

NEW RECORD AND DISTRIBUTION
OF *DREPANEPTERYX ALGIDA* (ERICHSON IN MIDDENDORFF, 1851)
(NEUROPTERA, HEMEROBIIDAE) IN POLAND

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ABSTRACT: The first record of *Drepanopteryx algida* (Erichs.) from the Eastern Sudetes and its current distribution in Poland are presented. The general habitus of both sexes is illustrated in colour.

KEY WORDS: Neuroptera, *Drepanopteryx algida*, new record, Eastern Sudetes, SW Poland, faunistics.

The genus *Drepanopteryx* Leach in Brewster, 1815 is represented in Poland by both European species (Aspöck et al. 2001). Contrary to widely distributed and common *D. phalaenoides* (L.), *D. algida* (Erichs.) is one of the rarest lacewings, known from only a few localities in the southern part of the country.

During a survey of Neuroptera conducted in the Opawskie Mountains, *D. algida* was recorded for the first time from the Eastern Sudetes region.

Record details:

N 50°09'51", E 17°36'09", southern slope of the Hraniczny Wierch (Hraniční Vrch) XR86, north of the village of Opawica, alt. 460 m, 50-75 year old mixed conifer stand dominated by *Larix decidua* Mill., 28.09.2009, 1♂ (Fig. 1a), 10♀♀ (Fig. 1b), at light, leg. et coll. T. Blaik.

D. algida is a Siberian faunal element distributed in Central Europe, being absent from northern part of the continent (Aspöck et al. 1980; Popov 2002). The eastern part of its range extends from the Republic of Komi (Zakharenko and Sedykh 1981), across northern Siberia (Boganida River) (Erichson 1851), to the Russian Far East (Primorskiy Krai) (Makarkin 1993). The northernmost locality in Central Europe is Berlin (Saure 2005).

Until the early 1990s, proof material and precise data on occurrence of *D. algida* in Poland had not been available. The sole source of information concerning its presence

in “Silesia” (Brauer 1876) were quoted by subsequent review papers (e.g. Majewski 1885; Dziędzielewicz 1891, 1906) and, as a result, by the first modern Polish checklist (Czechowska and Dobosz 1990). Two specimens were collected for the first time in 1992, in the Karkonosze National Park: Karpacz WS52 (Dobosz 1994, 1998). In the following years, *D. algida* was confirmed in Silesia: Brynek CA39 (Dobosz and Maciąg 1996), and recorded in the Beskid Sądecki Mts: the vicinity of Krynica-Zdrój DV97, and the Świętokrzyskie Mts: Łysa Góra EB03 (Czechowska 2002) (Fig. 1c). Distribution pattern in Europe shows that the species may reach the northern limit of its continuous geographical range in Poland.

D. algida inhabits coniferous woodlands and has a strong preference for larch (Aspöck et al. 1980). Not numerous specimens from Poland were captured in lower subalpine forest in October (Dobosz 1998) and fir stands with a slight admixture of spruce and pine (Czechowska 2002). A single specimen was found under the bark of spruce trunk in March (Dobosz and Maciąg 1996). Because of the presence of a considerable acreage of larch stands, a high population density and a wider distribution of the species in the Opawskie Mts could be expected.

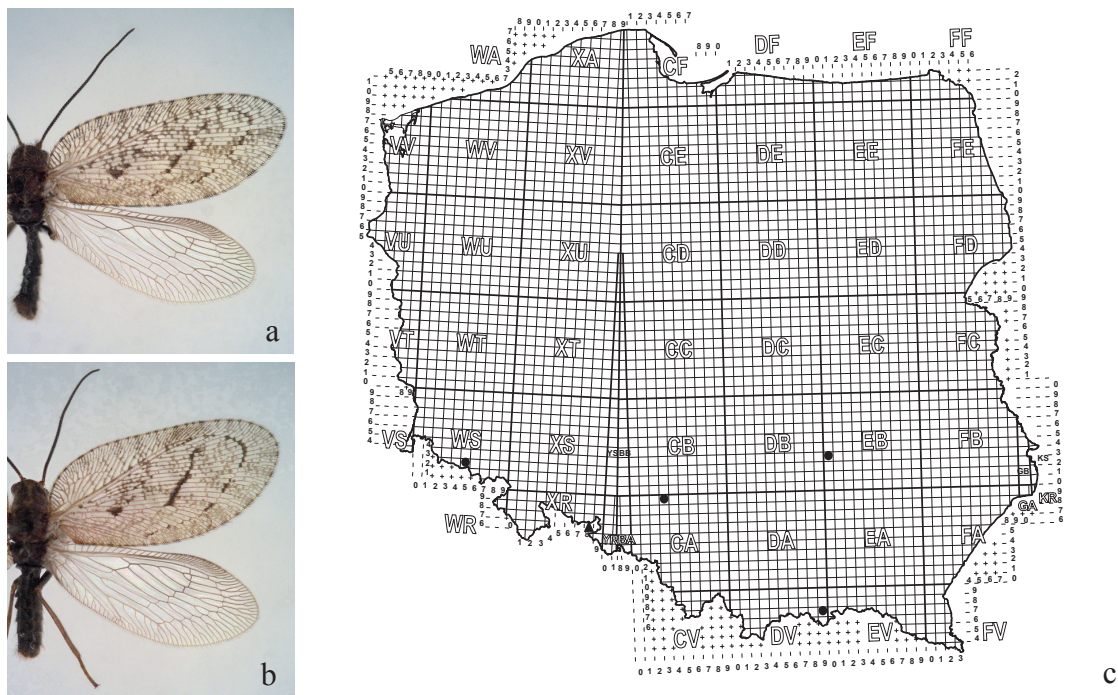


Fig. 1. *Drepanepteryx algida* (Erichs.): a - male (length of forewing 8,9 mm); b - female (9,3 mm); c - distribution in Poland: ▲ - new locality, ● - published locality. Photo by M. Mazur.

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