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# *Pyrops priscilliae* n. sp., a new Fulgoridae from Philippines (Hemiptera: Fulgoromorpha).

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## Keywords:

Hemiptera ; Mindoro ;  
Fulgoromorpha ; Mindanao ;  
Fulgoridae ; Philippines ;  
Fulgorinae ; taxonomy ;  
Laternarini ; new species.  
*Pyrops* ;

**Abstract.** – A new Fulgoridae collected in Mindoro (Philippines) is described and illustrated: *Pyrops priscilliae* n. sp. Besides, *Pyrops agusanensis* (Baker, 1925), a very rare species is illustrated with a specimen from Mindanao (Philippines).

**摘要:** フィリピンのもンドロ島で採集された新種のビワハゴロモの記載と掲載。

Nagai S., Porion T. & Audibert C., 2016. – *Pyrops priscilliae* n. sp., a new Fulgoridae from Philippines (Hemiptera: Fulgoromorpha). *Faunitaxys*, 4(2): 1 – 4.

キーワード: 半翅目、ビワハゴロモ上科、ビワハゴロモ科、テングビワハゴロモ属、ミンドロ島、フィリピン。

## Introduction

The oriental lantern-fly genus *Pyrops* is very famous for its large and beautiful species, widespread all around south-east Asia. Our study deals with Philippines species, with a focus on Mindoro and Mindanao islands.

According to FLOW (Fulgoromorpha Lists on The Web), nine species occur in Philippines. As far as we know, none of *Pyrops* species have been reported from Mindoro ; new collects of Fulgorids realized between 2010 and 2014 allowed to discover a new species for this island.

In addition, *Pyrops agusanensis* (Baker, 1925), a very scarce species in Mindanao island, is described and photographed. This species is not illustrated in Nagai & Porion (1996) nor in addenda (Nagai & Porion, 2002 & 2004). New specimens from Agusan valley (type locality) in eastern Mindanao and Bukidnon in central Mindanao (a new locality) give us an opportunity to illustrate this species.

## Abbreviations

– MHNL: Centre de conservation et d'étude des collections du Musée des Confluences, Lyon (collection Porion).

– EUM: Ehime University Museum. 3, Bunkyou-Cou, Matsuyama-City, Ehime Japan.

– PORION: Les Plots 07380 Jaujac, France.

## Taxonomy

*Pyrops priscilliae* n. sp.  
(Fig. 2 & 3)

### Material examined.

**Holotype** ♂ : Philippines, Oriental Mindoro island, Mt. Halcon IX. 2012 (EUM).

### Paratypes:

– Allotype ♀ : Philippines, Oriental Mindoro island, Mt. Halcon X/2011 (MHNL).

– 2 ♂, Philippines, Oriental Mindoro island, Mt. Halcon X/2012 (PORION).

– 1 ♂, same locality IX/2012 (EUM).

– 1 ♂, same locality XI/2012 (EUM).

– 1 ♂, same locality VI/2013 (EUM).

– 2 ♀, same locality IX/2010 (PORION).

– 4 ♀, same locality XI/2010 (EUM).

– 3 ♀, same locality X/2011 (1 in EUM, 2 in PORION).

– 1 ♀, same locality XI/2012 (EUM).

– 2 ♀, same locality VI/2013 (EUM).

– 2 ♀, Philippines, Mindoro island, Puerto Galera, sept. 2014 (PORION).

### Description of the holotype.

**Size.** – 52 mm. – Body length: 28 mm (incl. head process).

**Head.** – Black just around the eyes, clear orange/brown head process, long as nearly half of the length of one elytra, strong very slightly and regularly bent up and

dilated at apex. – *Head process* spotted with many very small white spots when the specimen is fresh enough.

**Thorax.** – *Pronotum* yellow/beige. – *Mesonotum* black, on the central area a more or less extended brown spot.

**Forewings.** – Brown to orange/brown. – On its first half from thorax, about a dozen of clear orange spots, all more or less egg-shaped. – On second half to apex, the orange spots become much smaller, all more or less circular. – *Veins* blue/green on first half from thorax. – Around apex all interveins areas are filled with dark brown colour, making the apical area darker.

**Hindwings.** – About half of the surface from base is sky blue nearly translucent; external half solid black.

**Legs.** – Clear brown to dark brown, seven spines on each tibia. – *Tarsa* dark brown or black.

**Abdomen.** – Black, each segment usually covered by white wax alongside the upper edge when the specimen is fresh, while the down edge is clear brown.

**Variations.**

**Male.** – Wingspan: 52 to 55 mm. – Body length: 28 to 30 mm (incl. head process).

**Female.** – Wingspan: 60 to 65 mm. – Body length: 32 to 34 mm (incl. head process).

**Derivatio nominis.** – This new species is dedicated to Priscillia Reynaud.

**Differential diagnosis.** – At first glance, *Pyrops priscilliae* looks very similar to *Pyrops maquilingana* (Baker, 1925) from very large neighbouring Luzon island, but its size is slightly larger, cephalic process is longer, stronger, more expanded at apex and more rectilinear, less bent up than *Pyrops maquilingana* process. Head process colour is orange/brown while it is fully green on *Pyrops maquilingana*; yellow maculations of elytras are comparatively smaller and paler than the vivid clear yellow maculations of *Pyrops maquilingana*.

近似種との相違点：本新種はルソン島から知られる *Pyrops maquilingana* (Baker, 1925) に近似するが、やや大型で、頭部の突起はより強壯で長く、側面観では直線的でより湾曲度は強い。頭部突起は赤褐色（ややオレンジ色を帯びる）を呈するが *P. maquilingana* では緑色味が強い。

上翅の黄色紋は小さくて淡色であるが *P. maquilingana* では鮮明な黄色である。

*Pyrops agusanensis* (Baker, 1925)  
(Fig. 1)

**Material examined.**

1 ♀: Philippines, Mindanao isld., Bukidnon, Panamokan, July 2014, local collectors (coll. PORION, to be



Fig. 1. - *Pyrops agusanensis* (Baker, 1925), ♀, Mindanao, Philippines, 86 mm (PORION).





**Fig. 2.** - *Pyrops priscilliae* n. sp., paratype ♂, Mindoro, Philippines, 53 mm (PORION).



**Fig. 3.** - *Pyrops priscilliae* n. sp., paratype ♀, Mindoro, Philippines, 65 mm (PORION).

deposited later in MHNL). **New locality.**

1 ♀ : Philippines, Mindanao isld., Sibagat, Agusan del Norte, April 2015, local collectors (coll. PORION).

**Description** (Fig. 1).

**Wingspan.** – 85 to 86 mm.

**Head.** – Beige. *Head process* dark brown with a median black line, it is very long, equals about the length of the whole body and bent up in the apical half.

**Thorax.** – Beige, with a wide medium black line on the *pronotum* following along the medium carena on the mesonotum, and one black spot at the base of the *mesonotum*, on each side of the medium black line.

**Forewings.** – Fully beige, many yellow-orange spots, of different sizes, all more or less circular, spangle the whole surface; all along the external edge of the elytron, from costa, media to cubitus alternates beige zones, most including a yellow spot, with black spots, media being nearly continuously black including the yellow-orange spots.

**Hindwings.** – Fully translucent, white or bluish green.

**Abdomen.** – Beige.

**Legs.** – Beige to dark grey, with black tarsi.

**Male.** – Unknown.

The species is named after the Agusan Valley (type locality).

**Differential diagnosis.** – Colors and designs of *Pyrops agusanensis* remind those of *Pyrops zephyria* (Schmidt, 1907) that is the only known species looking similar but the black spots all around the elytras, black spots and lines on head process and pronotum, and, most of all, the characteristic long cephalic development of *Pyrops agusanensis* makes it inconfondable.

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## Résumé

Nagai S., Porion T. & Audibert C., 2016. – Un nouveau Fulgoridae des Philippines : *Pyrops priscilliae* n. sp. (Hemiptera : Fulgoromorpha). *Faunitaxys*, 4(2): 1 – 4.

Un nouveau Fulgoridae, collecté à Mindoro (Philippines), est décrit et illustré : *Pyrops priscilliae* n. sp. Une autre espèce, *Pyrops agusanensis* (Baker, 1925), très rare, est illustrée à partir d'un spécimen de Mindanao (Philippines).

Mots-clés. – Hemiptera, Fulgoromorpha, Fulgoridae, Fulgorinae, Laternarini, *Pyrops*, Mindoro, Mindanao, Philippines, taxonomie, espèce nouvelle.

## Recommandations aux auteurs

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– la **présentation générale** du texte doit être conforme à celle des derniers articles parus dans la revue.

– ils peuvent être écrits en **français, anglais, allemand, espagnol** ou **italien**.

– s'ils contiennent des **descriptions**, elles devront suivre scrupuleusement les règles du "*Code international de nomenclature zoologique*".

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– les **illustrations** ne doivent pas être incluses dans le texte, mais fournies dans des fichiers à part.

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– les **opinions** émises n'engagent que la responsabilité de leurs auteurs.

– les **tirés à part** sont fournis sous forme papier (10 exemplaires offerts, les suivants à la charge de l'auteur, au tarif imprimeur) et sous forme électronique au format PDF.

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**Illustration de la couverture:** Tam-Awan Village, Baguio City, Philippines.

Tam-Awan village was created in 1998 in the respect of cultural heritage, with traditional huts, beautiful gardens and many relics and sculptures. It became the “Artists village”.

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