



## Type species designations for *Sphenoptera* Dejean and *Rhaphidochila* Jakovlev (Coleoptera: Buprestidae)

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Volkovitsh, M.G. & Kalashian, M.Yu. 2002. Type species designations for *Sphenoptera* Dejean and *Rhaphidochila* Jakovlev (Coleoptera: Buprestidae). *Zoosystematica Rossica*, 11(1): 166.

*Buprestis antiqua* Illiger, 1803 and *Sphenoptera coerulea* Jakovlev, 1898 are designated as type species of *Sphenoptera* Dejean, 1833 and *Rhaphidochila* Jakovlev, 1890, respectively.

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The genus *Sphenoptera* was established by Dejean (1833) and originally included 36 nominal species at least 20 species names nomina nuda; no type species was designated. Though the first description of this genus was published by Solier (1833) in the same year, Dejean's Catalogue was published earlier (Madge, 1988; Bellamy, 1998). The authorship of *Sphenoptera* has been traditionally credited to Solier. *Buprestis lapidaria* Brulle was subsequently designated as the type species of *Sphenoptera* Solier by Volkovitsh & Kalashian (1994). This type designation is invalid because the species was included in the genus by Solier but not by Dejean. For this reason, we designate here *Buprestis antiqua* Illiger, 1803 as type species of *Sphenoptera* Dejean. This species, originally included in the genus by Dejean is one of the best known and widely distributed *Sphenoptera* species.

Volkovitsh & Kalashian (1994) discussed the taxonomy and nomenclature of the Jakovlev's subgenera of *Sphenoptera* and placed *Rhaphidochila* Jak. in synonymy with *Cyphostetha* Jak., but the type species of the former was not designated. Jakovlev (1900) attributed 2 species to *Rhaphidochila*: *S. nox* Jak. and *S. coerulea* Jak., the first is known as a single specimen, the second is represented by specimens from several localities in Turkey, Iran, Afghanistan and Turkmenistan. For this reason, we designate *Sphenoptera coerulea* Jakovlev, 1898 as type species of *Rhaphidochila* Jakovlev, 1900 (junior synonym of the subgenus *Cyphostetha* Jakovlev, 1893).

### Acknowledgements

We thank Dr. I.M. Kerzhner (St.Petersburg) and Mr. V. Kuban (Brno) for discussion of nomenclatural problems, and Dr. Ch. Bellamy (Sacramento, USA) for comments concerning previous designation of type species of *Sphenoptera*. The work was partly supported by grant no. 01-04-49641 of the Russian Foundation for Basic Research.

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Received 2 December 2002