

UDC 595.768.23(477.41)

DOI: 10.36016/KhESG-2020-28-2-2

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## NEW RECORDS OF *PARAMEIRA SETOSA* SEIDLITZ, 1868 (COLEOPTERA: CURCULIONIDAE: ENTIMINAE) IN UKRAINE

Назаренко, В. Ю. Нові знахідки *Parameira setosa* Seidlitz, 1868 (Coleoptera: Curculionidae: Entiminae) в Україні. *Вісті Харківського ентомологічного товариства*. 2020. Т. XXVIII, вип. 2. С. 26–28. DOI: 10.36016/KhESG-2020-28-2-2.

Наведено відомості про першу знахідку *Parameira setosa* в Київській області. Раніше цей вид був відомий в Україні лише з Одеської та Сумської областей. 4 рис., 5 назв.

**Ключові слова:** Coleoptera, Curculionidae, Entiminae, *Parameira setosa*, жуки, довгоносики, Україна, Київська область, фауна.

Назаренко, В. Ю. Новые находки *Parameira setosa* Seidlitz, 1868 (Coleoptera: Curculionidae: Entiminae) в Украине. *Известия Харьковского энтомологического общества*. 2020. Т. XXVIII, вып. 2. С. 26–28. DOI: 10.36016/KhESG-2020-28-2-2.

Приводится информация о первой находке *Parameira setosa* в Киевской области. Раньше этот вид был известен в Украине только из Одесской и Сумской областей. 4 рис., 5 назв.

**Ключевые слова:** Coleoptera, Curculionidae, Entiminae, *Parameira setosa*, жуки, долгоносики, Украина, Киевская область, фауна.

Nazarenko, V. Yu. New records of *Parameira setosa* Seidlitz, 1868 (Coleoptera: Curculionidae: Entiminae) in Ukraine. *The Kharkov Entomological Society Gazette*. 2020. Vol. XXVIII, iss. 2. P. 26–28. DOI: 10.36016/KhESG-2020-28-2-2.

The first record of *Parameira setosa* in Kyiv Region is published. The species was known formerly from Odesa and Sumy regions only.

4 figs, 5 refs.

**Keywords:** Coleoptera, Curculionidae, Entiminae, *Parameira setosa*, beetles, weevils, Ukraine, Kyiv Region, fauna.

**Introduction.** Weevils of the genus *Parameira* Seidlitz, 1868 are rare in collections and poorly known because of rare occurrence, hidden life cycle in soil or in plant debris, cryptic coloration and slowness of adults. *Parameira (Stierlinia) setosa* Seidlitz, 1868 has been recorded from Odesa and Sumy regions of Ukraine (Yunakov, 2004; Yunakov *et al.*, 2018) (Fig. 4, grey triangle).

**Materials and methods.** Six specimens of this species were picked by the author from ground (Figs 2, 3) in 2020 in Kyiv Region (Ukraine). The taxonomy accepted here is that in Alonso-Zarazaga *et al.* (2017). GPS coordinates were captured with smartphone ZTE Blade A7 using Geo-Tracker v. 4.0.2.1750 (25.08.2019) application for Android and GARMIN Etrex 32x. The photographs of preserved specimen (Fig. 1) were taken using Leica M165C microscope equipped with Leica DFC450C and in the field using Canon PowerShot A480 digital camera and ZTE Blade A7, then edited with GIMP v. 2.8.4 and Inkscape v. 0.48.4 r9939. Mapping was done using modified relief Ukraine map (<https://www.maps-of-the-world.ru/europe/ukraine/large-relief-map-of-ukraine>). Specimens are deposited in the I. I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine (SIZK).

### Results and discussion.

#### Family CURCULIONIDAE

#### Subfamily ENTIMINAE

#### Genus *Parameira* Seidlitz, 1868

#### Subgenus *Stierlinia* Desbrochers des Loges, 1909

#### *Parameira (Stierlinia) setosa* Seidlitz, 1868

**References.** Yunakov, 2004; Alonso-Zarazaga *et al.*, 2017; Yunakov *et al.*, 2018.

**Material.** Kyiv Region: Baryshivka env., side of the road (50.294815, 31.325610) sandy ground surface under vegetal plants in plant debris, 24.06.2020 (V. Nazarenko) — 1 ♂ (SIZK) (Figs 1–3, 4, grey circle); *idem* (50.294811, 31.325594), 01.07.2020 — 1 ?♂; *idem* (50.294815, 31.325610) — 2 ♀♀; *idem* (50.294811, 31.325591), 09.07.2020 — 1 ?♂; *idem* (50.294612, 31.325637), 02.08.2020 — 1 ?♂.

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Received 15.10.2020

Accepted 12.11.2020 by Dr. N. N. Yunakov

Published 21.12.2020

**Distribution.** Bulgaria, Greece, Moldova, Romania, Turkey, Ukraine (Alonso-Zarazaga *et al.*, 2017). Records in Ukraine: Odesa Region: Viktorivka railway station; Serhiivka env.; Kotlovyna; Chervony Yar, near Kytai Lake; Sumy Region: Mykhailivska Tsilyna Nature Reserve (Yunakov *et al.*, 2018; Fig. 4, grey triangles); Kyiv Region (original data, Fig. 4, grey circle).



Fig. 1. *P. setosa*, ♂ and median lobe: dorsal and lateral view.



Fig. 2. *P. setosa* on the ground.



Fig. 3. The habitat of *P. setosa*.

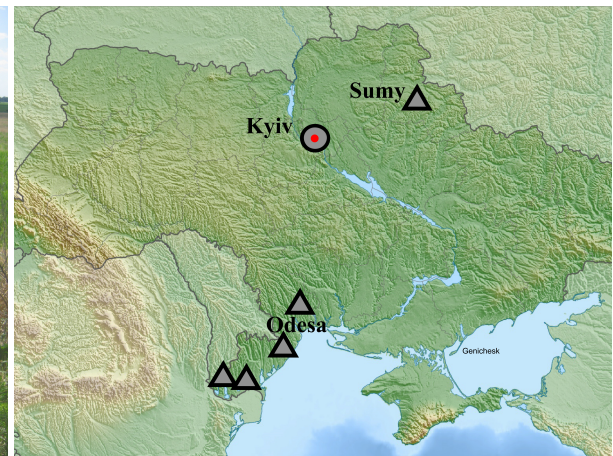


Fig. 4. Findings of *P. setosa* in Ukraine:  
○ — exact position, △ — cited locations.

**Ecology.** On grassy slopes, steppes, in grass litter. Adults occur from April to November. Polyphagous (Yunakov, 2004; Yunakov *et al.*, 2018). It is supposed that adult *Parameira* weevils are feeding on the leaves or plant debris (Isaev *et al.*, 2004; Yunakov, 2004; Zabaluev, 2019). *In vitro* imago fed on leaves and especially



flowers of *Trifolium repens* L. This plant was not found in the discovered natural habitat of *P. setosa* and corresponding traces of feeding on surrounding plants were not observed here.

**Remarks.** The finding of specimens from Baryshivka environs partly is filling the gap between previous records in southern-western and northern-eastern parts of Ukraine (Yunakov, 2004; Yunakov *et al.*, 2018). It is possible that an accidental introduction of the species with sand occurred in ca. 2016–2018. It is also likely that *P. setosa* is more widespread in Ukraine without being noticed due to its very local distribution. A remarkable notice is that the species inhabits disturbed and regularly cultivated sites and mowed hayfields along sides of paved road (Fig. 3).

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