A Psychid species, Acanthopsyche nigraplaga Wileman (Lepidoptera, Psychidae) New to Korea

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ABSTRACT Acanthopsyche nigraplaga Wileman, Psychidae is reported for the first time from Korea with a brief redescription and illustration of its male genitalia. Their food plants, Gomphrena globosa L., Rhusus parvis folius L. var. triphyllus N., Perilla frutescens B. var. acuta K., Menispernum dahuircum Dc., and Chenopodium album L. are also newly reported.

KEY WORDS Systematics, Lepidoptera, Psychidae, Acanthopsyche, host plant, Korea.

INTRODUCTION

This report is a part of the faunistic study on the Psychidae of Korea which has been poorly known to date. Among the 200 known species from the Palearctic region, only six species were reported in Korea.

From the examination of psychid specimens which are preserved in the Forestry Research Institute, Seoul, Acanthopsyche nigraplaga Wileman is identified as an unknown species from Korea and five food plants of larvae are newly recognized. The authors also examined the specimens which were collected from the province Kangwon.

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DESCRIPTION

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Male genitalia. Tegumen broad at base, almost parallel toward distal end, well sclerotized laterally, slightly divided at top. Valva short, relatively narrow, rounded apically with numerous hairs along costa to apex; sacculus well developed with free termination; saccal region strongly drooped medially. Juxta strongly sclerotized with rounded termination. Aedeagus long, somewhat curved at basal 1/4, with fairly wide apex, bearing a short spine inwardly.

Eighth sternite slightly sclerotized, developed near the end of seventh sternite, broad in width with two long lateral band towards 9th sternite.


Distribution. Korea (new record), Japan.

Host plant. Five species, Gomphrena globosa L., Rubus parvifolius L. var. triphyllus N., Perilla frutescens B. var. acuta K., Menispermum dahuricum Dec.,