

**A new species of *Hemerodromia* MEIGEN
(Diptera: Empididae: Hemerodromiinae)
from Late Eocene Rovno Amber**

[Eine neue Art aus der Gattung *Hemerodromia* MEIGEN
(Diptera: Empididae: Hemerodromiinae) aus dem obereozänen Rovno-Bernstein]

by
Adrian R. PLANT, Igor SHAMSHEV and Evgeny PERKOVSKY

Cardiff (United Kingdom) St. Petersburg (Russia) Kiev (Ukraine)

Abstract	<i>Hemerodromia grootaerti</i> PLANT & SHAMSHEV spec. nov. (Empididae: Hemerodromiinae) is described from Late Eocene Rovno amber. It is unusual in retaining the plesiomorphic condition of the wing in which the subcostal vein is free basally and the humeral crossvein is present. Historical dispersal patterns of the genus <i>Hemerodromia</i> MEIGEN, 1822 from northern centres of radiation are discussed.
Key Words	Empididae, Hemerodromiinae, <i>Hemerodromia</i> , Ukraine, fossil, Rovno amber, phylogeography, taxonomy, new species
Zusammenfassung	<i>Hemerodromia grootaerti</i> PLANT & SHAMSHEV spec. nov. (Empididae: Hemerodromiinae) wird aus dem obereozänen Bernstein von Rovno beschrieben. Die Art ist ungewöhnlich wegen des Besitzes plesiomorpher Flügelmerkmale, wobei die Subcosta an der Basis frei und die Humeralquerader vorhanden ist. Die von nördlichen Radiationszentren ausgehenden historischen Verbreitungsmuster der Gattung <i>Hemerodromia</i> MEIGEN, 1822 werden diskutiert.
Stichwörter	Empididae, Hemerodromiinae, <i>Hemerodromia</i> , Ukraine, Fossil, Rovno-Bernstein, Phylogeographie, Taxonomie, neue Art

Introduction

The Empididae subfamily Hemerodromiinae contains 18 extant genera and almost 500 species of small predatory flies with inflated raptorial forelegs, currently distributed across all faunal realms except the Antarctic. The subfamily is monophyletic (SINCLAIR & CUMMING 2006, PLANT 2011b) and a sister-group to Empidinae from which it may have diverged by the late Jurassic or early Cretaceous (PLANT 2011b), at a time corresponding with a burst of radiation into recognizable modern groups within Eremoneura and Empididae (GRIMALDI & CUMMING 1999, WIEGMANN et al. 2011). Few fossil Hemerodromiinae have been described and all are relatively recent from Late Eocene/Oligocene amber deposits [for review see PLANT (2011b)] although unstudied examples are present in several collections of amber (H. ULRICH, pers. comm.). MEUNIER (1908) described three species of *Phyllostromia* ZETTERSTEDT, 1837 but these are not Empididae and *Hemerodromia detestata* MEUNIER, 1908 is the only genuine described representative of the subfamily although, based on wing venation, this is almost certainly a *Chelifera* MACQUART, 1823 rather than *Hemerodromia* MEIGEN, 1822 (PLANT 2011b). The present work provides the first fossil evidence for *Hemerodromia* in Late Eocene Rovno amber, which is a southern coeval of the more famous Baltic amber (PERKOVSKY et al. 2007, 2010).