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Genus *Eupachypeltis* Poppius (Hemiptera: Miridae) of Taiwan **【Research report】**

臺灣產真頸盲椿屬(半翅目：盲椿科) **【研究報告】**

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Abstract

Two species of the genus *Eupachypeltis* Poppius from Taiwan are recognized. Among them, one species is described as new to science: *Eupachypeltis immanis* n. sp.

摘要

本文描述臺灣產真頸盲椿屬(*Eupachypeltis* Poppius)昆蟲兩種，包括一新種：巨真頸盲椿 (*E. immanis* n. sp.)，並附各種繪圖。

Key words: Miridae, Bryocorinae, *Eupachypeltis*, new species.

關鍵詞: 盲椿科、單室盲椿亞科、真頸盲椿屬、新種

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Genus *Eupachypeltis* Poppius (Hemiptera: Miridae) of Taiwan

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ABSTRACT

Two species of the genus *Eupachypeltis* Poppius from Taiwan are recognized. Among them, one species is described as new to science: *Eupachypeltis immanis* n. sp.

Key words: Miridae, Bryocorinae, *Eupachypeltis*, new species.

Introduction

Poppius (1915 a) established the genus *Eupachypeltis* Poppius and described type species *E. pilosus* Poppius from Pulo Laut. The genus can be recognized by frons with 3 tubercles bearing long hairs; body above and the antennae long and erectly pilose. Poppius (1915 b) described *E. flavicornis* Poppius from Taiwan. There are only two species in the world (Schuh, 1995). In this paper one new species are reported.

Type specimens are deposited at the Taiwan Agricultural Research Institute (TARI). Methods of dissection and terminology followed Hu and Zheng (1999).

Key to species of Genus *Eupachypeltis* Poppius in Taiwan

First antennal segment black, lateral side of neck without fuscous spot; scutellum brown, body small -----

---- *Eupachypeltis flavicornis* Poppius

First antennal segment brown; lateral side of neck with fuscous spot; scutellum yellow brown, body large -----

----- *Eupachypeltis immanis* n. sp.

Eupachypeltis flavicornis Poppius, 1915 (Figs. 1 A, 2 A, B)

Eupachypeltis flavicornis Poppius, 1915b : 55.

Male. Body elongate, densely pilose. Hemelytra with dense, pale and semi-erect long hairs. Head fuscous. Vertex with black spot. Frons tumid, with 3 tubercles bearing long hairs. Clypeal base brown suffused with fuscous. Rostral apex black and reaching apex of first coxa. Dorsal side of neck brown with lateral side fuscous. Antenna fuscous with black erect hairs.

Pronotum brown, lateral fuscous. Dorsal side of collar brown, lateral side fuscous and with dense, black and erect long hairs. Anterior pronotal lobe brown, lateral with dense, black and erect long hairs. Posterior pronotal brown with lateral 1/5 fuscous with black and erect long hairs. Scutellum brown. Clavus black with pale, semi-erect soft hairs. Corium yellow brown, with inner margin and apical 1/5

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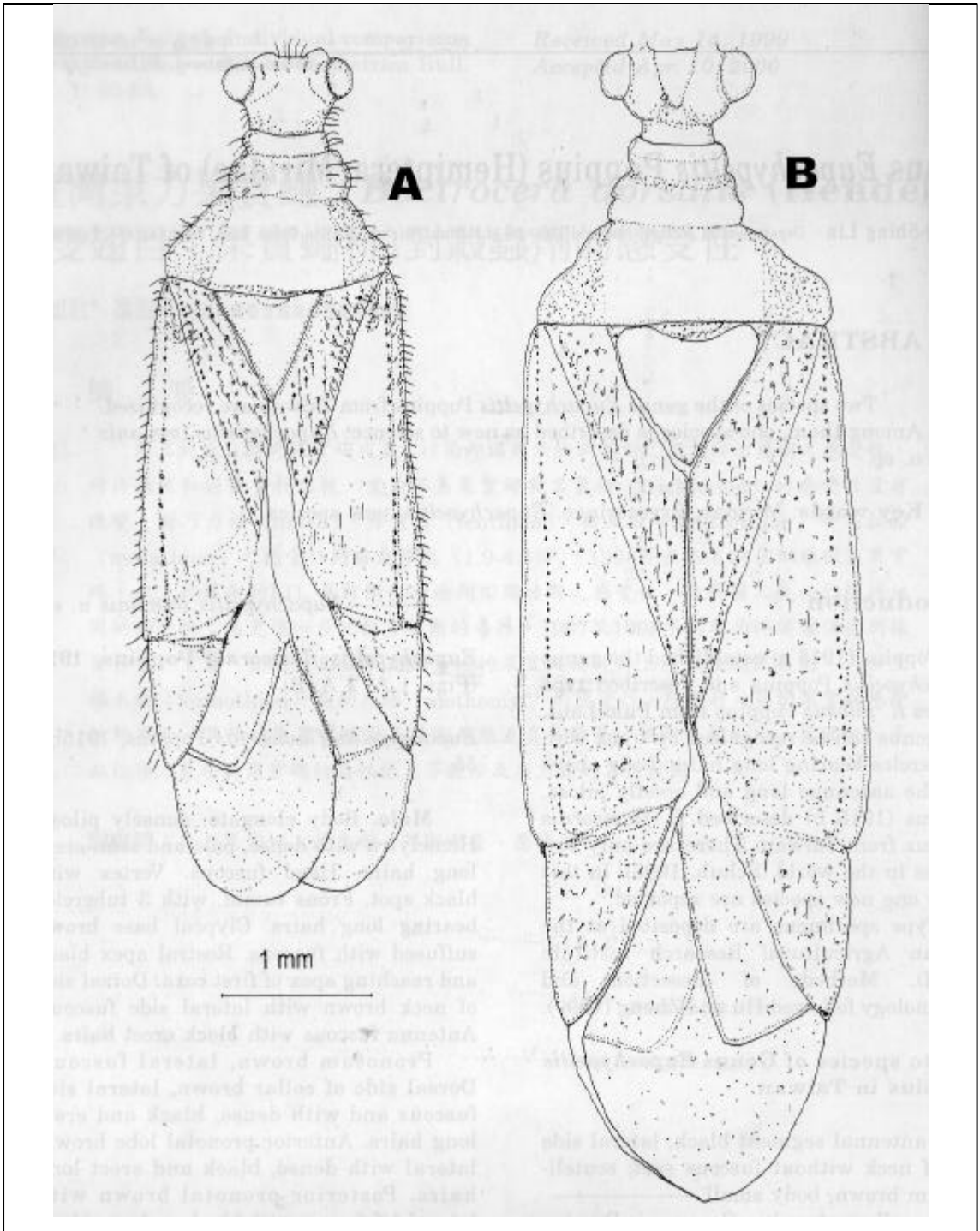


Fig. 1 A. Dorsal view of body of *Eupachypeltis flavicornis* Poppius. B. Dorsal view of body of *Eupachypeltis immanis* n. sp.

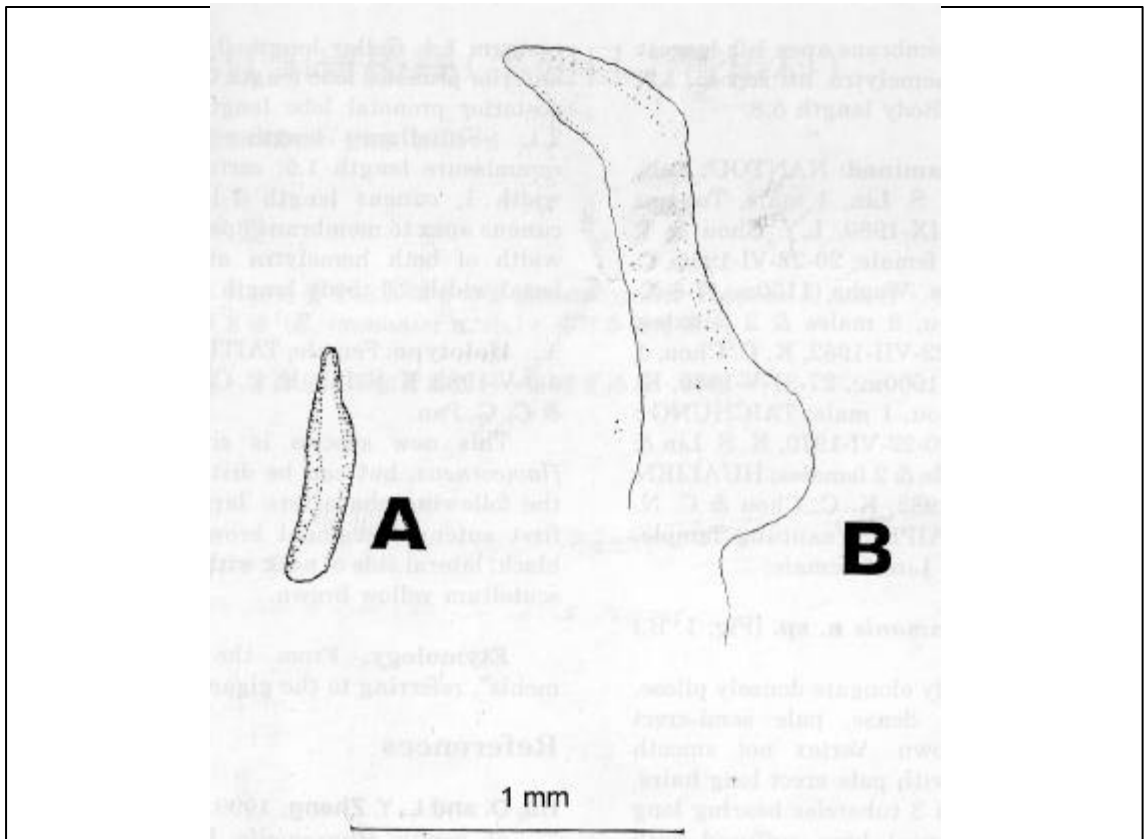


Fig. 2. A. Right paramere of *Eupachypeltis flavicornis* Poppius. B. Left paramere of *Eupachypeltis flavicornis* Poppius.

fuscous, with dense pale semi-erect hairs. Embolium yellow brown, outer margin with pale semi-erect hairs. Cuneus yellow brown with dense pale semi-erect hairs. Membrane grayish yellow with apical margin of cell straight. Legs brown with golden-yellow erect long hairs. Thoracic sternum and venter brown, sometimes suffused with fuscous, with dense pale semi-erect soft hairs.

Measurements (in mm): Head 0.9, inter-ocular distance 0.5; antennal segment length 0.8, 2.1, 0.9, 0.6; rostrum 0.9. Collar length 0.3, width 0.35; anterior pronotal lobe length 0.2, width 0.8; posterior pronotal lobe length 0.6, width 1.6. Scutellum length 0.8, claval commissure length 1.0; corium length 2.3,

width 0.6; cuneus length 0.9, width 0.7; cuneus apex to membrane apex 1.0; largest width of both hemelytra at repose 1.0; basal width 1.9. Body length 5.5.

Female. Very similar to male. Except first antennal segment fuscous, the rest brown. In lateral view of neck and collar brown instead of fuscous.

Measurements (in mm): Head width 1.0; inter-ocular distance 0.5; antennal segment length 0.9, 2.1, 1.2, 0.6; rostrum 0.9. collar length 0.3, width 0.6; anterior pronotal lobe length 0.5, width 0.9; posterior pronotal lobe length 0.6, width 1.6. Scutellum length 0.7, claval commissure length 1.1; corium length 2.4; width 0.7; cuneus length 0.8, width 0.6;

cuneus apex to membrane apex 1.0; largest width of both hemelytra at repose 1.0; basal width 1.9. Body length 5.8.

Material examined: NANTOU: Puli, 16-19-V-1951, K. S. Lin, 1 male, Tungpu (1200 m), 25-29-IX-1980, L.Y. Chou & T. Lin, 3 males & 1 female; 20-22-VI-1980, C. C. Chen, 1 female, Wushe (1150m), 7-8-X-1982, K. C. Chou, 3 males & 2 females, Hoshe (1000m), 22-VII-1982, K. C. Chou, 1 female, Lushan (1000m), 27-31-V-1980, K. S. Lin & L.Y. Chou, 1 male; TAICHUNG: Kukan (730m), 20-22-VI-1970, K. S. Lin & K. C. Chou, 1 male & 2 females; HUALIEN: Liyutan, 14-IX-1982, K. C. Chou & C. N. Lin, 1 female, TAIPEI: Yuantung Temple, 27-X-1961, K. S. Lin, 1 female;

Eupachypeltis immanis n. sp. (Fig. 1. B.)

Female. Body elongate densely pilose. Hemelytra with dense, pale semi-erect hairs. Head brown. Vertex not smooth slightly tumid, with pale erect long hairs. Fron brown with 3 tubercles bearing long erect hairs. Clypeal base suffused with fuscous. Rostrum apex brown and reaching apex of first coxa. Dorsal side on neck brown and lateral side of neck with fuscous spot. Antenna brown with brown long, erect hairs. Pronotum brown with dense, pale erect, long hairs. Anterior pronotal lobe suffused with fuscous. Posterior pronotal lobe brown with lateral 1/4 suffused with fuscous. Scutellum weakly tumid, yellow brown. Clavus fuscous with dense pale, semi-erect soft hairs. Corium brown, apical 1/5 fuscous. Embolium yellow brown densely with semi-erect soft hairs. Cuneus yellow brown with inner margin brown with dense pale long semi-erect hair. Membrane grayish yellow and apical margin of cell straight. Legs brown with dense long erect golden-yellow hairs.

Measurements (in mm): Head width 1.1; inter-ocular distance 0.5; antennal segment length 0.8, 2.7, 1.5, broken;

rostrum 1.4. Collar length 0.2, width 1.7; anterior pronotal lobe length 0.2, width 1.0; posterior pronotal lobe length 0.9, width 2.1; Scutellum length 1.0; claval commissure length 1.5; corium length 3, width 1; cuneus length 1.1, width 0.8; cuneus apex to membrane apex 1.3; largest width of both hemelytra at repose 2.5; basal width 2.1; body length 7.1.

Holotype: Female, TAITUNG: Lanyu, 4-9-V-1982, K. S. Lin, K. C. Chou, S. C. Lin & C. C. Pan.

This new species is similar to *M. flavicornis*, but can be distinguished by the following characters: large body size; first antennal segment brown instead of black; lateral side of neck with fuscous spot; scutellum yellow brown.

Etymology. From the Latin "im-menis", referring to the gigantic body size.

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摘 要

本文描述臺灣產真頸盲椿屬(*Eupachypeltis* Poppius)昆蟲兩種，包括一新種：巨真頸盲椿 (*E. immanisi* n. sp.)，並附各種繪圖。

關鍵詞：盲椿科、單室盲椿亞科、真頸盲椿屬、新種。