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NEW SPECIES OF PLUME MOTHS OF THE GENUS *AGDISTIS* HÜBNER, 1825 (LEPIDOPTERA: PTEROPHORIDAE, AGDISTINAE) FROM SOUTHERN AFRICA. 5

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[Ковтунович В.Н., Устюжанин П.Я. Новые виды пальцекрылок рода *Agdistis* Hübner, 1825 (Lepidoptera: Pterophoridae, Agdistinae) из Южной Африки. Сообщение 5]

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Ключевые слова: Pterophoridae, Agdistis, пальцекрылки, Южная Африка, новые виды

Summary. Three new species of plume moths are described from South Africa: *Agdistis springbok* Kovtunovich & Ustjuzhanin **sp. n.**, *Agdistis insolitus* Kovtunovich & Ustjuzhanin **sp. n.**, *Agdistis capensis* Kovtunovich & Ustjuzhanin **sp. n.**

Резюме. Описываются три новых вида пальцекрылок из Южной Африки: *Agdistis springbok* Kovtunovich & Ustjuzhanin **sp. n.**, *Agdistis insolitus* Kovtunovich & Ustjuzhanin **sp. n.**, *Agdistis capensis* Kovtunovich & Ustjuzhanin **sp. n.**

INTRODUCTION

The fifth part (the previous parts were published earlier [Kovtunovich & Ustjuzhanin, 2009 a, b; 2010 a, b]) of the present paper is a continuation of our studies of the genus *Agdistis* Hübner, 1825 in South Africa. The work is based on the materials collected by the authors and their colleagues entomologists during the field trips of 2008-2009. Three new species were revealed during the study of our materials along with the collections of Transvaal Museum (TM, Pretoria). Holotypes of the newly described species are kept in the Natural History Museum (BMNH, London) and Transvaal Museum (TM, Pretoria); paratype of *Agdistis insolitus* sp.n. is kept in the private collection of the authors (Col.Ust.& Kovt., Russia, Novosibirsk, Moscow).

Agdistis springbok Kovtunovich & Ustjuzhanin sp. n.

Material examined: Holotype, male, BMNH, gen. pr. 22918, S. Africa Rep., Northern Cape, 5 km SE of Springbok, Koperberg farm, 29°42' S, 17°55' E, 03-04.10.2009, leg. Kovtunovich V. & Ustjuzhanin P.

External characters (col. pl. I: *1*). Forewing length 10 mm. Wingspan 21 mm. Forewing gray with four dark dots: one at the costal margin near the apex, the other three make a row in the discal part of the wing. Hindwing monotonous grey.

Male genitalia. Valvae asymmetrical (col. pl. I: 2). Left valva visibly divided into distal and proximal section, with oblique outer margin; right valva in the middle part with shallow incision and papilliform outgrowth. Costal processes on both valvae symmetrical, comb-like, hardly reach beyond the middle of valvae length. Uncus bulb-shaped, with bifid apex. Sternite VIII with a deep oval-shaped incision. Aedeagus relatively short, almost straight, slightly bent at the apex.

Differential diagnosis. In male genitalia, by the shape of the uncus, the new species resembles *Agdistis krooni* Kovtunovich & Ustjuzhanin and *Agdistis kruegeri* Kovtunovich & Ustjuzhanin, yet the morphology of valvae, costal processes on the valvae and the shape of sternite VIII differ well from that of the mentioned species. **Flight period:** October.

Distribution: South Africa: Northern Cape.

Etymology. The species is named after the town of Springbok, being collected in the neighborhood of the town.

Agdistis insolitus Kovtunovich & Ustjuzhanin sp. n.

Material examined: Holotype, male, BMNH, gen. pr. 22883, S. Africa Rep., Northern Cape, 80 km SW of Springbok, Namaqua N.P., 30°03' S, 17°27' E, 11-13.01.2008, leg. Kovtunovich V. & Ustjuzhanin P. Paratype – 1 male, ibidem, Coll. Ust. & Kovt.

External characters (col. pl. I: 3). Forewing length 10 mm. Wingspan 21 mm. Forewing brownish grey. An oblique streak formed from two confluent spots present near the apex of the wing, from the costal edge to middle. Two dots are in the basal part of the wing, one under another. Hindwing uniformly grey.

Male genitalia. Valvae symmetrical, rather short (col. pl. I: 4). Apices of valvae обособлены, supplied with dense hairs. There is a process on the inner edge of valva near its apex; in the left valva slightly bigger than in the right one. Oval bubble-like bulges present at the bases of valvae. Costal processes on both valvae symmetrical, short, sticklike; they do not extend beyond the middle of valvae. Uncus bifurcated as two slender long arms. Sternite VIII with wide shallow incision. Lobes of sternite VIII short. Aedeagus rather large, arcuate, tapering at the apex.

Differential diagnosis. The new species resembles

Agdistis namaqua Kovtunovich & Ustjuzhanin by the general morphology of male genitalia, but differs well with the shape of sternite VIII and broader valvae with areas of dense hairs.

Flight period: January.

Distribution: South Africa: Northern Cape.

Etymology. From Latin – unusual, uncommon.

Agdistis capensis Kovtunovich & Ustjuzhanin sp. n.

Material examined: Holotype, male, BMNH, gen. pr. 22885, [S. Africa Rep.], Cape Town, 28-31.03.1965, C.G.C. Dickson.

External characters (col. pl. I: 5). Forewing length 9,5 mm. Wingspan 20 mm. Forewing gray with four hardly visible dark dots; two in the discal part of wing and at the costal edge of the wing; two more in the middle part and at the base of the wing. Hindwing uniformly grey.

Male genitalia. Valvae symmetrical, narrowed at the base, widened in the middle part (col. pl. I: 6). In the distal part rather wide folds are present, lengthened diagonally. Valvae base bears setiferous branch (col. pl. I: 7). Uncus bifurcated looking like two slender long arms. Sternite VIII with deep narrow incision. Lobes of sternite VIII long and narrow. Aedeagus rather long, bent in the middle part.

Differential diagnosis. In male genitalia, by general morphology the new species resembles *Agdistis africana* Arenberger, *Agdistis dicksoni* Kovtunovich & Ustjuzhanin and *Agdistis endrody* Kovtunovich & Ustjuzhanin, differing well from them and from all known species with the presence of setiferous branches at the bases of valvae, and also with the folds in the distal part of valvae.

Flight period: March.

Distribution: South Africa: Western Cape.

Etymology. The species is named after Cape region in the south-west of SAR, where it was collected.

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New species of plum moths from Southern Africa: 1,2 – Agdistis springbok; 3,4 – Agdistis insolitus; 5-7 – Agdistis capensis. 1,3,5 – general view; 2,4,6,7 – male genitalia. Новые виды пальцекрылок из Южной Африки: 1,2 – Agdistis springbok; 3,4 – Agdistis insolitus; 5-7 – Agdistis capensis. 1,3,5 – общий вид; 2,4,6,7 – гениталии самцов.