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【Research report】

台灣新增Ecapelopterus 屬一新種(同翅目：圓飛蟲科)【研究報告】

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Abstract

摘要

本文敘述、繪圖台灣新增圓飛蟲科一新種Ecapelopterus yehyuensis。

Key words:

關鍵詞: 同翅目、圓飛蟲科、分類、台灣。

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A New Species of *Ecapelopterum* of Taiwan (Homoptera : Issidae)

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ABSTRACT

A new species, *Ecapelopterum yehyuensis*, from Taiwan is illustrated and described.

Key words: Homoptera, Issidae, taxonomy, Taiwan.

台灣新增 *Ecapelopterum* 屬一新種 (同翅目：圓飛蝨科)

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摘 要

本文敘述、繪圖台灣新增圓飛蝨科一新種 *Ecapelopterum yehyuensis*。

關鍵詞：同翅目，圓飛蝨科，分類，台灣。

Introduction

The Issidae of Taiwan were recently reviewed by Chan and Yang (1991). During the first author's study of nymphs of Issidae for her Master's thesis, a new species was found. *Ecapelopterus yehyuensis* is here described and illustrated as new to science.

***Ecapelopterus yehyuensis* n. sp.** (Fig. 1)

Vertex, pro- and meso-notum brown, somewhat bluish green, with scattered pale brown spots. Frons and clypeus brown, with scattered pale brown spots; below frontoclypeal suture at both sides pale brown. Eyes black. Tegmina brown and pale brown alternately, somewhat bluish green. Legs brown and pale brown alternately.

Vertex quadrate, anterior margin angulate medially, posterior margin concave, without median carina, as wide at base as long in midline. Frons 1.2 times wider at widest part than long in midline. Lateral margin carinate, incurved at antennal level. Submedian and median carinae distinct at basal half, unit at a short distance below anterior margin of vertex, submedian carinae straight, divergent apically. Frontoclypeal suture distinct, entire. Clypeus ecarinate. Antennae with second segment longer than wide, about 1.4 : 1. Pro-notum with anterior margin at middle produced obtusely, posterior margin straight, 3.3 times wider at posterior margin than long in midline. Tegmina subquadrate with veins raised, Sc and R+M separately arising from base, without common stem, M 5-branched, Cu₁ 2-branched, Cu₂ fused with 1A apically.

Male genitalia: Anal segment in lateral view with ventral margin produced subtriangularly near middle, in dorsal view apical margin slightly incised medially, 1.4 times longer in midline than

wide at widest part, widest at apex. Phallobase at middle concave dorsomedially, ventral lobe at apical portion gradually convergent to apex at apical two-thirds and U-shaped incised at apex. Dorsal lobe nearly same as in *Ecapelopterus mirum* Chan and Yang. Processes of phalli nearly as in *E. mirum* except at terminal portion of distal process bearing each side a pigmented, additional process reaching to apex of main body, this present in *E. mirum* as a small, triangular process. Genital style subrectangular, at dorsoapical angle with a process, directed dorsad, dorsal margin sinuate near process.

Male: Length of body (includ.teg.): 12.7 mm.

Length of tegmen : 8.6mm.

Holotype: Male, Orchid Island, Taitung Hsien, 16-VIII-1989, C. L. Cheng. In National Chung Hsing University.

This new species is closely related to *Ecapelopterus mirum* Chan and Yang. It differs from the latter mainly by the phalli bearing each side a pigmented, additional process reaching to apex of main body, this present in *E. mirum* as a small, triangular process; length of body 12.7 mm. (9.8mm in *mirum*).

Acknowledgement

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Reference

Chan, M. L., and C. T. Yang. 1991. Issidae of Taiwan (in press).

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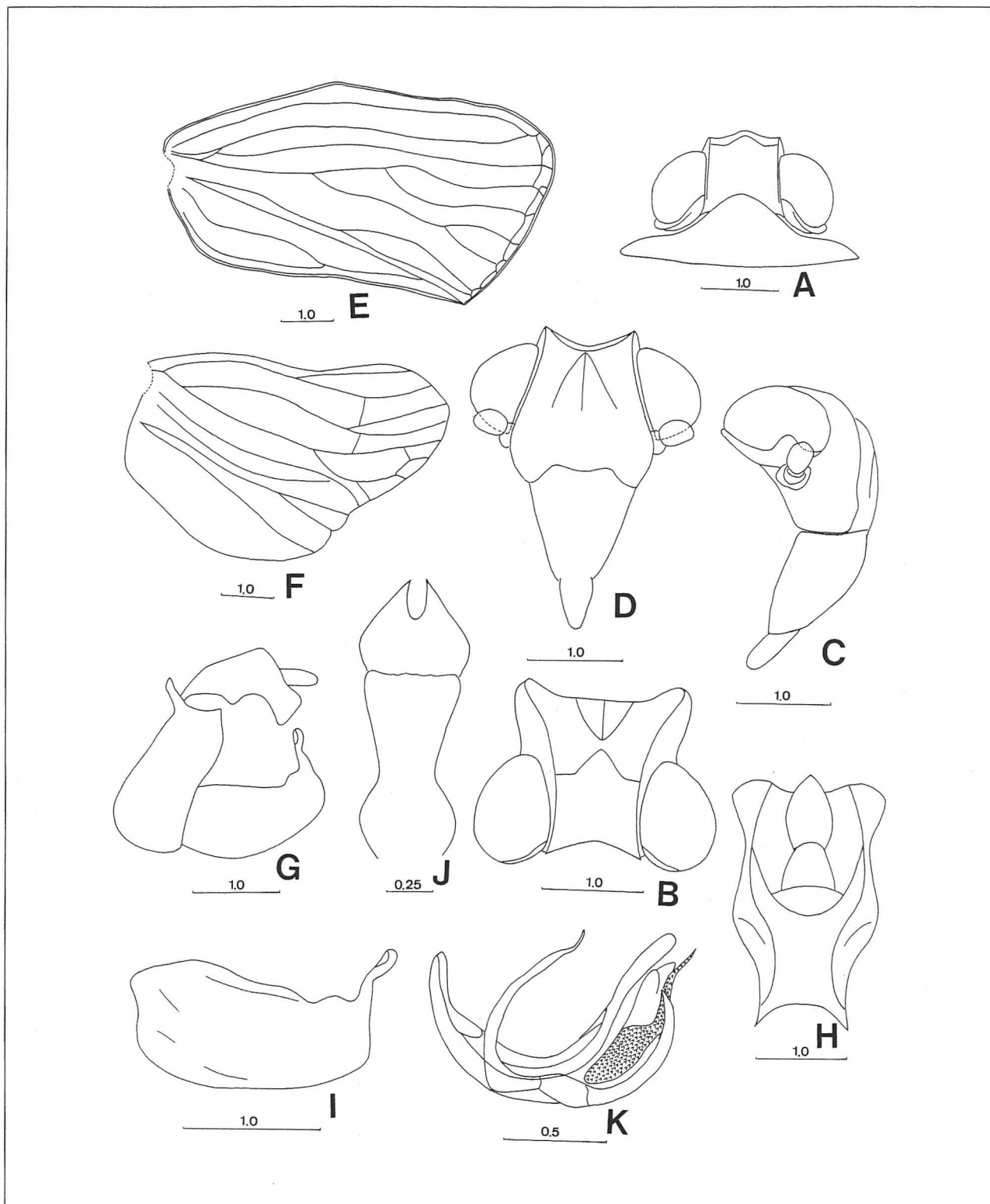


Fig.1. *Ecapelopterum yehyuensis* n.sp. A, head and pronotum, dorsal view; B, head, anterodorsal view C, the same, lateral side; D, the same, ventral view; E, tegmen; F, wing; G, male genitalia, lateral side; H, anal segment, dorsal view; I, genital style, lateral side; J, ventral lobe of phallobase, ventral view; K, phalli, lateral side.

