

Elanela kerzhneri sp.n., a new species of Pentatomidae from Brazil
(Hemiptera: Heteroptera: Pentatominae)*

Elanela kerzhneri sp.n., новый вид Pentatomidae из Бразилии
(Hemiptera: Heteroptera: Pentatominae)*

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KEY WORDS: Hemiptera, Pentatominae, Neotropics, new species, taxonomy.

КЛЮЧЕВЫЕ СЛОВА: Hemiptera, Pentatominae, Неотропики, новый вид, таксономия.

ABSTRACT. *Elanela kerzhneri* sp.n., based on a male collected in Ouro Preto, state of Rondônia, Brazil is described and illustrated.

РЕЗЮМЕ. НОВЫЙ ВИД — *Elanela kerzhneri* sp.n. описан по одному самцу, собранному в Оуро Прето, штат Рондония, Бразилия. Приведены фотография внешнего вида и рисунки пигофора.

Introduction

The monotypic genus *Elanela* Rolston is included in Section 3 of Pentatomini [Rolston et al., 1980] which is characterized by the presence of a median tubercle on third abdominal urosternite. Description of *E. hevera* Rolston, 1980, the type species of *Elanela*, was based on a female from Iquitos, Peru.

Grazia [1989] described the male of *E. hevera* based on specimens belonging to the Leiden Museum and the Brazilian collections Museu Paraense Emilio Goeldi (Belém, Pará), and Coleção CEPLAC (Belém, Pará). The study of additional specimens received from northwestern Brazil revealed a new species which is here described and compared with *E. hevera*. *Elanela* is known from Suriname, Peru (Iquitos), and Brazil (Amapá, Amazonas, Pará, and Rondônia) in the northwestern component of the Neotropical region, according to Amorim & Pires [1996].

A total of 11 morphometric parameters was measured; measurements are in millimeters. The genitalia were cleared with 10% KOH and stained with Congo

Red. Illustrations were made with a drawing tube attached to a stereomicroscope. Genitalic terminology follows Dupuis [1970]; the holotype is deposited in the Museu de Ciências Naturais, Fundação Zoológica do Rio Grande do Sul, Porto Alegre, Brazil (MCNZ).

Systematic part

Elanela kerzhneri Grazia & Silva sp. n.
Figs 1–3

MATERIAL. Holotype ♂: Brazil, Rondônia, Ouro Preto, 22.III.1979 leg. A.C. Mendes (MCNZ).

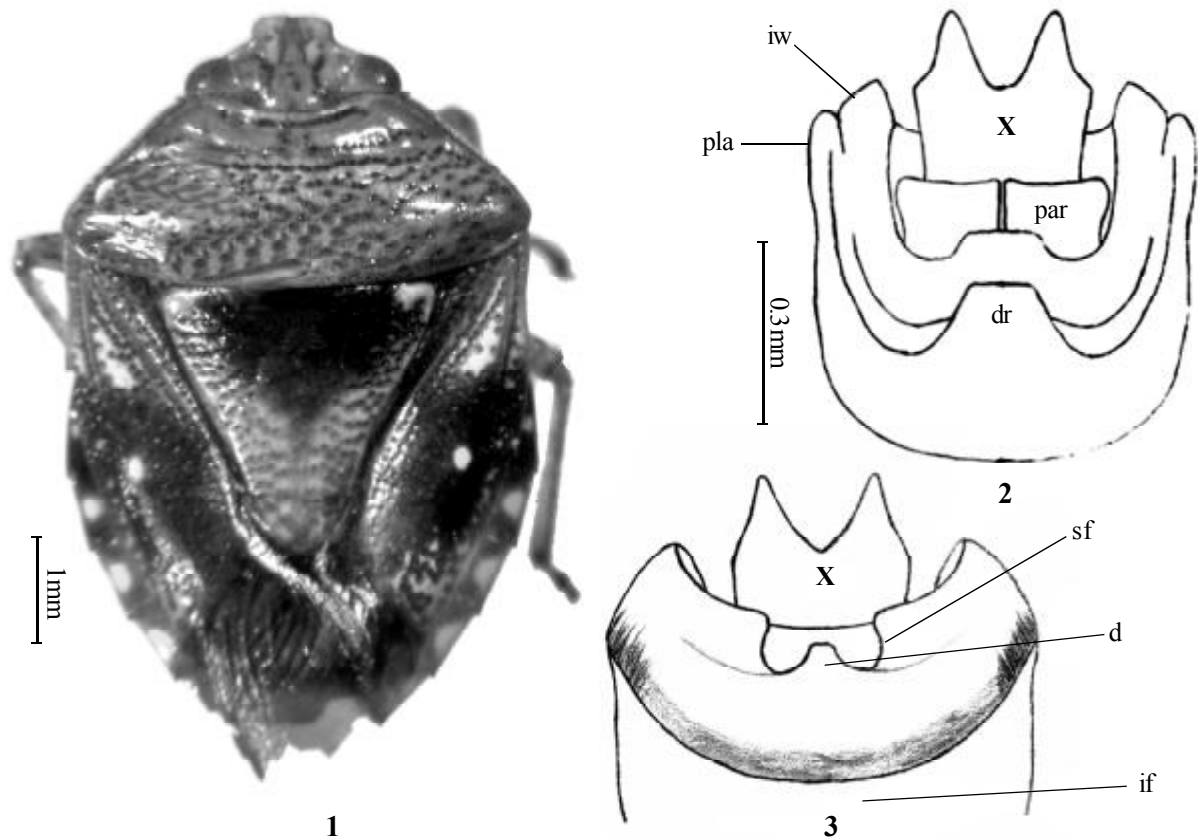
DESCRIPTION. This species is very similar to *E. hevera* in dorsal aspect and size (Fig. 1); it can be distinguished by the morphology of the pygophore especially by the structure of parameres and segment X. (Figs 2–3).

Measurements: total length 6.15, head length 1.06, anteoocular length 0.41, pronotal length 1.47, scutellar length 2.29, head width 1.80, interocular width 0.90, interocelar width 0.36, pronotal width 3.93, scutellar width 2.29, abdominal width at third segment 3.93, antennal segments missing.

Dorsal surface matte, darker than in *E. hevera*; disc of scutellum and corium with wider dark brown spots; membrane of hemelytra heavily infuscate. Lateroventral thirds of abdomen with dark brown spots in addition to the oblong spot on median third.

Male genitalia. Pygophore subquadrangular, posterolateral angles developed; lateral thirds of dorsal rim heavily depressed, inner wall of genital cup tumescent, posteriorly triangular, surpassing posterolateral angles of pygophore. Parameres quadrangular in dorsal view, juxtaposed along mid line, and covering the base of the plate-like and wide segment X; apical margin of segment X

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Figs. 1–3. *Elanela kerzhneri* sp. n. 1 — holotype, dorsal view; 2 — pygophore, dorsal view; 3 — ventral rim of pygophore (d — denticle, dr — dorsal rim, if — inferior fold of ventral rim, iw — inner wall of genital cup, par — parameres, pla — posterolateral angles, sf — superior fold of ventral rim, X — segment X)

Рис. 1–3. *Elanela kerzhneri* sp. n. 1 — голотип, сверху; 2 — пифофор, сверху; 3 — вентральный обод пифофора (d — зубец, dr — дорсальный обод, if — нижняя складка вентрального обода, iw — внутренняя стенка генитальной капсулы, par — параметры, pla — постеролатеральные углы, sf — верхняя складка вентрального обода, X — X сегмент брюшка).

with a V-shaped notch, deeper than in *E. hevera* (Fig. 2). Inferior fold of ventral rim of pygophore with a deep semicircular excavation; superior fold sinuate, median third with a U-shaped notch bearing a denticle at middle (Fig. 3).

ETYMOLOGY. This species is named in honor to Dr. Izyaslav Kerzhner for his outstanding contribution to the knowledge of the true bugs.

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