

# Additions to the Pterophoridae from Nepal (Lepidoptera)

Cees Gielis

**Abstract.** *Intercapperia scindia* Arenberger, 1988 is recorded as new for the Nepalese fauna; and *Stenoptilia garrevoeti* spec. nov. is described.

**Samenvatting.** Aanvullingen bij de Pterophoridae van Nepal (Lepidoptera)  
*Intercapperia scindia* Arenberger, 1988 wordt als nieuw voor de Nepalese fauna gemeld, en *Stenoptilia garrevoeti* spec. nov. is beschreven.

**Résumé.** Additions aux Pterophoridae du Népal (Lepidoptera)  
*Intercapperia scindia* Arenberger, 1988 est mentionné pour la première fois du Népal et *Stenoptilia garrevoeti* spec. nov. est décrit.

**Key words.** Palaearctic – Nepal – Pterophoridae – new fauna record – new species – *Stenoptilia garrevoeti*.

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## Introduction

In July of 2008 Theo and Jan Garrevoet travelled to Nepal to study the Sesiidae fauna of this country. A number of sites were visited. Their collecting of clearwing moths takes place in the day time, but with an open eye for other microlepidoptera families, also some day flying Pterophoridae were collected. The author is very glad to have the opportunity to study these specimens.

## Results

*Intercapperia scindia* Arenberger, 1988, spec. nov. fauna.

Material. Nepal: 2 males, Humla, 42 km NW Simikot, 30°07'26"N 81°24'04"E, 3950 m, 14.vii.2008 (T. & J. Garrevoet) (CG).

This species is so far only known from India: Kashmir (Arenberger 1988, 2002).

*Stenoptilia garrevoeti* spec. nov. (Figs 1, 2)

Material. Holotype female: Nepal, Humla, 42 km NW Simikot, 30°07'26"N 81°24'04"E, 3950 m, 14.vii.2008 (T. & J. Garrevoet), prep. CG 6452 (CG).

Diagnosis. The species is characterised by fore wings with grey-brown colour, only faint double spot just before base of cleft, and continuous black basal fringe line in the outer margins, combined with the shape of the antrum is conclusive (Arenberger 2005).

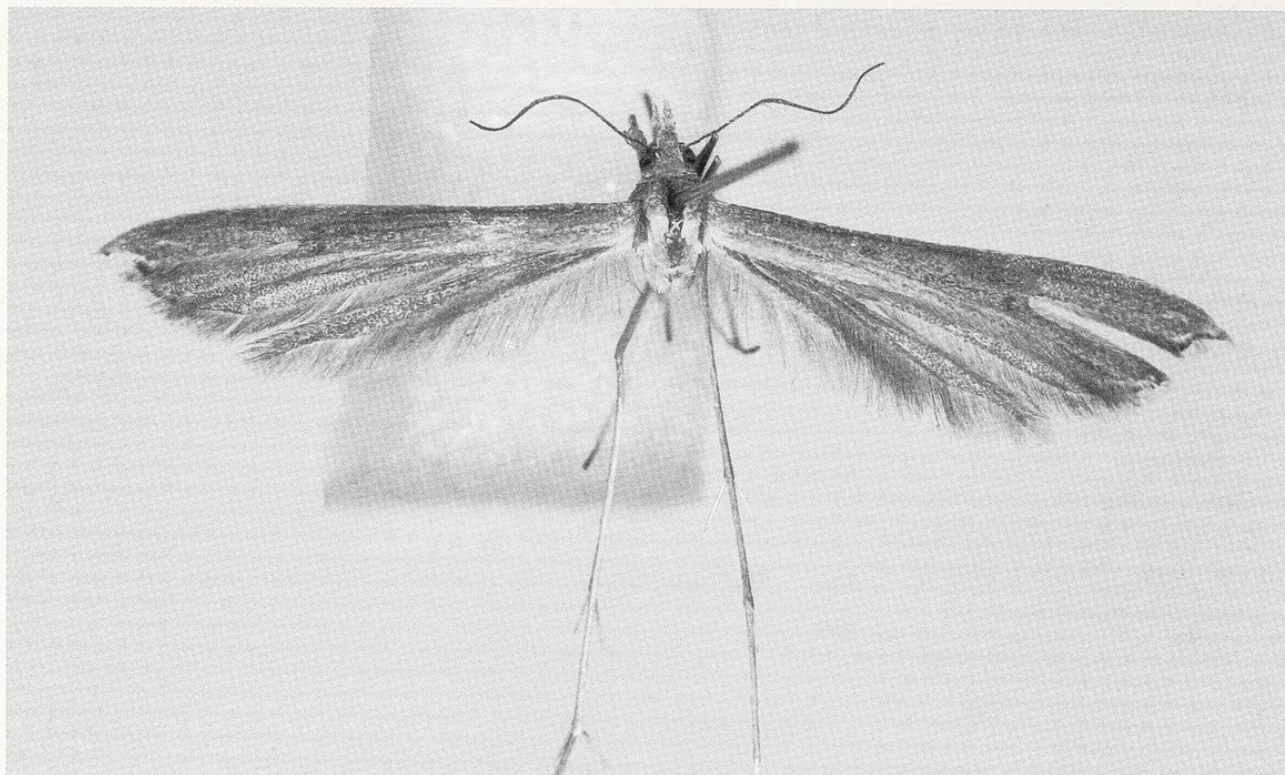


Fig. 1: *Stenoptilia garrevoeti* spec. nov. Holotype. Nepal, Humla, 42 km NW Simikot, 30°07'26"N 81°24'04"E, 3950 m, 14.vii.2008 (T. & J. Garrevoet).

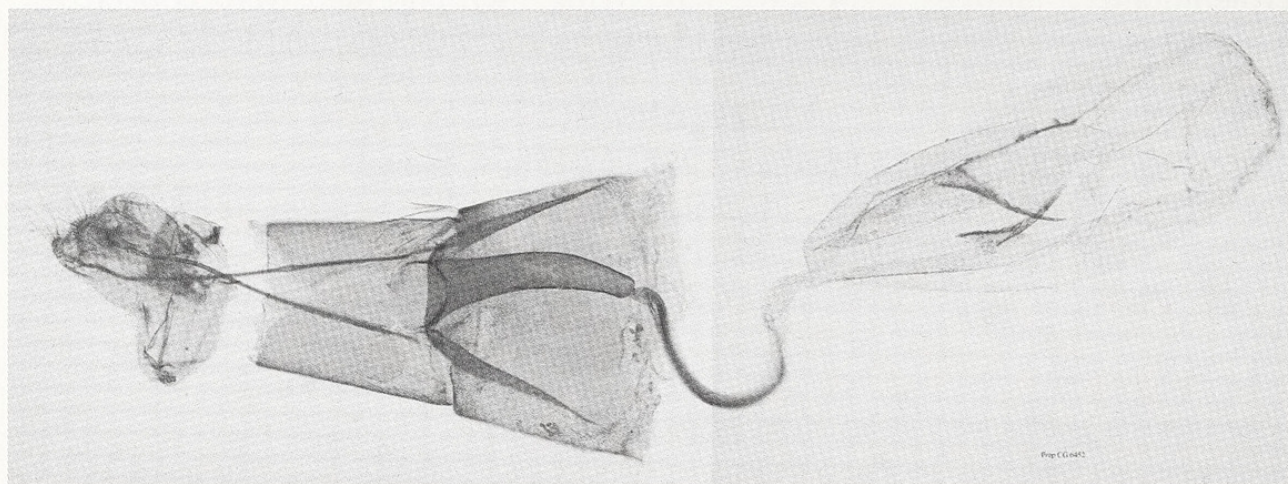


Fig. 2: *Stenoptilia garrevoeti* spec. nov. Female genitalia. Nepal, Humla, 42 km NW Simikot, 30°07'26"N 81°24'04"E, 3950 m, 14.vii.2008 (T. & J. Garrevoet)

**Description.** Female. Wingspan 17 mm. Head with appressed scales, vertex grey-brown, above eye longitudinal white line, ventrally ferruginous-brown; small conical frontal protrusion, 2/3rd of eye-diameter. Palps protruding, ferruginous; second segment distally widening, and covered with large scales, almost obscuring third segment. Antennae faintly ringed dark brown and grey-brown, shortly ciliated. Thorax and tegulae brown-grey. Hind legs pale grey-brown; two pairs of spurs, proximal pair of equal length, and distal pair with slightly longer medial spur.

Fore wings cleft from 9/14th, grey-brown. Markings dark brown; spot at base of cleft, dorsal half well-developed and costally poor developed; discal spot and some dark brown scales along dorsal margin of cell; some dark scales in first lobe. Fringes grey-brown with black basal line in terminal parts of both lobes. Underside ferruginous-brown, with scattered cream-white scales in the lobes, progressing terminally.

Hind wings and fringes ferruginous-brown. Underside ferruginous-brown. Venous scales in double row, dark ferruginous, costal row longer.

Male genitalia. Unknown.

Female genitalia. Ostium circular. Antrum circular excavated at tip, gradually tapering towards ductus bursae, three time width. Ductus bursae as long as antrum with curved sclerite. Bursa copulatrix vesicular, with pair of horn-like signa. Signa less than 1/4th of bursa length. Apophyses anteriores absent. Apophyses posteriores three times papillae anales.

Ecology. The moth flies in July, at an altitude of 3950 m. The hostplant is unknown.

Distribution. Nepal: Humla.

Etymology. The species is named after father and son Garrevoet. They are dedicated entomologists working on the family Sesiidae, with an open mind for entomology as a whole.

### Acknowledgements

I wish to thank Theo, Walter and Jan Garrevoet for their effort to collect Pterophoridae, and the kind donation of these specimens.

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