

## Two species of Aphrodinae (Hemiptera, Cicadellidae) new to the Norwegian fauna

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Two species in the subfamily Aphrodinae (Hemiptera, Cicadellidae) are reported from Norway for the first time. *Planaphrodes nigrita* (Kirschbaum, 1868) and *Anoscopus limicola* Edwards, 1908 are both reported from Southern Norway and both species are assumed to have a restricted distribution in Norway.

Key words: *Planaphrodes nigrita*, *Anoscopus limicola*, Aphrodinae, Auchenorrhyncha, Hemiptera, Norway

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### Introduction

Several new species of Auchenorrhyncha (Hemiptera) have been published from Norway in recent years (Holgensen 1985, 1992, Raatikainen & Ylönen 1988, Hansen & Borgersen 1991, Olsen 1999, Hansen 2000, Endrestøl 2008). The most recent work listing the species from Northern Europe, including Norway, is Söderman et al. (submitted). In this paper, we report the findings of two species of Aphrodinae (Hemiptera, Cicadellidae) new to the Norwegian fauna: *Planaphrodes nigrita* (Kirschbaum, 1868) and *Anoscopus limicola* Edwards, 1908. The subfamily Aphrodinae is represented with 33 species and four genera in Europe (Nast 1987, including the *Aphrodes bicincta*-complex, see Tishechkin 1998). With these two additional species, a total of 12 species of Aphrodinae have been recorded in Norway (Ossianniłsson 1981, Söderman et al. (submitted)).

### The species

#### *Planaphrodes nigrita* (Kirschbaum, 1868)

**NORWAY:** Ø, EIS 19, Rygge: Bog, Bogslunden forest reserve, UTMWGS84 32VNL944859, 23.VI.2008, leg. H. Elven

This specimen (1 ♂) was collected by the second author in a pitfall trap in Bogslunden forest reserve. The reserve is situated close to the Carlberg farm in Rygge municipality (Østfold county). It is a small nature reserve covering only 57 daa of mainly broadleaved forest. The dominant tree species are Oak (*Quercus robur*), Ash (*Fraxinus excelsior*) and Aspen (*Populus tremula*). Understory vegetation consists mainly of Hazel (*Corylus avellana*) and Norwegian Spruce (*Picea abies*) (DN 2009).

The ecology of *Planaphrodes nigrita* is not clear. It has been reported to prefer damp or wet sites, mainly in mountainous areas but also