

## FIVE NEW FOR THE LITHUANIAN FAUNA CRABRONID WASP SPECIES (HYMENOPTERA: APOIDEA: CRABRONIDAE)

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### Introduction

The goal of this contribution is addition of five recently found species to the check-list of Crabronidae wasps of the Lithuanian fauna (Budrys, 1992, 2001, 2005).

### Material and methods

Wasps were collected by the author of this report using entomological net in 2000 and 2005. The material is preserved in the collection of the Institute of Ecology of Vilnius University.

### List of species

#### *Astata minor* Kohl, 1885

Šalčininkai distr., Asiūklės miškas forest, N54°10'27" E25°42'08", 22 06 2005, 1♂, sandy meadow.

#### *Dryudella stigma* (Panzer, 1809)

Šalčininkai distr., 1 km W Girdžiūnai, N54°10'28" E25°43'54", 13 07 2005, 1♂, sandy meadow.

Varėna distr., 3 km S Puvočiai, N54°05'22" E24°18'42", 10 07 2000, 1♀, open inland dune grassland.

#### *Nysson niger* Chevrier, 1868

Šalčininkai distr., Asiūklės miškas forest, N54°10'27" E25°42'08", 22 06 2005, 1♂, sandy meadow.

#### *Rhopalum gracile* Wesmael, 1852

Klaipėda distr., Lūžija botanical preserve, N55°36'00" E21°10'35", 27 07 2005, 1♂, swards on the bank of the Curonian lagoon.

#### *Crossocerus subulatus* (Dahlbom, 1845)

Varėna distr., 2 km SE Puvočiai, N54°05'59" E24°19'24", 12 07 2005, 2♂, pine forest, on leaves of young *Populus tremula* trees.

### Discussion

*Astata minor* is widespread in the whole Palearctic including Europe (from Spain to Finland), Northern Africa, Turkey, Central Asia and Southern Siberia up to the Primorsk region of the Russian Far East. *Dryudella stigma* is another transpalearctic species, but it has a more northern distribution and is lacking in the southern Europe (Schmidt &

Bitsch, 2001). *Rhopalum gracile* is distributed from Western Europe (Spain to Finland) to the Far East of Russia and Japan. The latter species is regarded as rare and having scattered distribution in Europe (Bitsch & Leclercq, 1993). All three species are included in the Red list of Germany, category 3 (Rote Listen, 1998); *Astata minor* is in the Red list of Sweden, category NT (Rödlistade, 2005).

*Nysson niger* is distributed from Europe (France and Italy to Finland) to Kazakhstan and China. It is considered to be uncommon and have fragmented distribution in most of European countries (Gayubo *et al.*, 1997). The species is included into the Red lists of Germany, category G: threatened but its state is unknown (Rote Listen, 1998).

*Crossocerus subulatus* seems to be distributed throughout the Palearctic: it is known from Europe, Kazakhstan, Altai, the Far East of Russia and Japan (Nemkov *et al.* 1995). However, in Europe it is considered an extremely rare relic species, earlier known only from Denmark, Sweden, Finland, Estonia and Romania (Bitsch & Leclercq 1993; Luig & Voolma, 2000).

For all five species, Lithuania is within their expected distribution area, thus their discovery has been likely here. After this supplement, the Crabronidae check-list of Lithuanian fauna contains 150 species. There are other 20–30 species of this wasp family, known from Belarus, Latvia or Poland, the occurrence of which in Lithuania is also possible.

## References

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**Penkios naujos Lietuvos faunos žiedvapsvių (Hymenoptera: Apoidea: Crabronidae) rūšys***E. BUDRYS***Santrauka**

Pateikiami duomenys apie penkias žiedvapsvių rūšis, pirmąkart aptiktas Lietuvoje: *Astata minor* Kohl, 1885, *Dryudella stigma* (Panzer, 1809), *Nysson niger* Chevrier, 1868, *Rhopalum gracile* Wesmael, 1852 ir *Crossocerus subulatus* (Dahlbom, 1845). Kiekvienai rūšiai pateiktos sugavimo vietos, datos ir individų skaičius. *Crossocerus subulatus* laikoma labai reta, reliketine rūšimi, jos anksčiau žinomos artimiausios Lietuvai radimvietės yra Švedijoje ir Estijoje.

*Received: January 4, 2006*