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**LEIODES STOCKI SP. N. WITH NEW FAUNISTIC RECORDS OF  
LEIODINI FROM THE CAUCASUS AND CENTRAL ASIA  
(COLEOPTERA: LEIODIDAE)**

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Praha

**Abstract** - *Leiodes stocki* sp.n. from Siberia (West Saian Mts.) is described, keyed and distinguished from similar species. *Sogda ciliaris* (Thomson, 1874) from Kirghizia; *Leiodes hybrida* (Erichson, 1845) from the Caucasus (Abkhazia); *L. obesa* (Schmidt, 1841) from Uzbekistan, Turkmenia and Kirghizia; *L. dilutipes* (J. Sahlberg, 1903) from Kirghizia; and *Liocyrtusa minuta* (Ahrens, 1812) from Asia (Turkmenia) are recorded for the first time in these regions.

**Izvešček** - *LEIODES STOCKI* SP. N. IN NOVI FAVNISTIČNI PODATKI O LEIODINIH S KAVKAZA IN IZ SREDNJE AZIJE

*Leiodes stocki* sp. n. iz Sibirije (pogorje Zahodni Saian) je opisan ter primerjan s sorodnimi vrstami. Vrste *Sogda ciliaris* (Thomson, 1874) iz Kirgizije, *Leiodes hybrida* (Erichson, 1845) s Kavkaza (Abhazije), *L. obesa* (Schmidt, 1841) iz Uzbekistana, Turkmenije in Kirgizije, *L. dilutipes* (J. Sahlberg, 1903) iz Kirgizije in *Liocyrtusa minuta* (Ahrens, 1812) iz Azije (Turkmenija) so prvič zabeležene za ta območja.

Through the kindness of my entomological colleagues, Dr. David Král, Dr. Jaromír Strejček, Mr. Kunibert Stock, Ing. Jaroslav Turna, Dr. Svatopluk Bílý and Mr. Petr Čechovsky I had the possibility to study scant but interesting leiodid material from the Caucasus and Central Asia containing a species new to science and four species new to the territory of the Caucasus or Central Asia. All material is deposited in the author's collection except for the specimens mentioned in the description of the new species.

***Sogda ciliaris* (Thomson, 1874)**

*Hydnobius ciliaris* Thomson, 1874: 545

*Trichohydnobius ciliaris*, Daffner, 1983: 26

*Sogda ciliaris*, Silberberg, 1992: 13

Material examined: 2 males, 2 females, Kirghizia centr., Tian Shan Mts., Dolon Pass, 2,300 - 3,200 m above sea level, 23.-5.VII.1991, Jaroslav Turna leg.

Distribution: N. Europe, Siberia, Mongolia, Kirghizia. New record for Kirghizia.

***Leiodes hybrida* (Erichson, 1845)**

*Anisotoma hybrida* Erichson, 1845: 75

*Leiodes hybrida*, Daffner, 1983: 49

Material examined: 1 female, W. Caucasus, Abkhazia, Achalsheni, pr. Suchumi, 500 m above sea level, 9.VI.1981, Jaromír Strejček leg.

Distribution: Europe, Caucasus - Abkhazia. New record for Caucasus.

***Leiodes obesa* (Schmidt, 1841)**

*Anisotoma obesa* Schmidt, 1841: 150-151

*Leiodes obesa*, Daffner, 1983: 91

Material examined: 2 males, Uzbekistan, Kara-Tepe, pr. Samarkand, 25.IV.1978, J. Strejček leg.; 1 female, the same locality and collector, 29.IV.1978; 2 females, Uzbekistan, River Zeravshan valley, pr. Samarkand, V. 1990, J. Strejček leg; 1 female, Uzbekistan, 8 km W of Sherabad, vill. Maidan, 25.-26.IV.1988, D. Král leg; 1 female, Uzbekistan, Aman-Kutan, Samarkand-60 km, 23.IV.1978, Sv. Bílý leg; 3 females, Turkmenia, Alai Mts., 1,200-1,600 m above sea level, Kugi Tang, Tau Ridge, Svincovij Rudnik, 10.-13.IV.1992, P. Čechovsky leg; 1 female, Kirghizia centr., Tian Shan Mts., 2,500-3,200 m above sea level, Dolon Pass, 23.-25.VII.1991, J. Turna leg.

Distribution: Europe, Siberia, Mongolia, Korea, Uzbekistan, Turkmenia, Kirghizia. New records for Uzbekistan, Turkmenia and Kirghizia.

***Leiodes dilutipes* (J. Sahlberg, 1903)**

*Liodes dilutipes* J. Sahlberg, 1903: 14-15

*Leiodes dilutipes*, Daffner, 1983: 99

Material examined: 1 male, E. Kirghizia, lower Inylccek valley, 2,600-3,200 m above sea level, 5.-8.VII.1989, D. Král leg.

Distribution: Siberia, Kirghizia, Mongolia, China and Canada. New record for Kirghizia.

***Leiodes stocki* sp.n.**

Type material: Holotype male, Russia, W. Saian Mts., Bulba, 2,300 m above sea level, VII.1995. Paratypes: 3 males and 5 females with the same data. Holotype and 5 paratypes deposited in the Švec collection, 1 male and 1 female paratypes in Stock collection (Roth, Germany).

Length of body 3.7-4.4 mm, in holotype 4.0 mm, head 0.4 mm, pronotum 1.2 mm, elytra 2.4 mm, antenna 1.4 mm, width of head 1.1 mm, pronotum 2.2 mm, elytra 2.3 mm.

Variable in colour. Body reddish to nearly black. Legs reddish to reddish-brown. Antenna reddish to reddish-brown, antennal club sometimes lightly infuscated. Black specimen with chestnut brown head, margins of pronotum, scutellum and sutura of elytra. Underside reddish-brown. Some specimens brown with chestnut coloured head and pronotum.

Head distinctly, densely punctate. Punctures 1-3 diameters apart. Some tiny, superficial punctures interposed. Four large punctures placed in a row on vertex before the level of hind margin of eyes. Temporae with some short reddish-brown setae. Ratio of the dorsally visible diameter of eye and width of head 1 : 15. Last antennal segment narrower than the previous one. Ratio of width of antennal segments 2nd to 11th (2nd segment equal to 1.0): 1.0 - 1.2 - 1.1 - 1.1 - 1.1 - 1.8 - 1.4 - 2.4 - 2.5 - 2.2. Ratio of length of antennal segments 2nd to 11th (2nd segment equal to 1.0): 1.0 - 1.9 - 1.0 - 1.0 - 0.9 - 1.3 - 0.4 - 1.4 - 1.4 - 2.0. Antenna as in Fig. 2.

Pronotum: Punctuation similar as on head; punctures deeper, sharper bordered, spaced by 2-3 times their diameter. Some very fine and small, superficial punctures interposed. Larger punctures become more distinct toward the base. With irregular row of several very large striking punctures just before base. Widest at base, anteriorly regularly tapered. Hind angles distinct, rectangular broadly rounded, slightly pulled behind pronotal base as seen dorsally. Base slightly emarginated before angles. Emargination more distinct in males, base nearly straight in females. Hind angles slightly obtuse and broadly rounded in lateral view.

Elytra with short oblique humeral row of punctures. Rows of elytral punctures strong, regularly distinct. Punctures separated by their diameter. Intervals finely, sparsely punctured, punctures spaced by 4-8 times of their diameter. Odd intervals with some punctures as large as those in rows.

Metasternum: Type A according to Daffner (1983).

Metathorax: Membraneous wings strongly reduced and probably unfunctional.

Legs: Anterior tibiae 2.5 times as wide at apex as at base. Tarsal segments 1st to 3rd dilated at four anterior pairs. Hind femur with emargination and small central tooth at the hind margin in males. With rounded process at apex in both sexes. Hind tibia strongly curved in apical third in male (Fig. 3), slightly curved in female.

Genitalia: Aedeagus as in Fig. 1.

Differential diagnosis: *Leiodes stocki* sp.n. is similar to *L. dilutipes* (J. Sahlberg, 1903) and *L. snizeki* Švec, 1994. It differs by longer parameres, no emarginated sides of aedeagus before its apex and by the shape of endophallus. From *L. snizeki* it also differs by narrower last antennal segment; from *L. dilutipes* by toothed hind femora in male. The key to *Leiodes* given by Angelini & Švec (1994) containing similar species should be modified as follows:

- 10 Last antennal segment a little narrower than the previous one.....10'  
 Last antennal segment as wide as the previous one. Femur with tooth at mid-length of hind margin in male. Sides of tegmen slightly emarginate before tip. Length 3.7 mm. China.....*L. snizeki* Švec
- 10' Femur without tooth in male. Longer oval. Tip of aedeagus shortly rounded. Length 2.8 - 4.0 mm. Siberia, Kirghizia, Mongolia, China, Canada.....*L. dilutipes* (J. Sahlberg)  
 Femur with emargination and tooth in midlength in male. Oval. Tip of aedeagus broader. Length 3.7 - 4.4 mm.  
 Russia.....*L. stocki* sp.n.

Derivatio nominis: The new species is dedicated to Mr Kunibert Stock, entomologist and historian from Roth, Germany.

***Liocyrtusa minuta* (Ahrens, 1812)**

*Anisotoma minutum* Ahrens, 1812: 20

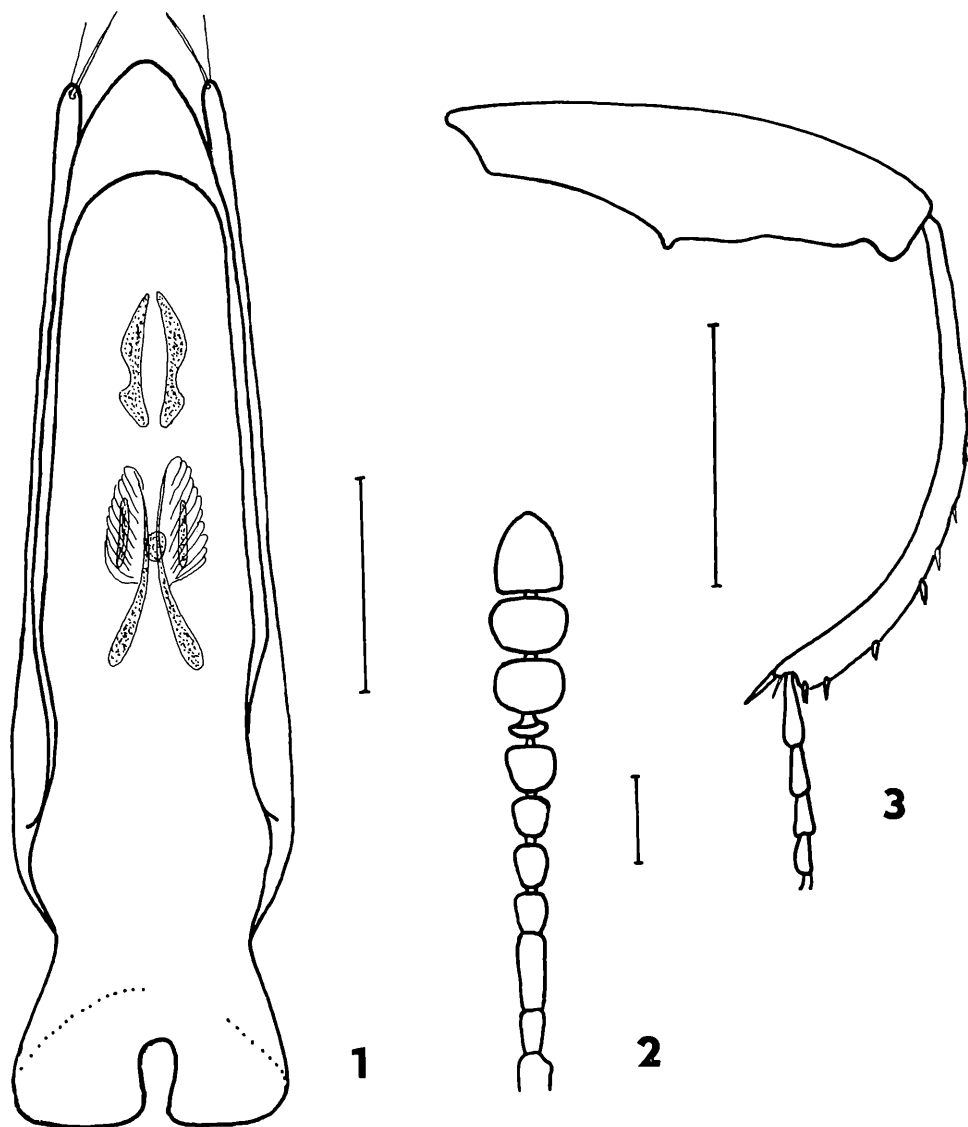
*Liocyrtusa minuta*, Daffner, 1983: 133

Material examined: 1 female, E. Turkmenia, Alai Mts., Kugi Tang, Tau Ridge, Svincovj Rudnik, 1,200 - 1,600 m above sea level, 9.-3.IV. 1992, P. Čechovsky leg.

Distribution: Europe, Caucasus, Asia - Turkmenia. New record for Asia.

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**Figs 1 - 3:** *Leiodes stocki* sp.n., 1: aedeagus with endophallus dorsally; 2: antenna; 3: hind leg of male. Scale 0.2 mm for Figs 1 - 2; 1.0 mm for Fig. 3.

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