

**FIRST RECORD OF SICKLE-BEARING BUSH-CRICKET
PHANEROPTERA FALCATA (PODA, 1761) (ORTHOPTERA,
PHANEROPTERIDAE) IN MIDDLE POMERANIA**

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Abstract

Author gives the first record of steppen bush-cricket species *Phaneroptera falcata* in Middle Pomerania (Słupsk vicinity), and summarize data about its range in the East Europe.

Key words: Orthoptera, Phaneropteridae, *Phaneroptera falcata*, first record, Middle Pomerania, Poland

INTRODUCTION

Species of the genus *Phaneroptera* (Serville 1831) are phytophilous and arbusticolous and very mobile (capable of flying) bush-crickets. *Phaneroptera falcata* is trans-urasian subboreal species, widespread from France and Belgium to Japan (Bey-Bienko 1954).

According of International Union for Conservation of Nature (IUCN) *P. falcata* status in Europe has been evaluated as Least Concern (Hochkirk et al. 2016).

The expansion of *P. falcata* to the north has been noticed in several countries of Western and Central Europe (Böhme et al. 2011). This mobile species is able to quickly colonize new sites (Kočárek et al. 2008).

MATERIAL COLLECTED

Phaneroptera falcata is recorded for the first time in Middle Pomerania (12 km from Baltic Coast): 10.08.2014, XA24, 54°29'27.03"N, 16°57'54.06"E, N Słupsk, ad

Strzelino village, the fallow, on overgrown meadow. It was observed approximately 8 individuals, 5 specimens (1♂, 4♀,) collected for precise determination.

The examined material is deposited in the collection of Institute of Biology and Environment Protection of Pomeranian University in Słupsk.

DISCUSSION AND CONCLUSION

Over the past decades *P. falcata* has shifted its range substantially to the north. The expansion of *P. falcata* to the north has been noticed in Western Europe. Since the late 1980s many parts of Belgium, Germany and the Netherlands have been colonized (Böhme et al. 2011). In the Central Europe *P. falcata* colonized Czech Republic (Kočárek et al. 2008).

Distribution of *P. falcata* in Poland in last century was restricted to the Roztocze, as well as island populations were found in the Podlasie, Mazovian lowland and Sandomierz lowland (Bazyluk and Liana 2000). Since the beginning of the 21st century, the area of *P. falcata* has been expanded to the west and north: to Silesia (Blaik 2007), Wielkopolska (Żurawlew 2009, Żurawlew and Grobelny 2012), Lubuskie province (Orzechowski 2009), West Pomerania (Wilk et al. 2014), and Mazurian Lakeland (Böhme et al. 2011, Szymkiewicz and Szymkiewicz 2015).

In adjacent territories, *Phaneroptera falcata* after colonising of the territory of Lithuania (Ivinskis and Rimšaitė 2008, Budrys et al. 2012), Belarus' (Lukashuk and Sergeyeva 2011), and Latvia (Sokolovskis and Suveizda 2012) reached to the north to vicinity of St. Petersburg (N59°52'4" E30°11'40") in 2015 (Ozerskiy and Tislenko 2015).

These records confirm extension of the range of *P. falcata* in Central and East Europe, which corresponds well with its recent expansion.

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PIERWSZA REJESTRACJA DŁUGOSKRZYDLAKA SIERPOSZA
PHANEROPTERA FALCATA (PODA, 1761) (ORTHOPTERA,
PHANEROPTERIDAE) NA POMORZU ŚRODKOWYM

Streszczenie

W niniejszym artykule odnotowano pierwszą rejestrację długoskrzydłaka sierposza *Phaneroptera falcata* na Pomorzu Środkowym (okolice Słupska) i podsumowano dane o zmianach jego zasięgu w Europie Wschodniej.