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FROM ISSIDAE TO TETTIGOMETRIDAE (HEMIPTERA: AUCHENORRHYNCHA: FULGOROIDEA): ON THE TAXONOMIC POSITION OF *ISSUS PALLIPES* LUCAS, 1853

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ABSTRACT

Originally described and previously treated as member of the family Issidae, *Issus pallipes* Lucas, 1853, is transferred to the family Tettigometridae, genus *Tettigometra* Latreille, 1804.

Key words: Crete, *Issus*, taxonomy, *Tettigometra*, new combination

ИЗ ISSIDAE В TETTIGOMETRIDAE (HEMIPTERA: AUCHENORRHYNCHA: FULGOROIDEA): О ТАКСОНОМИЧЕСКОМ ПОЛОЖЕНИИ *ISSUS PALLIPES* LUCAS, 1853

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РЕЗЮМЕ

Описанный в семействе Issidae, *Issus pallipes* Lucas, 1853, перенесен в семейство Tettigometridae, род *Tettigometra* Latreille, 1804.

Ключевые слова: Крит, *Issus*, систематика, *Tettigometra*, новая комбинация

INTRODUCTION

For the first time the name *Issus pallipes* was mentioned in 1853 in the paper concerning arthropod animals of Crete Island by P.H. Lucas who published long series of papers in “Revue et Magasin de zoologie pure et appliquée” during 1853–1854 with the same title, but concerning different taxonomic groups (orders). In particular the name *Issus pallipes* was published on the page 424 of the introductory paper issued in 1853 in 5th volume of the “Revue et Magasin...” and here (but separately from the text) was published also the figure plate of the species (Pl. 19, fig. 6, 6a) (Lucas 1853), but the description of *I. pallipes* appeared only next year on the pages 284–285 of 6th volume of the “Revue et Magasin...” in the

paper on Hemiptera where P.H. Lucas referred to the figure plate 19 mentioned above (Lucas 1854). Thus the name *I. pallipes* firstly appeared in 1853 without description, but supplied by the figure plate is valid name according to ICZN (1999, art. 12.2.7).

During more than 160 years *I. pallipes* Lucas, 1853 was listed within the genus *Issus* Fabricius, 1803 of the family Issidae Spinola, 1839 (Melichar 1906; Metcalf 1958; Nast 1972; Gnezdilov et al. 2014), but examination of the drawing of type specimen of *I. pallipes* (Lucas 1853, Pl. 19, fig. 6, 6a) gives no doubts that this species was described after 5th instar larva of some *Tettigometra* species (Fig. 1) and have to be transferred to the family Tettigometridae Germar, 1821. Interestingly that already F.-X. Fieber (1876) mentioned that *I. pallipes* is described after the larva,

but did not move the species from the genus *Issus* and Z.P. Metcalf (1942, 1958) referred to wrong paper and wrong page for the description of the species.

This is third mythical species treated previously as *Issus*, which is recently deciphered after *Issus analis* Brullé, 1833 and *I. patruelis* Stål, 1861 transferred to the genera *Zopherisca* Emeljanov, 2001 and *Semissus* Melichar, 1906 of the Issidae accordingly (Gnezdilov and Bourgoïn 2017; Gnezdilov 2017).

SYSTEMATICS

Family Tettigometridae Germar, 1821

Subfamily Tettigometrinae Germar, 1821

Tribe Tettigometrini Germar, 1821

Genus *Tettigometra* Latreille, 1804

Tettigometra pallipes (Lucas, 1853), comb. n.
(Fig. 1)

Issus pallipes Lucas, 1853: 424, pl. 19, fig. 6, 6a.

Issus pallipes Lucas, 1854: 284–285.

Notes. The species belongs to the genus *Tettigometra* according the following larval characters

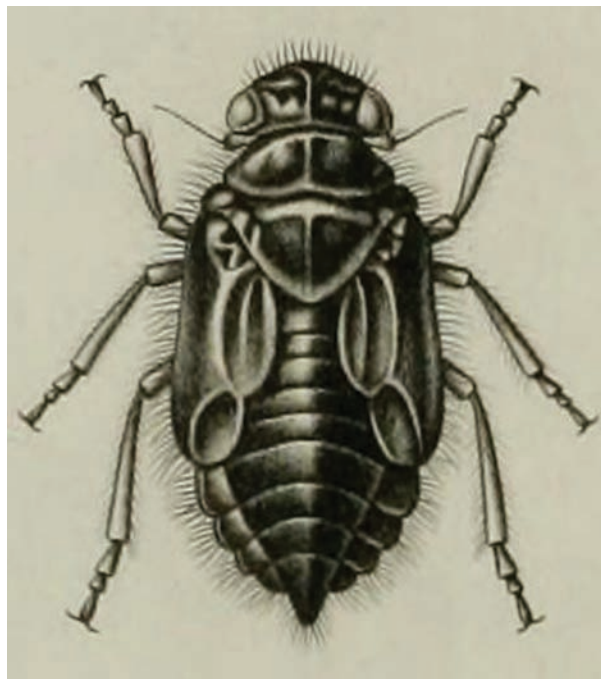


Fig. 1. *Tettigometra pallipes* (Lucas, 1853) (after Lucas 1853, modified).

(Fig. 1): the body including the pads of fore and hind wings without sensory pits, but covered by long setae; hind tibiae without lateral spines; lateral margins of coryphe diverging from its posterior margin to its anterior margin (in dorsal view); eyes are small; pedicel is well visible behind the eyes (in dorsal view). Also P.H. Lucas (1853) apparently erroneously figured fore and middle tarsi of the specimen with 3 segments which should be 2-segmented in the larva.

In the original description P.H. Lucas (1854) mentioned that the species was collected by sweeping of high grasses on the slopes of Ida Mt. in Mylopotamos Province of Crete (Greece).

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