

Survey on the Insect Biodiversity from Is. Dokdo, Korea

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The insect fauna of Is. Dokdo had been reported firstly by Jolivet (1974) who listed *Longitarsus amicus* (Baly) [= *L. succineus* (Foudras)] without giving any detailed data for the voucher material.

However, the first scientific expedition to this rocky island was organized by the Korean Association for Conservation of Nature (KACN) during summertime in 1976, and Yoon (1978) identified 10 species belonging to 10 families under 6 orders among his collection of 15 species.

Later, KACN (1981) organized the second integrated scientific expedition to the island again during autumn, and the inventory of totally 37 species belonging to 26 families under 7 orders was arranged by Lee and Kwon (1981).

As a recurrent monitoring project for the biodiversity of the island, the Korean National Council for Conservation of Nature (KNCCN) made a substantial scientific expedition during summertime in 1995, and the results of insect fauna was given by Kwon *et al.* (1996) who reported a revised inventory of totally 53 species belonging to 35 families under 9 orders, treated with some ecological characteristics and conservation strategy for the insect fauna of the island. Subsequently, this results were cited by An (2000).

As a national project of the survey on the ecosystem of the present island conducted by the Ministry of Environment, Lee and Chung (2002) participated to the expedition and also reported a revised inventory of a total of 66 species belonging to 39 families under 10 orders.

More recently, Ulleungdology Institute of Gyeongju University made an independent scientific expedition to the island, and a total of 66 species belonging to 39 families under 10 orders were reported by Kim (2004), along with a suggestion for conservation strategy. However, he overlooked the previous results given by Lee and Chung (2002), and thus some recorded species could not included in his inventory.

The present survey was organized by KNCCN during early summer in 2004 again, and we found further 7 species new to the fauna of this island. We reviewed previous reports and corrected same erroneous records and synonyms so as to update the inventory for the insect fauna of the island. As the result, a total of 77 species belonging to 40 families under 10 orders were arranged here.

Key words: Insect biodiversity, fauna, conservation, Dokdo, Korea