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All genera of the world: Orders Solifugae and Thelyphonida (Animalia: Arthropoda: Arachnida): Corrected authorship and dates

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Two publications by Prendini (2025a, 2025b) omitted a contribution by Harvey & Evenhuis (2020) with implications for three genus-group names in the arachnid Order Solifugae Sundevall, 1833, and one genus-group name in the Order Thelyphonida Latreille, 1804. Corrected data for the genera in question are listed below. There are 198 and 36 genus-group names available in Solifugae and Thelyphonida, respectively, by the end of 2025.

Keywords: Australosolifugae, Boreosolifugae, Daesiidae, Eremobatidae, Karschiidae, Daesiinae, Eremobatinae, *Biton*, *Eremorhax*, *Karschia*, *Rhinokarschia*, Thelyphonoidea, Thelyphonidae, Thelyphoninae, *Ginosigma*, generic names, synonyms, type species, camel spiders, solifuges, sun spiders, thelyphonids, vinegaroons, whip scorpions

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Order **Solifugae** Sundevall, 1833

Suborder **Australosolifugae** Kulkarni et al., 2023

Family **Daesiidae** Kraepelin, 1899

Subfamily **Daesiinae** Kraepelin, 1899

Biton Karsch, 1880 [72 extant species, 1 *nomen dubium*]. Type species: *Biton ehrenbergii* Karsch, 1880, by original designation.

Daesia Karsch, 1880. Type species: *Gluvia praecox* C.L. Koch, 1842 = *Biton praecox* (C.L. Koch, 1842), by original designation. Synonymized by Simon (1882).

Broomiella Pocock, 1902. Type species: *Broomiella lineata* Pocock, 1902 = *Biton lineatus* (Pocock, 1902), by original designation. Synonymized by Lawrence (1972).

Bitonella Roewer, 1933. Type species: *Daesia hottentotta* Kraepelin, 1899 = *Biton hottentottus* (Kraepelin, 1899), by original designation. Synonymized by Lawrence (1955).

Daesiella Caporiacco, 1937 [*nomen nudum*]. [Junior homonym of *Daesiella* Hewitt, 1934.] Synonymized by Delle Cave & Simonetta (1971). [*Daesiella* Caporiacco, 1937, created to accommodate two Central Asian species, *Daesia rossica* Birula, 1905, and *Daesia turkestanica* Roewer, 1933, is a junior homonym of *Daesiella* Hewitt, 1934, proposed for a South African species of Melanoblossiidae Roewer, 1933. Delle Cave & Simonetta (1971) synonymized *Daesiella* Caporiacco, 1937, with *Biton* Karsch, 1880, and it was listed as such by Harvey (2003), who designated *D. rossica* as type species. As names must be used as valid when proposed (Article 11.5 of the ICZN, 1999), Harvey's (2003) type designation does not confer availability on *Daesiella* and the name is a *nomen nudum* (Harvey & Evenhuis, 2020).]

Suborder **Boreosolifugae** Kulkarni et al., 2023

Family **Eremobatidae** Kraepelin, 1901

Subfamily **Eremobatinae** Kraepelin, 1901

Eremorhax Roewer, 1934 [13 extant species]. Type species: *Datames magna* Hancock, 1888 = *Eremorhax magnus* (Hancock, 1888), by original designation.

Eremopus Roewer, 1934. Type species: *Eremopus montezuma* Roewer, 1934 = *Eremorhax montezuma* (Roewer, 1934), syn. nov., by original designation. [Junior homonym of *Eremopus* Brady, 1910 (Crustacea: Copepoda).]

Arenotherus Brookhart & Muma, 1987 [*nomen nudum*]. Synonymized by Harvey (2002). [*Arenotherus* Brookhart & Muma, 1987, was introduced without designating a type species. Harvey (2002) designated *Datames magna*

Hancock, 1888, as the type species but treated *Arenotherus* as a junior synonym of *Eremorhax* Roewer, 1934, as both shared the same type species. At the time of the first valid type designation by Harvey (2002), the genus was not used as valid when proposed, hence the name is not available under Article 11.5 of the ICZN (1999) and is thus a *nomen nudum* (Harvey & Evenhuis, 2020).]

Family **Karschiidae** Kraepelin, 1899

Karschia Walter, 1889 [27 extant species]. Type species: *Karschia cornifera* Walter, 1889, by monotypy.

Rhinokarschia Harvey, 2003 [9 extant species]. Type species: *Karschia kaznakovi* Birula, 1922 = *Rhinokarschia kaznakovi* (Birula, 1922), by subsequent designation (Harvey, 2003). [Birula (1935a) introduced *Rhinokarschia* as a subgenus of *Karschia* Walter, 1889, without any included species hence *Rhinokarschia* Birula, 1935a is a *nomen nudum*. Birula (1935b) subsequently described *Karschia* (*Rhinokarschia*) *borszczewskii* Birula, 1935b, and redescribed *Karschia kaznakovi* Birula, 1922, which was assigned to *Karschia* (*Rhinokarschia*), but did not designate either as type species. Harvey (2003) treated *Karschia* (*Rhinokarschia*) as a valid subgenus and designated *Karschia kaznakovi* Birula, 1922, as type species. *Rhinokarschia* was used as a valid name by subsequent authors (e.g., Gromov, 2004) and elevated to the rank of genus by Prendini (2025a).]

Order **Thelyphonida** Latreille, 1804

Superfamily **Thelyphonoidea** Lucas, 1835

Family **Thelyphonidae** Lucas, 1835

Subfamily **Thelyphoninae** Lucas, 1835

Ginosigma Whittick, 1937 [2 extant species]. Type species: *Ginosigma lombokensis* Speijer, 1936, by monotypy. [Speijer (1933) introduced *Ginosigma* without any included species hence *Ginosigma* Speijer, 1933 is a *nomen nudum*. Speijer (1936) included two species in *Ginosigma*, *Thelyphonus schimkewitschii* Tarnani, 1894 = *Ginosigma schimkewitschii* (Tarnani, 1894), and *Ginosigma lombokensis* Speijer, 1936, but did not designate either as the type species. Rowland & Cooke (1973) designated *G. schimkewitschii*, as type species but the *Zoological Record* for 1936 (Whittick, 1937) listed a single species, *G. lombokensis*, in association with *Ginosigma*, along with a bibliographic reference to Speijer (1936), making the genus-group name available under the authorship of Whittick (1937), according to ICZN (1999) Article 13.1.2 (Harvey & Evenhuis, 2020).]

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