

A new species of the genus *Peritropis* UHLER from the Philippines  
with a redescription of *Peritropis nigripennis* BERGROTH  
(Heteroptera: Miridae: Cylapinae)

JACEK GORCZYCA

Department of Zoology, University of Silesia, Bankowa 9, 40-007 Katowice, Poland, e-mail:  
gorczyca@us.edu.pl

ABSTRACT. A new species *Peritropis nigra* is described on the basis of specimens collected in Mindanao Island. A picture of the dorsal habitus of the new species is given. A redescription of *Peritropis nigripennis* BERGROTH is also presented. The key to the species of *Peritropis* from the Philippines is provided.

Key words: entomology, taxonomy, Hemiptera, Heteroptera, Miridae, Cylapinae, *Peritropis*, new species, Mindanao, Philippines.

#### INTRODUCTION

The genera *Peritropis* UHLER and genus *Fulvius* STÄL are the most numerous within the mirid subfamily Cylapinae. Genus *Peritropis* is the most speciose in the Afrotropical Region but many species have also been described from Indo-Pacific area and from the Oriental Region (SCHUH 1995; GORCZYCA & EYLES 1997; GORCZYCA 2000; LINNAVUORI & GORCZYCA 2002). A few species are known from North and South America and a single one from Far East (SCHUH 1995).

At present ten species of this genus are known from the Oriental Region and four of them have been described from the Philippines.

Among the material housed in the Zoological Museum in St. Petersburg I found two females of the genus *Peritropis* collected in Mindanao Island. They represent a new species of the genus, its description is given below.

## ACKNOWLEDGEMENTS

I would like to express my sincere thanks to Prof. Izya KERZHNER for his help during my stay in St. Petersburg and for the loan of the material. I am also very grateful to Dr. Larry HULDEN from the Zoological Museum for his help during my stay in Helsinki and the loan of POPPIUS' and BERGROTH's types.

## TAXONOMY

KEY TO THE PHILIPPINE SPECIES OF THE GENUS *PERITROIPIIS*

1. Antennae covered with long, erect setae ..... *setosicornis* BERG.
- Antennae covered with short, closely fitting setae ..... 2.
2. Small insect, body narrow, length of the body about 3.0 mm ..... *electilis* BERG.
- Body markedly wider, length of body more than 3.50 mm ..... 3.
3. Pronotum and hemelytra covered with distinct pale swellings, patches and lines, scutellum with pale patches ..... *poppiana* BERG.
- Body and pronotum without pale swellings, scutellum entirely black except apex ..... 4.
4. Body entirely dark except the apex of scutellum, head with thin, silvery, longitudinal lines ..... *nigra* n. sp.
- Head and a part of pronotum pale, head without longitudinal lines .....  
..... *nigripennis* BERG.

***Peritropis nigra* n. sp.**

## TYPE MATERIAL

Holotype (female): Kolambugan, Mindanao; Staudinger & Bang-Haas; paratype (female): Kolambugan, Mindanao; Staudinger & Bang-Haas; *Peritropis* ? *nigripennis* Berg., Kerzhner det. 968 [handwritten]. Both housed in the Zoological Museum in St. Petersburg.

## DIAGNOSIS

This species is very similar to *P. nigripennis* BERGROTH but it can be distinguished by almost entirely black head and pronotum.

## DESCRIPTION

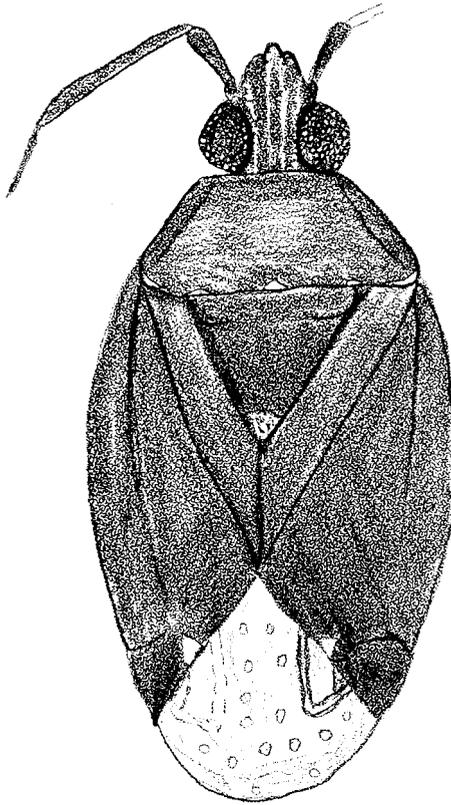
Female (male unknown). Body black, mat, covered with very short, pale, scale-like setae, length of the body 3.75 mm, width 1.70 mm. Head black with five thin, longitudinal, silvery lines, length of head 0.62 mm, width 0.70 mm, diameter of eye 0.17 mm. First antennal segment relatively thin, brown, second segment thin, almost cylindrical. brown, slightly darkened in the apical part. Third and fourth segments brown, very short. Length of antennal segments in mm: 0.42: 0.85: 0.20: 0.20. Rostrum brown, relatively short, reaching beyond mesocoxae. Length of rostral segments in mm: 0.60: 0.60: 0.55: 0.55.

Pronotum almost black, covered with very short, pale, scale-like setae, calli slightly raised with a hardly visible, longitudinal sulcus between them. Lateral margins slightly elevated, posterior margin with yellow strips on the humeral angles and three small, yellow patches in the middle. Mesoscutum entirely black, scutellum black with pale apex. Length of pronotum 0.60 mm, length of anterior margin 0.70 mm, lateral margins 0.60 mm, posterior margin 1.35 mm.

Hemelytra dark brown to black, covered with very short, pale, scale-like setae, embolium wide, cuneus brown, paler at apex and base. Membrane grey with small, pale spots, venation dark grey, major cell triangular (Fig. 1).

Underside of the body dark, abdomen entirely brown, coxae and trochanters pale, femora dark brown, paler and tinged with red at apex, tibiae brown and tarsi pale brown. Tarsi very short, two-segmented, claws with a very distinct subapical tooth.

DISTRIBUTION: Philippines: Mindanao.



1. *Peritropis nigra* new species, 1 - holotype, dorsal habitus

***Peritropis nigripennis* BERGROTH**

*Peritropis nigripennis* BERGROTH, 1920: 81

*Peritropis nigripennis*: CARVALHO 1957: 22; SCHUH 1995: 33

## TYPE MATERIAL EXAMINED

Holotype (female): Mt. Banahao, P. I.. Baker; Mus. Zool. H: fors, Spec. typ. No 3801, *Peritropis nigripennis* Bergr. [handwritten]; *Peritropis nigripennis* Bergr. [handwritten]. Housed in the Zoological Museum, University of Helsinki, Finland.

## DIAGNOSIS

This species is similar to *P. nigrita* n. sp., but differs from it in the characters given above. Both mentioned species can be distinguished from all other representatives of the genus by entirely black hemelytra.

## REDESCRIPTION

Female (male unknown). Body broad, stout, covered with very short, pale, scale-like setae. Length of the body 4.18 mm, width 2.25 mm. Head yellow with red pattern, vertex with a long, red, longitudinal sulcus, clypeus yellow with two red, longitudinal stripes and with a red spot at the base. Mandibular and maxillary plates chestnut, rostrum reaching beyond metacoxae, brown, the first segment tinged with red, remaining segments very thin. Length of rostral segments in mm: 0.52: 1.32 (second and third segments together): 0.48. The first and second antennal segments brown, covered with small, short, pale setae, first segment narrow at base then relatively thick, length of first antennal segment 0.48 mm, second segment broken in the examined specimen. Length of head 0.55 mm, width 0.85 mm, diameter of eye 0.20 mm.

Pronotum broad with longitudinal sulcus between calli, calli yellow with red spots, anterior sides of pronotum very dark, almost black. Posterior lobe of pronotum yellow with dark patches contiguous with the posterior margin. Humeral angles slightly elevated, yellow with small, dark patches, lateral margins elevated. Length of pronotum 0.70 mm, length of anterior margin 0.75 mm, lateral margins 0.80 mm, posterior margin 1.65 mm. Mesoscutum entirely black, scutellum black with pale apex.

Hemelytra unicoloured, dark brown to almost black, covered with dense, pale, very short, scale-like setae. Embolium wide with a small, pale patch at apex, cuneus dark with small pale patches at apex and base. Membrane dark grey with numerous pale spots, venation thin, brown, major cell triangular with a very small stub.

Underside of the body very dark, propleuron and mesepisternum almost black, ostiolar peritreme small, brown, coxae brown, remaining parts of legs mutilated, abdomen brown, slightly tinged with red.

DISTRIBUTION: Philippines: Luzon.

## REFERENCES

- BERGROTH, E., 1920. List of the Cylapinae (Hem., Miridae) with description of new Philippine forms. *Ann. Soc. Entomol. Belg.*, **60**: 67-83.
- CARVALHO, J. C. M., 1957. Catalogue of the Miridae of the World. Part I. Subfamilies Cylapinae, Deraeocorinae and Bryocorinae. *Arq. Mus. Nac., Rio de Janeiro*, **44**: 1-158.
- GORCZYCA, J., 2000. A systematic study on Cylapinae with a revision of the Afrotropical Region (Heteroptera, Miridae). *Wydawnictwo Uniwersytetu Śląskiego, Katowice*, 176 pp.
- GORCZYCA, J., A. C. EYLES, 1997. A new species of *Peritropis* UHLER, the first record of Cylapinae (Hemiptera: Miridae) from New Zealand. *New Zealand Journal of Zoology*, **24**: 225-230
- LINNAVUORI, R. E., J. GORCZYCA, 2002. Two new species of *Peritropis* UHLER from the Arabian Peninsula (Heteroptera, Miridae, Cylapinae). *Genus* **13**(2): 183-188.
- SCHUH, R. T., 1995. *Plant bugs of the World (Insecta: Heteroptera: Miridae)*. New York Entom. Soc., 1329 pp.