



SHORT COMMUNICATION

**Materials to the knowledge of Polish sawflies.
The genus *Dolerus* Panzer, 1801 (Hymenoptera,
Symphyta, Tenthredinidae, Selandriinae).
Part III - *Dolerus anticus* (Klug, 1818)¹**

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ABSTRACT

The paper presents historical and new faunistic data concerning the occurrence of *Dolerus anticus* (Klug, 1818) in Poland, supplemented with elements of bionomy – in particular phenology of the appearance of imagines – and general geographical distribution.

Keywords: Hymenoptera, Symphyta, Tenthredinidae, Selandriinae, *Dolerus anticus*, sawflies, Poland, faunistic data, bionomy

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In the planned series of elaborations, focusing on faunistics and bionomy of Polish representatives of *Dolerus* Panz., the authors wish to report the results of collecting on more than thirty Polish localities in 2012-2017. The list (with short description) of localities on which *Dolerus anticus* (Klug) has been found is presented in table 1, and general distribution of the species in Poland on map 1. Collections in the Kampinos National Park were done by both authors (Jerzy Borowski & Dawid Marczak leg.), the remaining material only by the first of us (Jerzy Borowski leg.). All specimens have been deposited in the Department of Forest Protection and Ecology SGGW, in Rogów.

Table 1. List of localities of *Dolerus anticus* (Klug) in 2012-2017.

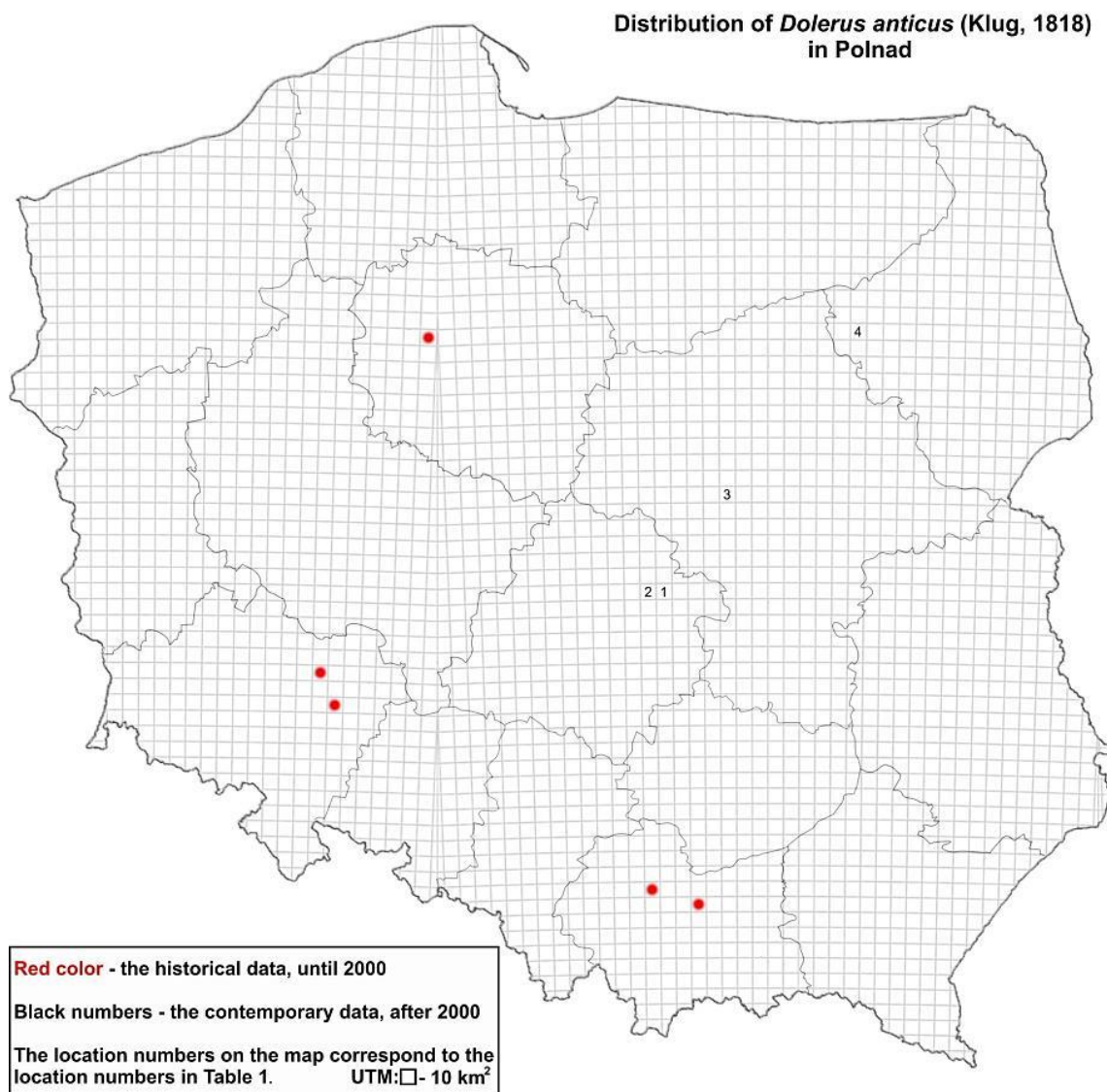
Locality number	Locality name	GPS coordinates UTM grid	Short description
1	Głuchów Range - „Pańska” meadow	N 51°44’56” E 20°05’16” UTM: DC33	Meadow on the grounds of the Forest Experimental Station, Rogów Forest Inspectorate, Głuchów Forest District; mid-forest meadow with rich herbaceous vegetation and some drainage ditches, partly cultivated as hunting plot.
2	„Batorówka” lagoon”	N 51°45’59” E 19°58’27” UTM: DC23	Shore of the „Batorówka” lagoon on the Rawka river in Wola Łokotowa; overgrown with, among others, common spikerush
3	Kampinos National Park - „Debły” meadow	N 52°17’18” E 20°38’57” UTM: DC79	Natural, extensive mid-forest meadow in Kampinos National Park near Debły with rich herbaceous vegetation and numerous areas overgrown with sedge.
4	Czartoria near Narew river	N 53°11’34” E 21°46’33” UTM: ED59	Depressions with stagnant water in dunes on banks of Narew river near Czartoria, overgrown with hygrophilous herbaceous vegetation: common spikerush, rushes, sedges.

Dolerus (Cyperolerus) anticus anticus (Klug, 1818) (Fig. 1)

Known localities: Niedzica (Niezabitowski-Lubicz 1897); Lasotnia, Kłaj (Niezabitowski-Lubicz 1899); Wrocław – Karłowice, Oborniki Śląskie, (Dittrich 1905); Bydgoszcz env. (Meyer 1912).

New localities: {1}, Głuchów Range (UTM: DC33), 16.V.2015, 1♀; 19.V.2015, 1♀; 20.V.2014, 1♀, 4♂♂; 21.V.2016, 1♂; {2}, Wola Łokotowa (UTM: DC23), 7.VI.2014, 1♀, 1♂; {3}, Kampinos National Park (UTM: DC79), 16.V.2017, 1♀; 24.V.2016, 1♀; {4}, Czartoria (UTM: ED59), 27.V.2014, 1♀.

Host plant: *Elocharis palustris* (L.) Roem. & Schult.



Map 1. Distribution of *Dolerus anticus anticus* (Klug, 1818) in Poland.

Geographical distribution: Nominotypical subspecies occurs from Spain and France through Central Europe to Russia, including Great Britain and Norway; subspecies *D. anticus seljuki* Benson, 1968, inhabits Turkey.

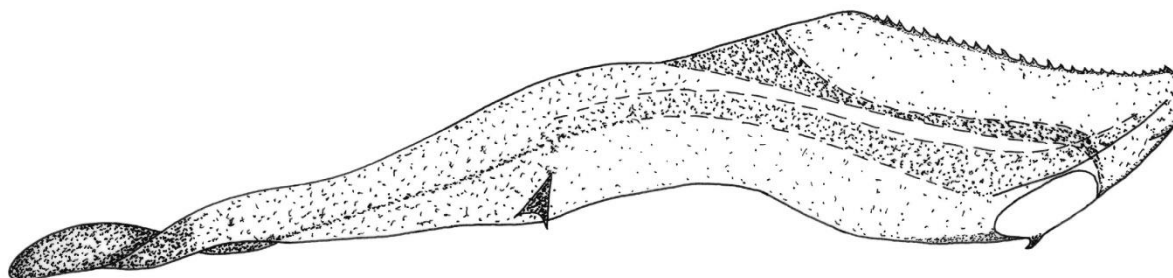


Fig. 1. *Dolerus anticus* (Klug) – a right penis valve of male aedeagus (outer view).

Dolerus anticus is considered rare, but the authors' observations show that it occurs wherever its host plant can be found. In the Kampinos National Park it has been discovered on wet meadow, sparsely overgrown with common spikerush, restricted to hardly more than ten square meters; in Głuchów on the same plant in draining ditches (Photo 1), and in Wola Łokotowa on shore of local lagoon (Photo 2). The species appears usually in the second decade of May and the last females have been observed as late as first decade of July, but main swarming occurs (in Central Poland) in third decade of May (Fig. 2). Males appear by few days earlier than females. Very swiftly flying species, difficult to net; flies in sunny days, mainly in the afternoon.

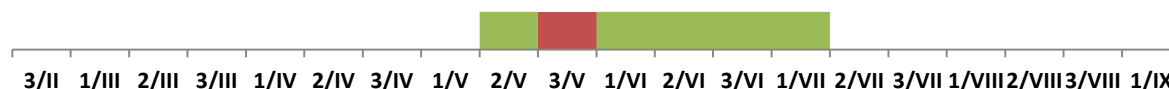


Fig. 2. Period of appearance of *Dolerus anticus* (Klug) imagines in Central Poland (maximum intensity of swarming marked with red); II – IX – months from February to September; 1, 2, 3 – decades of particular months.



Photo 1. Draining ditch with *Elocharis palustris* (L.) in Głuchów Range
(Photo by J. Borowski).



Photo 2. Shore of the lagoon „Batorówka” overgrown with common spikerush – *Elocharis palustris* (L.) (Photo by J. Borowski).

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