

SHORT COMMUNICATIONS

SOKOLOVIANA KUCHERUKI SP. N. FROM THE KILLDEER FROM CUBA (ANALGOIDEA, PTEROLICHIDAE)

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Abstract. *Sokoloviana kucheruki* sp. n., described from Cuba, is a second member of this genus found on Charadriinae.

During the investigations of the fauna of the feather mites collected from Cuban birds a new species has been found which is described below.

Sokoloviana kucheruki sp. n.

Material examined: male (holotype) from *Charadrius vociferus vociferus* L., 2. 12. 1964, Playa Baracoa near Havana. Paratypes: 3♂ 3♀ 4N, the same data; 1♂ 1♀ 1N from *Ch. v. vociferus*, 3. 2. 1965, Baracoa near Havana, all leg. V. Černý.

Male (holotype). Body very slender, total length 696 (all measurements are given in μm), idiosomal length 646, width 203 at level of setae l_1 . Propodosomal shield 148×191 , setae sc in trapezoidal arrangement. Hysterosomal shield with short setae l_1 on its anterolateral corners, only setal bases of d_1-d_3 and l_2 developed. Supranal concavity subcircular. Opisthosomal lobes long, about 1.5 times wider than the interlobal cleft which is nearly parallel-sided, 175×41 (width measured at level of setae l_4). Setae pai dagger-like, 36 long, situated dorsally and very posteriorly in about $6/7$ of lobal length, setae d_4 fine, d_5 setiform, l_4 and l_5 slightly dilated (l_4 also slightly bent), l_3 and pae hair-like. Opisthosomal lobes with external lamella and rounded terminal lamella.

Epimerites I Y-shaped, epimerites II slightly bent, all with external surface sclerotizations. Setae sh 16, spiculiform. Genital organ situated at the level of tibiae III, with divergent branches. Laterogenital apodemes nearly parallel, 166 long, with rounded anterior tips,

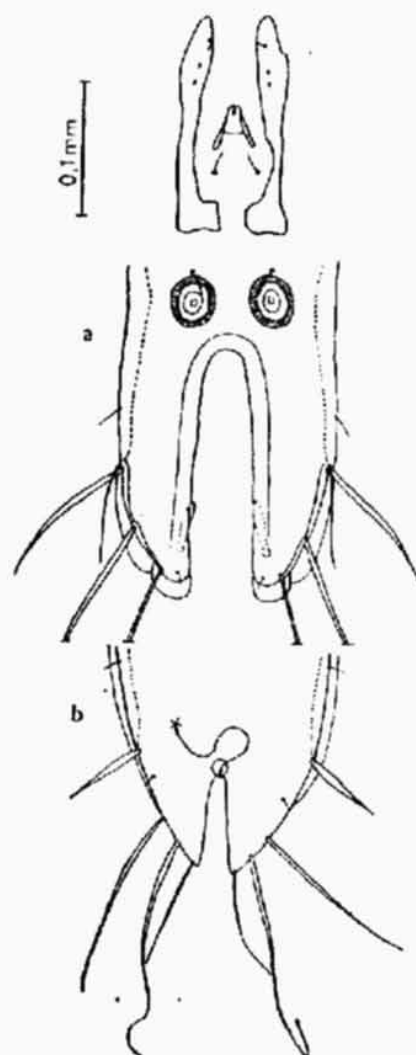


Fig. 1. *Sokoloviana kucheruki* sp. n., body terminus. A — male, ventrally, B — female, dorsally.

enlarged posteriorly, bearing genital discs. Adanal discs elliptical, 30×25 (without striated margin). Top of genital arch about in $1/2$ of distance between the rows $c_2 - c_3$. Distance $c_3 - c_3$ 32, $a - a$ 60. Tarsus IV with very small subapical spur. **Female (allotyp).** Body very slender, total length 674, idiosomal length 620, width 203 at level of setae *sh*. Propodosomal shield 150×185 . Hysterosomal shield with setae $d_1 - d_3$, l_1 and l_2 as in male. Setae l_3 hair-like, l_4 lanceolate, l_5 and d_5 very slightly dilated, d_4 fine, *pai* setiform and *pae* hair-like. Distance $l_5 - d_5$ slightly greater than $d_5 - pai$ and distinctly smaller than $l_5 - d_4$. Supranal concavity subcircular. Interlobal cleft diverging posteriorly, 65 deep, 24 wide caudally.

Epimerites I Y-shaped, the common branch nearly reaches the level of setae *st*. Epimerites II bent, with parallel caudal parts. Pregenital sclerite inverted U-shaped with acute tips, not reaching c_2 , 62×53 . Genital discs close to c_2 . Setae *sh* 18, spiculiform. Two pairs of anal setae present, shorter a_1 and longer a_2 . Distances of rows: $c_2 - c_3$ 81, $c_3 - a_2$ 182, $a_2 - pai$ 105.

The new species is dedicated to Prof. V. V. Kucheruk, the renowned specialist in medical zoology, on the occasion of his 60th birthday.

Sokoloviana kucheruki sp. n. is related to *S. pavlovskyi* Černý, 1974, the other species known from members of the genus *Charadrius* (Černý 1974). The male of the latter species has longer laterogenital apodemes, with acute anterior tips, not enlarged posteriorly, genital organ situated at the level of femora III and inverted pear-shaped supranal concavity, external lamella of the episthosomal lobe has an acute caudal projection. The female of *S. pavlovskyi* has the interlobal cleft not so deep, supranal concavity distant from its bottom and the distances $pai - d_5$, $d_5 - l_5$ and $l_5 - d_4$ are nearly equal.

The holotype and some paratypes of the new species are deposited with the collections of the Institute of Parasitology, Prague (prep No PaÚ ČSAV 1754), other paratypes in the Institute of Zoology, Cuban Academy of Sciences, Havana.

REFERENCES

ČERNÝ V., *Sokoloviana pavlovskyi* sp. n., a new mite species from the semipalmated plover from Cuba (Analgoidea, Pterolichidae). *Folia parasit. (Praha)* 21: 81-83, 1974.

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