

**Note on the subgenus *Pseudotrichotichnus*
of the genus *Trichotichnus* from Southeast Asia
(Coleoptera: Carabidae: Harpalini)**

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Abstract. Three new species of the subgenus *Pseudotrichotichnus* Habu, 1973 of the harpaline genus *Trichotichnus* Morawitz, 1863 are described from Southeast Asia: *Trichotichnus (Pseudotrichotichnus) jelineki* sp. nov. (Laos), *T. (P.) tenuitibialis* sp. nov. (Malaysia), and *T. (P.) vietnamensis* sp. nov. (Vietnam). The aedeagi of *Trichotichnus (P.) niger* Louwerens, 1951 and *T. (P.) miyakei* Habu, 1980 are illustrated.

Keywords. Coleoptera, Carabidae, taxonomy, Laos, Malaysia, Oriental Region

Introduction

The subgenus *Pseudotrichotichnus* Habu, 1973 of the harpaline genus *Trichotichnus* Morawitz, 1863 is characterized by the combination of deep frontal impressions, robust and not elongate mandibles and plurisetose segment 2 of labial palpi. The subgenus includes 35 described species distributed in the area from Japan in the north, through Taiwan, Southeast Asia and Sunda Archipelago to New Guinea in the southeast. Some of them are difficult to identify; indeed, the species described in this paper are similar to one another and the examination of aedeagi is needed.

In this paper I describe three new species: *Trichotichnus (Pseudotrichotichnus) jelineki* sp. nov. from Laos, *T. (P.) tenuitibialis* sp. nov. from Malaysia and *T. (P.) vietnamensis* sp. nov. from Vietnam. I also illustrate the aedeagi of *Trichotichnus (P.) miyakei* Habu, 1980 and *T. (P.) niger* Louwerens, 1951 to facilitate their identification.

Material and methods

The specimens were examined under a Nikon SMZ10 binocular microscope. The following measurements were taken: body length (distance between apex of labrum and elytral apex), body width (measured at widest point, usually at the widest point of elytra), width of