

## A new species of *Catops* Paykull (Coleoptera, Leiodidae, Cholevinae) of the South Altai

### Новый вид *Catops* Paykull (Coleoptera, Leiodidae, Cholevinae) с Южного Алтая

V.K. Zinchenko  
В.К. Зинченко

Siberian Zoological Museum, Institute of Systematics and Ecology of Animals, Russian Academy of Sciences, Siberian Branch, Frunze str. 11, Novosibirsk 630091 Russia. E-mail: mu4@eco.nsc.ru.

Сибирский зоологический музей, Институт систематики и экологии животных СО РАН, ул. Фрунзе 11, Новосибирск 630091 Россия.

**Key words:** Coleoptera, *Catops*, Cholevinae, South Altai, new species.

**Ключевые слова:** Coleoptera, *Catops*, Cholevinae, Южный Алтай, новый вид.

**Abstract.** A new species of the genus *Catops* from South Altai, Kazakhstan is described. The new species *Catops markakoliensis* Zinchenko, **sp.n.** is similar to *Catops morio* (Fabricius, 1792) and *C. alsiosus* (Horn, 1885). The habitus and male genitalia of the new species are illustrated.

**Резюме.** Дано описание нового вида малого падального жука рода *Catops* с Южного Алтая, Казахстан. Новый вид *Catops markakoliensis* Zinchenko, **sp.n.** близок к *Catops morio* (Fabricius, 1792) и *C. alsiosus* (Horn, 1885). Приведены фотографии внешнего вида и гениталий самца.

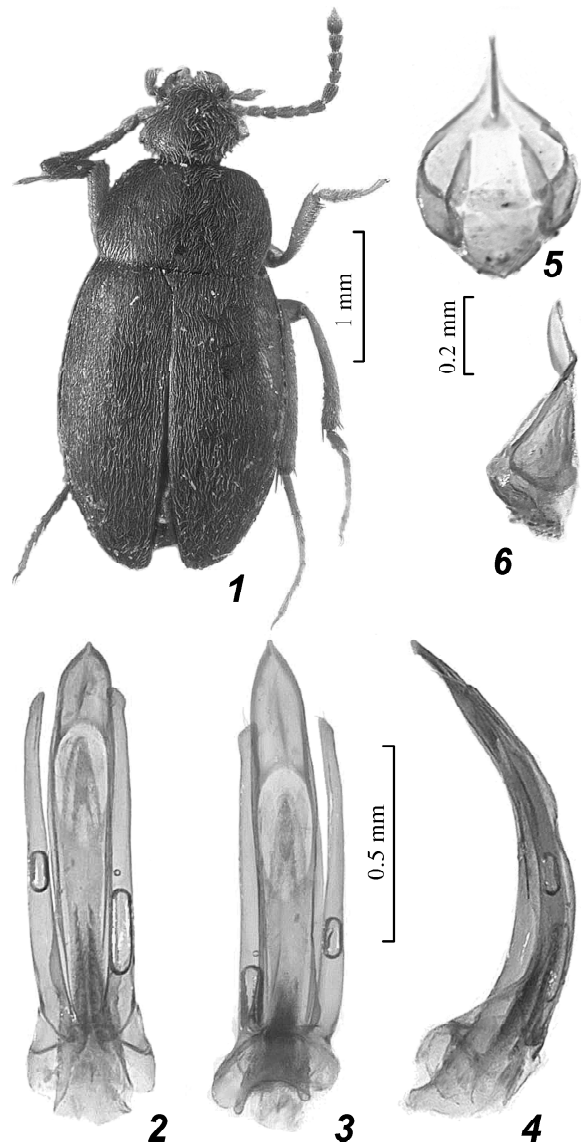
The fauna of the small carrion beetles of sub-family Cholevinae is still poorly known from the territory of Siberia and Kazakhstan. According to all available information [Zinchenko, 2009, 2010] the fauna of the Altai totals 22 species, 17 of which are recorded from the Kazakhstan Altai. As a result of research a new species of *Catops* has been found amongst material deposited in the Siberian Zoological Museum, Institute of Animal Systematics and Ecology, Russian Academy of Sciences (Novosibirsk). This species is described below; the holotype has been deposited in the Siberian Zoological Museum.

#### *Catops markakoliensis* Zinchenko, **sp.n.**

Figs 1–6.

**Material.** Holotype, ♂, Vostochnyi Kazakhstan, Kurchumskii District, SW Altai Mts., Kurchumskii Mountain range, Topolyovka, mixed forest, 6.07.1997, R. Dudko, V. Zinchenko leg.

**Материал.** Голотип, ♂, Восточный Казахстан, Курчумский р-н, ЮЗ Алтай, Курчумский хр., р. Тополёвка, смешанный лес, h-1600 м, 6.07.1997, Р. Дудко, В. Зинченко leg.



Figs 1–6. *Catops markakoliensis* sp.n., holotype: 1 — habitus; 2–4 — genitalia, ventral view (2), dorsal view (3), lateral view (4); 5–6 — genital segment, dorsal view (5), lateral view (6).

Рис. 1–6. *Catops markakoliensis* sp.n., голотип: 1 — общий вид; 2–4 — гениталии, вид снизу (2), вид сверху (3), вид сбоку (4); 5–6 — генитальный сегмент, вид сверху (5), вид сбоку (6).

**Description.** ♂, length of body 4 mm. Body elliptic, uniformly reddish brown (Fig. 1). Legs, 1–6<sup>th</sup> segments of antennae, maxillary palps light-brown. Antennal club weakly infuscated. Dorsally with long yellow setae.

Head 1.87 times narrower than pronotum, strongly shagreened and superficially punctate. Distance between punctures slightly less or equal to puncture diameter. Eyes slightly convex (dorsal view), 11 times narrower than width of frons. Last segment of maxillary palpus conical, 1.25 times shorter than penultimate.

Antennae symmetric, with weakly expanded antennal club and elongated (except for 8 and 10) segments. Proportions of antennal segments (I to XI, length x maximum width): 13x9, 10x5, 10x6, 11x6, 9x5.5, 9x7, 12x8, 6x8, 10x9, 10x10, 14x7.

Pronotum weakly convex, 1.56 times wider than long, with the greatest width after the middle. Proportion of the maximal width to width at the base = 59:52. Pronotum from middle sides gently curved anteriorly to broadly rounded anterior angles; behind middle sides straight but converging to base. Anterior margin narrow than posterior. Hind angles obtuse. Hind margin of straight. Puncturation scattered, punctures superficial, intervals shagreened.

Elytra weakly curved in anterior half and more so in the second, 1.4 times longer than wide, 1.9 times longer and almost 1.2 times wider than pronotum. The greatest width in the middle. Apex rounded. Puncturation superficial. Surface weakly shagreened.

Profemora with convex surface, especially in the middle and without tubercle. Protibiae abruptly from base widened internally from middle, almost 6 times longer than wide. Protarsi widened, almost 4.4 times shorter than tibiae and of equal width. 1st segment of mesotarsi 2 times wider than the second. Mesotibiae curved. Metatibia straight, 1.3 times longer than metatarsi.

Aedeagus long and flat, lanceolate at apex. Apex median lobe flattened and rounded smoothly with small tubercle. Parameres thick, their apices approximately 1/5 the length of median lobe, apices of parameres wide, slanted and with two short setae (Figs 2–4). Genital segment as on Figs 5, 6.

**Differential diagnosis.** The new species *Catops markakoliensis* sp.n. belongs to the *C. morio* species group. The new species can be distinguished from all known species of this genus as follows: the coloration of antennal segments and general shape of parameres. *Catops markakoliensis* sp.n. can be separated from *Catops morio* (F.) and *C. alsiosus* (Horn) by the coloration of elytra and pronotum.

**Дифференциальный диагноз.** Новый вид относится к группе *C. morio*. Отличается от известных видов рода цветом антеннальных сегментов и формой эдеагуса и парамер. От близких видов *Catops morio* (F.) and *C. alsiosus* (Horn) новый вид отличается также цветом надкрылий и переднеспинки.

**Etymology.** The species name is based on the type locality, the Markakol' lake.

**Distribution.** The species is known only from the type locality — Markakolsky State Nature Reserve, South Altai, Republic of Kazakhstan.

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