

Taxonomic Study of Korean Stenopelmatoidea (Orthoptera: Ensifera)

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The superfamily Stenopelmatoidea (=Gryllacridoidea) (Orthoptera: Ensifera) is recognized about 1000 species in 170 genera throughout the world, which is the most primitive group among the Orthoptera (Kevan, 1982). Because of its nocturnal and hiding habits, this group is so well not known by general researchers.

First record from Korea of this group was made by Walker (1869), that was dealt with two species '*Gryllacris maculipes*' and '*Gryllacris maculicollis*' labelled from 'Corea'. But Karny (1937) had pointed out the errors of label, both specimens were also collected by Captain Belcher. See the early history of Korean Tettigonids (Kim and Kim, 2001).

After this, a few faunistics in Korea had been made by Doi (1932, 1933), Sohn (1957, 1963), and Cho (1959, 1969). Yamasaki (1969) had reported three species from South Korea as the result of speleological survey including two new species, *Tachycines coreanus* Yamasaki and *Tachycines uenoi* Yamasaki. At the latest, Kostia (1996) had reported five species of the Aemodogryllinae from North and South Korea including three newly recorded species *Tachycines asynamorus* Adelung, *Paratachycines ussuriensis* Storozhenko, and *Paratachycines boldyrevi* (Uvarov). However, as formerly, Korean Stenopelmatid species were to be indistinct because of no comprehensive proposition for synonymies, or systematical work.

This paper aims to clarify of Korean Stenopelmatids on the basis of the study of all materials and literatures available. As the result, eight species of two families confirmed to Korean fauna; Two species of the Stenopelmatidae, a newly recorded *Nippancistroger testaceus* (Matsumura et Shiraki), and *Prosopogryllacris japonica* (Matsumura et Shiraki); Six species of the Rhabdophoridae, *Diestrammena* (s. str.) *unicolor unicolor* Brunner von Wattenwyl, *Diestrammena* (*Tachycines*) *asynamora* (Adelung), *Diestrammena* (*Tachycines*) *coreana* (Yamasaki), *Paratachycines* (s. str.) *ussuriensis* Storozhenko, and *Paratachycines* (*Hemitachycines*) *boldyrevi* (Uvarov) including a newly recorded species *Anoplophilus* sp. near *acuticercus* Karny. A new synonym, *Paratachycines* (*Hemitachycines*) *uenoi* (Yamasaki) syn. nov. is proposed for *Paratachycines* (*Hemitachycines*) *boldyrevi* (Uvarov).

The keys to known species of Korean Stenopelmatids, synonymies, diagnosis of the newly recorded species, distributional data, and comparative figures for identification are also provided.