**Schreiteriana klagesi** sp.n. (Lepidoptera: Cossidae, Zeuzerinae) from Brazil

**Schreiteriana klagesi** sp.n. (Lepidoptera: Cossidae, Zeuzerinae) из Бразилии

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KEY WORDS: entomology, biodiversity, Carpenter moths, Zeuzerinae, fauna, Neotropical Region.

КЛЮЧЕВЫЕ СЛОВА: энтомология, биоразнообразие, древоточцы, фауна, Неотропический регион.

Material and methods

Images of imago were taken by the camera of Canon EOS 70D and illuminated in Lightbox. The male genitalia slides [Lafontaine, 2004] were examined with an Olympus SZX16 microscope. The images were taken with the Olympus SZX16 camera. The genitalia and imago images were processed using Corel Draw software.

Description of new species

**Schreiteriana klagesi** Yakovlev, Naydenov et Penco, sp.n. Figs 1–4.

**MATERIAL.** Holotype, #, Fonte Boa [2°30´50´´ S / 66°05´45´´ W], Amazonas, [Brazil] July 1906. (S. M. Klages) (Natural History Museum, London, individual number: NHMUK: 012832492, slide number NHMUK: 010315523); 9 paratypes, Fonte Boa, Amazonas, July 1906. (S. M. Klages) (Natural History Museum).

**DESCRIPTION.** Length of fore wing of the holotype 14 mm (paratypes 13–14 mm). Head, thorax and abdomen light-brown. Antenna bipectinate in proximal half, in distal half crest processes very short, hardly noticeable. Crest processes is proximal half 2–3 times longer than antenna rod diameter. Fore wing light-brown, with small brown stroke in root area (at costal edge) and at top of discal cell, veins contrasting, brown, border brown, fringe brown, unicolorous. Hind wing light-brown without pattern, veins contrasting, brown, border brown, fringe brown, unicolorous.
Male genitalia (Slides NHMUK: 010315523 and 010315524). Uncus long, with triangle base, pin-likely narrowing in medium third, apex spear-pointed; gnathos arms ribbon-like, relatively wide, smoothly narrowing from base to apex; gnathos absent; valve gradually narrowing from base to apex, relatively narrow, apex semicircular; costal edge almost smooth, abdominal edge (2/3 of its proximal part) wavy, with semicircular notches; juxta robust, semicircular, with long wide ribbon-like lateral processes; saccus semicircular, massive; phallos thick, of equal thickness throughout its length, slightly curved in medium third, with spirally curved big lamellar cornutus and a large zone of scabination in basal portions of vesica.

DIAGNOSIS. The new species differs clearly from all the known species of the genus in the series of characters: the light-brown color of the wings, the contrasting dark-brown veins and the wavy abdominal edge of the valve.

ETYMOLOGY. The new species is named after the collector of the type series, Samuel M. Klages (1875–1957), a well-known collector of South American birds and insects [Kirwan et al. 2015].

DISCUSSION. Schreiteriana klagesi Yakovlev, Naydenov et Penco, sp. nov. was found in western Brazil (the province Amazonas), from where we previously described a new genus, Klagesiana Yakovlev, Naydenov et Penco, 2020 [Yakovlev et al., 2020]. According to Morrone [2014], this locality is on the border of two biogeographical dominions – Boreal Brazilian (Imerí Province) and South Brazilian (Madaíra Province). Both regions are characterized by a significant level of endemism in various groups of animals. The study of the specimens collected on the borders of biogeographical dominions, are of great importance for the further research of the borders of the biogeographical regions.

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Competing interests. The authors declare no competing interests.

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