

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.

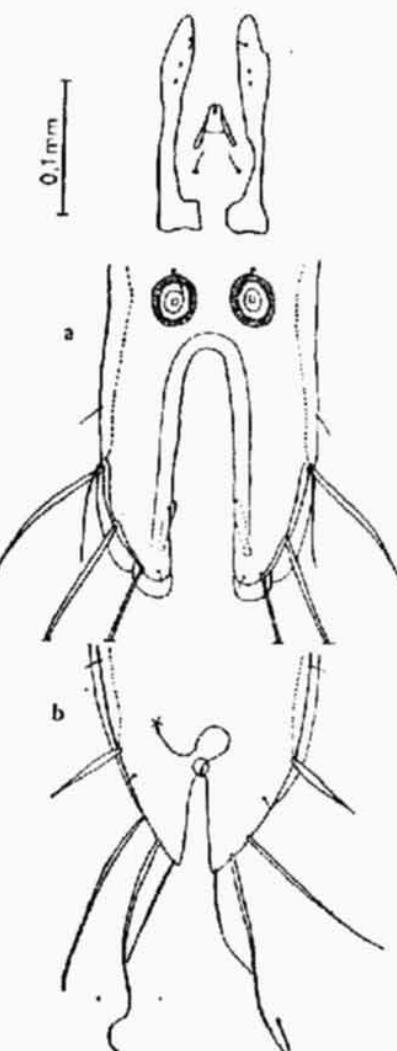
During the investigations of the fauna of the feather mites collected from Cuban birds a new species has been found which is described below.

***Sokoloviana kucheruki* sp. n.**

**Material examined:** male (holotype) from *Charadrius vociferus* 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  $\mu\text{m}$ ), idiosomal length 646, width 203 at level of setae  $l_1$ . Propodosomal shield 148  $\times$  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  $\times$  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,  $30 \times 25$  (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  $150 \times 185$ . 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  $d_5 - pae$  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  $c_2$ ,  $62 \times 53$ . 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,  $a_2 - pae$  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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