



Fieber's original drawings and their corresponding types for the family Issidae (Hemiptera, Fulgoromorpha) in the Muséum national d'Histoire naturelle of Paris, France

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Abstract

Lectotypes are designated for 10 species described by Fieber, deposited in MNHN, Paris: *Issus climacus* Fieber, 1876, *I. frontalis* Fieber, 1876, *I. truncatus* Fieber, 1876, *I. fissala* Fieber, 1876, *Hysteropterum angulare* Fieber, 1877, *H. melanophleps* Fieber, 1877, *H. fuscovenosum* Fieber, 1877, *H. striolatum* Fieber, 1877, *H. impressum* Fieber, 1877, *Mycterodus sulcatus* Fieber, 1876. *Iberanum nuragicum* Gnezdilov & Mazzoni, 2003 is placed in synonymy under *Hysteropterum fuscovenosum* Fieber, 1877 and *Issus novaki* Dlabola 1959 under *Issus frontalis* Fieber, 1876. A new genus *Thabenula* is erected for *Mycterodus sulcatus* Fieber, 1876. Six new generic combinations are proposed: *Hysteropterum melanophleps* Fieber, 1877 is transferred to the genus *Tingissus* Gnezdilov, 2003, *Hysteropterum fuscovenosum* Fieber, 1877 to the genus *Iberanum* Gnezdilov, 2003, *Hysteropterum phaeophleps* Fieber, 1877 to the genus *Palmallorcus* Gnezdilov, 2003, *Hysteropterum striolatum* Fieber, 1877 to the genus *Tshurtshurnella* Kusnezov, 1927 and *Issus fissala* Fieber, 1876 to the genus *Thabena* Stål, 1866. Fourteen species described by Fieber are illustrated with his original drawings.

Key words: Taxonomy, nomenclature, type designation, new genus, new combination, synonymy

Introduction

During our study of the issid collection of the Muséum National d'Histoire Naturelle (Paris, France) the type specimens for ten of F.X. Fieber's species were recognised within Puton's and Noualhier-Lethierry's collections. The identification of Fieber's types became possible after comparison of the specimens with the original Fieber's descriptions and drawings that were recently rediscovered in the Paris entomological library.

F.X. Fieber (1807–1872) published 18 papers on Auchenorrhyncha between 1844 and 1885 (Metcalf, 1942). In these he described 20 issid species, 17 of which are considered valid, in two papers (translated from German to French by Ferdinand Reiber) published after Fieber's death (Fieber, 1876, 1877). All of Fieber's publications concerned the European fauna. However, after examination of the type specimens of *Issus fissala* Fieber, 1876 and *Mycterodus sulcatus* Fieber, 1876 it was clear that these species belong to the Oriental fauna. It is still an open question how this material came to Fieber and why these two species were recorded from Europe.

Redefinition of Fieber's species was started by Dlabola who figured (Dlabola, 1980, figs 200–207) and accordingly validated the male lectotype for *Hysteropterum suturale* Fieber, 1877 (as *Bubastia suturale*) designated in NMW. Gnezdilov (2003) has recognised the holotype by monotypy for *Hysteropterum nervosum* Fieber, 1877 (as *Kervillea nervosa*) which was described based on a female from Southern Europe within Ullrich's Collection in NMW. Recently Holzinger, Kammerlander & Nickel (2003) designated the lectotype for *Hysteropterum bilobum* Fieber, 1877 (as *Agalmatium bilobum*) in PC.

Kerzhner & Matocq (1994) discovered that Fieber's specimens of Heteroptera in Puton's and Noualhier's collections are usually labelled by a green square. It is important to note that it is not always the case: some types may have different labels and specimens with such green square labels are not necessarily Fieber's types. This indication is here confirmed also for Fieber's specimens of Issidae.