



## Two new species of *Pneumia* Enderlein (Diptera, Psychodidae, Psychodinae) from the Palearctic region

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### Abstract

We propose two new species: *Pneumia kabelaki* **sp. nov.** from the Czech Republic and *P. toubkalensis* **sp. nov.** from Morocco. *Pneumia isabellae* (Wagner), a new record for Slovenia, is redescribed. Differential diagnoses are included and important diagnostic characters illustrated. The concept of some Palearctic Pericomaini is discussed and all described species and subspecies of the genus *Pneumia* Enderlein are listed with a report of 34 new combinations. The following species are transferred from *Pericoma* Haliday to *Pneumia*: *Pneumia ariegica* (Vaillant), *P. borealis* (Berdén), *P. californica* (Kincaid), *P. canariensis* (Tonnoir), *P. delphinensis* (Georges), *P. extricata* (Eaton), *P. hirticornis* (Tonnoir), *P. isabellae* (Wagner), *P. jungi* (Vaillant), *P. longistylis* (Mirouse), *P. marinkovicae* (Krek), *P. omogoensis* (Tokunaga & Komyo), *P. propinqua* (Satchell), *P. rivularis* (Berdén), *P. sziladyi* (Szabó), *P. thomasi* (Vaillant), *P. vandeli* (Mirouse). In addition, nineteen species are transferred from *Satchelliella* Vaillant to *Pneumia*: *Pneumia arvernica* (Vaillant), *P. balcanica* (Krek), *P. bosniaca* (Krek), *P. bucegianna* (Vaillant), *P. dissimilis* (Krek), *P. distincta* (Krek), *P. incurvata* (Krek), *P. joosti* (Wagner), *P. montenegrina* (Krek), *P. narsanica* (Vaillant & Joost), *P. pyrenaica* (Vaillant), *P. sanae* (Krek), *P. sandaliae* (Salamanna), *P. scotiae* (Curran), *P. stammeri dinarica* (Krek), *P. stylata* (Vaillant, 1973), *P. tarae* (Krek), *P. ussurica* (Wagner) and *P. vaillantii* (Wagner).

**Key words:** Pericomaini, taxonomy, new combinations, status, synonymy, list of species

### Introduction

In contrast to the Oriental and Neotropical regions where undescribed taxa of moth flies are frequently collected (Ježek 2010; Ježek *et al.* 2011), few new species of Palearctic Psychodidae have recently been discovered. A survey of Psychodinae, tribe Pericomaini, has recently been completed in the Palearctic region, during which two new species were collected. Vaillant (1971) proposed five new genera of Pericomaini by splitting the genus *Pericoma* Haliday, 1856 into *Berdeniella* Vaillant, 1976, *Saraiella* Vaillant, 1973, *Satchelliella* Vaillant, 1979, *Szaboiella* Vaillant, 1979 and *Pericoma s. str.*, often without designating type species for new genera. Some of the generic taxa proposed by Vaillant (1979) were also invalid at the time of publication, and later validated by the publication of new data.

In comparison to some Pericomaine genera described by Vaillant, *Satchelliella* has been incorrectly used in the generic classification of moth flies by many dipterists. These works include Lindner's compendium (Vaillant 1971–1983), Wagner's (1990) Catalogue of Palearctic moth flies, Krek's (1999) Monograph of non-biting moth flies of the Balkan Peninsula and Fauna Europaea (Wagner 2007). Enderlein (1935) proposed the genus *Pneumia* (type species *Pericoma palustris* Meigen, 1804), and the same genus *Pneumia* (with the same type species) in a homonymy one year later, see Enderlein (1936). *Satchelliella* (type species *Pericoma mutua* Eaton, 1893), which includes *P. palustris*, is a subjective synonym of *Pneumia*. Wagner (1982, p. 80) incorrectly synonymized *Satchelliella* with the genus *Pericomina* Enderlein, 1937 (p. 85, type species *Pericoma opaca* Tonnoir, 1922), in contrast with the opinion that *P. opaca* is not a species of *Satchelliella* but is a species of *Ulomyia* Walker, 1856 (Vaillant 1971–1983). These problems have been discussed and were presumably resolved (Duckhouse 1987); nevertheless,