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A.V. Kuprin. THE LONGICORN BEETLES (INSECTA, COLEOPTERA: CERAMBYCOIDAE) OF THE USSURI NATURE RESERVE AND ADJACENT TERRITORIES. – Far Eastern Entomologist. 2016. N 309: 21-28.

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Summary. A checklist of 177 species in superfamily of Cerambycoidea recorded from Ussuri Nature Reserve is given. The data on distribution of rare species, *Callipogon relictus* and *Rosalia coelestis*, in the Ussuri Nature Reserve is presented.

Key words: Coleoptera, Cerambycidae, Disteniidae, longicorn beetles, fauna, Ussuri Nature Reserve, Russia.

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Резюме. Приведен аннотированный список 177 видов надсемейства Cerambycoidea, отмеченных в Уссурийском заповеднике и сопредельных территориях. Представлены сведения о распространении редких видов (*Callipogon relictus* и *Rosalia coelestis*) на территории заповедника.

Beetles of the superfamily Cerambycoidea are among the best-studied insect groups. The superfamily currently consists of 4 families: Disteniidae Thomson, 1860, Cerambycidae Latreille, 1802, Oxypeltidae Lacordaire, 1869, and Vesperidae Mulsant, 1839. The increased interest in these insects is mostly due to their unique appearance and size. The fauna of longicorn beetles of the Russian Far East started to be actively studied in the 1920s, after the researchers of the Zoological Institute of the Russian Academy of Sciences had visited the southern part of this region and obtained a large sample collection. The first paper by T.P. Samoilov (1936) was based on the results of this and the previously made collection and focused on the faunistic-ecological characterization of the fauna of longicorn beetles of the southern Primorskii krai. The subsequent intensive investigation of the longicorn beetle fauna was carried out in the 1970–80s. Articles and monographs describing new species and faunistic checklists of many Russian regions have been published during this period (Cherepanov, 1979, 1981–1984).

Although studies of the fauna of longicorn beetles of the Russian Far East have been carried out for a long time, a significant number of species still remain poorly studied in many aspects. Many species belonging to the family Cerambycidae are known from occasional reports only; their distribution in the region has been studied rather sporadically. Only one gender has been described for a number of species. Biodiversity inventory is currently a high-priority task of the Russian nature reserves and national parks. Nevertheless, no checklist of longicorn beetles occurring in the Ussuri Nature Reserve has been compiled yet. Here we summarized all published data on the Cerambycoidea, the collections of the Institute of Biology and Soil Science, Vladivostok [IBSS] and materials collected by us in the Ussuri Nature Reserve and the adjacent territories. An annotated list of the longicorn beetles of reserve is given below (Table 1). The classification of Cerambycoidea follows Danilevsky (2016).

Table 1. List of the species of the families Disteniidae and Cerambycidae recorded from the Ussuri Nature Reserve and adjacent territories

No.	Species	Type of areal	Period of flying
	Family Disteniidae Thomson, 1861		
1.	<i>Distenia (Distenia) gracilis</i> (Blessig, 1872)	EA	VI-VII
	Family Cerambycidae Latreille, 1802		
	Subfamily Prioninae Latreille, 1802		
1.	<i>Callipogon (Eoxenus) relictus</i> Semenov, 1899	EA	VII-IX
2.	<i>Prionus insularis insularis</i> Motschulsky, 1858	EA	VIII-IX
	Subfamily Lepturinae Latreille, 1802		
3.	<i>Encyclops macilentus</i> (Kraatz, 1879)	EA	VI
4.	<i>Rhagium</i> (s. str.) <i>inquisitor rugipenne</i> Reitter, 1898	EA	V-VII
5.	<i>Stenocorus</i> (s. str.) <i>amurensis</i> (Kraatz, 1879)	EA	VI-VIII
6.	<i>Pachyta bicuneata</i> Motschulsky, 1860	EA	VI-VII
7.	<i>Pachyta lamed lamed</i> (Linnaeus, 1758) ¹⁾	TP	VI-VII
8.	<i>Evodinellus</i> (s. str.) <i>borealis</i> (Gyllenhal, 1827)	TP	VII
9.	<i>Brachyta (Variobrachyta) variabilis aberrans</i> (Villiers, 1960) ²⁾	EA	VII
10.	<i>Brachyta</i> (s. str.) <i>sachalinensis</i> Matsumura, 1911 ²⁾	EA	V-VII
11.	<i>Brachyta</i> (s. str.) <i>amurensis</i> Kraatz, 1879	EA	V-VI
12.	<i>Brachyta (Fasciobrachyta) bifasciata</i> (Olivier, 1792)	EA	VI-VII
13.	<i>Paragaurotus ussuriensis</i> (Blessig, 1873)	EA	VI-VII
14.	<i>Carilia virginea kozhevnikovi</i> (Plavilstshikov, 1915)	EA	VI-VII
15.	<i>Euracmaeops angusticollis</i> (Gebler, 1833)	TP	VI-VII
16.	<i>Euracmaeops septentrionis</i> (C.G. Thomson, 1866)	TP	VI-VII
17.	<i>Dinoptera minuta minuta</i> (Gebler, 1832)	EA	VI-VII
18.	<i>Cortodera ussuriensis</i> Tsherepanov, 1978	EA	VI-VII
19.	<i>Sivana bicolor</i> (Ganglbauer, 1886) ²⁾	EA	VI
20.	<i>Pseudosieversia rufa</i> (Kraatz, 1879)	EA	VI-VII
21.	<i>Pidonia (Mumon) debilis</i> Kraatz, 1879	EA	VI-VIII
22.	<i>Pidonia (Omphalodera) puziloi</i> (Solsky, 1873)	EA	VI-VII
23.	<i>Pidonia (Pseudopidonia) alticollis</i> Kraatz, 1879	EA	VI-VII
24.	<i>Pidonia (Pseudopidonia) amurensis</i> Pic, 1900	EA	VI-VII
25.	<i>Pidonia (Pseudopidonia) gibbicollis</i> Blessig, 1873	EA	VI-VII
26.	<i>Pidonia (Pseudopidonia) malthinoides</i> Kraatz, 1879	EA	VI-VII
27.	<i>Pidonia (Pseudopidonia) similis</i> Kraatz, 1879	EA	VI-VII
28.	<i>Sachalinobia koltzei</i> (Heyden, 1887)	EA	VI-VII
29.	<i>Grammoptera</i> (s. str.) <i>gracilis</i> Brancsik, 1914	EA	V-VII
30.	<i>Nivellia extensa</i> (Gebler, 1841)	EP	V-VII
31.	<i>Nivellia sanguinosa</i> (Gyllenhal, 1827)	TP	V-VIII
32.	<i>Strangalomorpha tenuis tenuis</i> Solsky, 1873	EA	VI-VII
33.	<i>Alosterna tabacicolor tenebris</i> Danilevsky, 2012 ³⁾	EA	VII
34.	<i>Alosterna diversipes</i> Pic, 1929 ⁴⁾	EA	VI-VII
35.	<i>Pseudalosterna elegantula</i> (Kraatz, 1879)	EA	VI-VIII
36.	<i>Anoplodera (Anoploderomorpha) cyanea</i> (Gebler, 1832)	EA	VI-VIII
37.	<i>Stictoleptura (Aredolpona) dichroa</i> (Blanchard, 1871)	EA	VII-IX

Table 1. Continue

No.	Species	Type of areal	Period of flying
38.	<i>Stictoleptura (Variileptura) variicornis</i> (Dalman, 1817)	TP	VII-VIII
39.	<i>Anastrangalia renardi</i> (Gebler, 1848)	EP	VI-VII
40.	<i>Anastrangalia scotodes continentalis</i> Plavilstshikov, 1936	EA	VI-VIII
41.	<i>Anastrangalia sequensi</i> (Reitter, 1898)	ET	VI-VIII
42.	<i>Lepturobosca virens</i> (Linnaeus, 1758)	TP	VII
43.	<i>Pedostrangalia (Neosphenalia) femoralis</i> (Motschulsky, 1860)	EA	VI-VIII
44.	<i>Judolia znojkoii</i> Plavilstshikov, 1936	EA	VI-VII
45.	<i>Judolia dentatofasciata</i> (Mannerheim, 1852)	EA	VII
46.	<i>Pachytodes longipes</i> (Gebler, 1832)	EP	VI-VII
47.	<i>Oedecnema gebleri</i> Ganglbauer, 1889	TP	VI-VII
48.	<i>Leptura (Macroleptura) thoracica</i> Creutzer, 1799	TP	VI-VIII
49.	<i>Leptura</i> (s. str.) <i>annularis annularis</i> Fabricius, 1801	TP	V-VIII
50.	<i>Leptura</i> (s. str.) <i>duodecimguttata</i> Fabricius, 1801	EA	V-VIII
51.	<i>Leptura</i> (s. str.) <i>aethiops</i> Poda, 1761	TP	VI-VIII
52.	<i>Strangalia attenuata</i> (Linnaeus, 1758)	TP	VI-IX
	Subfamily Necydalinae Latreille, 1825		
53.	<i>Necydalis</i> (s. str.) <i>major</i> Linnaeus, 1758	TP	VI-VII
54.	<i>Necydalis (Necydalisca) pennata</i> Lewis, 1879	EA	VI-VIII
	Subfamily Spondylidinae Serville, 1832		
55.	<i>Megasemum quadricostulatum</i> Kraatz, 1879	EA	VII-VIII
56.	<i>Asemum punctulatum</i> Blessig, 1872	EA	VII
57.	<i>Asemum striatum</i> (Linnaeus, 1758)	TP	VI-VIII
58.	<i>Arhopalus</i> (s. str.) <i>rusticus</i> (Linnaeus, 1758)	TP	VI-VII
59.	<i>Atimia maculipuncta nadezhdae</i> Tsherepanov, 1973	EA	VII
60.	<i>Tetropium castaneum</i> (Linnaeus, 1758)	TP	VI-VII
61.	<i>Tetropium gracilicorne</i> Reitter, 1889*	TP	VI
	Subfamily Cerambycinae Latreille, 1802		
62.	<i>Trichoferus campestris</i> (Faldermann, 1835)	TP	VII
63.	<i>Neocerambyx raddei</i> Blessig, 1872	EA	VII-VIII
64.	<i>Rosalia coelestis</i> Semenov, 1911	EA	VII-VIII
65.	<i>Purpuricenus sideriger</i> Fairmer, 1888	EA	VI-VII
66.	<i>Amarysius altajensis coreanus</i> (Okamoto, 1924)	EA	V-VIII
67.	<i>Amarysius sanguinipennis</i> (Blessig, 1872)	EA	VI-VIII
68.	<i>Anoplistes halodendri pirus</i> (Arakawa, 1932)	EA	VI-VII
69.	<i>Chloridolum</i> (s. str.) <i>sieversii</i> (Ganglbauer, 1887)	EA	VIII
70.	<i>Aromia orientalis</i> Plavilstshikov, 1932	EA	VI
71.	<i>Polyzonus</i> (s. str.) <i>fasciatus</i> (Fabricius, 1781)	EA	VI-IX
72.	<i>Obrium obscuripenne obscuripenne</i> Pic, 1904	EA	VI-VII
73.	<i>Obrium brevicorne</i> Plavilstshikov, 1940	EA	VI-VIII
74.	<i>Obrium cantharinum</i> (Linnaeus, 1767)	TP	VII
75.	<i>Molorchus</i> (s. str.) <i>starki</i> Shabliovskiy, 1936	EA	VI-VII
76.	<i>Molorchus</i> (s. str.) <i>ishiharai</i> Ohbayashi, 1936 ²⁾	EA	VII
77.	<i>Molorchus</i> (s. str.) <i>kobotokensis</i> Ohbayashi, 1963 ²⁾	EA	VII

Table 1. Continue

No.	Species	Type of areal	Period of flying
78.	<i>Molorchus (Caenoptera) minor</i> (Linnaeus, 1767)	TP	VI
79.	<i>Nadezhdiana villosa</i> Tsherepanov, 1976	EA	VI-VII
80.	<i>Lepteptania okunevi</i> (Shabliovsky, 1936) ⁵⁾	EA	VII
81.	<i>Rhopalopus (Prorrhopalopus) signaticollis</i> Solsky, 1872	EA	VI-VII
82.	<i>Rhopalopus (Prorrhopalopus) speciosus</i> Plavilstshikov, 1915	EA	VI-VII
83.	<i>Ropalopus (Pronocerodes) aurantiicollis</i> Plavilstshikov, 1940	EA	VI
84.	<i>Oupyrrhidium cinnabarinum</i> (Blessig, 1872)	EA	VI-VII
85.	<i>Semanotus bifasciatus</i> (Motschulsky, 1875) ²⁾	EA	VII
86.	<i>Callidium</i> (s. str.) <i>violaceum</i> (Linnaeus, 1758)	TP	V-VII
87.	<i>Phymatodes (Paraphymatodes) mediofasciatus</i> Pic, 1933*	EA	VI-VII
88.	<i>Phymatodes (Phymatodellus) infasciatus</i> Pic, 1935	EA	VI
89.	<i>Phymatodes (Poecilium) maacki</i> (Kraatz, 1879)	EA	VII
90.	<i>Aglaophis colobothooides</i> Bates, 1884	EA	VI-VII
91.	<i>Plagionotus christophi</i> Kraatz, 1879	EA	V-VI
92.	<i>Plagionotus pulcher</i> (Blessig, 1872)	EA	VI-VII
93.	<i>Teratoclytus plavilstshikovi</i> Zaitzev, 1937	EA	VI
94.	<i>Epiclytus ussuriicus</i> (Pic, 1933)	EA	VI
95.	<i>Chlorophorus (Immaculatus) similimus</i> (Kraatz, 1879)	EA	VI-VIII
96.	<i>Chlorophorus (Humeromaculatus) diadema</i> (Motschulsky, 1854)	EA	VI-VIII
97.	<i>Chlorophorus (Humeromaculatus) motschulskyi</i> (Ganglbauer, 1887)	EA	VI-VIII
98.	<i>Rhabdoclytus acutivittis</i> (Kraatz, 1879)	EA	VI-VII
99.	<i>Rhaphuma diminuta diminuta</i> (Bates, 1873)	EA	V-VII
100.	<i>Rhaphuma gracilipes</i> (Faldermann, 1835)	TP	VI-VIII
101.	<i>Xylotrechus</i> (s. str.) <i>rufilius</i> Bates, 1884	EA	VI-VII
102.	<i>Xylotrechus</i> (s. str.) <i>ibex</i> (Gebler, 1825)	TP	VI-VII
103.	<i>Xylotrechus</i> (s. str.) <i>cuneipennis</i> (Kraatz, 1879)	EA	VII-VIII
104.	<i>Xylotrechus</i> (s. str.) <i>hircus</i> (Gebler, 1825)	EP	VI-VII
105.	<i>Xylotrechus (Rusticoclytus) adpersus</i> (Gebler, 1830)	EP	VI-VII
106.	<i>Xylotrechus (Rusticoclytus) rusticus</i> (Linnaeus, 1758)	TP	VI-VII
107.	<i>Brachyclytus singularis</i> Kraatz, 1879	EA	V-VII
108.	<i>Clytus</i> (s. str.) <i>nigritulus</i> Kraatz, 1879	EA	VI-VIII
109.	<i>Clytus</i> (s. str.) <i>raddensis</i> Pic, 1904	EA	VI-VII
110.	<i>Cyrtoctylus capra</i> (Germar, 1824)	TP	VI-VIII
	Subfamily Lamiinae Latreille, 1825		
111.	<i>Moechotypa diphysis</i> (Pascoe, 1871)	EA	VI-VII
112.	<i>Mesosa</i> (s. str.) <i>myops</i> (Dalman, 1817)	TP	VI-VII
113.	<i>Mesosa (Perimesosa) hirsuta continentalis</i> Hayashi, 1964	EA	VII-IX
114.	<i>Acalolepta ussurica</i> (Plavilstshikov, 1951) ⁵⁾	EA	VII
115.	<i>Astynoscelis degener</i> (Bates, 1873)	EA	VI-VII
116.	<i>Monochamus</i> (s. str.) <i>guttulatus</i> Gressitt, 1951	EA	V-VIII
117.	<i>Monochamus</i> (s. str.) <i>saluarius</i> Gebler, 1930	TP	VI

Table 1. Continue

No.	Species	Type of areal	Period of flying
118.	<i>Monochamus</i> (s. str.) <i>sutor pellio</i> (Germar, 1818)	TP	VI-VII
119.	<i>Monochamus</i> (s. str.) <i>urussovii</i> (Fischer von Waldheim, 1805)	TP	V-IX
120.	<i>Lamiomimus gottschei</i> Kolbe, 1886	EA	VI-VII
121.	<i>Lamia textor</i> (Linnaeus, 1758)	TP	VI-VII
122.	<i>Olenecamptus riparius</i> Danilevsky, 2011	EA	VII
123.	<i>Olenecamptus octopustulatus</i> Motschulsky, 1860	EA	VI-VII
124.	<i>Pterolophia</i> (s. str.) <i>maacki</i> Blessig, 1873	EA	VII
125.	<i>Pterolophia</i> (s. str.) <i>angusta multinotata</i> Pic, 1931	EA	VI-VIII
126.	<i>Egesina</i> (<i>Nijimaia</i>) <i>bifasciana bifasciana</i> (Matsushita, 1933)	EA	VII-VIII
127.	<i>Asaperda stenostola</i> Kraatz, 1873	EP	VII
128.	<i>Xylariopsis mimica</i> Bates, 1884 ³⁾	EA	VII
129.	<i>Rhopaloscelis unifasciata</i> Blessig, 1873	EA	V-VII
130.	<i>Arhopaloscelis bifasciata</i> (Kraatz, 1879)	EA	VI-VII
131.	<i>Quasimesosella ussuriensis</i> (Tsherepanov, 1983) ⁵⁾	EA	VII
132.	<i>Sophronica sundukovi</i> Danilevsky, 2009 ²⁾	EA	VI
133.	<i>Anaesthetis confossicollis</i> Beckmann, 1903 ¹⁾	EA	VII
134.	<i>Ussurella napolovi</i> (Danilevsky, 1995) ⁵⁾	EA	VII
135.	<i>Mimectatina divaricata divaricata</i> (Bates, 1884) ⁶⁾	EA	VII
136.	<i>Pogonocherus</i> (s. str.) <i>dimidiatus</i> Blessig, 1873	EA	V-VII
137.	<i>Aegomorphus clavipes</i> (Schrank, 1781)	TP	V-VIII
138.	<i>Oplosia suvorovi</i> (Pic, 1914)	EA	VII
139.	<i>Rondibilis schabliovskiyi</i> (Tsherepanov, 1982) ⁵⁾	EA	VII
140.	<i>Leiopus stillatus</i> Bates, 1884	EA	VI-VIII
141.	<i>Leiopus albivittis albivittis</i> Kraatz, 1879	EP	VI-VIII
142.	<i>Acanthocinus</i> (s. str.) <i>sachalinensis</i> Matsushita, 1933	EA	VI-VII
143.	<i>Acanthocinus</i> (s. str.) <i>aedilis</i> (Linnaeus, 1758)	TP	VI-VII
144.	<i>Miaenia</i> (s. str.) <i>maritima</i> Tsherepanov, 1979	EA	VII
145.	<i>Exocentrus marginatus</i> Tsherepanov, 1973	EA	VI-VIII
146.	<i>Exocentrus guttulatus ussuricus</i> Tsherepanov, 1973	EA	VI-VIII
147.	<i>Exocentrus stierlini</i> Ganglbauer, 1884 ⁵⁾	EA	VII
148.	<i>Tetrops rosarum</i> Tsherepanov, 1975	EA	VI-VII
149.	<i>Eutetrappa metallescens</i> (Motschulsky, 1860)	EA	VI-VIII
150.	<i>Eutetrappa sedecimpunctata sedecimpunctata</i> (Motschulsky, 1860)	EA	V-VIII
151.	<i>Saperda</i> (<i>Lopezcolonia</i>) <i>alberti</i> Plavilstshikov, 1915	EP	VI-VII
152.	<i>Saperda</i> (<i>Lopezcolonia</i>) <i>octomaculata</i> Blessig, 1873	EP	VI-VII
153.	<i>Saperda</i> (<i>Lopezcolonia</i>) <i>subobliterata</i> Pic, 1910	EA	VI-VII
154.	<i>Saperda</i> (<i>Lopezcolonia</i>) <i>perforata</i> (Pallas, 1773)	EA	VI-VIII
155.	<i>Saperda</i> (<i>Lopezcolonia</i>) <i>interrupta</i> Gebler, 1825	EP	VII
156.	<i>Saperda</i> (s. str.) <i>carcharias</i> (Linnaeus, 1758)	EA	VI-VII
157.	<i>Saperda</i> (<i>Compsidia</i>) <i>populnea balsamifera</i> (Motschulsky, 1860)	EP	VI
158.	<i>Menesia flavotecta</i> Heyden, 1886	EA	VI-VII

Table 1. Continue

No.	Species	Type of areal	Period of flying
159.	<i>Menesia sulphurata</i> (Gebler, 1825)	EP	VI-VIII
160.	<i>Menesia albifrons</i> Heyden, 1886 ⁵⁾	EA	VII
161.	<i>Eumecocera callosicollis</i> (Breuning, 1943)	EA	VI-VII
162.	<i>Eumecocera impustulata</i> (Motschulsky, 1860)	EA	VI-VIII
163.	<i>Thyestilla gebleri</i> (Faldermann, 1835)	EA	VI-VII
164.	<i>Oberea</i> (s. str.) <i>oculata</i> (Linnaeus, 1758)	EA	VII
165.	<i>Oberea</i> (s. str.) <i>heyrovskyi</i> Pic, 1927	EA	VI-VII
166.	<i>Oberea</i> (s. str.) <i>depressa</i> (Gebler, 1825) ¹⁾	EA	VII
167.	<i>Oberea</i> (s. str.) <i>vittata</i> Blessig, 1873	EA	VI-VIII
168.	<i>Oberea</i> (s. str.) <i>morio</i> Kraatz, 1879	EA	VI-VII
169.	<i>Nupserha alexandrovi</i> (Plavilstshikov, 1915)	EA	VI-VII
170.	<i>Nupserha marginella marginella</i> Bates, 1873	EA	VII
171.	<i>Phytoecia</i> (<i>Cinctophytoecia</i>) <i>cinctipennis</i> Mannerheim, 1849	EP	V-VI
172.	<i>Phytoecia</i> (<i>Cinctophytoecia</i>) <i>sareptana</i> Ganglbauer, 1888 ¹⁾	EA	VI-VII
173.	<i>Phytoecia</i> (s. str.) <i>rufiventris</i> Gautier, 1870	EA	VI-VII
174.	<i>Pseudocalamobius japonicus</i> (Bates, 1873)	EA	VI
175.	<i>Agapanthia</i> (<i>Amurobia</i>) <i>amurensis</i> Kraatz, 1879	EA	VI-VII
176.	<i>Agapanthia</i> (<i>Epopetes</i>) <i>daurica</i> Ganglbauer, 1884	EA	VI-VII

Notes. (*) – species firstly recorded from Ussuri Nature Reserve; 1) find in Taiga-Mountain Station near the reserve border; 2) recorded from reserve (Samoilov, 1936); 3) recorded from reserve (Danilevsky, 2012); 4) find in Kamenyska village near the reserve border; 5) recorded from reserve (Cherepanov, 1979, 1981–1984); 6) recorded from reserve (Miroshnikov, 1989). Type of areal: TP – Transpalaeartic, ET – Eastpalaeartic, EA – East Asian. Period of flying: V – May, VI – June, VII – July, VIII – August, IX – September.

CONCLUSION

One hundred seventy-six species belonging to 107 genera of the family Cerambycidae and one species belonging to the family Disteniidae are recorded from the Ussuri Nature Reserve. The most diverse subfamilies of the family Cerambycidae are Lamiinae (66 species in 38 genera), Lepturinae (50 species in 31 genera) and Cerambycinae (49 species in 30 genera). Less diverse subfamilies are Spondylidinae (7 species in 5 genera), Prioninae and Necydalinae (2 species in 1 or 2 genera for each of the last two subfamilies) (Table 1). Two species, namely *Tetropium gracilicorne* Reitter, 1889 and *Phymatodes* (*Paraphymatodes*) *mediofasciatus* Pic, 1933, are firstly recorded from the Ussuri Nature Reserve. Some longicorn beetles revealed in the nature reserve, *Callipogon relictus* (Fig. 1) and *Rosalia coelestis* (Fig. 2), are listed in the Red Data Book of the Russian Federation (2001). Both in the nature reserve and its buffer zone, *Callipogon relictus* prefers to dwell in Siberian elm groves in the Komarovka and Suvorovka river valleys. Over the past decade, this species has been detected in the Ussuri Nature Reserve every year. Mass emergence of this species takes place every 3–4 years due to the multiyear life cycle. The species population is stable, on average comprising 1 individual per 10 km of the survey route in suitable habitats. The species is detected much less frequently in the buffer zone and the adjacent area (Kuprin & Bezbodov, 2012; Kuprin *et al.*, 2014). *Rosalia coelestis* occurs in broad-leaved and coniferous broad-leaved forests, mostly

in the Komarovka River basin. Since the species is ecologically confined to dry maple forest stands (predominantly *Acer tegmentosum*), its population is very small. Only four *R. coelestis* beetles have been found in the nature reserve over the past 16 years. The species is also extremely rare outside the Ussuri Nature Reserve, in the Russian section of its habitat; only individual findings have been reported (The Red Data Book..., 2001, 2005).



Figs. 1, 2. Imago of the longicorn beetles found in the Ussuri Nature Reserve, Primorskii krai, Russia. 1 – *Callipogon relictus* (photo by A. Kotliar); 2 – *Rosalia coelestis* (photo by M. Maslov).

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