



Article

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A synopsis of *Agnentina* (Plecoptera: Perlidae) from Vietnam

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Abstract

A new species of the genus *Agnentina* are described from northern Vietnam, *A. vietnamica* sp. n. Its taxonomic relationships with the related species are discussed. The holotype is deposited in the Henan Institute of Science and Technology, China.

Key words: Plecoptera, Perlidae, *Agnentina*, new species, China

Introduction

Agnentina Klapálek, 1907 is distributed in Holarctic and Oriental Realms and currently includes 30 species worldwide (DeWalt et al., 2012). Two species are known to occur in Vietnam (Cao and Bae 2006; Stark and Sivec 1991). The genus is relatively well known after the recent systematic contributions (Cao and Bae 2006; Du and Chou 1998; Du et al. 1999; Sivec et al. 1988; Sivec et al. 2005; Sivec and Zhiltzova 1997; Stark 1986; Stark and Sivec 1991, 2008; Zwick 1984).

In this paper, a species from Cao Bang Province of northern Vietnam is described as new to science. The studied material is deposited in the Collection of Henan Institute of Science and Technology, Xinxiang, Henan, China. The holotype of the new species is stored in 75% ethanol.

Taxonomy

Agnentina vietnamica Li & Wang, sp. nov.

(Figs. 1–10)

Male: Triocellate. General color dark brown with most of the ventral surface yellowish brown. Forewing length ca. 13.0 mm, hind wing length ca. 11.8 mm. Head (Figs. 1–2) dark brown in both dorsal and ventral view, compound eyes dark; antennae ca. 9 mm, scape proximal part brown, remainder brownish yellow, basal 1/4 brownish yellow, gradually getting brown to dark brown; mouthparts brown. Thorax brown, ventral surface yellow; pronotum with brown hexagonal disk surrounded by yellow margins, surface with vague markings and rugosities, posterior corners with sloping depression; legs mostly dark brown, coxae and trochanters yellow; femora banded, forelegs with proximal 2/5 yellow and middle and hind legs with proximal ca. 1/2 yellow (Fig. 4). Wings subhyaline, veins dark brown, apical portion brown (Fig. 3). Abdomen brownish; cerci dark except the first segment lightly pigmented. Tergum 5 with a pair of reduced transverse lobe-like areas covered by many long hairs. Tergum 6 unmodified. Tergum 7 with a small upraised posteromedian lobe (Fig. 7). Tergum 9 (Figs. 5–6 & 7–9) with broad anteromedian sclerite, covered by two pairs of spines. Sterna 5–7 with hair brushes with that of sternum 6 more prominent. Hemitergites long and directed upward, with sparse sensilla basiconica along anterolateral margins; medially with a proximal triangular lower lobe; its apex rounded and curved outward, forming a blunt angle. Aedeagus nearly spherical and curved ventrad, covered almost uniformly by tiny granules and spines.