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A New Species of the Genus *Psallops* Usinger (Hemiptera: Miridae) from Taiwan 【Scientific note】

臺灣產薩盲蝽屬（半翅目：盲蝽科）之一新種【科學短訊】

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Abstract

A new species, *Psallops luteus* Lin, sp. nov., from Taiwan is described. A key to the species of the genus *Psallops* Usinger of Taiwan is included. Photographs and male genitalia are illustrated.

摘要

本文描述臺灣產橙斑薩盲蝽 (*Psallops luteus* Lin, sp. nov.)。並附臺灣產薩盲蝽屬種檢索表、新種及其雄性外生殖器圖。

Key words: Hemiptera, Miridae, *Psallops*, new species, Taiwan

關鍵詞: 半翅目、盲蝽科、狄盲蝽屬、新種

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A New Species of the Genus *Psallops* Usinger (Hemiptera: Miridae) from Taiwan

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ABSTRACT

A new species, *Psallops luteus* Lin, sp. nov., from Taiwan is described. A key to the species of the genus *Psallops* Usinger of Taiwan is included. Photographs and male genitalia are illustrated.

Key words: Hemiptera, Miridae, *Psallops*, new species, Taiwan

Introduction

The plant bug subfamily Psallopinae was established by Schuh (1976), and there are about 10 known species in the world (Schuh, 1995; Yasunaga, 1999; Lin 2004): *P. grandoculus* Linnarvuori and Alamy, 1982 from Saudi Arabia; *P. oculatus* Usinger, 1946 from Guam and the Mariana Is., Saipan; *P. ponapensis* Carvalho, 1956 and *P. yapensis* Carvalho, 1956 from the Caroline Is.; *P. myiocephalus* Yasunaga, 1999, *P. nakatanii* Yasunaga, 1999, and *P. yaeyamanus* Yasunaga, 1999 from Japan, *P. chinensis* Lin, 2004, from China; and *P. formosanus* Lin, 2004, and *P. leae* Lin, 2004 from Taiwan. In this paper, one new species from Taiwan is described.

Key to species of the genus *Psallops* Usinger of Taiwan

1. Scutellum with an orange spot -----
-----*P. luteus* Lin, sp. nov.

2. Scutellum without an orange spot----- 2
2. Scutellum with a white spot-----
-----*P. leae* Lin
- Scutellum without a white spot -----
-----*P. formosanus* Lin

Psallops luteus Lin, sp. nov. (Fig. 1A-F)

Male

Head ferrugineous, genae reddish-brown with silky, suberect setae (Fig. 1C). Rostrum fuscous, reaching abdominal segment IV. Antennal segment I club-shaped, basally narrow, wider at apex, brown, pubescent with erect silky hairs about 0.5 mm long, segment II long slender yellowish-brown, pubescent with blackish silky suberect hairs, segment III brown, narrower than segment II, pubescent with blackish silky hairs, segment IV brown, tail-shaped, pubescent with silky hair.

Pronotum fuscous, with uniformly distributed suberect setae, basal 1/3 fuscous and the rest silky white; mesoscutum fuscous; hair is the fuscous and orange

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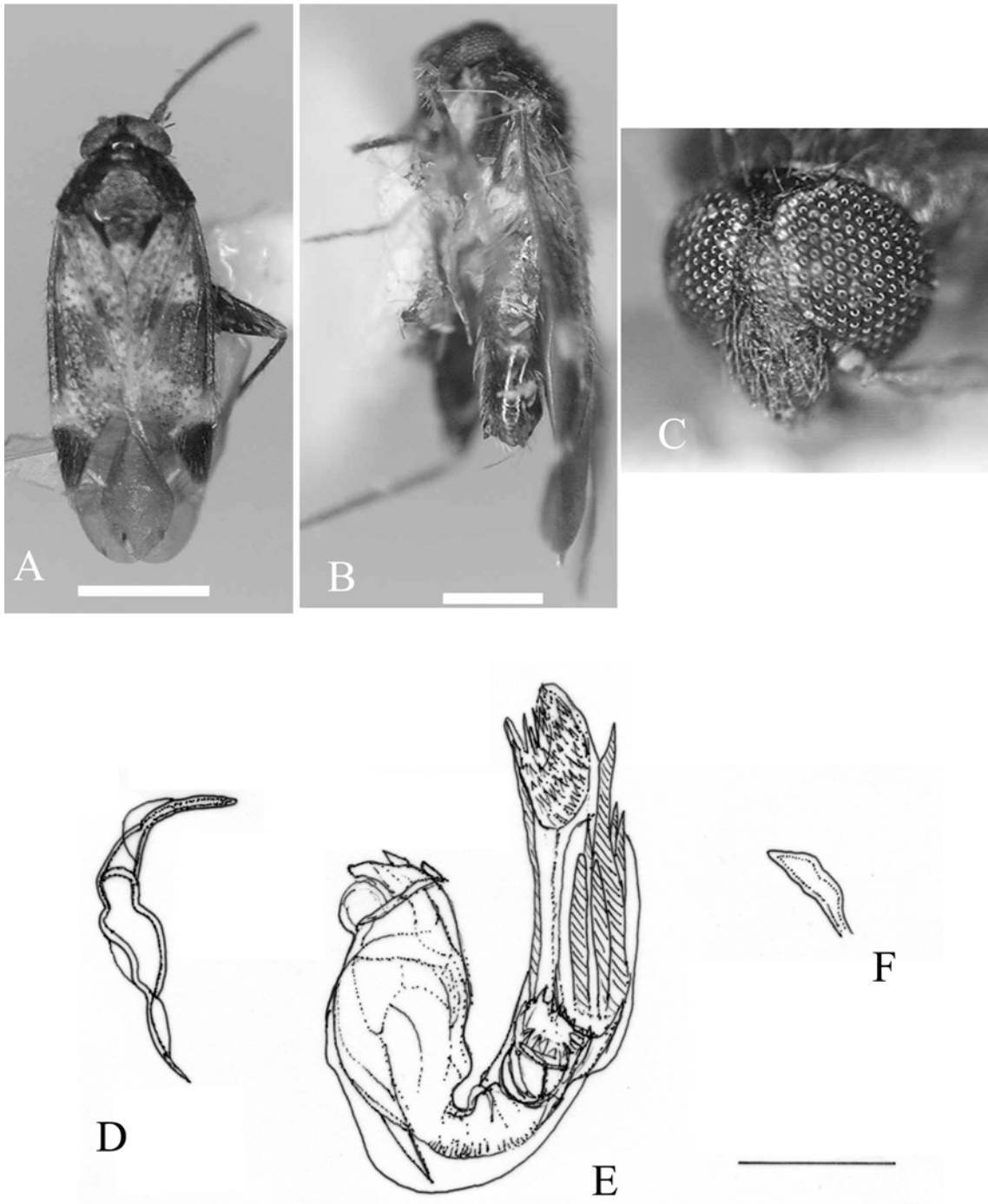


Fig. 1. *Psallops luteus* Lin, sp. nov. (A) Dorsal view; (B) lateral view; (C) frontal view; (D) left paramere; (E) phallus; (F) right paramere.

distributed on the scutellum; pleura mostly reddish-brown; ostiolar peritreme white. Hemelytra yellowish-white, with small uniformly distributed fuscous spots; corium mesial with large triangular fuscous marking continuing to mesial embolium; clavus mesial with large fuscous marking, basal margin with an orange spot; cuneus fuscous with an orange apex; membrane grayish-brown. Coxae yellowish-white; legs brown, basal parts of pro-femur and mid-femur yellowish brown; meta-femur fuscous, basal part red and yellow; meta-tibia basal 1/2 reddish-brown distal 1/2 yellowish-brown, tarsus yellowish-brown. Genitalia similar to *P. leae*, with basal portion of left paramere not protruding (Fig. 1D), phallus with a long, slender, pointed spine, and 5 short, stout spines (Fig. 1E).

Measurements (in mm): body length 3.2, width 1.5; head length 0.1, width 0.7, vertex 0.3; antennae 0.3: 1.1: 0.6: 0.4; pronotum length 0.4, width at base 1.1; rostrum length 1.6.

Holotype. ♂, PINGTUNG CO.: Hengchun, Kenting National Park, 10-III~14-IV-2005, C. S. Lin & W. T. Yang (Malaise trap). Paratype. 1 ♂, PINTUNG: Hengchun, Kenting National Park, 11-XI~5-XII-2005, C. S. Lin & W. T. Yang (Malaise trap). Holotype deposited in the National Museum of Natural Science, Taichung, Taiwan.

Remarks. The new species is similar to *P. leae*, but can be identified by the scutellum which is 1/2 orange, and the left paramere basal not protruding (Fig. 1D), phallus with a long, slender, pointed spine, and five short and stout spines (Fig. 1E).

Etymology. From the Latin, *luteus* (orange), referring to the scutellum which is 1/2 orange, and the orange spots on the hemelytra of this species.

Distribution: Taiwan.

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臺灣產薩盲蝽屬（半翅目：盲蝽科）之一新種

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摘 要

本文描述臺灣產橙斑薩盲蝽 (*Psallops luteus* Lin, sp. nov.)。並附臺灣產薩盲蝽屬種檢索表，新種及其雄性外生殖器圖。

關鍵詞：半翅目、盲蝽科、狄盲蝽屬、新種。