



## Contribution to the knowledge of the fossil subgenus *Nestormeus* Godunko, 2004 (Ephemeroptera: Heptageniidae: *Ecdyonurus*) from the Baltic amber (Eocene)

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### Abstract

A female imago of *Ecdyonurus groehnorum* **sp. nov.** from the Baltic amber (Eocene) is described and illustrated. We have placed this new species within the early described subgenus *Nestormeus* Godunko, 2004 because of the presence of the short, curved lateroparapsidal sutures on the mesonotum, which are noncontiguous with the medioparapsidal sutures.

**Key words:** Ephemeroptera, Heptageniidae, *Ecdyonurus*, *Nestormeus*, new species, Eocene, Baltic amber

### Introduction

For the first time the information about the availability of fossil representatives of the genus *Ecdyonurus* Eaton, 1868 was published by Zhang (1989). However, the analysis of this information does not allow us with certainty to attribute the larva, described and illustrated by J. Zhang, to this genus (for details see Godunko 2004: 323–324). The first reliable finding of the genus *Ecdyonurus* from the Baltic amber (Eocene) was reported by Godunko (2004: 323–328, Figs 1–4). That paper included the description of a female imago of the new species *E. leopoliensis* Godunko, 2004, attributed by the author to the monotypical subgenus *Nestormeus* Godunko, 2004, designated on the basis of the structural peculiarities of the lateroparapsidal sutures of mesonotum.

The description and illustration of a new fossil species *E. groehnorum* **sp. nov.** from Baltic amber, belonging to the previously monotypical subgenus *Nestormeus* are given. The distinguishing characters, enabling the separation of the new species from *E. leopoliensis* are discussed.

The morphological terminology follows that of Kluge (1994, 2004).

### Taxonomy

#### Family Heptageniidae Needham, 1901

#### Genus *Ecdyonurus* Eaton, 1868 s. l.

#### Subgenus *Nestormeus* Godunko, 2004

#### *Ecdyonurus* (*Nestormeus*) *groehnorum* **sp. nov.**

(Figs 1–6)

**Description.** Female imago. Measurements: see Table 1.