

**A NEW SUBSPECIES OF *CARABUS*
(*MORPHOCARABUS*) *VENUSTUS* MORAWITZ, 1862
(COLEOPTERA, CARABIDAE)
FROM FURUGELMA ISLAND**

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ABSTRACT: A new subspecies of *Carabus (Morphocarabus) venustus*: *Carabus (Morphocarabus) venustus furugelmensis* ssp. n. is described from Furugelma Island (South Ussuri). Diagnostic data are given. The collections in which holotypes of taxa described by me earlier was deposited are specified.

KEY WORDS: Coleoptera, Carabidae, *Carabus (Morphocarabus) venustus*, new subspecies, South Ussuri, Furugelma Island.

Carabus (Morphocarabus) venustus Morawitz, 1862 has been described from Eastern Siberia, Amur Region: Bureinsky Mt. Ridge. The species is distributed in Southern Amur Region, southern Khabarovsk Region, South Ussuri, North Korea and north-eastern China. The beetles occur in the forested area.

Population of *Carabus venustus* from Furugelma Island (South Ussuri) is rather peculiar morphologically, not connected with a continental population and are represented by separate subspecies.

The descriptions of *Carabus (Morphocarabus) venustus furugelmensis* ssp. n. is given below.

DESCRIPTION

***Carabus (Morphocarabus) venustus furugelmensis* ssp. n.**
(Figs 1,2).

Holotype: male with label: "Furugelma Island, June 1968, Nikolaev"

Papatypes: male and 3 females, same data and same locality.

The holotype and paratypes are preserved in the collection of the State Museum of Biology (Moscow, Russia).

Body length in males is 19.0 - 22.2 mm (including mandibles), width 6.7 - 7.5 mm; body length in females is 21.0 - 22.5 mm, width 7.2 - 8.0 mm.

Head not thickened, ratio width of pronotum/width of head 1.94; eyes strongly convex; mandibles relatively broad, strongly incurved; terebral tooth of the right and left mandibles bi-dentate, strongly prominent; retinaculum of the left mandible small, retinaculum of the right mandible bigger, more prominent; surface of mandibles smooth. Frontal furrows shallow, inside with coarse wrinkles. Frons, vertex and neck with coarse wrinkles and punctures. Labrum wider than clypeus, moderately notched, without lateral setae. Antenna long, protruding beyond the base of pronotum by 4-5 apical segments; palpi slightly dilated; penultimate segment of the maxillary palpi longer than the last segment; penultimate segment of the labial palpi with 2 setae. Mentum tooth triangular, small, much shorter than lateral lobes; submentum with 2 setiferous pores.

Prothorax transverse, cordiform, broadest at about middle; ratio width/length 1.29. Pronotum with dense coarse punctures and wrinkles. Median longitudinal line distinct; basal foveae very small, inside coarsely-wrinkled. Sides of pronotum narrowly margined; lobes of hind angles evenly rounded, relatively short. Lateral margin with 2 setiferous pores: one pore at about middle and one pore near hind angle.

Elytrae oblong-oval, slightly convex, widest at about middle; shoulders slightly prominent; sides of elytrae narrowly margined. Ratio length/width 1.71; ratio width of elytrae/width of pronotum 1.48. Elytral sculpture pentaploid, homodynamous; all elytral interspaces slightly convex, about equally developed. Primary foveoles big, not deep; striae coarsely punctured.

Metepisternum smooth, not longer than its width. Abdominal sternites smooth; sternal sulci absent.

Legs long; fore male tarsi with four dilated segments bearing hairy pads.

Shape of aedeagus and endophallic structure in general is characteristic for the species.

Coloration black; elytrae with weak bronze lustre.

Differential diagnosis. The new subspecies differs from *C. venustus venustus* by the following features: sculpture of head and pronotum more rough; prothorax less cordiform; elytrae narrower, less convex; elytral sculpture homodynamous, all elytral interspaces slightly convex, about equally developed (in *C. venustus venustus* elytral sculpture more rough, tertiaries elytral interspaces usually less convex). Coloration of elytrae of the new subspecies black, dim; legs black (in *C. venustus venustus* elytrae usually bright bronze, legs often reddish-brown).

Distribution. South Ussuri, Furugelma Island.

Habitat. Probably the beetles were collected in the forested area.

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Remarks. The holotypes of taxa described by me earlier are deposited in the following collections: *Carabus (Morphocarabus) regalis eltoni* ssp. n. and *Carabus (Carabus) arvensis klitini* ssp. n. are deposited in the collection of Zoological Museum of Moscow Lomonosov State University (Moscow, Russia); the holotypes of *Carabus (Carabulus) obovatus taizhensis* ssp. n., *Carabus (Ainocarabus) kolbei urupiensis* ssp. n., *Carabus (Morphocarabus) hummeli biamensis* ssp. n., *Carabus (Morphocarabus) hummeli vladobydovi* ssp. n., *Carabus (Diocarabus) bargusinensis* sp. n., *Carabus (Carabus) billbergi siolinicus* ssp. n. and *Carabus (Carabus) arvensis kargiensis* ssp. n. are deposited in the collection of the State Museum of Biology (Moscow, Russia).

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Figures 1. *Carabus (Morphocarabus) venustus furugelmensis* ssp. n. (Holotype) 2. *Carabus (Morphocarabus) venustus furugelmensis* ssp. n. (Paratype).