

New synonymies in Asian antlions (Neuroptera: Myrmeleontidae)

V.A. Krivokhatsky

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Lectotypes of *Maracanda amoena* McLachlan, 1875, *Lopezus disparilis* Navas, 1932, and *Acanthaclisis debilis* Navas, 1932 are designated. New synonymies are established: *Maracanda amoena* McLachlan, 1875 = *Lopezus disparilis* Navas, 1932, *Acanthaclisis curvispura* Krivokhatsky, 1990 = *A. debilis* Navas, 1932 (junior homonym of *A. debilis* Gerstaecker, 1888). One paralectotype male of *L. disparilis* belongs to *L. nanus* Krivokhatsky, 1990. New data on the distributions of these species and a description of the female of *L. nanus* are given.

V.A. Krivokhatsky, Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. J, St.Petersburg 19034, Russia.

New synonyms of some species of the Turanian antlions were found after comparison of the type specimens kept at the Zoological Institute of Russian Academy of Sciences, St.Petersburg (ZISP), Deutsches Entomologisches Institut, Eberswalde (DEI), and Zoological Museum of the Moscow State University (ZMM).

Maracanda amoena McLachlan, 1875

Maracanda amoena McLachlan, 1875: 2. *Lopezus disparilis* Navas, 1932: 78, syn. n.; Holzel, 1972: 68 (as nomen dubium).

Type material examined: 3 ♀, "12" on a pink label with red stripes [= Uzbekistan, Kyzyl-Kum Desert, 10 m. W of Diusebai, 12.V.1871 (Fedtschenko)] [lectotype and 2 paralectotypes of *Maracanda amoena* (ZMM)]; 2 ♀, [Turkmenistan], Repetek (misspelled as "Repeten" in the original description), 29, 31.V.1925 (Shestoperow) [lectotype and paralectotype of *Lopezus disparilis* (DEI); lectotype with a red type label of Navas; one more paralectotype, a male, belongs to the next species, *Lopezus nanus*].

Other material examined. 341 ♂ and 9 ♀ from the deserts of Turkmenistan, Uzbekistan, Kazakhstan and Tadjikistan (ZISP).

Lopezus nanus Krivokhatsky, 1990 (Figs 1,2)

Lopezus nanus Krivokhatsky, 1990b: 902.

Type material examined. 1 ♂, Turkmenistan, Repetek, 18.VIII.1982 (Krivokhatsky) [holotype of

Lopezus nanus (ZISP)]; 1 ♂, Repetek ("Repeten" in the original description), 31.V.1925 (Shestoperow) [paralectotype of *Lopezus disparilis* (DEI) with a red printed label "syntypus", completed with genital prepate and the label "Abdomen boiled in KOH, preserved in balsam, rev. H. Holzel, 1972"].

Other material examined. 2 ♀, Repetek, 31. VIII.1990, 28-29.VIII.1991 (Krivokhatsky); 2 ♀, 2 ♀, same locality, 14.VI-1.VIII.1972 (Bogush); 3 ♀, same locality (two labels without inscription "Repetek"), 27.VIII.1906(Peltz).

Description of the female. All females examined are very similar to males in size, appearance and coloration. The tip of the abdomen as in Figs 1, 2. Sternite VII of abdomen with a black spot on the pale field, as in *L. aulumnalis* Kriv.

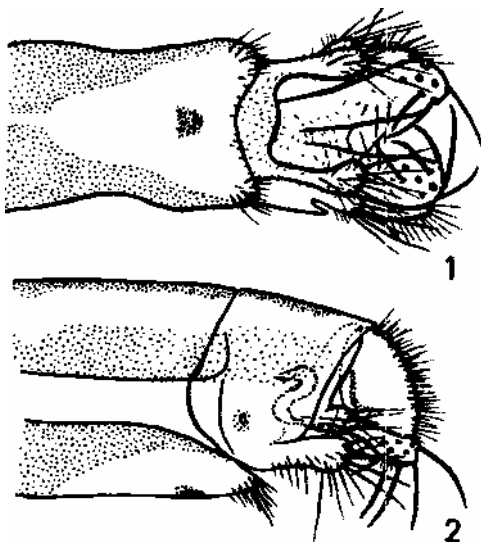
Acanthaclisis curvispura Krivokhatsky, 1990

Acanthaclisis debilis Navas, 1932: 74 (junior homonym of *Acanthaclisis debilis* Gerstaecker, 1888: 100, currently in *Syngenes*). syn. n.

Acanthaclisis curvispura Krivokhatsky, 1990a: 61,

Type material examined. 1 ♂, [Turkmenistan], Repetek ("Repeten" in the original description), 29. V.1925 (Shestoperow) [lectotype of *A. debilis* Nav. (DEI); the number of specimens was not given in the original description]; 1 ♂, Repetek, 2.VIII.1983 (Krivokhatsky) [holotype of *A. curvispura* Kriv. (ZISP)]; 5 ♂, 20 ♀ from Turkmenistan, Uzbekistan and Kazakhstan (paratypes).

Other material examined. 1 ♀, Repetek, 18.VIII.1990 (Krivokhatsky); 1 ♀, Peski [railway station SW of Repetek], 22.VI.1929 (Gerasimov).



Figs 1, 2. *Lopezus nanus* Kriv., tip of female abdomen: 1, from below; 2, lateral view.

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