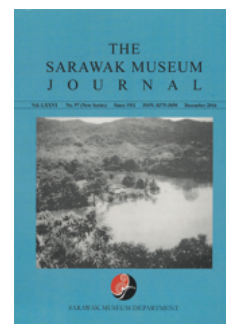




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FOUR NEWLY RECORDED CARRION FLIES FROM SARAWAK, EAST MALAYSIA (Diptera: Calliphoridae and Sarcophagidae)

Tan Siew Hwa, Hiromu Kurahashi, Wong Siew Fui and Leh Moi Ung

ABSTRACT

Four carrion flies belonging to the families Calliphoridae and Sarcophagidae are newly recorded from Sarawak, East Malaysia by recent surveys. Three calliphorid species are *Calliphora fulviceps* van der Wulp, 1881, *Phumosia viridis* Kurahashi, 1989 and *Nepenthomyia malayana* Kurahashi & Beaver, 1979, and one sarcophagid species - *Sarcophaga curvicauda* (Sugiyama, 1990).

Keywords: Calliphoridae, Sarcophagidae, carrion flies, new record, Sarawak, East Malaysia

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INTRODUCTION

In the course of study on “Taxonomy and Ecology of two-winged flies in Sarawak”, we made a good series of Dipteran insect specimens, especially during the survey in Gunung Murud (2,423 m) from 10 to 15 June 2013. Among the collections, we found three interesting carrion flies newly recorded from Sarawak, East Malaysia. They were identified by the first (SHT) and the second (HK) authors as *Sarcorohdendorfia curvicercus* (Sugiyama, 1990) (Family Sarcophagidae), *Nepenthomyia malayana* Kurahashi & Beaver, 1979, and *Calliphora fulviceps* van der Wulp, 1881 (Family Calliphoridae). These three species were found in montane forest above 1,200 m alt. *Calliphora fulviceps* and *Nepenthomyia malayana* were collected only in mossy forests of Batu Linanit, 2,100–2,250 m above sea level. We succeeded in rearing larvae of *C. fulviceps* and *S. curvicercus* and getting male and female adults. We investigated and found these two carrion flies are larviparous and larvae fed on spoiled meat. Another new record of *Phumosia viridis* Kurahashi, 1989 was collected from Borneo Highlands above 1,000 m altitude from 16 to 18 September, 2011. This is the first report dealing with collection data of these four newly recorded species from Sarawak, East Malaysia. All these three calliphorids can be identified by the previous keys (Kurahashi and Leh 2009), but that of the subfamily Melanodexiinae is somewhat modified with the record of *Nepenthomyia malayana* from Sarawak.