Brazilian Plecoptera 3. *Macrogynoplax veneranda* sp. n. (Perlidae : Acroneuriinae)

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A second species of the genus *Macrogynoplax*, hitherto known only from northern South America, is described from the State of São Paulo, in southeastern Brazil.


L'auteur décrit une deuxième espèce du genre *Macrogynoplax*. Cette espèce a été récoltée dans l'Etat de São Paulo, dans le Sud-Est du Brésil, alors que ce genre n'était connu que de la partie septentrionale de l'Amérique du Sud.

*Macrogynoplax veneranda* sp.n.

General colour light green in life due to a haemolymph pigment ; wings very pale ; preserved specimens pale yellowish to ochreous. Distance between ocelli a little larger than distance from each ocellus to inner margin of the eye. Head and pronotum, Fig. 1. Fore wings 18.5 mm long in male holotype, 16.7 and 16.5 mm long in male paratypes ; 17.7 to 19.7 mm long (X = 18.6 mm, s = 0.80, N = 5) in female paratypes. Rs with 4-5 branches.

Male.

Subgenital plate large, roughly elliptical, narrowed at base ; ventral knob rounded, bordered by long bristles basally and laterally (Fig. 2). Tergite X (Fig. 3) with a pair of posteromedial fields of modified hairs or bristles, some of them short and thick (Fig. 4) ; median strip bare. Paraprocts with a subapical tooth and small hairs at the top (Fig. 5). Penial armature (Figs. 6-8) without a basal ring, lateral bars broader dorsobasally and apically, supporting apically a pair of lateral folds ; penis tip membranous with sparse small hairs, small hairs also present ventrally between the lateral bars. Everted penis, Fig. 9.

Female.

Subgenital plate large, covering about half of sternite IX, sternite VIII with a basal reniform elevation and a central depression (Figs. 10-11). Sternite IX with a pair of heavily sclerotized bars, without any special tract of larger hairs (Fig. 12). Tergite X unmodified, a small elongate median area bare (Fig. 13).

Nymph.

General habitus similar to that of a *Kempnyia* nymph, but with only two well-spaced ocelli, and fore legs with dilated femora and curved, raptorial tibiae. A pair of anal gills present, in addition to the normal thoracic gills. General colour ochreous to ferruginous.

Material.


Etymology.

Veneranda, after Ribeirão Venerando, a stream inside the Biological Station of Boracéia, source of the larger part of the material, and where nymphs are common under stones or between fallen leaves retained by obstacles.

Discussion

The genus *Macrogynoplax* was known from its single described species, *M. guayanensis* End., from northern South America (Guyana, and State of Pará, Brazil). Zwick (1973) redescribed both the male and the female from Enderlein's material. The present species agrees with its northern congener by the presence of only two well-spaced ocelli, the rounded ventral knob of the male subgenital plate, the general characteristics of the male tenth tergite, and the large female subgenital plate ; this plate however.

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Fig. 1-9. *Macrogynoplax veneranda* sp. n. 1: Female paratype (9.X.77), head and prothorax, dorsal view. 2-8: Male holotype; 2, sternite IX and subgenital plate; 3, tergite X; 4, enlarged portion of tergite X, showing the posteromesial field of modified hairs and bristles; 5, left and right paraprocts, from the left side; 6-8, penis in dorsal, lateral and ventral views, respectively. 9: Male paratype (19.VII.63), everted penis.
is smaller than that of *M. guayanensis* and of a size normally found in some *Kempnyia* species. The penis is somewhat peculiar but not incompatible, as the lateral bars may have fused ventrally to produce the *guayanensis* type. In contrast to *Kempnyia*, both species of *Macrogynoplax* lack sclerotized hooks.

The pale colour of the preserved *M. guayanensis* probably means that it is greenish in life.

**Literature cited**