

**Tetrigid pygmy grasshopper and their associations with altitude and habitats
in Mt. Trus Madi, Sabah, Borneo (insecta: orthoptera)**

Abstract

The present study recorded 15 species of tetrigid pygmy grasshoppers collected in Mt. Trus Madi from 30 Oct. to 6 Nov. 2001. According to altitude and habitat type, species compositions are listed as follows: (A) 1,500- 1700m above sea level, the lower part of craggy bluffs: *Paraphyllum antennatum* Hancock and *Synalibas* sp.; (B) 1,500m a.s.l., grassland of forest edge: *Coptotettix rotundatus* Hancock, *Euparatettix* sp., *Pseudoparatettix* sp., *Bolivaritettix* sp. and *Hyboella* sp.; (C) 1,500m a.s.l., trunks of fallen trees on the forest floor: *Potua coronata* Bolivar, *Metamazarredia borneensis* Gtinther, *Bolotettix* sp. 1, sp. 2 and *Amorphopus* (?) sp.; (D) 1,200m a.s.l., mudstone open land nearby forest edge: Gen. sp.; (E) 800- 1,000m a.s.l., trunks of fallen trees by the sides of small stream: *Discotettix belzebth* (Serville) and *Falconius* sp. In addition, ecological notes on another orthopteran species, *Gymnogryllus borneensis* Ichikawa (Gryllidae), are also provided.