Description of a new Hypothenemus Westwood, 1834 species (Coleoptera: Curculionidae: Scolytinae) from South of Primorskiy Kray of Russia and South Korea

Описание нового вида рода Hypothenemus Westwood, 1834 (Coleoptera: Curculionidae: Scolytinae) с юга Приморского края России и из Южной Кореи

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KEY WORDS: Coleoptera, Curculionidae, Scolytinae, Hypothenemus, bark beetles, taxonomy, Russia, South Korea.

ABSTRACT. A new species of Hypothenemus Westwood, 1834, H. margaritae sp.n. is described from south of Primorskiy kray of Russia and South Korea.

РЕЗЮМЕ. Описывается новый вид рода Hypothenemus Westwood, 1834, H. margaritae sp.n. с юга Приморского края России и из Южной Кореи.

The bark beetles are a constant part of the forest communities participating in the trees decay. The majority of species of Scolytinae inhabits the branches and stems of the host trees, less frequently fruit shells and leaf petioles or stems of herbaceous plants [Kirkendall et al, 2015; Petrov, 2017; Wood, 1982].

Tribe Cryphalini Lindemann, 1877 unites in Russia eight genera of Scolytinae: Alernoporus Kurentsov, 1941, Cryphalus Eichson, 1836, Eidophelus Eichhoff, 1876, Erinoporius Berger, 1917, Erinoporus Thomson, 1859, Hypothenemus Westwood, 1834, Procryphalus Hopkins, 1915, Trpyophloeus Fairmaire, 1864 [Berger, 1917; Krivolutskaya, 1958, 1996; Kurentsov, 1941; Salnitskaya, Mandelshtam, 2015; Stark, 1952].

The genus Hypothenemus Westwood, 1834 is one of the speciose genera of tribe Cryphalini Lindemann, 1877 (Coleoptera, Curculionidae, Scolytinae), common in tropical and subtropical areas. The genus Hypothenemus includes more than 180 recent species [Bright, 1992]. Several hundred Hypothenemus species from different tropical and subtropical areas were described in entomological literature, but a majority of them are now in synonymy [Wood, 1986].

Most Hypothenemus species are tiny (length 0.6–2.0 mm), few species exceeds 2.0 mm (2.1–2.8 mm). A “big” species of Hypothenemus, H. margaritae is described from southernmost Primorskiy Kray of Russia and South Korea.

The characteristic features of the genus Hypothenemus include the following: 1) an emarginated eye; 2) antennal funicle 3- to 5-segmented; 3) antennal club with partly septate suture 1, suture 2 procurved and marked by setae; 4) basal and posterolateral margins of the pronotum with fine raised line; 5) rather abundant vestiture, usually including scales; 6) flightless males of reduced size [Vega et al, 2015; Westwood, 1834; Wood, 1982; 1986; 2007]. Species of Hypothenemus are distinguished from Scolytogenes Eichhoff, 1878 by the presence of procurved suture 2 marked by setae, by the vestiture that consists of rows of interstitial scales and rows of recumbent strial setae [Bright, 1992; Vega et al, 2015].

Recently second author has collected a series of Hypothenemus beetles in southern parts of Primorskiy Kray. Besides, six specimens of this species from South Korea were found in Research Institute of Forest Insect Diversity collection (Namyangju, South Korea).

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Hypothenemus margaritae Petrov and Shamaev, sp.n.
Figs 1–7.

MATERIAL. Holotype, ♂ (ZMM): RUSSIA: South Primorsky Kray Khasan District, 10 km N from Kraskino, beetle raised from larvae, 7.I.2018, A.V. Shamaev; Paratypes: same place, but emerged from 1.I.2018 till 2.V.2018, 20♀ (in APP and VNIIKR collection,

Photographs of beetles were taken using a Canon 5D camera and macro lens MP-E6.5, and processed using the program CombineZP.

Figs 1–7. Habitus and details of *Hypothenemus margaritae* sp.n., females: 1–4 — habitus; 5 — head; 6 — antenna; 7 — elytral declivity; 2 — holotype; 1, 4–7 — paratypes from South Primorie, Russia; 3 — paratype from South Korea; 1–2, 4–7 — photographs of A.V. Petrov; 3 — photograph of S. Park.
**Description of a new Hypothemenus species**

Along with the described species of bark beetle the branches were inhabited by *Phymatodes (Poecilium) ermolkenoi* Tsherepanov, 1980 (*Cerambycidae*) and *Agrilus viridis* L. (*Buprestidae*).

**ETYMOLOGY.** The new species is named in honor of A.V. Shamaev’s daughter Margarita Shamaeva.

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