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## Happy birthday Willi Hennig!—*Hyptia hennigi* sp. nov. (Hymenoptera: Evaniidae), a fossil ensign wasp from Eocene Baltic amber

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### Abstract

The ensign wasp genus *Hyptia* Illiger was previously known from 52 extant New World species and one fossil species from Lower Miocene to Upper Oligocene Mexican amber. *Hyptia hennigi* sp. nov., from Eocene Baltic amber, is the oldest known species and the first member of the genus from the Old World.

**Key words:** Eocene, new species, Old World, distribution

### Introduction

Ensign or hatchet wasps (family Evaniidae) are solitary predators on cockroach eggs in oothecae. They are easily diagnosed by a uniquely ensign- or hatchet-shaped metasoma with a tubular petiole and a shortened, laterally compressed gaster. The fauna comprises about 650 species in 22 extant and 12 fossil genera (Deans 2005; Deans *et al.* 2013).

About 26 evaniid species have been described from Mesozoic (Early to Late Cretaceous) or Tertiary ambers (Eocene to Miocene) and seven species from non-amber deposits, mostly early to late Cretaceous (see Table 1 in Jennings *et al.* 2012 for a summary; Peréz-de la Fuente *et al.* 2012; Jennings *et al.* 2013). *Procretevania pristina* Zhang & Zhang from the Upper Jurassic Yixian formation of Beipiao, Western Liaoning, is the oldest fossil evaniid to date (Zhang and Zhang 2000).

The genus *Hyptia* Illiger is known from 52 extant species (Deans 2005; Deans *et al.* 2013). To date, only one fossil species, *Hyptia deansi* Jennings, Krogmann & Mew has been described—from Lower Miocene to Upper Oligocene Mexican amber, Simojovel, Chiapas, Mexico (Jennings *et al.* 2012).

Four evaniid species are known from Eocene Baltic amber: *Parevania brevis* Brues, *P. producta* Brues and *P. remanea* Brues (Brues 1933) and *Evanilla eocenica* Sawoniewicz and Kupryjanowicz (Sawoniewicz & Kupryjanowicz 2003). Herein we describe the first species of *Hyptia* from Baltic amber.

### Material and methods

The amber specimen, which had previously been polished, was immersed in 50% glycerol and images taken using a Visionary Digital BK plus imaging system with a Canon EOS 7D 18 megapixel camera. Images were produced using Zerene Stacker, Zerene Systems LLC, software and cropped and resized in Photoshop CS6.

Anatomical terminology follows the Hymenoptera Anatomy Consortium (<http://glossary.hymao.org>); wing venation terminology follows Deans & Huben (2003).

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