

New records of *Ptychoptera peusi* Joost, 1974 (Diptera: Ptychopteridae) from the Caucasus

Новые находки *Ptychoptera peusi* Joost, 1974 (Diptera: Ptychopteridae) с Кавказа

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KEY WORDS: Diptera, Ptychopteridae, *Ptychoptera peusi*, fauna, Caucasus.

КЛЮЧЕВЫЕ СЛОВА: Diptera, Ptychopteridae, *Ptychoptera peusi*, фауна, Кавказ.

ABSTRACT: *Ptychoptera peusi* Joost, 1974 was described from the Central Caucasus and has never been found anywhere else. In this article new records from the Karachaevo-Cherkessiya and Krasnodar Prov. of Russia as well as from Avadkhara, Bakhmaro and Borzhomi of Georgia are given.

В работе приводятся новые данные о находках *P. peusi* из Карачаево-Черкессии и Краснодарского края (Россия) а также из Авадхара, Бахмаро и Боржоми (Грузия).

РЕЗЮМЕ: *Ptychoptera peusi* Joost, 1974 была описана с Центрального Кавказа. Другие указания на нахождение этого вида на Кавказе отсутствуют.

Introduction

Ptychopteridae is small family of Nematocera fly with 23 species from the Palaearctic [Krzeminski & Zwick, 1993]. Ptychopteridae fauna of the Caucasus is

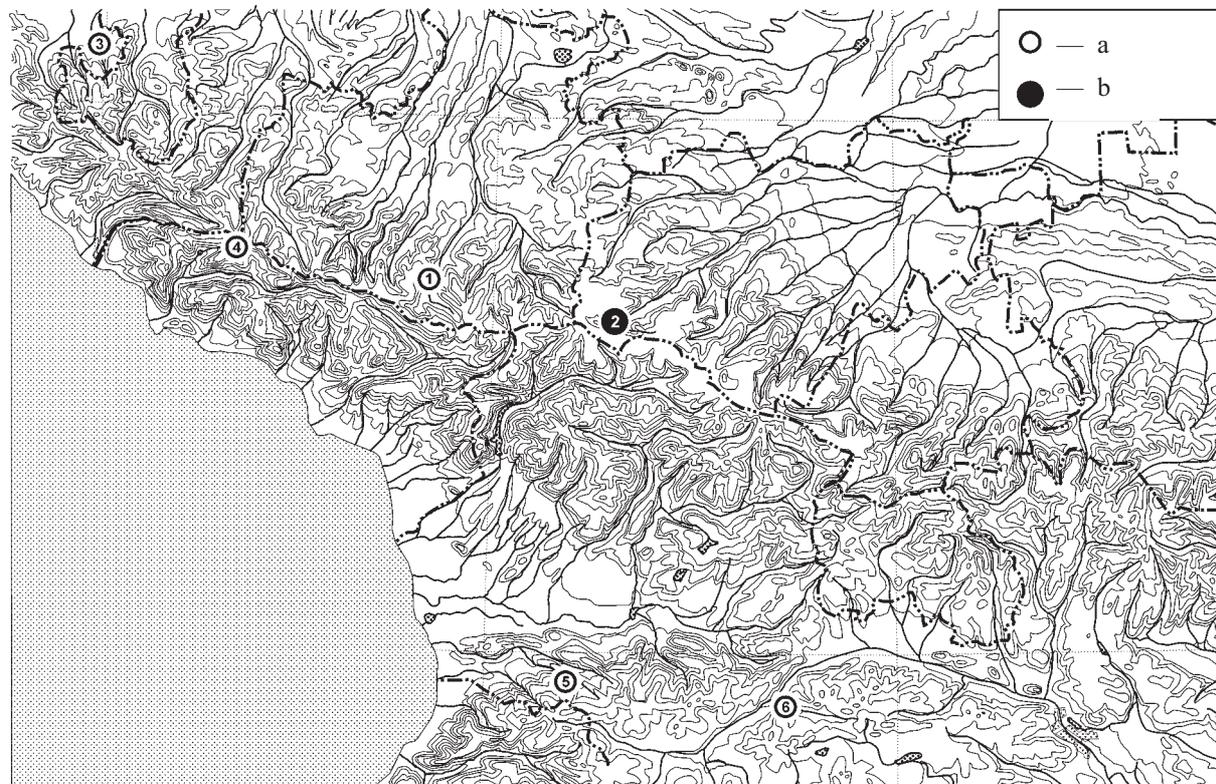


Fig. 1. Localities of *Ptychoptera peusi* on the Caucasus. a — new records, b — type locality. Russia: 1 — Kabardino-Balkariya; 2 — Karachaevo-Cherkessiya; 3 — Krasnodar Prov.; Georgia: 4 — Abkhaziya, Avadkhara; 5 — Bakhmaro; 6 — canyon Banis-Khevi near Borzhomi.

Рис. 1. Местонахождение *Ptychoptera peusi* на Кавказе. а — новые местонахождение, б — типовая местность. Россия: 1 — Кабардино-Балкария; 2 — Карачаево-Черкессия; 3 — Краснодарский край. Грузия: 4 — Абхазия, Авадхара; 5 — Бахмаро; 6 — ущелье Банис-Хеви близ Боржоми.

included four species from genus *Ptychoptera* — *P. peusi* Joost, 1974; *P. contaminata* (Linnaeus, 1758); *P. lacustris* Meigen, 1830 and *P. alina* Krzeminski et Zwick, 1993. Joost [1974] described *P. peusi* from upper part of river Baksan (Central Caucasus) and has never been found anywhere else.

The material for this paper is based on studying the collections of Zoological Institute of Russian Academy of Science, St. Petersburg.

MATERIAL EXAMINED. Russia, Karachaevo-Cherkesiya: 1 ♂ — Teberda zapovednik, 1300 m, 16.05.1964 (K.B. Gorodkov leg.); Krasnodar Prov., Apsheronsk Distr.: 6 ♂♂ — river Mezmayka, Kamyshanova Polyana, h-1200 m, 11.06–12.06.2004 (N.M. Paramonov leg.); Georgia: 1 ♂ — canyon Banis-Khevi, near Borzhomi, 27.06.1958 (V.N. Kurnakov leg.); 1 ♂ — Bakhmaro, 15.07.1961 (A.K. Zagulyaev leg.); 11 ♂♂ — Abhaziya, Avadkhara, 1600–2000 m, 5–14.06.1980 (A.K. Zagulyaev leg.).

According to these new records from the Main Caucasus range, I define the range of *P. peusi* as mountain Central-Northcaucasus or subalpine West-Caucasus (Fig. 1). All material has been collected from altitude 1200–2500 metre high above sea level.

ECOLOGY. *P. peusi* inhabit canyon near water. I collected imago in the stream fallen into the Mezmayka in it up-stream. Silted stream, flows through the beech-abies forest (with a touch of hornbeam) with close curtains, with ferns and mosses along the banks. The most common plants of undergrowth were growth *Abies*

nordmanniana, *Ilex* sp., *Rubus* sp. From grasses *Petasites albus* and *Telekia speciosa* was dominant.

According to Joost [1974] larvas and pupas of *P. peusi* development on alluvial waterlogged ground, at a depth of 5–10 cm. Water temperature is 6–8°C. On the little altitude (1200–1600 m) the species lives of the forest canopy, but in alpine zone (1600–2500 m) on the meadow.

ACKNOWLEDGEMENTS. The work was carried out using scientific collections of the Zoological Institute, Russian Academy of Sciences. The research has been supported by the Programme of the Ministry of Industry, Science and Technology of the Russian Federation for Support of Scientific Schools (grant No. 1667.2003.4) and Russian Foundation for Basic Research (grant No. 02-04-48588, No. 04-04-63183a).

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