

# New names for some fossil taxa of the infraclass Polyneoptera (Insecta)

A.V. Gorochov & M. Maehr

Gorochov, A.V. & Maehr, M. 2008. New names for some fossil taxa of the infraclass Polyneoptera (Insecta). *Zoosystematica Rossica*, **17**(1): 60.

The generic names *Sharovoplana* nom. n., *Baisoxya* nom. n., *Triassaga* nom. n., and the subfamily name Triassaginae nom. n. are proposed for, respectively, *Paraplana* Sharov, *Monodactylus* Sharov, *Maraga* Gorochov, and Maraginae Gorochov because of homonymy. New synonymy among the replacement names is established: *Kashgarlimahmutia* Koçak et Kemal = *Ademirsoyus* Özdikmen, syn. n.; *Kashgarlimahmutiinae* Koçak et Kemal = *Ademirsoyinae* Özdikmen, syn. n.

A.V. Gorochov, Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St. Petersburg 199034, Russia.

M. Maehr, Biodiversity & Ecological Entomology, Illinois Natural History Survey, South Oak street 1816, Champaign IL 61820, USA.

The fossil genera *Paraplana* Sharov, 1968 (Triassic), *Monodactylus* Sharov, 1968 (Cretaceous), *Maraga* Gorochov, 1986 (Triassic), and the fossil subfamily Maraginae Gorochov, 1986 (based on the latter genus) were described as representatives of the families Aeroplanidae (*Paraplana*), Tridactylidae (*Monodactylus*), and Haglidae (*Maraga* and Maraginae) (Sharov, 1968; Gorochov, 1986). The Aeroplanidae was included by Sharov in the order Phasmatoptera, but the other families belong to Orthoptera. These generic names are preoccupied by *Paraplana* Ax, 1956 [Turbellaria] (Ax, 1956), *Monodactylus* Lacepède, 1801 [Pisces] (Lacepède, 1801), and *Maraga* Walker, 1858 [Coleoptera] (Walker, 1858). The replacement names *Sharovoplana* nom. n. (for *Paraplana* Shar.), *Baisoxya* nom. n. (for *Monodactylus* Shar.), *Triassaga* nom. n. (for *Maraga* Gor.), and Triassaginae nom. n. (for Maraginae Gor.) are here proposed because of homonymy of the above-mentioned generic names.

For the Triassic genus *Fergania* Sharov, 1968 (junior homonym of *Fergania* Mandelshtam, 1957) and the subfamily Ferganiinae Gorochov, 1987 (based on this genus) belonging to the family Proparagryllacrididae (Orthoptera), two pairs of the synonymic replacement names were proposed: *Kashgarlimahmutia* Koçak et

Kemal, 2008 [May] = *Ademirsoyus* Özdikmen, 2008 [June], syn. n. and *Kashgarlimahmutiinae* Koçak et Kemal, 2008 [May] = *Ademirsoyinae* Özdikmen, 2008 [June], syn. n. (Koçak & Kemal, 2008; Özdikmen, 2008). This synonymy is here established.

## References

- Ax, P. 1956. Monographie der Otoplanidae (Turbellaria). Morphologie und Systematik. *Abh. Math.-naturw. Kl. Akad. Wiss. Mainz*, **13**, 1955: 1-298.
- Gorochov, A.V. 1986. Triassic insects of the superfamily Hagloidea (Orthoptera). *Trudy Zool. inst. AN SSSR [Proc. Zool. Inst. USSR Acad. Sci.]*, **143**: 65-100. (In Russian).
- Koçak, A.Ö. & Kemal, M. 2008. Replacement names among the genus and family group taxa in Orthoptera. *Misc. Pap. Centre Entomol. Stud. Ankara*, **141**: 1-5.
- Lacepède, B.G. 1801. Histoire naturelle des poissons, **3**. Paris, Plassan: 1-558.
- Özdikmen, H. 2008. New subfamily and genus names for Ferganiinae Gorochov, 1987 and *Fergania* Sharov, 1968 (Orthoptera). *Mun. Ent. Zool.*, **3**(2): 731-732.
- Sharov, A.G. 1968. Phylogeny of orthopteroid insects. *Trudy Paleontol. inst. AN SSSR [Proc. Paleontol. Inst. USSR Acad. Sci.]*, **118**: 1-218. (In Russian).
- Walker, F. 1858. Characters of some apparently undescribed Ceylon insects. *Ann. Mag. Nat. Hist.*, [3] **2**(9): 202-209.

Received 16 June 2008, accepted 10 June 2008.