

***Phytodietus alpinator* AUBERT, 1969 (Hymenoptera, Ichneumonidae)
a new species to the fauna of Poland
Supplementation of the checklist of Polish *Phytodietus* GRAVENHORST, 1829**

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ABSTRACT. *Phytodietus alpinator* AUBERT, 1969 (Hymenoptera, Ichneumonidae) is reported for the first time from Poland. The species has been found in the Podlasie, in the Biebrza National Park. A checklist of species of the genus *Phytodietus* GRAVENHORST, 1829 from Poland has been supplemented.

KEY WORDS: Ichneumonidae, Tryphoninae, *Phytodietus*, Poland.

INTRODUCTION

The genus *Phytodietus* GRAVENHORST, 1829 belongs to the subfamily Tryphoninae. Data on the occurrence of species of this genus in Poland are fragmentary and scattered in numerous faunistics papers. Checklists of *Phytodietus* species according to both KAŻMIERCZAK (2004) and ZWAKHALS (2005) are incomplete and include a total of nine species. Further four species were indicated in the literature i.e. *Ph. griseanae* KERRICH, 1962 (SAWONIEWICZ 1996); *Ph. montanus* TOLKANITZ, 1979 (PIEKARSKA et. al. 2002, KOSTRO-AMBROZIAK 2006); *Ph. obscurus* DESVIGNES, 1856 (GADEK 1984) and *Ph. antennator* KASPARYAN, 1993 reported recently by KOSTRO-AMBROZIAK & SAWONIEWICZ (2007).

Herein a new species of *Phytodietus* and a new checklist of species of the genus in Polish fauna are presented.

Phytodietus alpinator AUBERT, 1969**Distribution**

The species was described by AUBERT from Switzerland (AUBERT 1969). Since then it has been recorded only in Russia (KASPARYAN & TOLKANITZ 1999).

Material examined

Female was collected by J. SAWONIEWICZ in the Podlasie, in the Biebrza National Park (Gugny) (FE01) (NE Poland), by Moericke's trap in herbal layer of fresh coniferous forest, 6 VII 2005 (Fig. 1). The specimen is deposited in the author's collection.

The specimen was compared with the type: Switzerland: Haute-Engadine, 17 V 1965, ex *Exapatte duratella*, female.

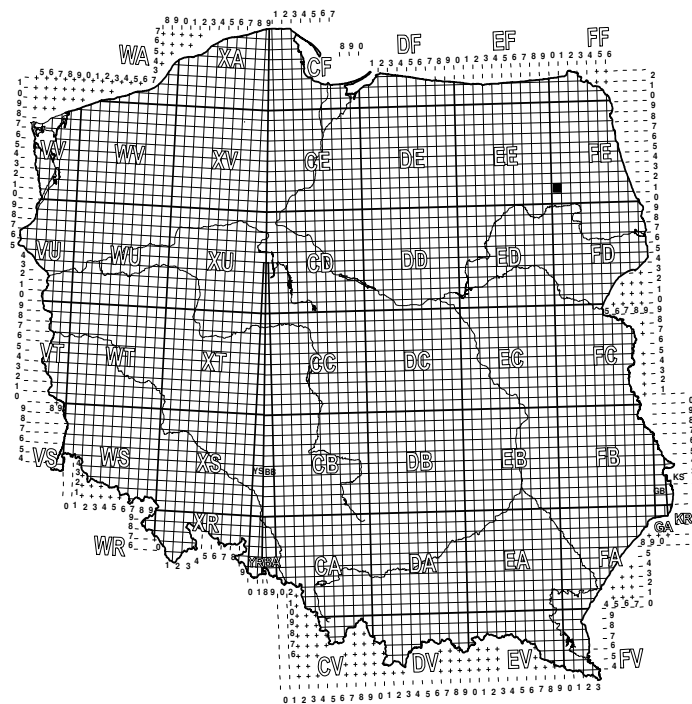


Fig. 1. The locality of *Phytodietus alpinator* AUBERT, 1969 in Poland.

Remarks

The specimen collected in Poland differs from the type by having flagellum with largest number of flagellomeres: 36 (the type: 32) and by having propodeum with largest quantity of transverse wrinkles.

In the literature *Exapate duratella* HEYDEN and *Zeiraphera griseana* (HÜBNER) (Tortricidae) are given as hosts of *Ph. alpinator* (KASPARYAN & TOLKANITZ 1999). In Poland only *Z. griseanae* was recorded (BUSZKO & NOWACKI 2000).

Description

Female. Face mat, distinct punctate; flagellum with 36 flagellomeres; clypeus relatively convex, the apical margin with notch in the centre; malar space 0.8 times the basal wide of mandible; temples narrow receding behind the eyes; prepectal carina of mesopleuron present and distinct; pronotum without epomia; notaulus distinct, but not reaching to the front margin of mesoscutum; propodeum without any carinae, with transverse wrinkles; third segment of hind tarsal about 1.5 times as long as its fifth segment; hind femur about 6 times as long as wide.

Body black with a few yellow markings. Yellow: pair of small spots on vertex; mandible in the middle (the basal part black, teeth brown); tegula; mark on the apex of scutellum and postscutellum; pair of spots at the base of scutellum. Tergites black, sternites blackish-brown with bright apical margins. Fore and middle legs in general orangish-yellow, except their coxae black and trochanters I of fore legs with the base black and trochanters I of middle legs black with the apex orange (the type species: all trochanters completely black). Hind legs: coxae reddish; trochanters blackish-grey; femur orangish-yellow, at the apex with black ring; tibiae and tarsi blackish.

A checklist of known from Poland species of *Phytodietus* GRAVENHORST, 1829

The species names are used according to KASPARYAN & TOLKANITZ (1999).

Ph. albipes HOLMGREN, 1856 (= *variegatus* FONSCOLOMBE, 1854)

Ph. alpinator AUBERT, 1969

Ph. antennator KASPARYAN, 1993

Ph. arcuatorius (THUNBERG, 1824)

Ph. basalis KASPARYAN, 1993

Ph. femoralis HOLMGREN, 1860

Ph. gelitorius (THUNBERG, 1824)

Ph. geniculatus THOMSON, 1877

Ph. griseanae KERRICH, 1962

Ph. montanus TOLKANITZ, 1979

Ph. obscurus DESVIGNES, 1856 (= *astutus* GRAVENHORST, 1829)

Ph. ornatus DESVIGNES, 1856

Ph. polyzonias (FORSTER, 1771) (= *segmentator* GRAVENHORST, 1829)

Ph. rufipes rufipes Holmgren, 1860

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