

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

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*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* Brullé 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).

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