

# New records of Ptychopteridae (Diptera) from Europe, North Africa and Asia Minor

[Neue Nachweise von Ptychopteridae (Diptera) aus Europa,  
Nordafrika und Kleinasien]

by

Nikolay M. PARAMONOV

Saint Petersburg (Russia)

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## Abstract

The family Ptychopteridae is recorded for the first time from Tunisia. *Ptychoptera peusi* JOOST, 1974 is new for the fauna of Turkey, and *Ptychoptera delmastroi* ZWICK & STARÝ, 2003 is new for North Africa including Tunisia. New finds of *Ptychoptera albimana* (FABRICIUS, 1787) are reported from France, Italy and Turkey, and of *Ptychoptera lacustris* MEIGEN, 1830 from Italy, Bulgaria and Turkey. The female of *Ptychoptera delmastroi* is described and its terminalia are figured.

## Key words

Ptychopteridae, Palaearctic Region, Europe, North Africa, Asia Minor, new records, description, female terminalia

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## Zusammenfassung

Die Familie Ptychopteridae wird erstmals in Tunesien nachgewiesen. *Ptychoptera peusi* JOOST, 1974 ist neu für die Fauna der Türkei und *Ptychoptera delmastroi* ZWICK & STARÝ, 2003 ist neu für Nordafrika einschließlich Tunesien. Neue Funde von *Ptychoptera albimana* (FABRICIUS, 1787) werden aus Frankreich, Italien und der Türkei gemeldet, von *Ptychoptera lacustris* MEIGEN, 1830 aus Italien, Bulgarien und der Türkei. Das Weibchen von *Ptychoptera delmastroi* wird beschrieben und sein Genital wird abgebildet.

## Stichwörter

Ptychopteridae, paläarktische Region, Europa, Nordafrika, Kleinasien, neue Nachweise, Beschreibung, weibliche Geschlechtsorgane

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## Introduction

The family Ptychopteridae is a small family of dipterous flies with a worldwide distribution except for Australasia and Oceania (ALEXANDER & ALEXANDER 1973, OOSTERBROEK 1998). The world fauna numbers about 80 species (ROZKOŠNÝ 1997; YANG & CHEN 1995, 1998; ZWICK & STARÝ 2003; HANCOCK et al. 2006; NAKAMURA & SAIGUSA 2009; YOUNG & FANG 2011; KANG et al. 2012, 2013; PARAMONOV 2013), 15 of which live in Europe (ROZKOŠNÝ 1992, KRZEMINSKI & ZWICK 1993, ZWICK & STARÝ 2003), 1 in North Africa (SÉGUY 1925a), and 3 in Asia Minor (ZWICK 1988, KOÇ & BARLAS 2002). The present report gives information on new records for the species *Ptychoptera albimana* (FABRICIUS, 1787) and *Ptychoptera lacustris* MEIGEN, 1830. *Ptychoptera peusi* JOOST, 1974 is newly recorded from Turkey, and *Ptychoptera delmastroi* ZWICK & STARÝ, 2003 is newly recorded from Tunisia and the first description and illustrations of the female are given. The family Ptychopteridae is recorded for the first time from Tunisia.

## Material and methods

The female terminalia was removed from the body, then macerated in 10 % KOH solution and rinsed in distilled water before examination of its detailed morphology. Observations were made in glycerine using LOMO MSP-2 stereoscopic microscopes. All removed parts are kept in small plastic vials with glycerine which are placed in a tube with the dissected insect. Material from the Naturalis Biodiversity Center, Leiden