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Authorship and date of two family-group names in the Trombidiidae (Acariformes: Parasitengona)

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Mąkol (2007) proposed two new family-group names in the Trombidiidae, with the type genera *Dolichothrombium* Feider, 1945 and *Paratrombium* Bruyant, 1910, respectively. However, Robaux (1969) also proposed two new family-group names based on the same two genera respectively and so did Feider (1959) for family-group names based on *Paratrombium* (although they used the emendation *Parathrombium*). The purpose of this short note is to clarify the authorship and date of these family-group names.

Robaux (1969) introduced a classification of the 'Thrombidiinae *s.l.*' into different tribes; he erected the new tribe Dolichothrombiini with the sole genus *Dolichothrombium* and provided a diagnosis. Mąkol (2007) proposed a new classification of the Trombidiidae and proposed a "new" subfamily Dolichothrombiinae with *Dolichothrombium* as the sole and type genus; this is merely the first use of the previously established name in a new rank (subfamily) but incorrectly as a new name. According to Article 36 Principle of Coordination of International Commission on Zoological Nomenclature (1999), the authorship and date for both Dolichothrombiini and Dolichothrombiinae are Robaux, 1969—also for all other *Dolichothrombium*-based family-group names at ranks not yet used (i.e. superfamily, family, and subtribe).

Feider (1959) first proposed Parathromboidea (p. 545) and Parathrombiidae (p. 546) with descriptions to enable separation of them from related superfamilies/families. Robaux (1969) erected Parathrombiini to accommodate *Paratrombium* (spelt as *Parathrombium*) and *Xenothrombium* and he also provided a diagnosis for the tribe. Mąkol (2007) proposed a "new" subfamily Paratrombiinae with *Paratrombium* as the type genus and provided a diagnosis; she was aware of Feider (1959, 1979) and Robaux (1969). According to the Principle of Coordination, the nomenclatural history is best explicitly summarized as below.

Superfamily **Paratrombioidea Feider, 1959**

Parathromboidea Feider, 1959: 545 (incorrect original spelling: addition of "h" after "t"; omission of "i" after "b").

Family **Paratrombiidae Feider, 1959**

Parathrombiidae Feider, 1959: 546 (incorrect original spelling: addition of "h" after "t")

Parathrombiidae—Feider 1979: 422 (incorrect spelling).

Subfamily **Paratrombiinae Feider, 1959**

Paratrombiinae—Mąkol, 2007: 169 (first use at the subfamily rank, but incorrect use as a new name).

Tribe **Paratrombiini Feider, 1959**

Parathrombiini—Robaux, 1969: 90 (first use at the tribe rank, but incorrect spelling and incorrect use as a new name).

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References

Bruyant, L. (1910) Description d'une nouvelle larve de Trombidion (*Paratrombium egregium* n. gen. n. sp.) et remarques sur les Leptes. *Zoologischer Anzeiger*, 35, 347–352.

Feider, Z. (1945) Un nouveau Thrombidion, recueilli au bord de la Mer Noire: *Thrombidium* (*Dolicothrombium*) *borceai* n. s. g. n. sp. *Bulletin de la Section scientifique de l'Academie Roumaine*, Bucharest, 27(9), 673–675.

Feider, Z. (1959) New proposals on the classification of mites from the group Trombidia. *Zoologicheskii Zhurnal*, 38, 537–549 (in Russian).

Feider, Z. (1979) Principes et methods dans la taxonomie du group des Trombidia. *In:* E. Piffl (ed.), *Proceedings of the Fourth International Congress of Acarology*, Akademiai Kiado, Budapest, pp. 417–423.

International Commission on Zoological Nomenclature (1999) *International Code of Zoological Nomenclature*. International Trust for Zoological Nomenclature, London, xxix + 306 pp.

Mąkol, J. (2007) Generic level review and phylogeny of Trombidiidae and Podothrombiidae (Acari: Actinotrichida: Trombidioidea) of the World. *Annales Zoologici*, 57, 1–194.

Robaux, P. (1969) Thrombidiidae d'Amerique du Sud. 11.—Chyzerini, Thrombidiinae; solinidiotaxie du palpe chez quelques Thrombidiidae; relations entre les *Podothrombium* Berlese 1910, *Variathrombium* n. g. et les Thrombidiinae s. 1. *Acarologia*, 11, 69–93.

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