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A new species of *Afroarabiella* Yakovlev, 2008 (Lepidoptera, Cossidae) from the Republic of South Africa, including a world catalogue of the genus

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The genus *Afroarabiella* Yakovlev, 2008 (Lepidoptera: Cossidae) was established for *Cossus tahamae* Wiltshire, 1949 by Yakovlev (2008). Currently, seven species are included in the genus (Yakovlev 2008). Yakovlev (2011) added an additional new species, *A. tanzaniae* Yakovlev from Tanzania. Members of the genus are widespread from the southwestern Arabian Peninsula and throughout much of Africa (Fig. 1). During the studies of Lepidoptera by Petr Ustjuzhanin (Novosibirsk, Russia) and Vasilij Kovtunovich (Moscow), a new species of the genus *Afroarabiella* was discovered and the description is given below.

Description of a new species

Afroarabiella namaquensis Yakovlev, sp. nov.

(Figs 2–4)

Type. Holotype: male, Republic of South Africa, Northern Cape, 100 km W Upington, Augrabies N.[ational] P.[ark], Orange River, S28°34'60"; E20°15'57", 05.01.2008, leg. V. Kovtunovich & P. Ustjuzhanin. Deposited in the Zoological Institute, St.Petersburg, Russia.

Description. Antennae bipectinate; pecten long, 5X longer than diameter of bar. Thorax and abdomen densely covered with pale yellow hairs. Forewing length, 11 mm. Forewing light-grey, with wavy pattern. Costal edge of forewing and basal portion darker; middle of discal area with a thin wavy band, two thin bands situated on edge of postdiscal and discal areas (divergent at angle from one point on costal edge); one band extended to middle third of lower edge of wing (reaching cell M_3 -CuA1), second band extended to the tornal angle (reaching vein M_3); thin transverse band in submarginal area from costal edge to vein M_1 ; edge of wing with thin light band; fringe long, grey. Hindwing light-grey, without pattern, with thin light band on edge, fringe long, grey.

Male genitalia. Uncus rather long, conical, with slightly pointed apex. Tegumen medium-sized. Branches of gnathos thick, medium-sized. Gnathos stout, very thickly covered by small spicules. Valva rather narrow, nearly parallel-sided, with nearly smooth edges, with indistinct transition zone between sclerotized basal portion and membranous, slightly narrowed distal portion; apex semispherical, broad. Transtilla rather stout, strongly sclerotized, processes rather slender, short, with broad base and pointed apex. Juxta medium-sized with very broad (1.5X broader than basal portion of processes of transtilla) lobe-like lateral processes, divergent at 180°. Saccus poorly developed, semispherical. Aedeagus shorter than valva, thick, even over all length, slightly arcuate in middle 1/3, with slightly pointed apex. Aperture of vesica in dorso-apical position, 1/5 length of aedeagus. Vesica without cornuti.

Female unknown.

Diagnosis. The new species differs from all other members of the genus by the male genital characters: transtilla with weakly pointed, nearly straight processes; juxta with very broad, lobe-like lateral processes; and nearly parallel-sided valvae.

Etymology. Toponymic name. Namaqualand refers to the deserts in the southwestern Republic of South Africa.

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