

**The species of the genus *Polyblastus* HARTIG, 1837  
(Hymenoptera, Ichneumonidae) in Poland**

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**ABSTRACT.** Checklist of the 15 species of the genus *Polyblastus* HARTIG, 1837 from Poland with historic and new faunistic data are given. *Polyblastus* (*L.*) *nanus* KASPARYAN, 1973 and *P.* (*L.*) *pallicoza* THOMSON, 1888 are reported for the first time from Poland. *P.* (*L.*) *melanostigmus* HOLMGREN, 1857 and *P.* (*P.*) *subalpinus* HOLMGREN, 1855 are reported in Poland for the first time from more than fifty years.

**KEY WORDS:** Ichneumonidae, Tryphoninae, *Polyblastus*, checklist, new records, Poland.

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INTRODUCTION

The genus *Polyblastus* is subdivided into three subgenera: *Polyblastus* HARTIG, 1837, *Labroctonus* FÖRSTER, 1868 and *Cophenchus* TOWNES, 1949. The most distinctive feature of *Polyblastus* is the fact, that the female carries a cluster of the eggs hanging from the ovipositor.

Checklists of Polish *Polyblastus* species include in total 13 species (KAŻMIERCZAK 2004, ZWAKHALS 2005). *P.* (*L.*) *alternans* SCHIÖDTE, 1839 which is mentioned by ZWAKHALS is not to be found in literature, but *P.* (*L.*) *stenocentrus* HOLMGREN, 1855 was omitted on the both of the lists. I think, it results from the fact, that according to catalogue of YU & HORSTMANN (1997) *P. alternans* is recognized as species and *P. stenocentrus* as its subspecies. In this article the systematic of the genus *Polyblastus* is used according to KASPARYAN & TOLKANITZ (1999) who recognized these species as two separate species.

In present paper, two new species of *Polyblastus* are recorded from Poland for the first time. Checklists of Polish *Polyblastus* are revised and faunistic data for all known species are given.

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### SYSTEMATIC REVIEW

#### *Polyblastus (Polyblastus) cancer* HARTIG, 1837

(= *palaemon* SCHIØDTE, 1838; = *pyramidatus* HOLGREN, 1855)

The species has so far been known only from south-western Poland: Wrocław (Osobowice) (XS36), Grabice (XR68) (HEDWIG 1940); the Western Beskidy Mountains, Kurnikówka (KAŻMIERCZAK 1993); the Pieniny Mountains (SAWONIEWICZ 1976).

#### *Polyblastus (Polyblastus) clypearis* BRISCHKE, 1891

The existence of this species is uncertain. It has been known hitherto only from Poland and only with one record (BRISCHKE 1891).

#### *Polyblastus (Polyblastus) cothurnatus* GRAVENHORST, 1829

### Material examined

The Biebrza National Park: Gugny (FE01), 27.08.1983, 1 ♀; Stójka (FE01), 11.08.1983, 1 ♀; Osowiec Twierdza (FE02), 30.06.2007, 1 ♀. The Budzisk Reserve (FE50), 12.07.2005, 1 ♀.

Apart from above records this species has been found also in Podkowa Leśna (DC87) (GŁOWACKI 1953); Wrocław-Osobowice (XS36), Miękinia (XS27), Kalinowice (XS41), Kamienna Góra (WS72), Cieplice Śląskie-Zdrój (WS43), Janowice Wielkie (WS63) (HEDWIG 1940); Warsaw (DC99) (SAWONIEWICZ 1981); the Tuchola Forest (SAWONIEWICZ 1999).

#### *Polyblastus (Cophenchus) macrocentrus* THOMSON, 1888

### Material examined

Białystok (Instytut of Biology), 27.07.2005, 1 ♀. Mielnik, the Głogi Reserve, 10.06.2006, 1 ♀. Rogów ad Koluszki, 27.5.1995, 2 ♀♀. The Świętokrzyski National Park: 12.05.1994, 2 ♀♀; 7.06.1994, 2 ♀♀.

The species previously has been known only from Warsaw (DC99, DC98) (SAWONIEWICZ 1981, 1982, 1986).

***Polyblastus (Labroctonus) melanostigmus* HOLMGREN, 1857  
(= *grammicus* HOLMGREN, 1857)**

**Material examined**

The Biebrza National Park, Gugny (FE01), 8.06.2006, 2 ♀♀.

It is the first record of this species in Poland from more than sixty years. It has been previously known only from Lower Silesia (HEDWIG 1940).

***Polyblastus (Labroctonus) nanus* KASPARYAN, 1973**

**Material examined**

The Kampinos National Park, Łomna (DD80), 20.09.1985, 1 ♀ (Fig. 1) .

A new ichneumonid for Polish fauna. This Palearctic species has been reported to occur from Sweden and Finland to Kamchatka. It differs from other species of the subgenus *Labroctonus* by having white eggs carried by the female.

***Polyblastus (Labroctonus) pallicoxa* THOMSON, 1888**

**Material examined**

The Biebrza National Park, Grobla Honczarowska (FE01), 11.08.2006, 1 ♀ (Fig. 1) .

A new ichneumonid for Polish fauna. The species is widespread in Palearctic. It differs from close *P. melanostigmus* and *P. stenocentrus* by having fore and middle coxae, trochanters and most part of its hind tibiae white.

***Polyblastus (Polyblastus) pinguis* GRAVENHORST, 1820**

In Poland this species has been known only from Wrocław (Szczytniki, Sołtysowice (XS46), Osobowice (XS36)) and Cesarzowice (XS35) (HEDWIG 1940).

***Polyblastus (Labroctonus) pumilus* HOLMGREN, 1855**

**Material examined**

The Biebrza National Park, Grobla Honczarowska (FE01), 3.08.2005, 1 ♀.

The species has been recorded by HEDWIG (1940) from Lower Silesia, but as synonym of *P. (L.) stenocentrus* HOLMGREN, 1855. According to KASPARYAN & TOLKANITZ (1999)

*pumilus* and *stenocentrus* are recognized as two separate species. Unfortunately, it is impossible to verify detection of this specimen.



**Fig. 1.** The localities of *Polyblastus (L.) nanus* KASPARYAN, 1973 (▲) and *P. (L.) pallicoxa* THOMSON, 1888 (●) in Poland.

***Polyblastus (Labroctonus) stenocentrus* HOLMGREN, 1855**

**Material examined**

The Świętokrzyski National Park, 7.06.1994, 1 ♀. Rogów (DC24), 2 ♀♀.

The species has been recorded from Lower Silesia (TORKA 1931, HEDWIG 1940) and Ostróda (DE35) (GÓRNY 1979). It was omitted on preexisting checklists of the Polish fauna.

***Polyblastus (Polyblastus) subalpinus* HOLMGREN, 1855  
(= *pedalis* CRESSON, 1864; = *carbonator* KASPARYAN, 1970)**

**Material examined**

The Kampinos National Park, Łomna (DD80), 6.06.1987, 1 ♀. Krynica (DV97), 9.06.1997, 1 ♀.

In Poland, it is the first record of this species from more than fifty years. It has been previously known only from Lower Silesia (HEDWIG 1943).

***Polyblastus (Polyblastus) tener* HABERMEHL, 1909****Material examined**

The Białowieża Forest, Topiło (FD73), 26.05.1986, 1 ♀. The Borecka Forest, 13-27.07.1995, 1 ♀. Kopciowa (DV97), 26.06.2001, 1 ♀. Krynica (DV97), 29.07.1986, 1 ♀. the Mochnaczka Lowland (EV07): 9.08.2005, 2 ♀♀; 6.09.2005, 2 ♀♀; 3.07.2005, 3 ♀♀. Stulno ad Włodawa (FB89), 22.07.2006, 1 ♀.

The species has so far been known only from a few localities of south-western Poland: Kolonia Stara Bystrzyca (XR17), Wrocław (Sobótka) (XS23), Jelcz (XS65), Stronie Śląskie (XR37), Gajnik (XR26) (HEDWIG 1940); Andrychów (CA82), Kurnikówka (KAŻMIERCZAK 1993); the Pieniny National Park (KAŻMIERCZAKOWA et al. 1997).

***Polyblastus (Polyblastus) varitarsus* (GRAVENHORST, 1829)  
(= *strobilator* THUNBERG, 1822; = *subtilis* THOMSON, 1883)****Material examined**

The Biebrza National Park: Gugny (FE01), (31.08.1983, 2 ♀♀; 21.05.1983, 1 ♀; 30.06.1985, 1 ♀; 30.08.1983, 1 ♀; 20.09.1982, 1 ♀; 14.07.1983, 1 ♀; 8.08.1982, 1 ♀; 09.1983, 1 ♀; 11.08.2005, 3 ♀♀; 22.6.2006, 6 ♀♀; 06.07.2005, 3 ♀♀; 08.07.2006, 1 ♀; 17.08.2006, 1 ♀); mineral elevation Pogorzały (FE01), (8.07.2006, 2 ♀♀; 22.06.2006, 3 ♀♀; 14.07.2006, 1 ♀; 29.07.2006, 3 ♀♀); Grobla Honczarowska (FE01), (3.06.1983, 1 ♀; 25.08.1983, 1 ♀; 11.08.2006, 2 ♀♀; 29.08.2006, 1 ♀; 5.10.2005, 2 ♀♀); Stójka (FE01), (22.06.2006, 1 ♀; 22.06.1983, 1 ♀; 4.07.1983, 1 ♀; 4.10.1982, 2 ♀♀; 22.08.1983, 1 ♀; 11.08.1983, 1 ♀); Sośnia (FE02), 28.09.2005, 1 ♀; Werykle (FE01), (29.05.1993, 1 ♀; 14.06.1983, 1 ♀; 6.07.1983, 1 ♀); Chojnowo (FE01), 2.09.2006, 1 ♀; Lisie Nory (FE01), (27.05.1983, 1 ♀; 24.07.1982, 1 ♀); Koźli Rynek (EF01), (25.08.1983, 1 ♀; 21.09.1983, 5 ♀♀; 31.08.1983, 1 ♀; 1.10.1982, 2 ♀♀); Dobarz (EF01), 20.07.1982, 2 ♀♀. The Borecka Forest, Lipowa Góra, 24.07.1985, 1 ♀. The Kampinos National Park, Łomna (DD80), 20.09.1995, 1 ♀. Kopciowa (DV97), 1 ♀. Kostry-Litwa (FD15), 01.11.2004, 1 ♀. Krasne (FD59), 1.06.2005, 1 ♀. Krynica (DV97): 18.06.2004, 1 ♀; 9.06.1997, 1 ♀; 25.06.1991, 1 ♀; 15.07.1994, 1 ♀; 21.07.1998, 1 ♀. Łoboda (CE15), 21.07.1986, 1 ♀. The Roztoczański National Park, the Mędzyczec Reserve, 05.07.2006, 1 ♀. Stulno (FB89), 22.07.2006, 2 ♀♀.

Apart from above records, this species has been recorded in Poland from some scattered localities: Wrocław (Szczytniki (XS46), Sobótka (XS23)), Jelcz (XS65), Miękinia (XS27), Cieplice Śląskie-Zdrój (WS43) (HEDWIG 1940); Kurnikówka, Modohora (CA81) (KAŹMIERCZAK 1993); the Biebrza National Park, Gugny (FE01) (KOSTRO-AMBROZIAK 2006); Elizówka (FB08) (MICZULSKI 1980); Białystok (FD49) (SAWONIEWICZ 1974); the Pieniny Mountains (SAWONIEWICZ 1976); Mazovia (SAWONIEWICZ 1982); Warsaw (DC99, EC07) (SAWONIEWICZ 1989); the Tuchola Forest, the Biała Forest (SAWONIEWICZ 1999); the Białowieża Forest (SAWONIEWICZ 1999, 2001); Pokrzywna (XR77) (TORKA 1931).

***Polyblastus (Polyblastus) wahlbergi* HOLMGREN, 1855**

**Material examined**

The Biebrza National Park, Pogorzały (FE01), 8.07.2006, 1 ♀. The Borecka Forest, Lipowa Góra (EF60), 22.06.1984, 1 ♀. The Jesionowe Góry Reserve (FE51), 19.07.2005, 1 ♀. Rogów (DC24), 6.06.1992, 5 ♀♀.

In Poland, *P. wahlbergi* has so far been known only from two localities - Silesia (HEDWIG 1940, TORKA 1931) and the Biała Forest (SAWONIEWICZ 1999).

***Polyblastus (Labroctonus) westringi* HOLMGREN, 1855**

**Material examined**

The Biebrza National Park: Osowiec Twierdza (FE02), 16.05.2003, 1 ♀; Stójka (FE01), 8.07.2006, 1 ♀; Budy (FE01), 21.06.2005, 1 ♀. Krasne (FD59), 20.06.2006, 1 ♀. Rogów (DC24), 6.06.1992, 1 ♀; 20.07.1997, 1 ♀. Stulno (FB89), 22.07.2006, 1 ♀. Sutno (FC49): 17.07.2006, 13 ♀♀; 25.08.2006, 5 ♀♀.

This species has been previously recorded from some scattered localities: Wrocław (Sobótka (XS23)), Stronie Śląskie (XR37) (HEDWIG 1940); the Biebrza National Park, Gugny (FE01) (KOSTRO-AMBROZIAK 2006); the Pieniny Mountains (SAWONIEWICZ 1976); Warsaw (DC98) (SAWONIEWICZ 1982); the Białowieża Forest (SAWONIEWICZ 1999, 2001).

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