A new species of the genus Ovaliptila (Orthoptera: Gryllidae: Gryllomorphinae) from Rhodes Island, Greece

Новый вид рода Ovaliptila (Orthoptera: Gryllidae: Gryllomorphinae) с острова Родос в Греции

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Ovaliptila rhodos sp. nov. is described from Rhodes I., Greece. This species is most similar to O. buresi (Mařan) but distinguished from the latter species by some structures of the male genitalia.

С острова Родос в Греции описан Ovaliptila rhodos sp. nov. Этот вид наиболее похож на O. buresi (Mařan), но отличается от последнего вида некоторыми структурами гениталий самца.

Key words: crickets, taxonomy, Greece, Orthoptera, Gryllidae, Gryllomorphinae, Ovaliptila, new species

Ключевые слова: сверчки, таксономия, Греция, Orthoptera, Gryllidae, Gryllomorphinae, Ovaliptila, новый вид

INTRODUCTION

The genus Ovaliptila Gorochov, 2006 was described for eight species distributed in the eastern part of Northern Mediterranean (including the coasts of Black Sea) and previously (mainly) attributed to the genus Discoptila Pantel, 1890; the latter generic name was probably proposed by its author for a subadult nymph of Petaloptila Pantel, 1890, the genus containing a group of species distributed in Iberian and possibly Apennine Peninsulas (Gorochov, 2006). For a long time, Greece was considered the center of the Ovaliptila diversity, because six species were recorded only from this country (Baccetti, 1992; Gorochov & Ünal, 2012). But in the latter publication, this center was moved to Turkish Anatolia where eight species (including six species described in that paper as new to science) were discovered. The new congener described here does Greek and Turkish faunas of Ovaliptila almost equal to each other in the number of species; this circumstance possibly supports the idea about the existence (in the past) of the Balkan-Anatolian land which could be the homeland of this genus (Gorochov, 2016).

The type material of this new species is deposited in the following institutions: Zoological Museum, University of Athens, Greece (ZMUA); Zoological Institute, Russian Academy of Sciences, Saint Petersburg (ZIN). The specimens are in alcohol. The photographs of their morphological structures were made by a Leica M216 stereomicroscope.
TAXONOMIC PART

Tribe PETALOPTILINI Baccetti, 1959

Ovaliptila rhodos sp. nov.
(Figs 1–8, 13, 14)


Paratype. Male, same data as for holotype (ZIN).

Description. Male (holotype). Body medium-sized for this genus. Colouration of body uniformly light brown but with blackish eyes, whitish ocelli, dark brown narrow and interrupted ring around each ocellus, almost yellowish scapes and lower half of head as well as thoracic venter and proximal parts of legs, brown lateral and distal parts of tegmina, light greyish brown most part of each antennal flagellum as well

Figs 1–4. Ovaliptila rhodos sp. nov., male. 1, body from above; 2, 3, left tegmen, dorsal (2) and ventral (3) surfaces; 4, abdominal apex from above ( cerci missing).
as metanotum and first abdominal tegite, and slightly darker (almost greyish brown) four posterior abdominal tergites and anal plate as well as paraprocts and cerci (Figs 1, 2, 4). External structure of body typical of *Ovaliptila*: head more or less semiglobular, with scape almost twice as wide as rostrum between antennal cavities, and with ocelli moderately large and round; pronotum with more or less parallel but slightly convex lateral edges of disc, with almost straight anterior and ventral edges, and with slightly concave posterior edge (Fig. 1); tegmina scale-like (reaching almost middle of metanotum), round, not contacting with each other, with dorsal surface smooth, and with ventral surface simple (i.e. not smooth but almost flat and lacking any distinct relief or dense hairs; Figs 1–3); anal plate transversally rectangular but with a pair of rather short posterolateral lobules and wide and shallow notch between them (Fig. 4); genital plate approximately twice as long as anal plate, slightly elongated and with widely
rounded apex (Fig. 4). Genitalia (Figs 5–7) with epiphallic posterior part (having arculate sclerite) rather wide and lacking posteromedian notch, with arculate sclerite of this part moderately high and having very numerous short setae and small semimembranous spine-like median process located near posterior (dorsal) edge of this sclerite (Fig. 7), with moderately wide (long) transversal sclerite of anterior epiphallus having rather wide posteromedian notch, with endoparameres clearly fused with each other but almost not fused with rachial sclerite (endoparameres only contacting with latter sclerite; Figs 5, 6, 13), with rachis having very long and arculate (in profile) posterior spine (this spine with parallel lateral edges; Figs 5–7, 13, 14), with anterior plate of rachis rather short and having slightly concave lateral edges (length of rachial spine almost equal to distance from posterior edge of this plate to anteromedian edge of endoparameres; Figs 5, 6, 13), and with formula strongly narrowing to moderately short anterior apodeme (Figs 5, 6, 13).

Variations. Genitalia with apodemes of endoparameres and of formula somewhat varied in length (Figs 5, 8).

Female unknown.

Length in mm. Body 11–12.5; pronotum 2–2.2; tegmina 1.2–1.3; hind femora 7.7–8.

Comparison. The new species is almost indistinguishable from *O. buresi* (Mařan, 1958), distributed in the territories around Black Sea and in the western part of Anatolia, in the colouration and external structure of body, and it is most similar to the latter species in the male genitalia; however, *O. rhodos* is distinguished from *O. buresi* by the wider posterior part of epiphallus lacking any posteromedian notch, the endoparameres clearly fused with each other and almost not fused with the rachial sclerite, the rachis with the longer and less S-shaped (in profile) posterior spine having parallel sides (vs. this spine is shorter, more S-shaped and gradually narrowing to the acute apex; for comparison see Figs 5–16) and with the shorter anterior (widened) plate having slightly concave (not convex) lateral edges (in *O. rhodos*, the rachial spine and distance from the posterior edge of rachial plate to the anteromedian edge of endoparameres are almost equal to each other in the length, but in *O. buresi*, this distance is approximately 1.5 times as long as the rachial spine; see Figs 13 and 15), and the formula more strongly narrowing to distinctly shorter...

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anterior apodeme (see Figs 5, 6, 8, 10–13, 15). From *O. wettsteini* (Werner, 1934) from Ikaria I., also having the S-shaped and spine-like rachis, the new species differs in the much longer posterior rachial spine (in *O. wettsteini*, it is distinctly shorter than even in *O. buresi*). And from all the other congeners, *O. rhodos* differs in the rachis distinctly S-shaped and spine-like (i.e. with almost needle-shaped distal part of rachis), in the anterior (transverse) epiphallic sclerite clearly wider and more or less straight (not distinctly angular in the median part), or in the male tegmina without distinct cellular relief on the ventral surface.

*Remark*. Possibly, this species was recorded from Rhodes I. as *O. wettsteini* by Chopard (1967: “*Gryllomorpha wettsteini*”).

*Etymology*. The new species name is a transliteration of the Greek name of Rhodes Island (Ρόδος).

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**REFERENCES**


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