

ON THE GENUS *PLECTODEROIDES* MATSUMURA,  
WITH DESCRIPTION OF A NEW SPECIES  
FROM IS. YAKU-SHIMA  
(HEMIPTERA : ACHILIDAE)

By Yoshihiro Hori

Entomological Laboratory, College of Agriculture, Ehime University, Matsuyama

The Genus *Plectoderoides* was established by Dr. S. Matsumura in 1914 and is represented at present by five species. In this paper the description of a new species taken in Is. Yaku-shima, and a key to the six known species of the genus are given.

Before entering into the subject, I wish to express my cordial thanks to Prof. T. Ishihara, Prof. T. Tachikawa, Mr. M. Miyatake and Mr. S. Hisamatsu of Ehime University for their kind guidance and constant encouragement and sincere thanks are also due to Mr. M. Takagi, the collector of a valuable material.

Genus *Plectoderoides* Matsumura

Matsumura, 1914, P. 281 (Type, by the original designation: *Plectoderoides maculatus* Matsumura, 1914); Fennah, 1950, p. 71.

1. *Plectoderoides maculatus* Matsumura

Matsumura, 1914, p. 282, fig. 8 a-d.

Distribution: Formosa.

2. *Plectoderoides formosanus* Matsumura

Matsumura, 1914, p. 283.

Distribution: Formosa.

3. *Plectoderoides flavovittatus* Fennah

Fennah, 1956, p. 489, fig. 14 E-I.

Distribution: China (Mokansan, Che-Kiang Province)

4. *Plectoderoides uniformis* Fennah

Fennah, 1956, p. 490, fig. 15 F-G.

Distribution: China (Mokansan, Che-Kiang Province).

5. *Plectoderoides vittifrons* Ishihara

Ishihara, 1954, p. 26, fig. 17: 1-9.

Distribution: Is. Amami-Oshima

6. *Plectoderoides nigrifrons* sp. nov. (Fig. 1 A-F)

♀. Length 4.5 mm, id. (includ. tegmina) 6.2 mm. Body mostly black, excepting vertex, pronotum and eyes which are somewhat brownish. Scutellum levigate, with pale apex. Frons black except for latero-apical parts which are ivory-white. Clypeus ivory-white with infuscated distal half. Labrum light brownish. Rostrum paler. Antennae black. Eyes black tinged with red marginally. Ocelli reddish yellow. Tegulae blackish brown. Tegmina blackish brown, subhyalin, each with 10 whitish spots as figured, a dark area at base somewhat shining and another dark area near base markedly shining. Wings with a slightly dark tint and darker veins. Legs pale brownish, pro- and mesofemora each with two brownish longitudinal stripes.

Vertex nearly as long as width between the eyes, with anterior margin weakly rounded, medio-lateral carinae occurring about the middle of lateral carinae convergent

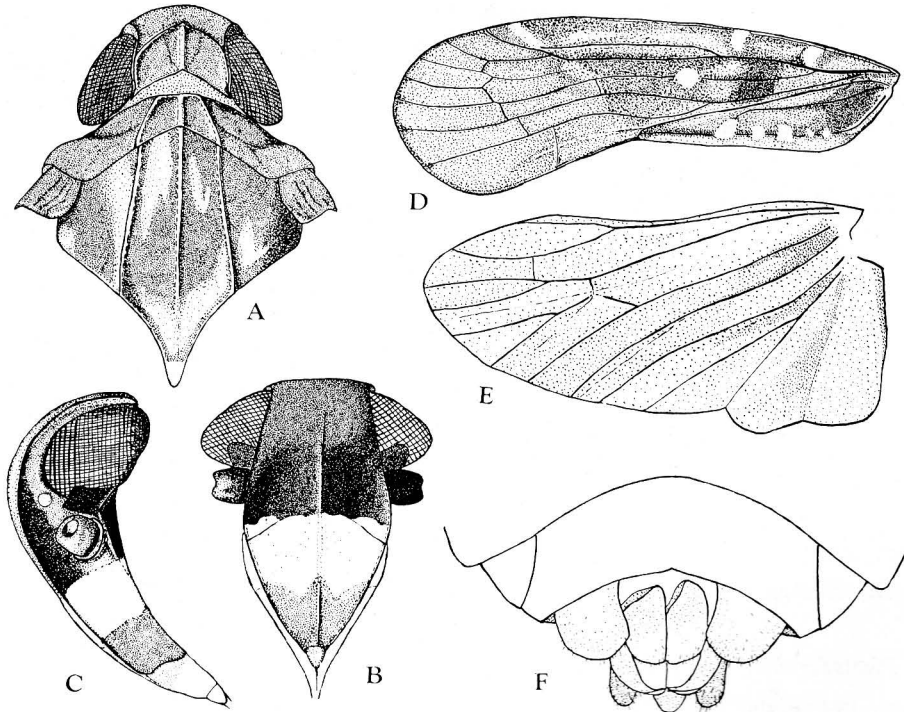


Fig. 1. *Plectoderoides nigrifrons* sp. nov.

A, Head and thorax; B, Frons and clypeus; C, Head in lateral view; D, Tegmen; E, Wing; F, Female genitalia in ventral view.

anterioly and confluent before reaching apex. Frons medially carinated excepting base, levigate and irregularly furnished with very small groove. Clypeus nearly as long as wide. Pronotum short, shortest medially, with three carinae distinct. Scutellum large, nearly as long as wide, with median carina vanished at apex. Tegulae somewhat wrinkled longitudinally. Post-tibiae with a spine about the middle and seven spines at apex. Basal and second metatarsal segments with six spines at each apex. Approximate ratio of metatarsal segments I: II: III=3: 2: 2.

Distribution: Is. Yaku-shima south of Kyushu, Japan.

Specimen examined: 1 ♀ (holotype), Kosugi-dani, Is. Yaku-shima, July 24, 1967, M. Takagi leg., in the collection of Entomological Laboratory, College of Agriculture, Ehime University, Matsuyama.

This new species resembles *P. formosanus* Matsumura in the markings of tegmina, it is however, easily separable from the latter by the coloration of face.

All the known species of the genus *Plectoderoides* may be identified by the following key.

#### Key to the species of the genus *Plectoderoides*

- 1 (4) Body stramineous.
- 2 (3) Tegmina translucent fuscous. Frons with a transverse bar both at base and at apex, a similar bar across clypeus. Basal metatarsal segment with seven spines at apex, the second with six ones. Genital styles elongate-triangular, a long curved knobbed process on inner face near base ..... *P. flavovittatus* Fennah
- 3 (2) Tegmina sordid yellow. Genital styles subquadrate, a small blunt eminence on inner face near base ..... *P. uniformis* Fennah
- 4 (1) Body dark brown or black.
- 5 (6) Frons black, dark brownish basally, with a yellowish band between antennae. Tegmina dark brown, with several whitish areas. Basal and second segments of metatarsus each with five spines. Genital styles very slender ..... *P. vittifrons* Ishihara
- 6 (5) Frons entirely black, without any transverse band.
- 7 (8) Clypeus with a whitish oblique band at the middle. Tegmina dark brown, with whitish spots five in clavus and three and in costal field. Male genital plates black and long-oval ..... *P. formosanus* Matsumura
- 8 (7) Clypeus without the whitish oblique band.
- 9 (10) Clypeus with an indistinct brownish band near apex. Tegmina dark brown with four whitish spots in clavus, and two in costal field. Male genital plates long coniform ..... *P. maculatus* Matsumura
- 10 (9) Clypeus infuscated distal half. Tegmina blackish brown, each with ten whitish spots. Basal and second metatarsal segments each with six spines at apex ..... *P. nigrifrons* sp. nov.

#### Main references cited

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