

Checklist of Mesozoic Curculionoidea (Coleoptera) with description of new taxa

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129 species of the Curculionid-beetles are known from the Mesozoic (Obrieniidae – 7, Nemonychidae – 74, Ithyceridae – 29, Belidae – 4, Anthribidae – 2, Rhynchitidae – 3, Brentidae – 2, Curculionidae – 7, Scolytidae – 1). New genera *Cretoxenoides* Legalov, gen.n. (type species: *Cretoxenoides erdeniensis* Legalov, sp.n.), *Buryatnemonyx* Legalov, gen.n. (type species: *Buryatnemonyx gratshevi* Legalov, sp.n.), *Selengarhynchoides* Legalov, gen.n. (type species: *Selengarhynchoides sharyngolensis* Legalov, sp.n.), *Creterhirhinus* Legalov, gen.n. (type species: *Creterhirhinus kzyldzharensis* Legalov, sp.n.), *Archaralites* Legalov, gen.n. (type species: *Archaralites zherichini* Legalov, sp.n.), and new species *Oxycorynoides gurbanensis* Legalov, sp.n. (Mongolia, Lower Cretaceous), *Cretoxenoides erdeniensis* Legalov, sp.n. (Mongolia, Lower Cretaceous), *Buryatnemonyx gratshevi* Legalov, sp.n. (Buryatiya, Lower Cretaceous), *Selengarhynchoides sharyngolensis* Legalov, sp.n. (Mongolia, Lower Cretaceous), *Gobicar ulugeiensis* Legalov, sp.n. (Mongolia, Upper Jurassic - Lower Cretaceous), *Creterhirhinus kzyldzharensis* Legalov, sp.n. (Kazakhstan, Upper Cretaceous), *Archaralites zherichini* Legalov, sp.n. (Arhara, Upper Cretaceous - Palaeocene).

Key words: Coleoptera, Curculionoidea, Jurassic, Cretaceous, checklist, new taxa.

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INTRODUCTION

The Curculionid-beetles have great importance in ecosystems. Transition of these beetles from development of generative organs to vegetative parts was a basis for differentiation of this group in the Mesozoic era. The basic groups of Curculionoidea were formed in Mesozoic era at first on proangiosperms and then on angiosperms. A study of Mesozoic Curculionid-

beetles is necessary for the decision of problems of evolution and a phylogeny of recent groups.

129 Curculionid-species (Obrieniidae – 7, Nemonychidae – 74, Ithyceridae – 29, Belidae – 4, Anthribidae – 2, Rhynchitidae – 3, Brentidae – 2, Curculionidae – 7, Scolytidae – 1) are known from the Mesozoic (6 species from the Triassic, 52 species from the Jurassic (51 from the Middle - Upper and 1 from Upper), 11 species from Upper Jurassic or Lower Cretaceous and 60 species from the Cretaceous (54 from Lower and 6 from

Upper)) (Arnoldi, 1977; Gratshev, 1998; Gratshev, Zherichin, 1995, 1996, 1997, 1999, 2000a, 2000b, 2003; Gratshev, Legalov, 2009, 2010; Kirejtshuk, Azar, Beaver, Mandelshtam, Nel, 2009; Kuschel, 1959, 1983; Kuschel, Poinar, 1993; Kuschel, Oberprieler, Rayner, 1994; Legalov, 2003, 2007, 2009a, 2009b, 2009c, 2009d; Liu, Ren, 2006, 2007; Liu, Ren, Shih, 2006; Liu, Ren, Tan, 2006; Martynov, 1926; Poinar, 2006, 2008, 2009; Poinar, Brown, 2009; Ponomarenko, Zherikhin, Kirejtshuk, 2004; Ren, 1995; Rheinheimer, 2004; Soriano, Gratshev, Delclòs, 2006; Soriano, 2009; Whalley, Jarzembowski, 1985; Zherichin, 1977, 1986, 1993; Zherichin, Gratshev, 1993, 1997, 2003, 2004).

MATERIAL AND METHODS

The list of locations: Russia: Arhara - Amur Prov., Arharinsk District, bottom of an open-cast mine of the Arhara hill, Arhara station, Upper Cretaceous - Palaeocene, Maastrichtian - Danian; Baissa - Buryatiya (Buryat Republic), Bauntovo District (in papers, appears as Eravnoe District or Sosnovoozersk District), left bank of the Vitim River downstream of the Baissa River, Lower Cretaceous, Neocomian, Zaza Formation; Khasurtyi - Buryatiya (Buryat Republic), Zakamensk District, 10 km SSE Tsakir, Khasurtyi River, Lower Cretaceous, Neocomian; Khetana - Khabarovskii krai, Okhotsk District, upstream of mouth of Snezhny Creek, left bank of Khetana River (tributary of Ul'ya River), Lower Cretaceous, Middle Albian, Uchulikanskaya and Emanrinskaya Formations; Mongolia: Bontsagaan - Bayan-Khongor aymag, 8 km S Bontsagan-Nur Lake, foothill of Dund-Ula Range, Lower Cretaceous, ?Lower Aptian, Bontsagan series, Ulan-Argalant and Khurilt beds; Gurban-Ereny-Nuruu - Western Mongolia, Gobi-Altay aymag, SW of Ikhes-Nuur Lake and Darbi-Somon settlement, Lower Cretaceous, Lower Neocomian, Gurban-Eren Formation, Zereg Formation; Hutel-Hara - South-eastern Mongolia, Dorno-Gobi aymag, 70 km SE of Sain-Shand town, Khutel-Khara Mountain, Lower Cretaceous, Neocomian, Tsagaan-Tsav Formation; Khutuliyin-Khira - Umnu-Gobi aymag, 25 km S Mandal-Obo-Somon

settlement, Mushugay, Upper Jurassic - Lower Cretaceous, Ulugei Formation; Shar-Tolgoy - South Mongolia, Dorno-Gobi aymag, SE Ikh-Bogdo-Mount, 33 km N Bajan-Leg-Somon, Bayan-Khongor aymag, Mongolia, Lower Cretaceous, ?Lower Aptian, Bontsagan series, Shar-Tologoy Beds; Shar-Teg - South-western Mongolia, Gobi-Altay aymag, southeast of Adgh-Bogdo, southern Shar-Teg-Mountains, Upper Jurassic, Tithonian, Shar-Teg Sequence; Sharyn-Gol - North Mongolia, Selenga aymag, 45 km SE Darkhan town, Sharyn-Gol coal quarry, Lower Cretaceous, Middle Neocomian, Sharyn-Gol Formation; Erdeni-Uul - Ubur-Khangay aymag, 80 km E Hovd-Somon settlement, S slopes Erdeni-Ula mount, Lower Cretaceous, Middle Neocomian, Huhtyk Formation; Kazakhstan: Kenderlyk - East Kazakhstan Region, Zaysan District, left bank of Akkolka Creek in Kenderlyk River Basin, Upper Triassic, Norian - Rhaetian, Tologoy Formation; Karatau - South Kazakhstan, Chimkent Oblast, Algabass District, Kara-Tau Range, outcrops near villages of Kitaevka and Uspenovka, right bank of Kashkar-Ata River valley, Kara-Bas-Tau, Tchokhay, Mikhailovka, Galkino; Middle - Upper Jurassic, ?Oxfordian, Karabastau Formation; Kzyl-Dzhar - South Kazakhstan, Kzyl-Ordinskaya Region, Chiili District, NE spurs of Kara-Tau mountain range, Upper Cretaceous, Turonian; Kyrgyzstan: Madygen - Ost Region, Lyalyak District, south-western area of Madygen Triassic field; Middle - Upper Triassic, Ladian - Carnian, Madygen Formation; UK: Purbeck - South UK, Dorset, Isle of Portland, Suckthumb Quarry; Lower Cretaceous, Lower Berriasian, Purbeck Limestone Group, Lower Purbeck beds; Spain: Montsec - Lleida Province, Quarry near Rubies, Sta. Maria de Meia, Sierra del Montsec; Lower Cretaceous, Berriasian - Barremian, Calcaires lithographiques a Plantes et Vertebres de la Pedrera de Rubies Formation; Las Hoyas - Cuenca Province, 30 km E of Cuenca city; Lower Cretaceous, Hauterivian - Barremian; La Huerguina Formation; France: French amber - SW France Archingeay-Les Nouillers, Charente-Maritime, Lower Cretaceous, Albian; Lebanon: Lebanon amber - North Lebanon, South of Jezzín village, 30 km East of Saida Mt.; Lower Cretaceous, Middle Neocomian

-Lower Aptian, Chouf Sandstone Formation; Brazil: Santana - Northeast Brazil, southern margin of Chapada do Araripe; Lower Cretaceous, Aptian-Albian; Crato Formation; Chile: Magallanes - Gerro Guido, Magallanes, Upper Cretaceous, Maastrichtian; USA: New Jersey amber - Central New Jersey; Upper Cretaceous, Turonian, South Amboy Fire Clay, Raritan Formation; Botswana: Orapa - Central Botswana, Orapa diamond mine, Orapa, Upper Cretaceous, Cenomanian; China: Xiazhuang - West Beijing, Jingxi Basin; Lower Cretaceous, Aptian-Albian, Xiazhuang Formation; Yixian - Western Liaoning province, Lingyuan Country, 25 km SE of Beipiao city, Chaoyang, Daxinfangzi and Chaomidian villages; Upper Jurassic - Lower Cretaceous, Yixian Formation; Myanmar: Myanmar amber - Northern Myanmar (Burma), amber from Irravadi river basin; Upper Cretaceous, Cenomanian or Lower Cretaceous, Albian.

Figs. 4-6 have been made by V.G. Gratshev.

RESULTS

Family Obrieniidae Zherikhin & Gratshev, 1993

Obrieniidae Zherikhin & Gratshev, 1993: 51
Type genus: *Obrienia* Zherikhin & Gratshev, 1993

Subfamily Obrieniinae Zherikhin & Gratshev, 1993

Obrieniinae Zherikhin & Gratshev, 1993: 51
Type genus: *Obrienia* Zherikhin & Gratshev, 1993

Genus *Obrienia* Zherikhin & Gratshev, 1993

Obrienia Zherikhin & Gratshev, 1993: 51
Type species: *Obrienia kuscheli* Zherikhin & Gratshev, 1993

Obrienia illaetabilis Zherikhin & Gratshev, 1993

Obrienia illaetabilis Zherikhin & Gratshev, 1993: 56

Obrienia illaetabilis: Legalov, 2009c: 285

Distribution. Madygen.

Obrienia ingurgata Zherikhin & Gratshev, 1993

Obrienia ingurgata Zherikhin & Gratshev, 1993: 55

Obrienia ingurgata: Legalov, 2009c: 285

Distribution. Madygen.

Obrienia kuscheli Zherikhin & Gratshev, 1993

Obrienia kuscheli Zherikhin & Gratshev, 1993: 53

Obrienia kuscheli: Ponomarenko, 2002: 171

Obrienia kuscheli: Legalov, 2009: 285

Distribution. Madygen.

Genus *Guillermia* Zherikhin & Gratshev, 1993

Guillermia Zherikhin & Gratshev, 1993: 52

Type species: *Guillermia lecticula* Zherikhin & Gratshev, 1993

Guillermia lecticula Zherikhin & Gratshev, 1993

Guillermia lecticula Zherikhin & Gratshev, 1993: 57

Guillermia lecticula: Legalov, 2009c: 285

Distribution. Madygen.

Subfamily Kararhynchinae Zherikhin & Gratshev, 1993

Kararhynchinae Zherikhin & Gratshev, 1993: 52
Type genus: *Kararhynchus* Zherikhin & Gratshev, 1993

Tribe Kenderlykanini Legalov, 2009

Kenderlykanini Legalov, 2009c: 285

Type genus: *Kenderlyka* Zherikhin & Gratshev, 1993

Genus *Madygenorhynchus* Zherikhin & Gratshev, 1993

Madygenorhynchus Zherikhin & Gratshev, 1993: 52

Type species: *Madygenorhynchus multifidus* Zherikhin & Gratshev, 1993

Madygenorhynchus multifidus Zherikhin & Gratshev, 1993

Madygenorhynchus multifidus Zherikhin & Gratshev, 1993: 59

Madygenorrhynchus multifidus: Legalov, 2009c: 285

Distribution. Madygen.

Genus *Kenderlyka* Zherikhin & Gratshev, 1993

Kenderlyka Zherikhin & Gratshev, 1993: 52

Type species: *Kenderlyka consobrina* Zherikhin & Gratshev, 1993

***Kenderlyka consobrina* Zherikhin & Gratshev, 1993**

Kenderlyka consobrina Zherikhin & Gratshev, 1993: 60

Kenderlyka consobrina: Legalov, 2009c: 285

Distribution. Kenderlyk.

Tribe *Kararhynchini* Zherikhin & Gratshev, 1993

Kararhynchinae Zherikhin & Gratshev, 1993: 52

Type genus: *Kararhynchus* Zherikhin & Gratshev, 1993

Genus *Kararhynchus* Zherikhin & Gratshev, 1993

Kararhynchus Zherikhin & Gratshev, 1993: 52

Type species: *Kararhynchus occiduus* Zherikhin & Gratshev, 1993

***Kararhynchus occiduus* Zherikhin & Gratshev, 1993**

Kararhynchus occiduus Zherikhin & Gratshev, 1993: 62

Kararhynchus occiduus: Legalov, 2009c: 285

Distribution. Karatau.

Family *Nemonychidae* Bedel, 1820

Nemonychidae Bedel, 1820: 3

Type genus: *Nemonyx* Redtenbacher, 1845

Subfamily *Eobelinae* L. Arnoldi, 1977

Eobelidae L. Arnoldi, 1977: 144

Type genus: *Eobelus* L. Arnoldi, 1977

Tribe *Eobelini* L. Arnoldi, 1977

Eobelidae L. Arnoldi, 1977: 144

Type genus: *Eobelus* L. Arnoldi, 1977

Genus *Archaeorrhynchoides* Legalov, 2009

Archaeorrhynchoides Legalov, 2009c: 287

Type species: *Archaeorrhynchus paradoxopus* L. Arnoldi, 1977

***Archaeorrhynchoides latitarsis* (L. Arnoldi, 1977)**

Archaeorrhynchus latitarsis L. Arnoldi, 1977:

150

Archaeorrhynchus latitarsis: Soriano,

Gratshev, Delclòs, 2006: 564

Archaeorrhynchus latitarsis: Soriano, 2009: 104

Archaeorrhynchus latitarsis: Legalov, 2009b: 203

Archaeorrhynchoides latitarsis: Legalov, 2009c: 285

Distribution. Karatau.

***Archaeorrhynchoides paradoxopus* (L. Arnoldi, 1977)**

Archaeorrhynchus paradoxopus L. Arnoldi, 1977: 149

Archaeorrhynchus paradoxopus: Kuschel, 1983: 501

Archaeorrhynchus paradoxopus: Soriano, Gratshev, Delclòs, 2006: 564

Archaeorrhynchus paradoxopus: Soriano, 2009: 104

Archaeorrhynchus paradoxopus: Legalov, 2009b: 203

Archaeorrhynchoides paradoxopus: Legalov, 2009c: 285

Distribution. Karatau.

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

Archaeorrhynchus acutirostris: Soriano,

Gratshev, Delclòs, 2006: 564

Archaeorrhynchus acutirostris: Soriano, 2009: 104

Archaeorrhynchus acutirostris: Legalov, 2009b: 203

Distribution. Karatau.

***Archaeorrhynchus tenuicornis* Martynov, 1926**

Archaeorrhynchus tenuicornis Martynov, 1926: 25

Archaeorrhynchus tenuicornis: L. Arnoldi, 1977: 148

Archaeorrhynchus tenuicornis: Kuschel, 1983: 500

Archaeorrhynchus tenuicornis: Soriano, Gratshev, Delclòs, 2006: 564

Archaeorrhynchus tenuicornis: Soriano, 2009: 104

Archaeorrhynchus tenuicornis: Legalov, 2009b: 203

Distribution. Karatau.

Genus *Eobelus* L. Arnoldi, 1977

Eobelus L. Arnoldi, 1977: 147

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

***Eobelus longipes* L. Arnoldi, 1977**

Eobelus longipes L. Arnoldi, 1977: 147

Eobelus longipes: Soriano, Gratshev, Delclòs, 2006: 564

Eobelus longipes: Soriano, 2009: 104

Eobelus longipes: Legalov, 2009b: 203

Distribution. Karatau.

Tribe Probellini Legalov, 2009

Probellini Legalov, 2009c: 287

Type genus: *Probelus* L. Arnoldi, 1977

Genus *Probelus* L. Arnoldi, 1977

Probelus L. Arnoldi, 1977: 151

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

Probelopsis L. Arnoldi, 1977: 153; type species:

Probelopsis acutiapex L. Arnoldi, 1977

Subgenus *Probelus* s. str.

***Probelus (Probelus) acutiapex* (L. Arnoldi, 1977)**

Probelopsis acutiapex L. Arnoldi, 1977: 154

Probelopsis acutiapex: Soriano, Gratshev, Delclòs, 2006: 564

Probelopsis acutiapex: Soriano, 2009: 104

Probelopsis acutiapex: Legalov, 2009b: 203

Probelus acutiapex: Legalov, 2009c: 287

Distribution. Karatau.

***Probelus (Probelus) curvispinus* L. Arnoldi, 1977**

Probelus curvispinus L. Arnoldi, 1977: 151

Probelus curvispinus: Soriano, Gratshev, Delclòs, 2006: 564

Probelus curvispinus: Soriano, 2009: 104

Probelus curvispinus: Legalov, 2009b: 203

Probelus curvispinus: Legalov, 2009c: 287

Distribution. Karatau.

***Probelus (Probelus) longitarsus* L. Arnoldi, 1977**

Probelus longitarsus L. Arnoldi, 1977: 152

Probelus longitarsus: Soriano, Gratshev, Delclòs, 2006: 564

Probelus longitarsus: Soriano, 2009: 104

Probelus longitarsus: Legalov, 2009b: 203

Probelus longitarsus: Legalov, 2009c: 287

Distribution. Karatau.

Subgenus *Probeloides* Legalov, 2009

Probeloides Legalov, 2009c: 287

Type species: *Probelus tibialis* L. Arnoldi, 1977

***Probelus (Probeloides) tibialis* L. Arnoldi, 1977**

Probelus tibialis L. Arnoldi, 1977: 152

Probelus tibialis: Soriano, Gratshev, Delclòs, 2006: 564

Probelus tibialis: Soriano, 2009: 104

Probelus tibialis: Legalov, 2009b: 203

Probelus tibialis: Legalov, 2009c: 287

Distribution. Karatau.

Genus *Arnoldibelus* Legalov, 2009

Arnoldibelus Legalov, 2009c: 287

Type species: *Belonotarix karatavicus* L. Arnoldi, 1977

***Arnoldibelus karatavicus* (L. Arnoldi, 1977)**

Belonotaris karatavicus L. Arnoldi, 1977: 156
Belonotaris karatavicus: Soriano, Gratshev, Delclòs, 2006: 564
Belonotaris karatavicus: Soriano, 2009: 104
Belonotaris karatavicus: Legalov, 2009b: 203
Arnoldibelus karatavicus: Legalov, 2009c: 287

Distribution. Karatau.

Tribe Oxycorynoidini L. Arnoldi, 1977

Oxycorynoidinae L. Arnoldi, 1977: 159
 Type genus: *Oxycorynoides* L. Arnoldi, 1977

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: 16
Ampliceps dentitibia: Soriano, Gratshev, Delclòs, 2006: 564
Ampliceps dentitibia: Legalov, 2009b: 203

Distribution. Karatau.

***Ampliceps furcitibia* L. Arnoldi, 1977**

Ampliceps furcitibia L. Arnoldi, 1977: 167
Ampliceps furcitibia: Soriano, Gratshev, Delclòs, 2006: 564
Ampliceps furcitibia: Legalov, 2009b: 204

Distribution. Karatau.

Genus *Belonotaris* L. Arnoldi, 1977

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

***Belonotaris punctatissimus* L. Arnoldi, 1977**

Belonotaris punctatissimus L. Arnoldi, 1977: 155
Belonotaris punctatissimus: Soriano, Gratshev, Delclòs, 2006: 564
Belonotaris punctatissimus: Soriano, 2009: 104
Belonotaris punctatissimus: Legalov, 2009b: 203
Belonotaris punctatissimus: Legalov, 2009c: 287

Distribution. Karatau.

Genus *Belonotaroides* Legalov, 2009

Belonotaroides Legalov, 2009c: 287
 Type species: *Belonotaris lineatipunctatus* L. Arnoldi, 1977

***Belonotaroides lineatipunctatus* (L. Arnoldi, 1977)**

Belonotaris lineatipunctatus L. Arnoldi, 1977: 155
Belonotaris lineatipunctatus: Soriano, Gratshev, Delclòs, 2006: 564
Belonotaris lineatipunctatus: Soriano, 2009: 104
Belonotaris lineatipunctatus: Legalov, 2009b: 204
Belonotaroides lineatipunctatus: Legalov, 2009c: 287

Distribution. 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
Cratomacer ephippiger: Soriano, Gratshev, Delclòs, 2006: 563
Cratomacer ephippiger: Legalov, 2009b: 204

Distribution. Santana.

***Cratomacer immersus* Zherichin & Gratshev, 2004**

Cratomacer immersus Zherichin & Gratshev, 2004: 60
Cratomacer immersus: Soriano, Gratshev, Delclòs, 2006: 563
Cratomacer immersus: Legalov, 2009b: 204

Distribution. Santana.

Genus *Khetanamonyx* Legalov, 2009

Khetanamonyx Legalov, 2009c: 288
 Type species: *Oxycorynoides crassirostris* Zherikhin, 1993

***Khetanamonyx crassirostris* (Zherikhin, 1993)**

Oxycorynoides crassirostris Zherikhin, 1993: 21

Oxycorynoides crassirostris: Soriano, Gratshev, Delclòs, 2006: 563

Khetanamonyx crassirostris: Legalov, 2009c: 288

Distribution. Khetana.

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

Microprobelus liuae: Legalov, 2009b: 204

Distribution. Yixian.

Genus *Oxycorynoides* L. Arnoldi, 1977

Oxycorynoides L. Arnoldi, 1977: 159

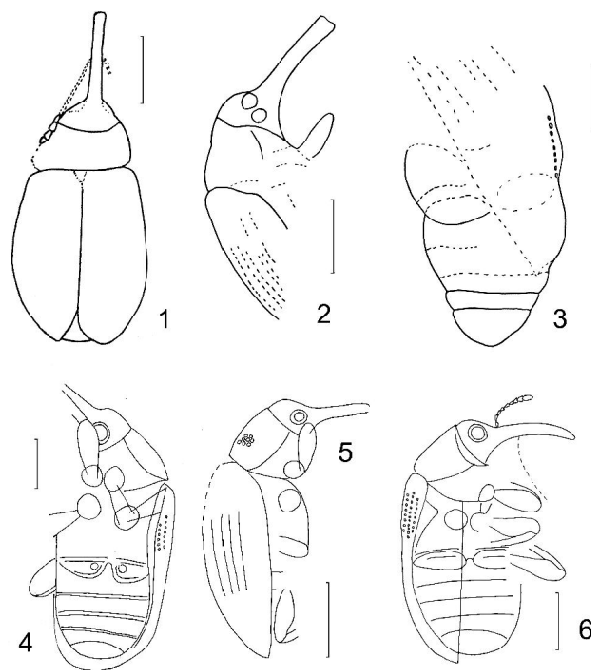
Type species: *Oxycorynoides similis* L. Arnoldi, 1977

Subgenus *Oxycorynoides* s. str.

***Oxycorynoides (Oxycorynoides) gurbanensis* Legalov, sp.n. (Fig. 2)**

Material. Holotype – ex. (PIN¹ 3149/980), Western Mongolia, Gobi-Altay aimag, SW of Ikhes-Nuur Lake and Darbi-Somon settlement, Lower Cretaceous, Lower Neocomian, Gurvan-Eren Formation, Zereg Formation.

Description. Body light brown. Rostrum long, 5.48 times longer than the width, 1.47 times longer than pronotum, equal width on profemora. Frons convex, narrow. Eyes not large, almost round. Temples shorter than eye. Pronotum weakly elongated, with lateral carina. Disk, probably, largely punctate. Elytra weakly convex, with distinct striae. Intervals wide, possibly, weakly convex. Procoxa located near the prothorax basis. Precoxal part of the prothorax elongated. Metathorax wide. Femora weakly widened. Length of the extant part of body: 2.5 mm.



Figs. 1-6. Curculionoidea gen. spp.: 1 – *Buryatnemonyx gratshevi* (PIN¹ 5026/41), 2 – *Oxycorynoides gurbanensis* (PIN¹ 3149/980), 3 – *Archaralites zherichini* (PIN¹ 2055/34), 4 – *Selengarhynchoides sharyngolensis* (PIN¹ 4306/2), 5 – *Cretoxenoides erdenienseis* (PIN¹ 4300/1), 6 – *Gobicar ulugeienseis* (PIN¹ 4288/362). Scale 1.0 mm.

Diagnosis. This new species differs from *Oxycorynoides mongolicus* Zherikhin, 1986 by the stronger widened basis of the rostrum, smaller eyes and larger punctate pronotum.

Etymology. The name is derived from the location “Gurvan” – “gurvanensis”.

Distribution. Gurvan-Ereny-Nuruu.

***Oxycorynoides (Oxycorynoides) mongolicus* Zherikhin, 1986**

? *Oxycorynoides mongolicus* Zherikhin, 1986: 107

Oxycorynoides mongolicus: Soriano, Gratshev, Delclòs, 2006: 564

Oxycorynoides mongolicus: Legalov, 2009b: 204

Distribution. Gurvan-Ereny-Nuruu.

***Oxycorynoides (Oxycorynoides) ponomarenkoi* L. Arnoldi, 1977**

Oxycorynoides ponomarenkoi L. Arnoldi, 1977: 161

Oxycorynoides ponomarenkoi: Soriano, Gratshev, Delclòs, 2006: 564

Oxycorynoides ponomarenkoi: Legalov, 2009b: 204

Distribution. Karatau.

***Oxycorynoides (Oxycorynoides) rohdendorfi* L. Arnoldi, 1977**

Oxycorynoides rohdendorfi L. Arnoldi, 1977: 161

Oxycorynoides rohdendorfi: Soriano, Gratshev, Delclòs, 2006: 564

Oxycorynoides rohdendorfi: Legalov, 2009b: 204

Distribution. Karatau.

***Oxycorynoides (Oxycorynoides) similis* L. Arnoldi, 1977**

Oxycorynoides similis L. Arnoldi, 1977: 159

Oxycorynoides similis: Soriano, Gratshev, Delclòs, 2006: 564

Oxycorynoides similis: Legalov, 2009b: 204

Distribution. Karatau.

***Oxycorynoides (Oxycorynoides) zherichini* L. Arnoldi, 1977**

Oxycorynoides zherichini L. Arnoldi, 1977: 162

Oxycorynoides zherichini Soriano, Gratshev, Delclòs, 2006: 564

Oxycorynoides zherichini: Legalov, 2009b: 204

Distribution. Karatau.

Subgenus *Pseudoxycorynoides* Legalov, 2009

Pseudoxycorynoides Legalov, 2009c: 287

Type species: *Oxycorynoides brevipes* L. Arnoldi, 1977

***Oxycorynoides (Pseudoxycorynoides) brevipes* L. Arnoldi, 1977**

Oxycorynoides brevipes L. Arnoldi, 1977: 160

Oxycorynoides brevipes: Soriano, Gratshev, Delclòs, 2006: 564

Oxycorynoides brevipes: Legalov, 2009b: 204

Oxycorynoides brevipes: Legalov, 2009c: 287

Distribution. Karatau.

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

Scelocamptus curvipes: Soriano, Gratshev, Delclòs, 2006: 564

Scelocamptus curvipes: Legalov, 2009b: 204

Distribution. Karatau.

***Scelocamptus tenuirostris* L. Arnoldi, 1977**

Scelocamptus tenuirostris L. Arnoldi, 1977: 164

Scelocamptus tenuirostris: Soriano, Gratshev, Delclòs, 2006: 564

Scelocamptus tenuirostris: Legalov, 2009b: 204

Distribution. Karatau.

Genus *Khetanamonyx* Legalov, 2009

Khetanamonyx Legalov, 2009c: 288

Type species: *Belonotaris retardatus* Zherikhin, 1993

***Khetanamonyx retardatus* (Zherikhin, 1993)**

Belonotaris (?) retardatus Zherikhin, 1993: 21

Belonotaris retardatus: Soriano, Gratshev, Delclòs, 2006: 563

Belonotaris retardatus: Soriano, 2009: 104
Belonotaris retardatus: Legalov, 2009b: 204
Khetanamony retardatus: Legalov, 2009c: 288
Distribution. Khetana.

Tribe Karataucarini Legalov, 2009

Karataucarini Legalov, 2009c: 288
Type genus: *Karataucar* Legalov, 2009

Genus *Karataucar* Legalov, 2009

Karataucar Legalov, 2009c: 288
Type species: *Oxycorynoides progressivus* L. Arnoldi, 1977

***Karataucar progressivus* (L. Arnoldi, 1977)**

Oxycorynoides progressivus L. Arnoldi, 1977: 163

Oxycorynoides progressivus: Soriano, Gratshev, Delclòs, 2006: 564

Karataucar progressivus: Legalov, 2009c: 288

Distribution. Karatau.

Genus *Gratshevicar* Legalov, 2009

Gratshevicar Legalov, 2009c: 288
Type species: *Scelocamptus dubius* L. Arnoldi, 1977

***Gratshevicar dubius* (L. Arnoldi, 1977)**

Scelocamptus dubius L. Arnoldi, 1977: 165

Scelocamptus dubius: Soriano, Gratshev, Delclòs, 2006: 564

Gratshevicar dubius: Legalov, 2009c: 288

Distribution. Karatau.

Tribe Nanophydini L. Arnoldi, 1977

Nanophydinae L. Arnoldi, 1977: 173
Type genus: *Nanophydes* L. Arnoldi, 1977

Genus *Nanophydes* L. Arnoldi, 1977

Nanophydes L. Arnoldi, 1977: 173
Type species: *Nanophydes ovatus* L. Arnoldi, 1977

***Nanophydes ovatus* L. Arnoldi, 1977**

Nanophydes ovatus L. Arnoldi, 1977: 173

Nanophydes ovatus: Soriano, Gratshev, Delclòs, 2006: 564

Nanophydes ovatus: Soriano, 2009: 104

Nanophydes ovatus: Legalov, 2009b: 204

Distribution. Karatau.

Subfamily Cretonemonychinae Gratshev & Legalov, 2009

Cretonemonychinae Gratshev & Legalov, 2009: 412

Type genus: *Cretonemonyx* Gratshev & Legalov, 2009

Genus *Pseudonemonyx* Gratshev & Legalov, 2009

Pseudonemonyx Gratshev & Legalov, 2009: 412

Type species: *Cretonemonyx profligatus* Gratshev & Legalov, 2009

***Pseudonemonyx stupendus* Gratshev & Legalov, 2009**

Pseudonemonyx stupendus Gratshev & Legalov, 2009: 412

Distribution. Baissa.

Genus *Cretonemonyx* Gratshev & Legalov, 2009

Cretonemonyx Gratshev & Legalov, 2009: 412

Type species: *Cretonemonyx profligatus* Gratshev & Legalov, 2009

***Cretonemonyx longirostris* Gratshev & Legalov, 2009**

Cretonemonyx longirostris Gratshev & Legalov, 2009: 413

Distribution. Baissa.

***Cretonemonyx profligatus* Gratshev & Legalov, 2009**

Cretonemonyx profligatus Gratshev & Legalov, 2009: 413:

Distribution. Baissa.

Subfamily Paleocartinae Legalov, 2003

Paleocartini Legalov, 2003: 78

Type genus: *Paleocartus* Legalov, 2003

Tribe Paleocartini Legalov, 2003

Paleocartini Legalov, 2003: 78

Type genus: *Paleocartus* Legalov, 2003

Genus *Paleocartus* Legalov, 2003

Paleocartus Legalov, 2003: 78

Type species: *Brenthorrhinoides pubescens* Gratshev & Zherikhin, 1996

***Paleocartus pubescens* (Gratshev & Zherikhin, 1996)**

Brenthorrhinoides pubescens Gratshev & Zherikhin, 1996: 115

Paleocartus pubescens: Legalov, 2003: 78

Brenthorrhinoides pubescens: Liu, Ren, Tan, 2006: 607

Brenthorrhinoides pubescens: Soriano, Gratshev, Delclòs, 2006: 564

Paleocartus pubescens: Legalov, 2007: 29

Paleocartus pubescens: Legalov, 2009a: 121

Paleocartus pubescens: Legalov, 2009c: 288

Distribution. Karatau.

Tribe Nebrenthorrhinini Legalov, 2007

Nebrenthorrhinina Legalov, 2007: 34

Type genus: *Nebrenthorrhinus* Legalov, 2003

Genus *Nebrenthorrhinus* Legalov, 2003

Nebrenthorrhinus Legalov, 2003f: 89

Type species: *Nebrenthorrhinus lacasai* Gratshev & Zherikhin, 2000

***Nebrenthorrhinus lacasai* (Gratshev & Zherikhin, 2000)**

Brenthorrhinoides lacasai Gratshev & Zherikhin, 2000b: 41

Nebrenthorrhinus lacasai: Legalov, 2003: 89

Brenthorrhinoides lacasai: Liu, Ren, Tan, 2006: 607

Brenthorrhinoides lacasai: Soriano, Gratshev, Delclòs, 2006: 564

Nebrenthorrhinus lacasai: Legalov, 2007: 34

Nebrenthorrhinus lacasai: Legalov, 2009a: 122

Nebrenthorrhinus lacasai: Legalov, 2009c: 288

Distribution. Montsec.

Subfamily Metrioxenoidinae Legalov, 2009

Metrioxenoidinae Legalov, 2009c: 288

Type genus: *Metrioxenoides* Gratshev, Zherikhin, Jarzembowski, 1998

Genus *Metrioxenoides* Gratshev, Zherikhin, Jarzembowski, 1998

Metrioxenoides Gratshev, Zherikhin,

Jarzembowski, 1998: 323

Type species: *Metrioxenoides pusillus*

Gratshev, Zherikhin, Jarzembowski, 1998

***Metrioxenoides pusillus* Gratshev, Zherikhin, Jarzembowski, 1998**

Metrioxenoides pusillus Gratshev, Zherikhin,

Jarzembowski, 1998: 324

Metrioxenoides pusillus: Soriano, Gratshev,

Delclòs, 2006: 564

Metrioxenoides pusillus: Legalov, 2009b: 206

Metrioxenoides pusillus: Legalov, 2009c: 289

Distribution. Purbeck.

Genus *Megametrioxenoides* Gratshev & Legalov, 2009

Megametrioxenoides Gratshev & Legalov,

2009: 413

Type species: *Megametrioxenoides longus*

Gratshev & Legalov, 2009

***Megametrioxenoides longus* Gratshev & Legalov, 2009**

Megametrioxenoides longus Gratshev & Legalov, 2009: 413

Distribution. Hutel-Hara.

Genus *Medmetrioxenoides* Gratshev & Legalov, 2009

Medmetrioxenoides Gratshev & Legalov, 2009:

414

Type species: *Medmetrioxenoides prodromus*

Gratshev & Legalov, 2009

***Medmetrioxenoides prodromus* Gratshev & Legalov, 2009**

Medmetrioxenoides prodromus Gratshev &

Legalov, 2009: 414

Distribution. Karatau.

Genus *Cretoxenoides* Legalov, gen.n. (Fig. 5)

Type species: *Cretoxenoides erdeniensis*

Legalov, sp.n.

Description. Body brown. Rostrum long, longer than pronotum, narrower than profemora. Eyes round. Temples short. Pronotum with lateral carina. Disk largely punctate. Elytra weakly convex, with distinct striae. Intervals wide, flat.

Exterior margin of elytra straight line. Procoxa located near the prothorax basis. Abdomen convex. 1st and 2nd ventrites of almost equal length, narrow. Femora weakly widened. Length of body: 3.4 mm.

Diagnosis. This new genus differs from *Medmetrioxenoides* Gratshev and Legalov, 2009 by the rostrum thinner than tibiae, stronger convex body and largely punctate pronotum.

Etymology. The name is formed from the words “Cretaceous” and “Metrioxenoides”.

***Cretoxenoides erdeniensis* Legalov, sp.n.** (Fig. 5)

Material. Holotype – ?female (PIN ¹ 4300/1), Mongolia, Ubur-Khangay ajmag, 80 km E Hovd-Somon settlement, S slopes Erdeni-Ula mount; Lower Cretaceous, Middle Neocomian, Huhtyk Formation.

Description. Body, judging from the chitin remains, dark brown. Rostrum long, 5.75 times longer than the width, little longer than pronotum, narrower than profemora. Frons flattened. Eyes not large, round. Temples shorter than eye. Pronotum weakly elongated, with lateral margin. Disk largely punctate. Elytra weakly convex, 3.36 times longer than pronotum, with distinct striae. Intervals wide, flat. Exterior margin of elytra straight line. Procoxa spherical, located near the prothorax basis. Precoxal part of the prothorax elongated. Metathorax wide. Abdomen convex. 1st and 2nd ventrites of almost equal length, narrow. Femora weakly widened. Length of body: 3.4 mm.

Etymology. The name is derived from the location “Erdeni” – “erdenensis”.

Distribution. Erdeni-Uul.

Genus *Libanorhinus* Kuschel & Poinar, 1993

Libanorhinus Kuschel & Poinar, 1993: 144

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

***Libanorhinus succinus* Kuschel & Poinar, 1993**

Libanorhinus succinus Kuschel & Poinar, 1993: 144

Libanorhinus succinus: Soriano, Gratshev, Delclòs, 2006: 563

Libanorhinus succinus: Legalov, 2009b: 207

Libanorhinus succinus: Legalov, 2009c: 289

Distribution. Lebanon amber.

Genus *Brasilnemonyx* Legalov, 2009

Brasilnemonyx Legalov, 2009c: 289

Type species: *Brasilnemonyx zherichini* Legalov, 2009

***Brasilnemonyx zherichini* Legalov, 2009**

Brasilnemonyx zherichini Legalov, 2009c: 289

Distribution. Santana.

Subfamily Selengarhynchinae Gratshev & Legalov, 2009

Selengarhynchinae Gratshev & Legalov, 2009: 414

Type genus: *Selengarhynchus* Gratshev & Legalov, 2009

Genus *Selengarhynchus* Gratshev & Legalov, 2009

Selengarhynchus Gratshev & Legalov, 2009: 415

Type species: *Selengarhynchus ovalis* Gratshev & Legalov, 2009

***Selengarhynchus ovalis* Gratshev & Legalov, 2009**

Selengarhynchus ovalis Gratshev & Legalov, 2009: 415

Distribution. Sharyn-Gol.

Genus *Selengarhynchoides* Legalov, gen.n.

(Fig. 4)

Type species: *Selengarhynchoides sharyngolensis* Legalov, sp.n.

Description. Body light brown. Rostrum, probably, long, narrow. Frons convex. Eyes large. Temples short. Pronotum weakly elongated, with lateral carina. Disk largely and densely punctate. Elytra with distinct striae. Intervals wide. Points in striae large. Exterior margin of elytra curved. Procoxa near prothorax basis. Precoxal part of the prothorax elongated. Metathorax wide. Abdomen flattened. 1st and 2nd ventrites of almost equal length. 5th ventrite elongated. Femora weakly widened. Length of body: 5.5 mm.

Diagnosis. This new genus differs from *Selengarhynchus* Gratshev et Legalov, 2009 by the larger body (5.5 mm), thicker rostrum and larger points in elytral striae.

Etymology. The name is formed by addition of the ending “-ides” to “Selengarhynchus”.

***Selengarhynchoides sharyngolensis* Legalov, sp.n.** (Fig. 4)

Material. Holotype – ?male (PIN¹ 4306/2), North Mongolia, Selenga aймаг, 45 km SE Darkhan town, Sharyn-Gol coal quarry, Lower Cretaceous, Middle Neocomian, Sharyn-Gol Formation. Paratype – ?female (PIN¹ 4306/3), idem.

Description. Body light brown. Rostrum, probably, long, narrower than profemora. Frons convex. Eyes large, round. Temples shorter than eye. Pronotum weakly elongated, 1.87 times longer than head, with lateral carina. Disk largely and densely punctate. Elytra 3.0 times longer than pronotum, with distinct striae. Intervals wide, flat. Points in striae large. Exterior margin of the elytra curved. Epipleura distinct. Procoxa spherical, located near prothorax basis. Precoxal part of the prothorax elongated. Metathorax wide. Abdomen flattened. 1st and 2nd ventrites of almost equal length, narrow. 3rd ventrite narrower than 2nd ventrite. 4th ventrite narrower than 3rd ventrite. 5th ventrite little wider than 1st ventrite. Femora weakly widened. Length of body: 5.5 mm.

Etymology. The name is derived from the location “Sharyn-Gol” – “sharyngolensis”.

Distribution. Sharyn-Gol.

Subfamily Eccoptarthrinae L. Arnoldi, 1977

Eccoptarthrini L. Arnoldi, 1977: 169

Type genus: *Eccoptarthrus* L. Arnoldi, 1977

Procurculionini L. Arnoldi, 1977: 157; type

genus: *Procurculio* L. Arnoldi, 1977

Eccoptothoracini L. Arnoldi, 1977: 158; type

genus: *Eccoptothorax* L. Arnoldi, 1977

Genus *Eccoptarthrus* L. Arnoldi, 1977

Eccoptarthrus L. Arnoldi, 1977: 169

Type species: *Eccoptarthrus crassipes* L. Arnoldi, 1977

Pseudobrenthorrhinus Gratshev & Zherikhin, 1996: 114; type species: *Pseudobrenthorrhinus crassicornis* Gratshev & Zherikhin, 1996

***Eccoptarthrus crassicornis* (Gratshev & Zherikhin, 1996)**

Pseudobrenthorrhinus crassicornis

Gratshev & Zherikhin, 1996: 114

Pseudobrenthorrhinus crassicornis:

Soriano, Gratshev, Delclòs, 2006: 564

Pseudobrenthorrhinus crassicornis:

Legalov, 2009b: 209

Eccoptarthrus crassicornis: Legalov,

2009c: 289

Distribution. Karatau.

***Eccoptarthrus crassipes* L. Arnoldi, 1977**

Eccoptarthrus crassipes L. Arnoldi, 1977: 169

Eccoptarthrus crassipes: Soriano, Gratshev, Delclòs, 2006: 564

Eccoptarthrus crassipes: Legalov, 2009a: 121

Eccoptarthrus crassipes: Legalov, 2009c: 289

Distribution. Karatau.

***Eccoptarthrus magnus* (Gratshev & Zherikhin, 1996)**

Pseudobrenthorrhinus magnus Gratshev & Zherikhin, 1996: 114

Pseudobrenthorrhinus magnus: Soriano, Gratshev, Delclòs, 2006: 564

Pseudobrenthorrhinus magnus: Legalov, 2009b: 209

Eccoptarthrus magnus: Legalov, 2009c: 289

Distribution. Karatau.

***Eccoptarthrus tenuicornis* (Gratshev & Zherikhin, 1996)**

Pseudobrenthorrhinus tenuicornis

Gratshev & Zherikhin, 1996: 114

Pseudobrenthorrhinus tenuicornis:

Soriano, Gratshev, Delclòs, 2006: 564

Pseudobrenthorrhinus tenuicornis:

Legalov, 2009b: 209

Eccoptarthrus tenuicornis: Legalov, 2009c: 289

Distribution. Karatau.

Genus *Procurculio* L. Arnoldi, 1977

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
Procurculio fortipes: Gratshev & Zherikhin, 1995: 92

Procurculio fortipes: Soriano, Gratshev, Delclòs, 2006: 564

Procurculio fortipes: Legalov, 2009b: 209

Distribution. Karatau.

***Procurculio latipennis* (L. Arnoldi, 1977)**

Eccoptothorax latipennis L. Arnoldi, 1977: 158

Procurculio latipennis: Gratshev & Zherikhin, 1995: 92

Procurculio latipennis: Soriano, Gratshev, Delclòs, 2006: 564

Procurculio latipennis: Legalov, 2009b: 209

Distribution. Karatau.

***Procurculio pallens* Gratshev & Zherikhin, 1995**

Procurculio pallens Gratshev & Zherikhin, 1995: 93

Procurculio pallens: Soriano, Gratshev, Delclòs, 2006: 564

Procurculio pallens: Legalov, 2009b: 209

Distribution. Karatau.

Subfamily Brentorrhiniinae L. Arnoldi, 1977

Brentorrhiniinae L. Arnoldi, 1977: 171

Type genus: *Brentorrhinus* L. Arnoldi, 1977

Tribe Brentorrhinoidini Legalov, 2003

Brentorrhinoidini Legalov, 2003f: 88

Type genus: *Brentorrhinoides* Gratshev & Zherikhin, 1996

Genus *Brentorrhinoides* Gratshev & Zherikhin, 1996

Brentorrhinoides Gratshev & Zherikhin, 1996: 119

Type species: *Brentorrhinoides mandibulatus* Gratshev & Zherikhin, 1996

Brentorrhinoides mandibulatus

Gratshev & Zherikhin, 1996

Brentorrhinoides mandibulatus Gratshev & Zherikhin, 1996: 115

Brentorrhinoides mandibulatus: Legalov, 2003: 88

Brentorrhinoides mandibulatus: Liu, Ren, Tan, 2006: 607

Brentorrhinoides mandibulatus: Soriano, Gratshev, Delclòs, 2006: 564

Brentorrhinoides mandibulatus: Legalov, 2007: 34

Brentorrhinoides mandibulatus: Legalov, 2009a: 121

Brentorrhinoides mandibulatus: Legalov, 2009c: 289

Distribution. Karatau.

***Brentorrhinoides robustus* Gratshev & Zherikhin, 1996**

Brentorrhinoides robustus Gratshev & Zherikhin, 1996: 115

Paleocartus robustus: Legalov, 2003: 78

Brentorrhinoides robustus: Liu, Ren, Tan, 2006: 607

Brentorrhinoides robustus: Soriano, Gratshev, Delclòs, 2006: 564

Paleocartus robustus: Legalov, 2007: 29

Paleocartus robustus: Legalov, 2009a: 121

Brentorrhinoides robustus: Legalov, 2009c: 289

Distribution. Karatau.

Tribe Brentorrhinini L. Arnoldi, 1977

Brentorrhinini L. Arnoldi, 1977: 171

Type genus: *Brentorrhinus* L. Arnoldi, 1977

Genus *Abrentorrhinus* Legalov, 2009

Abrentorrhinus Legalov, 2009c: 290

Type species: *Brentorrhinus brevirostris* Gratshev & Zherikhin, 1996

***Abrentorrhinus brevirostris* (Gratshev & Zherikhin, 1996)**

Brentorrhinus brevirostris Gratshev & Zherikhin, 1996: 115

Brentorrhinus brevirostris: Soriano, Gratshev, Delclòs, 2006: 564

Brentorrhinus brevirostris: Legalov, 2009b: 210

Abrenthorrhinus breviostris: Legalov, 2009c: 290

Distribution. Karatau.

Genus *Brenthorrhinus* L. Arnoldi, 1977
Brenthorrhinus L. Arnoldi, 1977: 172
 Type species: *Brenthorrhinus mirabilis* L. Arnoldi, 1977

***Brenthorrhinus mirabilis* L. Arnoldi, 1977**
Brenthorrhinus mirabilis L. Arnoldi, 1977: 172
Brenthorrhinus mirabilis: Gratshev & Zherikhin, 1996: 125-126
Brenthorrhinus mirabilis: Ponomarenko, 2002: 181
Brenthorrhinus mirabilis: Kuschel, 1983: 501
Brenthorrhinus mirabilis: Soriano, Gratshev, Delclòs, 2006: 564
Brenthorrhinus mirabilis: Legalov, 2009b: 210
Brenthorrhinus mirabilis: Legalov, 2009c: 290
Distribution. Karatau.

Genus *Chinabrenthorrhinus* Legalov, 2009
Chinabrenthorrhinus Legalov, 2009c: 290
 Type species: *Brenthorrhinus longidigitatus* Ren, 1995

***Chinabrenthorrhinus longidigitatus* (Ren, 1995)**
Brenthorrhinus longidigitatus Ren, 1995: 90
Brenthorrhinus longidigitatus: Soriano, Gratshev, Delclòs, 2006: 564
Brenthorrhinus longidigitatus: Legalov, 2009b: 210
Brenthorrhinus longidigitatus: Legalov, 2009c: 290
Distribution. Xiazhuang.

Genus *Gobibrenthorrhinus* Gratshev & Legalov, 2009
Gobibrenthorrhinus Gratshev & Legalov, 2009: 415
 Type species: *Gobibrenthorrhinus gigas* Gratshev & Legalov, 2009

***Gobibrenthorrhinus gigas* Gratshev & Legalov, 2009**
Gobibrenthorrhinus gigas Gratshev & Legalov, 2009: 416
Distribution. Khutuliy-Khira.

Subfamily *Distenorrhininae* L. Arnoldi, 1977
Distenorrhinini L. Arnoldi, 1977: 170
 Type genus: *Distenorrhinus* L. Arnoldi, 1

Genus *Buryatnemonyx* Legalov, gen.n. (Fig. 1)
 Type species: *Buryatnemonyx gratshevi* Legalov, sp.n.

Description. Body flattened. Rostrum long. Antennae attached before the rostrum middle, reaching the pronotum middle. Eyes not convex. Temples shorter than eye. Clava not compact. Pronotum strongly transversal, with the greatest width on the middle. Elytra wide. Femora weakly widened. Length of body: 4.1 mm.

Diagnosis. This new genus differs from *Distenorrhinus* L. Arnoldi, 1977 by antennae located before rostrum middle and narrow clava not distinct separated from funicle.

Etymology. The name is formed from the words “Buryatiya” and “Nemonyx”.

***Buryatnemonyx gratshevi* Legalov, sp.n.** (Fig. 1)
Material. Holotype – ex. (PIN ¹ 5026/41), Buryatiya (Buryat Republic), Zakamensk District, 10 km SSE Tsakir, Khasurtyi River.

Description. Body flattened dorsoventrally, black. Rostrum long, hardly narrowed to place of antennal attachment, further weakly widened to apex, 12.1 times longer than width, 2.43 times longer than pronotum. Antennae located before the rostrum middle. Head large, wider than length. Eyes large, not convex. Temples shorter than eye. Antennae long, reaching the pronotum middle. Funicle segments elongated. 7th segment of funicle similar to claval segments. Clava not compact, 1.75 times wider than funicle. 1st segment trapezoid. 2nd segment trapezoid, longer than 1st segment. 3rd segment tear-shaped. Pronotum transversal, 2.37 times wider than long. The greatest width on the middle. Elytra wide, 1.36 times longer than width, 4.86 times longer than pronotum. Elytra in humeri wider than

pronotum. Femora weakly widened. Length of body: 4.1 mm.

Etymology. This new species is named in honour of V.G. Gratshev.

Distribution. Khasurtyi.

Genus *Distenorrhinus* L. Arnoldi, 1977

Distenorrhinus L. Arnoldi, 1977: 170

Type species: *Distenorrhinus antennatus* L. Arnoldi, 1977

Subgenus *Distenorrhinus* s. str.

Paroxycorynoides L. Arnoldi, 1977: 168; type species: *Paroxycorynoides elegans* L. Arnoldi, 1977

Distenorrhinus (Distenorrhinus)

***angulatus* L. Arnoldi, 1977**

Distenorrhinus angulatus L. Arnoldi, 1977: 170

Distenorrhinus angulatus: Gratshev & Zherikhin, 1995: 85

Distenorrhinus angulatus: Soriano, Gratshev, Delclòs, 2006: 564

Distenorrhinus angulatus: Legalov, 2009b: 210

Distribution. Karatau.

Distenorrhinus (Distenorrhinus)

***antennatus* L. Arnoldi, 1977**

Distenorrhinus antennatus L. Arnoldi, 1977: 171

Distenorrhinus antennatus: Gratshev & Zherikhin, 1995: 86

Distenorrhinus antennatus: Soriano, Gratshev, Delclòs, 2006: 564

Distenorrhinus antennatus: Legalov, 2009b: 210

Distribution. Karatau.

Distenorrhinus (Distenorrhinus)

***arnoldii* Gratshev & Zherikhin, 1995**

Distenorrhinus arnoldii Gratshev & Zherikhin, 1995: 85

Distenorrhinus arnoldii: Soriano, Gratshev, Delclòs, 2006: 564

Distenorrhinus arnoldii: Legalov, 2009b: 210

Distribution. Karatau.

Distenorrhinus (Distenorrhinus) elegans

(L. Arnoldi, 1977)

Paroxycorynoides elegans L. Arnoldi, 1977: 168

Paroxycorynoides elegans: Soriano, Gratshev, Delclòs, 2006: 564

Distenorrhinus elegans: Legalov, 2009b: 210

Distribution. Karatau.

Distenorrhinus (Distenorrhinus)

***ocularis* Soriano, Gratshev, Delclòs, 2006**

Distenorrhinus ocularis Soriano, Gratshev, Delclòs, 2006: 562

Distribution. Montsec.

Distenorrhinus (Distenorrhinus)

***pallidirostris* Gratshev & Zherikhin, 1995**

Distenorrhinus pallidirostris Gratshev & Zherikhin, 1995: 85

Distenorrhinus pallidirostris: Soriano, Gratshev, Delclòs, 2006: 564

Distenorrhinus pallidirostris: Legalov, 2009b: 210

Distribution. Karatau.

Distenorrhinus (Distenorrhinus)

***rotundicollis* Gratshev & Zherikhin, 1995**

Distenorrhinus rotundicollis Gratshev & Zherikhin, 1995: 85

Distenorrhinus rotundicollis: Soriano, Gratshev, Delclòs, 2006: 564

Distenorrhinus rotundicollis: Legalov, 2009b: 210

Distribution. Karatau.

Subgenus *Parabrenthorrhinus* Gratshev &

Zherikhin, 1996

Parabrenthorrhinus Gratshev & Zherikhin, 1996: 85

Type species: *Distenorrhinus sinuatipes* Gratshev & Zherikhin, 1995

Distenorrhinus (Parabrenthorrhinus)

***sinuatipes* Gratshev & Zherikhin, 1995**

Distenorrhinus sinuatipes Gratshev & Zherikhin, 1995: 85

Parabrenthorrhinus sinuatipes: Soriano, Gratshev, Delclòs, 2006: 564

Distenorrhinus sinuatipes: Legalov, 2009b: 210

Distribution. Karatau.

***Distenorrhinus (Parabrenthorhinus) xavieri* (Zherichin & Gratshev, 2003)**

Distenorrhinus xavieri Zherichin & Gratshev, 2003: 70

Distenorrhinus xavieri: Soriano, Gratshev, Delclòs, 2006: 563

Distenorrhinus xavieri: Legalov, 2009b: 210

Distribution. Las Hoyas.

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

Distenorrhinus elongatus: Gratshev, Zherikhin, 2003: 133

Astenorrhinus elongatus: Soriano, Gratshev, Delclòs, 2006: 564

Distenorrhinus elongatus: Legalov, 2009b: 210

Distribution. Karatau.

***Distenorrhinus (Astenorrhinus) major* Gratshev & Zherikhin, 1995**

Distenorrhinus major Gratshev & Zherikhin, 1995: 85

Astenorrhinus major: Soriano, Gratshev, Delclòs, 2006: 564

Distenorrhinus major: Legalov, 2009b: 210

Distribution. Karatau.

Genus *Megabrenthorhinus* Gratshev & Zherikhin, 1996

Megabrenthorhinus Gratshev & Zherikhin, 1996:

Type species: *Megabrenthorhinus grandis* Gratshev & Zherikhin, 1996

***Megabrenthorhinus grandis* Gratshev & Zherikhin, 1996**

Megabrenthorhinus grandis Gratshev & Zherikhin, 1996: 115

Megabrenthorhinus grandis: Soriano, Gratshev, Delclòs, 2006: 564

Megabrenthorhinus grandis: Legalov, 2009b: 210

Distribution. Karatau.

***Megabrenthorhinus longicornis* Gratshev & Zherikhin, 1996**

Megabrenthorhinus longicornis Gratshev & Zherikhin, 1996: 115

Megabrenthorhinus longicornis: Soriano, Gratshev, Delclòs, 2006: 564

Megabrenthorhinus longicornis: Legalov, 2009b: 210

Distribution. Karatau.

Genus *Microbrenthorhinus* Gratshev & Zherikhin, 2000

Microbrenthorhinus Gratshev & Zherikhin, 2000b: 40

Type species: *Microbrenthorhinus martinezi* Gratshev & Zherikhin, 2000

***Microbrenthorhinus martinezi* Gratshev & Zherikhin, 2000**

Microbrenthorhinus martinezi Gratshev & Zherikhin, 2000b: 41

Microbrenthorhinus martinezi: Soriano, Gratshev, Delclòs, 2006: 564

Microbrenthorhinus martinezi: Soriano, 2009: 104

Microbrenthorhinus martinezi: Legalov, 2009b: 210

Distribution. Montsec.

Subfamily Cimberindinae des Gozis, 1882

Cimberidae des Gozis, 1882: 58

Type genus: *Cimberis* des Gozis, 1881

Genus *Chinocimberis* Legalov, 2009

Chinocimberis Legalov, 2009b: 205

Type species: *Brenthorhinoides angustipecteris* Liu, Ren, Tan, 2006

***Chinocimberis angustipeteris* (Liu, Ren, Tan, 2006)**

Brenthorrhinoides angustipeteris Liu, Ren, Tan, 2006: 607
Chinocimberis angustipeteris: Legalov, 2009b: 205

Distribution. Yixian.

***Chinocimberis magnoculi* (Liu, Ren, Tan, 2006)**

Brenthorrhinoides magnoculi Liu, Ren, Tan, 2006: 607
Chinocimberis magnoculi: Legalov, 2009b: 205

Distribution. Yixian.

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

Genus *Renicimberis* Legalov, 2009

Renicimberis Legalov, 2009b: 206
Type species: *Brenthorrhinoides latipeeteris* Liu, Ren, Tan, 2006

***Renicimberis latipeeteris* (Liu, Ren, Tan, 2006)**

Brenthorrhinoides latipeeteris Liu, Ren, Tan, 2006: 607
Renicimberis latipeeteris: Legalov, 2009b: 206

Distribution. Yixian.

Family Ithyceridae Schoenherr, 1823

Ithycerides Schoenherr, 1823: 1136
Type genus: *Ithycerus* Schoenherr, 1823
Pachyrhynchidae Kirby, 1837: 203; type genus: *Pachyrhynchus* Kirby, 1837

Subfamily Mongolocarinae Gratshev & Legalov, 2010

Mongolocarinae Gratshev & Legalov, 2010: ?
Type genus: *Mongolocar* Gratshev & Legalov, 2010

Genus *Paleocar* Gratshev & Legalov, 2010
Paleocar Gratshev & Legalov, 2010: ?

Type species: *Paleocar princeps* Gratshev & Legalov, 2010

***Paleocar princeps* Gratshev & Legalov, 2010**
Paleocar princeps Gratshev & Legalov, 2010: ?
Distribution. Shar-Tolgoy.

Genus *Mongolocar* Gratshev & Legalov, 2010
Mongolocar Gratshev & Legalov, 2010: ?
Type species: *Mongolocar orcinus* Gratshev & Legalov, 2010

***Mongolocar orcinus* Gratshev & Legalov, 2010**
Mongolocar orcinus Gratshev & Legalov, 2010: ?
Distribution. Shar-Tolgoy.

Genus *Praecar* Gratshev & Legalov, 2010
Praecar Gratshev & Legalov, 2010: ?
Type species: *Praecar stolidus* Gratshev & Legalov, 2010

***Praecar stolidus* Gratshev & Legalov, 2010**
Praecar stolidus Gratshev & Legalov, 2010: ?
Distribution. Karatau.

Genus *Karacar* Gratshev & Legalov, 2010
Karacar Gratshev & Legalov, 2010
Type species: *Karacar contractus* Gratshev & Legalov, 2010: ?

***Karacar contractus* Gratshev & Legalov, 2010**
Karacar contractus Gratshev & Legalov, 2010: ?
Distribution. Karatau.

Genus *Baissacar* Gratshev & Legalov, 2010
Baissacar Gratshev & Legalov, 2010: ?
Type species: *Baissacar passarius* Gratshev & Legalov, 2010

***Baissacar passarius* Gratshev & Legalov, 2010**
Baissacar passarius Gratshev & Legalov, 2010: ?
Distribution. Baissa.

Subfamily Carinae Thompson, 1992

Carinae Thompson, 1992: 882
 Type genus: *Car* Blackburn, 1897
 Carinae Zimmermann, 1994a: 449 [non
 Thompson, 1992]; type genus: *Car* Blackburn,
 1897
 Carinae Kuschel, 1995: 18 [non Thompson,
 1992, nec Zimmermann, 1994]; type genus: *Car*
 Blackburn, 1897

Supertribe Baissorhynchitae Zherikhin, 1993

Baissorhynchini Zherikhin, 1993: 30
 Type genus: *Baissorhynchus* Zherikhin, 1977

Tribe Gobicarini Legalov, 2009

Gobicarini Legalov, 2009c: 291
 Type genus: *Gobicar* Gratshev & Zherikhin, 1999

Genus *Gobicar* Gratshev & Zherikhin, 1999

Gobicar Gratshev & Zherikhin, 1999: 40
 Type species: *Gobicar ponomarenkoi* Gratshev
 & Zherikhin, 1999

***Gobicar ponomarenkoi* Gratshev & Zherikhin,
 1999**

Gobicar ponomarenkoi Gratshev & Zherikhin,
 1999: 41
Gobicar ponomarenkoi: Gratshev, Zherikhin,
 2003: 131, 133
Gobicar ponomarenkoi: Soriano, Gratshev,
 Delclòs, 2006: 564
Gobicar ponomarenkoi: Legalov, 2009a: 123
Gobicar ponomarenkoi: Legalov, 2009c: 291

Distribution. Shar-Teg.

***Gobicar ulugeiensis* Legalov, sp.n. (Fig. 6)**

Material. Holotype – ?female (PIN¹ 4288/362),
 Mongolia, Umnu-Gobi ajmag, 25 km S Mandal-
 Obo-Somon settlement, Mushugay, Upper
 Jurassic - Lower Cretaceous, Ulugei Formation.
Description. Body dark brown. Rostrum long,
 7.67 times longer than the width, 1.44 times longer
 than pronotum, narrower than femora, weakly
 curved. Antennae attached in first third of
 rostrum. Frons weakly convex. Eyes large, round.
 Temples shorter than eye. Antennae short.
 Segments trapezoid. Clava not compact, shorter
 and wider than funicle. 1st segment trapezoid.
 2nd segment little longer than 1st segment. 3rd
 segment elongated, equal on length to the

previous segments together taken. Pronotum
 weakly elongated, with lateral carina. Disk
 flattened, probably, small punctate. Elytra 3.2
 times longer than pronotum, with distinct striae.
 Intervals narrow, flat. Exterior margin of elytra
 straight line. Procoxa spherical, located near the
 prothorax basis. Precoxal part of prothorax weakly
 elongated. Metepisternum narrow. Metathorax
 wide. Abdomen flattened. 1st-4th ventrites of
 almost equal length. 5th ventrite elongated.
 Femora weakly widened. Length of body: 4.4 mm.

Diagnosis. This new species is like to *Gobicar
 ponomarenkoi* Gratshev & Zherikhin, 1999 but
 differs by larger sizes of body, more strongly
 curved rostrum and longer 5th ventrite.

Etymology. The name is derived from the location
 “Ulugei” – “ulugeiensis”.

Distribution. Khutuliy-Khira.

Tribe Mesophyletini Poinar, 2006

Mesophyletinae Poinar, 2006: 879
 Type genus: *Mesophyletis* Poinar, 2006

Genus *Mesophyletis* Poinar, 2006

Mesophyletis Poinar, 2006: 879
 Type species: *Mesophyletis calhouni* Poinar,
 2006

***Mesophyletis calhouni* Poinar, 2006**

Mesophyletis calhouni Poinar, 2006: 880
Mesophyletis calhouni: Legalov, 2009a: 124

Distribution. Myanmar amber.

Tribe Baissorhynchini Zherikhin, 1993

Baissorhynchini Zherikhin, 1993: 30
 Type genus: *Baissorhynchus* Zherikhin, 1977

Subtribe Abrocarina Legalov, 2009

Abrocarina Legalov, 2009c: 291
 Type genus: *Abrocar* Liu & Ren, 2006

Genus *Abrocar* Liu & Ren, 2006

Abrocar Liu & Ren, 2006: 62
 Type species: *Abrocar brachyorhinos* Liu & Ren,
 2006

***Abrocar brachyorhinos* Liu & Ren, 2006**

Abrocar brachyorhinos Liu & Ren, 2006: 64
Abrocar brachyorhinos: Legalov, 2009a: 121

- Abrocar brachyorhinos*: Legalov, 2009c: 291
Distribution. Yixian.
- Abrocar macilentus Liu & Ren, 2007**
Abrocar macilentus Liu & Ren, 2007: 644
Abrocar macilentus: Legalov, 2009a: 121
Abrocar macilentus: Legalov, 2009c: 291
Distribution. Yixian.
- Subtribe Baissorhynchina Zherikhin, 1993**
Baissorhynchini Zherikhin, 1993: 30
Type genus: *Baissorhynchus* Zherikhin, 1977
- Genus Cretonanophyes Zherikhin, 1977**
Cretonanophyes Zherikhin, 1977: 178
Type species: *Cretonanophyes longirostris* Zherikhin, 1977
- Cretonanophyes longirostris Zherikhin, 1977**
Cretonanophyes longirostris Zherikhin, 1977: 178
Cretonanophyes longirostris: Ponomarenko, 2002: 168
Cretonanophyes longirostris: Kuschel, 1983: 501
Cretonanophyes longirostris: Soriano, Gratshev, Delclòs, 2006: 564
Cretonanophyes longirostris: Legalov, 2009a: 123
Distribution. Baissa.
- Genus Cretocar Gratshev & Zherikhin, 2000**
Cretocar Gratshev & Zherikhin, 2000a: 246
Type species: *Cretocar luzzii* Gratshev & Zherikhin, 2000
- Cretocar luzzii Gratshev & Zherikhin, 2000**
Cretocar luzzii Gratshev & Zherikhin, 2000a: 248
Cretocar luzzii: Gratshev, Zherikhin, 2003: 133
Cretocar luzzii: Grimaldi, Engel, 2005: 398
Cretocar luzzii: Soriano, Gratshev, Delclòs, 2006: 563
Cretocar luzzii: Legalov, 2009a: 123
Distribution. New Jersey amber.
- Genus Emanrhynchus Zherikhin, 1993**
Emanrhynchus Zherikhin, 1993: 31
- Type species: *Emanrhynchus lebedevi* Zherikhin, 1993
- Emanrhynchus lebedevi Zherikhin, 1993**
Emanrhynchus lebedevi Zherikhin, 1993: 31
Emanrhynchus lebedevi: Soriano, Gratshev, Delclòs, 2006: 563
Emanrhynchus lebedevi: Legalov, 2009a: 123
Distribution. Khetana.
- Genus Gratshevibelus Soriano, 2009**
Gratshevibelus Soriano, 2009: 100
Type species: *Gratshevibelus erici* Soriano, 2009
- Gratshevibelus erici Soriano, 2009**
Gratshevibelus erici Soriano, 2009: 101
Gratshevibelus erici: Legalov, 2009a: 123
Distribution. French amber.
- Genus Montsecanomalus Soriano, Gratshev, Delclòs, 2006**
Montsecanomalus Soriano, Gratshev, Delclòs, 2006: 558
Type species: *Montsecanomalus zherichini* Soriano, Gratshev, Delclòs, 2006
- Subgenus Montsecanomalus s. str.**
- Montsecanomalus (Montsecanomalus) punctatus (Liu & Ren, 2007)**
Cretonanophyes punctatus Liu & Ren, 2007: 645
Montsecanomalus punctatus: Legalov, 2009a: 123
Montsecanomalus punctatus: Legalov, 2009c: 291
Distribution. Yixian.
- Montsecanomalus (Montsecanomalus) sorianoii Legalov, 2009**
Montsecanomalus sorianoii Legalov, 2009c: 291
Montsecanomalus zherichini Soriano, Gratshev, Delclòs, 2006: 559
Montsecanomalus zherichini: Legalov, 2009a: 123
Distribution. Montsec.
- Montsecanomalus (Montsecanomalus) zherichini (Liu & Ren, 2006)**
Cretonanophyes zherichini Liu & Ren, 2006: 61

Montsecanomalus zherichini: Legalov, 2009a: 123

Montsecanomalus zherichini: Legalov, 2009c: 291

Distribution. Yixian.

Subgenus *Leptocar* Liu & Ren, 2007

Leptocar Liu & Ren, 2007: 642

Type species: *Leptocar polychaetus* Liu & Ren, 2007

Montsecanomalus (Leptocar) polychaetus (Liu & Ren, 2007)

Leptocar polychaetus Liu & Ren, 2007: 642

Montsecanomalus polychaetus: Legalov, 2009a: 123

Montsecanomalus polychaetus: Legalov, 2009c: 291

Distribution. Yixian.

Subgenus *Hispanocarodes* Legalov, 2009

Hispanocarodes Legalov, 2009c: 291

Type species: *Gobicar hispanicus* Gratshev & Zherikhin, 2000

***Montsecanomalus (Hispanocarodes) hispanicus* Gratshev & Zherikhin, 2000**

?Curculionioidea: family, genus, species uncertain: Zherikhin & Gratshev, 1997: 631
Gobicar hispanicus Gratshev & Zherikhin, 2000b: 42

Gobicar hispanicus: Soriano, Gratshev, Delclòs, 2006: 564

Gobicar hispanicus: Legalov, 2009a: 123

Montsecanomalus hispanicus: Legalov, 2009c: 291

Distribution. Montsec.

Subgenus *Rugosocar* Legalov, 2009

Rugosocar Legalov, 2009c: 291

Type species: *Cretonanophyes rugosithorax* Gratshev & Zherikhin, 2000

Montsecanomalus (Rugosocar) rugosithorax (Gratshev & Zherikhin, 2000)

Cretonanophyes rugosithorax Gratshev & Zherikhin, 2000b: 43

Cretonanophyes rugosithorax: Soriano, Gratshev, Delclòs, 2006: 564

Montsecanomalus rugosithorax: Legalov, 2009a: 123

Montsecanomalus rugosithorax: Legalov, 2009c: 291

Distribution. Montsec.

Genus *Baissorhynchus* Zherikhin, 1977

Baissorhynchus Zherikhin, 1977: 176

Type species: *Baissorhynchus tarsalis* Zherikhin, 1977

***Baissorhynchus tarsalis* Zherikhin, 1977**

Baissorhynchus tarsalis Zherikhin, 1977: 177

Baissorhynchus tarsalis: Soriano, Gratshev, Delclòs, 2006: 563, 564

Baissorhynchus tarsalis: Legalov, 2009a: 124

Distribution. Baissa.

Genus *Martinsnetoa* Zherichin & Gratshev, 2004

Martinsnetoa Zherichin & Gratshev, 2004: 65

Type species: *Martinsnetoa dubia* Zherichin & Gratshev, 2004

***Martinsnetoa dubia* Zherichin & Gratshev, 2004**

Martinsnetoa dubia Zherichin & Gratshev, 2004: 66

Martinsnetoa dubia: Soriano, Gratshev, Delclòs, 2006: 563

Martinsnetoa dubia: Legalov, 2009a: 124

Distribution. Santana.

Genus *Jarzebowski* Zherikhin & Gratshev, 1997

Jarzebowski Zherikhin & Gratshev, 1997: 628

Type species: *Jarzebowski* *edmundi* Zherikhin & Gratshev, 1997

***Jarzebowski* *edmundi* Zherikhin & Gratshev, 1997**

Jarzebowski *edmundi* Zherikhin & Gratshev, 1997: 629

Jarzebowski *edmundi*: Gratshev & Zherikhin, 2000b: 44

Jarzebowski *edmundi*: Soriano, Gratshev, Delclòs, 2006: 564

Jarzebowski *edmundi*: Legalov, 2009a: 124

- Distribution.** Montsec.
- Genus *Hispanocar* Soriano, Gratshev, Delclòs, 2006**
Hispanocar Soriano, Gratshev, Delclòs, 2006: 561
Type species: *Hispanocar kseniae* Soriano, Gratshev, Delclòs, 2006
- Hispanocar kseniae* Soriano, Gratshev, Delclòs, 2006**
Hispanocar kseniae Soriano, Gratshev, Delclòs, 2006: 561
Hispanocar kseniae: Legalov, 2009a: 124
- Distribution.** Montsec.
- Supertribe Caritae Thompson, 1992**
Carinae Thompson, 1992: 882
Type genus: *Car* Blackburn, 1897
Carinae Zimmermann, 1994a: 449 [non Thompson, 1992]; type genus: *Car* Blackburn, 1897
Carinae Kuschel, 1995: 18 [non Thompson, 1992, nec Zimmermann, 1994]; type genus: *Car* Blackburn, 1897
- Tribe Carini Thompson, 1992**
Carinae Thompson, 1992: 882
Type genus: *Car* Blackburn, 1897
Carinae Zimmermann, 1994a: 449 [non Thompson, 1992]; type genus: *Car* Blackburn, 1897
Carinae Kuschel, 1995: 18 [non Thompson, 1992, nec Zimmermann, 1994]; type genus: *Car* Blackburn, 1897
- Tribe Chilecarini Legalov, 2009**
Chilecarini Legalov, 2009a: 125
Type genus: *Chilecar* Kuschel, 1992
- Subtribe incertae sedis**
- Genus *Auletomacer* Zherichin, 1993**
Auletomacer Zherichin, 1993: 24
Type species: *Auletomacer disruptus* Zherichin, 1993
- Auletomacer disruptus* Zherichin, 1993**
Auletomacer disruptus Zherichin, 1993: 25
- Auletomacer disruptus*: Soriano, Gratshev, Delclòs, 2006: 563**
Auletomacer disruptus: Soriano, 2009: 104
Auletomacer disruptus: Legalov, 2009a: 127
- Distribution.** Khetana.
- Subfamily Ulyaninae Zherichin, 1993**
Ulyanidae Zherichin, 1993: 26
Type genus: *Ulyaniana* Zherichin, 1993
- Genus *Ulyaniana* Zherichin, 1993**
Ulyaniana Zherichin, 1993: 27
Type species: *Ulyaniana nobilis* Zherichin, 1993
- Ulyaniana excellens* Gratshev, 1998**
Ulyaniana excellens Gratshev, 1998: 44
Ulyaniana excellens: Gratshev, 1998: 44-45
Ulyaniana excellens: Gratshev, Zherikhin, 2003: 133
Ulyaniana excellens: Legalov, 2009a: 127
- Distribution.** Bon-Tsagaan.
- Ulyaniana nobilis* Zherichin, 1993**
Ulyaniana nobilis Zherichin, 1993: 27
Ulyaniana nobilis: Gratshev, 1998: 44
Ulyaniana nobilis: Legalov, 2009a: 127
- Distribution.** Khetana.
- Subfamily Slonikinae Zherichin, 1977**
Slonikinae Zherichin, 1977: 179
Type genus: *Slonik* Zherichin, 1977
- Tribe Slonikini Zherichin, 1977**
Slonikinae Zherichin, 1977: 179
Type genus: *Slonik* Zherichin, 1977
- Genus *Slonik* Zherichin, 1977**
Slonik Zherichin, 1977: 180
Type species: *Slonik sibiricus* Zherichin, 1977
- Slonik sibiricus* Zherichin, 1977**
Slonik sibiricus Zherichin, 1977: 180
Slonik sibiricus: Legalov, 2009a: 128
- Distribution.** Baissa.
- Tribe Ulyaniscini Legalov, 2009**
Ulyaniscini Legalov, 2009a: 128
Type genus: *Ulyanisca* Gratshev, 1998
- Genus *Ulyanisca* Gratshev, 1998**

Ulyanisca Gratshev, 1998: 45
Type species: *Ulyanisca dentipes* Gratshev, 1998

***Ulyanisca dentipes* Gratshev, 1998**

Ulyanisca dentipes Gratshev, 1998: 45
Ulyanisca dentipes: Legalov, 2009a: 128

Distribution. Bon-Tsagaan.

Family Belidae Schoenherr, 1826

Belides Schoenherr, 1826: 73
Type genus: *Belus* Schoenherr, 1823: 1137

Subfamily Belinae Schoenherr, 1826

Belides Schoenherr, 1826: 73
Type genus: *Belus* Schoenherr, 1823: 1137

Supertribe Pachyuritae Kuschel, 1959

Pachyurini Kuschel, 1959b: 253
Type genus: *Pachyura* Hope, 1833

Tribe Pachyurini Kuschel, 1959

Pachyurini Kuschel, 1959b: 253
Type genus: *Pachyura* Hope, 1833

Genus *Davidibelus* Zherichin & Gratshev, 2004

Davidibelus Zherichin & Gratshev, 2004: 63
Type species: *Davidibelus cearensis* Zherichin & Gratshev, 2004

***Davidibelus cearensis* Zherichin & Gratshev, 2004**

Davidibelus cearensis Zherichin & Gratshev, 2004: 64
Davidibelus cearensis: Soriano, Gratshev, Delclòs, 2006: 563
Davidibelus cearensis: Soriano, 2009: 104
Davidibelus cearensis: Legalov, 2009d: 299

Distribution. Santana.

Supertribe Belitae Schoenherr, 1826

Belides Schoenherr, 1826: 73
Type genus: *Belus* Schoenherr, 1823

Tribe Belini Schoenherr, 1826

Belides Schoenherr, 1826: 73
Type genus: *Belus* Schoenherr, 1823

Subtribe Belina Schoenherr, 1826

Belides Schoenherr, 1826: 73
Type genus: *Belus* Schoenherr, 1823: 1137

Genus *Montsecbelus* Zherikhin & Gratshev, 1997

Montsecbelus Zherikhin & Gratshev, 1997: 626
Type species: *Eobelus solutus* Whalley & Jarzembowski, 1985

***Montsecbelus solutus* (Whalley & Jarzembowski, 1985)**

Eobelus solutus Whalley & Jarzembowski, 1985: 400
Montsecbelus solutus: Gratshev & Zherikhin, 2000b: 44
Montsecbelus solutus: Gratshev, Zherikhin, 2003: 133
Montsecbelus solutus: Soriano, Gratshev, Delclòs, 2006: 564
Montsecbelus solutus: Soriano, 2009: 104
Montsecbelus solutus: Legalov, 2009d: 303

Distribution. Montsec.

Subfamily Oxycoryninae Schoenherr, 1840

Oxycorynides Schoenherr, 1840: 581
Type genus: *Oxycorynus* Chevrolat, 1832

Supertribe Oxycoryninae Schoenherr, 1840

Oxycorynides Schoenherr, 1840: 581
Type genus: *Oxycorynus* Chevrolat, 1832

Oxycoryninae incertae sedis

Genus *Khetana* Zherikhin, 1993

Khetana Zherikhin, 1993: 23
Type species: *Khetana decapitata* Zherikhin, 1993

***Khetana decapitata* Zherikhin, 1993**

Khetana decapitata Zherikhin, 1993: 23
Khetana decapitata: Soriano, Gratshev, Delclòs, 2006: 563
Khetana decapitata: Soriano, 2009: 104
Khetana decapitata: Legalov, 2009d: 313

Distribution. Khetana.

Supertribe Aglycyderitae Wollaston, 1864

Aglycyderidae Wollaston, 1864: 384
Type genus: *Aglycyderes* Westwood, 1864

- Tribe Distenorrhinoidini Legalov, 2009**
Distenorrhinoidini Legalov, 2009d: 313
Type genus: *Distenorrhinoides* Gratshev & Zherikhin, 2000
- Genus *Distenorrhinoides* Gratshev & Zherikhin, 2000**
Distenorrhinoides Gratshev & Zherikhin, 2000: 39
Type species: *Distenorrhinoides simulator* Gratshev & Zherikhin, 2000
- Distenorrhinoides simulator* Gratshev & Zherikhin, 2000**
Distenorrhinoides simulator Gratshev & Zherikhin, 2000: 39
Distenorrhinoides simulator: Soriano, Gratshev, Delclòs, 2006: 564
Distenorrhinoides simulator: Legalov, 2009d: 313
Distribution. Montsec.
- Family Anthribidae Billberg, 1820**
Anthribides Billberg, 1820: 39
Type genus: *Anthribus* Geoffroy, 1762
- Subfamily Anthribinae Billberg, 1820**
Anthribides Billberg, 1820: 39
Type genus: *Anthribus* Geoffroy, 1762
- Tribe Cretanthribini Legalov, 2009**
Cretanthribini Legalov, 2009c: 291
Type genus: *Cretanthribus* Legalov, 2009
- Genus *Cretanthribus* Legalov, 2009**
Cretanthribus Legalov, 2009c: 292
Type species: *Anthribites cretaceus* Zherikhin, 1993
- Cretanthribus cretaceus* (Zherikhin, 1993)**
Anthribites cretaceus Zherikhin, 1993: 29
Anthribites cretaceus: Gratshev, Zherikhin, 2003: 132
Anthribites cretaceus: Rheinheimer, 2004: 124
Anthribites cretaceus: Soriano, Gratshev, Delclòs, 2006: 563
Cretanthribus cretaceus: Legalov, 2009c: 292
Distribution. Khetana.
- Subfamily Choraginae Kirby, 1819**
Choragidae Kirby, 1819: 447
Type genus: *Choragus* Kirby, 1819
- Genus *Cretochoragus* Soriano, Gratshev, Delclòs, 2006**
Cretochoragus Soriano, Gratshev, Delclòs, 2006: 557
Type species: *Cretochoragus pygmaeus* Soriano, Gratshev, Delclòs, 2006
- Cretochoragus pygmaeus* Soriano, Gratshev, Delclòs, 2006**
Cretochoragus pygmaeus Soriano, Gratshev, Delclòs, 2006: 557
Cretochoragus pygmaeus: Legalov, 2009c: 292
Distribution. Montsec.
- Family Rhynchitidae Gistel, 1848**
Rhynchitidae Gistel, 1848: 2
Type genus: *Rhynchites*: Herbst, 1797 = (*Rhynchites* Schneider, 1791)
- Supertribe Rhinocartitae Voss, 1931**
Rhinocartini Voss, 1931a: 162
type genus: *Rhinocartus* Voss, 1922
- Tribe Sanyrevilleini Legalov, 2003**
Sanyrevilleina Legalov, 2003: 85
Type genus: *Sanyrevilleus* Gratshev & Zherikhin, 2000
- Subtribe Sanyrevilleina Legalov, 2003**
Sanyrevilleina Legalov, 2003: 85
Type genus: *Sanyrevilleus* Gratshev & Zherikhin, 2000
- Genus *Orapauletes* Legalov, 2009**
Orapauletes Legalov, 2009c: 292
Type species: *Orapauletes cretaceus* Legalov, 2009
- Orapauletes cretaceus* Legalov, 2009**
Orapauletes cretaceus Legalov, 2009c: 292
Distribution. Orapa.
- Genus *Sanyrevilleus* Gratshev & Zherikhin, 2000**
Sanyrevilleus Gratshev & Zherikhin, 2000a: 244

Type species: *Sanyrevilleus grimaldii*
Gratshev & Zherikhin, 2000

***Sanyrevilleus grimaldii* Gratshev &
Zherikhin, 2000**
Sanyrevilleus grimaldii Gratshev & Zherikhin,
2000a: 245

Sanyrevilleus grimaldii: Legalov, 2003: 85
Sanyrevilleus grimaldii: Legalov, 2007: 31
Sanyrevilleus grimaldii: Legalov, 2009c: 292

Distribution. New Jersey amber.

Genus *Zherichiniletes* Legalov, 2007
Zherichiniletes Legalov, 2007: 69
Type species: *Zherichiniletes khetanus*
Legalov, 2007

***Zherichiniletes khetanus* Legalov, 2007**
Rhynchitini gen. et sp. indet: Zherichin,
1993: 32
Zherichiniletes khetanus Legalov, 2007:
69

Zherichiniletes khetanus: Legalov,
2009c: 292

Distribution. Khetana.

Family Brentidae Billberg, 1820
Brenthides Billberg, 1820: 40
Type genus: *Brenthus* Illiger, 1801 = *Brentus*
Fabricius, 1787

Subfamily Eurhynchinae Lacordaire, 1863
Eurhynchides Lacordaire, 1863: 527
Type genus: *Eurynchus* Kirby, 1828

Tribe Axeirodiellini Legalov, 2009
Axeirodiellini Legalov, 2009c: 292
Type genus: *Axeirodiellus* Zhericin & Gratshev,
2004

**Genus *Axeirodiellus* Zhericin & Gratshev,
2004**
Axeirodiellus Zhericin & Gratshev, 2004: 66
Type species: *Axeirodiellus ruptus* Zhericin &
Gratshev, 2004

***Axeirodiellus ruptus* Zhericin & Gratshev, 2004**
Axeirodiellus ruptus Zhericin & Gratshev, 2004:
67

Axeirodiellus ruptus: Legalov, 2009c: 292
Distribution. Santana.

Tribe Eurhynchini Lacordaire, 1863
Eurhynchides Lacordaire, 1863: 527
Type genus: *Eurynchus* Kirby, 1828

**Genus *Orapaeus* Kuschel & Oberprieler,
1994**
Orapaeus Kuschel & Oberprieler, 1994: 139
Type species: *Orapaeus cretaceus* Kuschel &
Oberprieler, 1994

***Orapaeus cretaceus* Kuschel & Oberprieler,
1994**
Orapaeus cretaceus Kuschel & Oberprieler,
1994: 140
Orapaeus cretaceus: Gratshev, Zherikhin, 2003:
134
Orapaeus cretaceus: Legalov, 2009c: 293
Distribution. Orapa.

Family Curculionidae Latreille, 1802
Curculionites Latreille, 1802: 195
Type genus: *Curculio* Linnaeus, 1758

Subfamily Erirhininae Schoenherr, 1825
Erirhinides Schoenherr, 1825: 582
Type genus: *Erirhinus* Schoenherr, 1825

Tribe Cretuliini Legalov, 2009
Cretuliini Legalov, 2009c: 293
Type genus: *Cretulio* Zherikhin, 1993

Genus *Cretulio* Zherikhin, 1993
Cretulio Zherikhin, 1993: 33
Type species: *Cretulio nucula* Zherikhin, 1993

***Cretulio nucula* Zherikhin, 1993**
Cretulio nucula Zherikhin, 1993: 35
Cretulio nucula: Gratshev, Zherikhin, 2003: 132,
133
Cretulio nucula: Legalov, 2009c: 293
Distribution. Khetana.

Erirhininae tribe incertae sedis
Genus *Creterhirhinus* Legalov, gen.n. (Figs. 7-
10)

Type species: *Creterhirhinus kzyldzharensis* Legalov, sp.n.

Description. Body light brown. Head roundish. Rostrum long, widened to apex. Eyes no protruding from contour of the head. Pronotum weakly transversal, with punctate disk. Elytra convex, with distinct striae and narrow intervals. Abdomen convex. 1st and 2nd ventrites elongated. 3rd - 5th ventrites narrow. Length of body: 1.9 mm.

Diagnosis. This new genus differs from unique described cretaceous genus *Cretulio* Zherikhin, 1993 of subfamily Erihinae by the form of body, shorter rostrum and small sizes of body.

Etymology. The name is formed from the words "Cretaceous" and "Erihinae".

***Creterhirhinus kzyldzharensis* Legalov, sp.n.** (Figs. 7-10)

Material. Holotype – male (PIN¹ 2383/266), South Kazakhstan, Kzyl-Ordinskaya Region, Chiili District, NE spurs of Kara-Tau mountain range.

Description. Body light brown. Head roundish. Rostrum long, 5.33 times longer than width and equal on length to pronotum, widened to apex. Eyes no protruding from contour of the head. Pronotum weakly transversal, 1.09 times wider than length. Disk convex, punctate. Elytra convex, 2.11 times longer than width on the middle, 2.81 times longer than pronotum, with distinct striae. Points in striae large. Intervals narrow, convex. Abdomen convex, small punctate. 1st and 2nd ventrites elongated, approximately equal length. 3rd - 5th ventrites narrow. 2nd ventrite 1.55 times longer than 3rd ventrite. 4th ventrite little narrower than 3rd ventrite. 5th ventrite equal on width to 4th ventrite. Length of body: 1.9 mm.

Etymology. The name is derived from the location "Kzyl-Dzhar" – "kzyldzharensis".

Distribution. Kzyl-Dzhar.

Subfamily Molytinae Schoenherr, 1823

Molytides Schoenherr, 1823: 1142

Type genus: *Molytes* Schoenherr, 1823

Genus *Gyrbykana* Zherikhin, 1993

Gyrbykana Zherikhin, 1993: 36

Type species: *Gyrbykana curvipes* Zherikhin, 1993

***Gyrbykana curvipes* Zherikhin, 1993**

Gyrbykana curvipes Zherikhin, 1993: 36

Gyrbykana curvipes: Legalov, 2009c: 293

Distribution. Khetana.

Genus *Archaralites* Legalov, gen.n. (Fig. 3)

Type species: *Archaralites zherichini* Legalov, sp.n.

Description. Body light. Elytra convex, with deep striae and wide intervals. Metathorax convex, punctate. Abdomen small and densely punctate. 1st and 2nd ventrites elongated. 3rd and 4th ventrites narrow. 5th ventrite elongated. Length of metathorax and abdomen: 3.6 mm.

Diagnosis. This new genus differs from *Gyrbykana* Zherikhin, 1993 by the dense punctate bottom, elongated 5th ventrite, convex metathorax and larger sizes of the body.

Etymology. The name is formed from the word "Archara".

***Archaralites zherichini* Legalov, sp.n. (Fig. 3)**

Material. Holotype – male (PIN¹ 2055/34), Amur Prov., Arharinsk District, bottom of an open-cast mine of the Arhara hill, Arhara station.

Description. Body light. Elytra of bad safety. Striae deep, with small points. Intervals wide, convex, smooth. Metathorax convex, dense and largely punctate. Metacoxal cavities large oval. Abdomen small and densely punctate. Intervals convex. 1st and 2nd ventrites elongated, approximately equal length. 2nd and 4th ventrites narrow, approximately equal length, little wider than 3rd ventrite. 5th ventrite elongated, convex, longer than 3rd and 4th ventrites together taken. Length of metathorax and abdomen: 3.6 mm.

Remarks. The beetle is presented only by metathorax, abdomen and part of left elytra. The abdomen is weakly pressed shows on the male.

Etymology. This new species is named in honour of V.V. Zherichin.

Distribution. Arkhara.

Subfamily Cryptorhynchinae Schoenherr, 1825

Cryptorhynchinae Schoenherr, 1825

Type genus: *Cryptorhynchus* Illiger, 1807

Genus *Paleocryptorhynchus* Poinar, 2009

Paleocryptorhynchus Poinar, 2009: 587
Type species: *Paleocryptorhynchus burmanus*
Poinar, 2009

***Paleocryptorhynchus burmanus* Poinar, 2009**
Paleocryptorhynchus burmanus Poinar, 2009: 587
Paleocryptorhynchus burmanus: Legalov, 2009c: 293

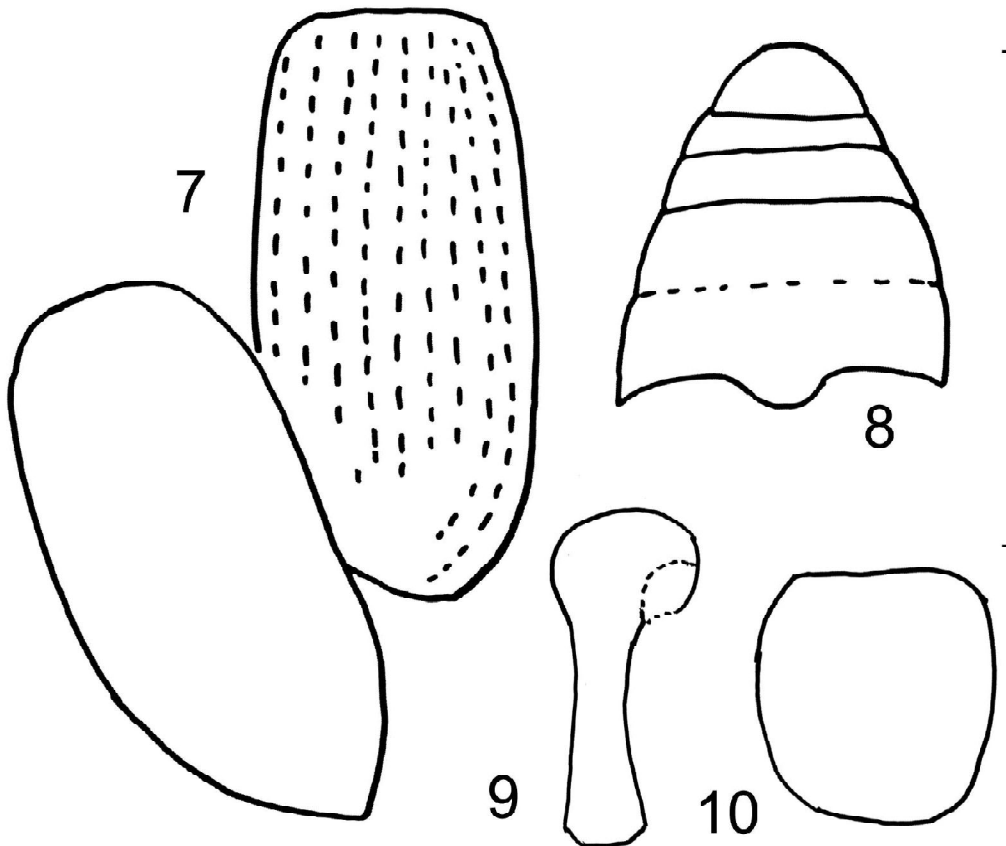
Distribution. Myanmar amber.

Subfamily Curculioninae Latreille, 1802
Curculionites Latreille, 1802: 195
Type genus: *Curculio* Linnaeus, 1758

Genus *Anchineus* Poinar & Brown, 2009
Anchineus Poinar & Brown, 2009: 264
Type species: *Anchineus dolichobothris* Poinar
& Brown, 2009

***Anchineus dolichobothris* Poinar & Brown, 2009**
Anchineus dolichobothris Poinar & Brown, 2009: 266
Anchineus dolichobothris: Legalov, 2009c: 293
Distribution. Myanmar amber.

Subfamily Entiminae Schoenherr, 1823
Entimides Schoenherr, 1823: 1138
Type genus: *Entimus* Germar, 1817



Figs. 7-10. *Creterhirhinus kzyldzharensis* (PIN¹ 2383/266): 7 – elytra, 8 – abdomen, 9 – rostrum and head, 10 – pronotum. Scale 1.0 mm.

Tribe Cylydrorhinini Lacordaire, 1863

Cylydrorhinides Lacordaire, 1863: 339

Type genus: *Cylydrorhinus* Guerin-Meneville, 1838

Genus *Dorotheus* Kuschel, 1959

Dorotheus Kuschel, 1959: 50

Type species: *Dorotheus guidensis* Kuschel, 1959

***Dorotheus guidensis* Kuschel, 1959**

Dorotheus guidensis Kuschel, 1959a: 50

Dorotheus guidensis: Gratshev, Zherikhin, 2003: 134

Dorotheus guidensis: Legalov, 2009c: 293

Distribution. Magallanes.

Family Scolytidae Latreille, 1804

Scolitarii Latreille, 1804: 156

Type genus: *Scolytus* Geoffroy, 1762

Subfamily Scolytinae Latreille, 1804

Scolitarii Latreille, 1804: 156

Type genus: *Scolytus* Geoffroy, 1762

Tribe Cyliobrotini Kirejtshuk, Azar,

Beaver, Mandelshtam & Nel, 2009

Cyliobrotini Kirejtshuk, Azar, Beaver, Mandelshtam & Nel, 2009: 102

Type genus: *Cyliobrotus* Kirejtshuk, Azar, Beaver, Mandelshtam & Nel, 2009

Genus *Cyliobrotus* Kirejtshuk, Azar,

Beaver, Mandelshtam & Nel, 2009

Cyliobrotus Kirejtshuk, Azar, Beaver, Mandelshtam & Nel, 2009: 105

Type species: *Cyliobrotus pectinatus* Kirejtshuk, Azar, Beaver, Mandelshtam & Nel, 2009

***Cyliobrotus pectinatus* Kirejtshuk, Azar, Beaver, Mandelshtam & Nel, 2009**

Cyliobrotus pectinatus Kirejtshuk, Azar, Beaver, Mandelshtam & Nel, 2009: 105

Cyliobrotus pectinatus: Alonso-Zarazaga, Lyal, 2009: 49

Cyliobrotus pectinatus: Legalov, 2009c: 293

Distribution. Lebanon amber.

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