

## Notes on the genus *Neochauliodes* from Guangxi, China (Megaloptera: Corydalidae)

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### Abstract

The species of the genus *Neochauliodes* from Guangxi are reviewed. The following three species are described as new to science: *Neochauliodes acutatus* sp. nov., *Neochauliodes fuscus* sp. nov., and *Neochauliodes nigris* sp. nov. A key to the species from Guangxi is presented.

**Key words:** Corydalidae, *Neochauliodes*, new species, Guangxi, China

### Introduction

The megalopteran genus *Neochauliodes* Weele, 1909 is the largest genus of the subfamily Chauliodinae, with more than 30 described species. It is widely distributed from far eastern to southeastern Asia. The adult is usually middle-sized, with yellowish to brownish body coloration and diverse wing patterns. The antenna is pectinate in male but subserrate in female, showing distinct sexual dimorphism. The male genitalia are characterized by the following features: ninth sternum with membranous apical process; tenth tergum simple, short and thickened; aedeagus equal in length to ninth plus tenth tergum, and without basal fork. The female genitalia also show some stable interspecific differences, except for some species belonging to the *Neochauliodes sinensis* Walker complex.

The larvae of the genus *Neochauliodes* occur in clean streams of mountainous regions and feed on a wide variety of small aquatic invertebrates. The adults emerge from spring to late autumn and can be easily collected by light trap near running water.

The genus *Neochauliodes* was established by Weele (1909) and the major revisionary works are: Weele (1910), Lestage (1927), Kimmins (1954). In the present paper, ten species of the genus *Neochauliodes* from Guangxi, including three new species, are recorded, keyed, and described.