

First record of *Neochauliodes subfasciatus* (Westwood, 1848) (Megaloptera: Corydalidae) in India

LIBOR DVOŘÁK^{1*} & XINGYUE LIU²

¹ Tři Sekery 21, 353 01 Mariánské Lázně, Czechia, ² Department of Entomology, China Agricultural University, 2 Yuanmingyuan Xi Lu, 100193, Beijing, China

Abstract: The occurrence of the fishfly *Neochauliodes subfasciatus* (Westwood, 1848) in India is confirmed. It is the second species of the genus *Neochauliodes* Van der Weele, 1909 known from India.

Keywords: Megaloptera, India, Bangladesh, Myanmar, distribution, new record

Introduction

Neochauliodes Van der Weele, 1909 is the largest genus of the subfamily Chauliodinae, which includes more than 40 species and is widely distributed through tropical and temperate Asia. Eight species of *Neochauliodes* are known from India and adjacent regions of South Asia (Liu et al. 2010, 2019). These *Neochauliodes* species are narrowly distributed in the northern part of the Indian subcontinent. Six species are to be known from India: *N. fletcheri* Kimmins, 1954, *N. flinti* Liu & Hayashi, 2019, *N. indicus* (van der Weele, 1907), *N. obscurus* van der Weele, 1909, *N. simplex* (Walker, 1853), and *N. truncatus* Kimmins, 1954 (Liu et al. 2010, 2019). In this contribution, the seventh species of *Neochauliodes* is recorded from India.

Material examined

Neochauliodes subfasciatus (Westwood, 1848)
India, Meghalaya, 1 km E of Tura, 25°30'N, 90°14'E, 500–2600 m a.s.l., 13.–18.v.2002, 1 ♂ (Figure 1), M. Trýzna & P. Benda leg., L. Dvořák det. et coll. X.Y. Liu revid. via photo. The investigated material originates from the estate, and unfortunately, detailed information about the collection method has not been preserved. The examined material originates from the estate, and unfortunately, detailed information about the collection method has not been preserved.



Figure 1. Male specimen of *Neochauliodes subfasciatus* (Westwood, 1848) from Tura, India. Photo: Libor Dvořák.

Results and Discussion

In the paper on the genus *Neochauliodes* of India and adjacent regions of South Asia (Liu et al. 2010), only two records of *N. subfasciatus* were published: three specimens from Bangladesh, Sylhet and three specimens from Caty [untraceable locality]. The collecting site Caty is ambiguous, even though it is probable that the location is somewhere in northern India or its adjacent regions (Liu et al. 2010). Later on, two specimens from Myanmar, Zi Yar Dam village, were published by Liu & Dvořák (2017). The present record of *N. subfasciatus* from Meghalaya represents the first record of this species from India (Figure 2).



Figure 2. The present known distribution of *Neochauliodes subfasciatus* (Westwood, 1848). Map source: maps.google.com/.

Conclusions

Altogether, seven species of the genus *Neochauliodes* are known from India now. *Neochauliodes nepalensis* Liu, Hayashi & Yang, 2010 is known from two localities in Nepal only (Liu et al. 2010), but its occurrence in India cannot be excluded.

* Corresponding author: L. Dvořák. Email: lib.dvorak@seznam.cz

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