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## Revised taxonomic status of some Old World Piesmatidae (Heteroptera)

Ernst HEISS & Jean PÉRICART

### Z u s a m m e n f a s s u n g

Aufgrund neuer Erkenntnisse wird ein veränderter taxonomischer Status für einige Piesmatidae der Alten Welt vorgeschlagen. *Afropiesma* PÉRICART 1974 und *Parapiesma* PÉRICART 1974, bisher Untergattungen von *Piesma* LEPELETIER & SERVILLE 1828, werden in den Rang von Gattungen erhoben, und den früheren Unterarten *Parapiesma atriplicis* (FREY - GESSNER 1863), *Parapiesma kolenatii* (FIEBER 1861), *Parapiesma longicarinum* (HSIAO & JING 1979) und *Parapiesma rotundatum* (HORVATH 1906) wiederum der Artstatus zuerkannt.

### A b s t r a c t

The taxonomic status of some Old World Piesmatidae is reconsidered. *Afropiesma* PÉRICART 1974 and *Parapiesma* PÉRICART 1974, formerly treated as subgenera, are regarded as distinct genera and the following subspecies are again given specific rank: *Parapiesma atriplicis* (FREY - GESSNER 1863), *Parapiesma kolenatii* (FIEBER 1861), *Parapiesma longicarinum* (HSIAO & JING 1979) and *Parapiesma rotundatum* (HORVATH 1906).

**Key words:** Heteroptera, Piesmatidae, taxonomy

Most modern authors (e.g. HORVATH 1906, STICHEL 1957, DRAKE & DAVIS 1958) placed all species described from the Palaearctic and Nearctic Region and Africa in the genus *Piesma* LEPELETIER & SERVILLE 1828. Studies by PÉRICART (1974) have shown, however, that this genus is not homogeneous and three distinct groups can be distinguished for which he introduced the subgenera *Afropiesma* and *Parapiesma* with the remaining species placed subgenus *Piesma* s.str. The type revision by HEISS & PÉRICART (1975) led to several synonymies and new arrangements on specific and subspecific level. All these taxonomic categories have been retained in the revision of Palaearctic Piesmatidae by HEISS & PÉRICART (1983).

In the course of preparing the respective chapter for the Catalogue of the Heteroptera of the Palaearctic Region further material was studied, which resulted in a reconsideration of the present classification. The evaluation of the distinguishing characters for the subgenera (cf. PÉRICART 1974) supports our opinion that they represent distinct monophyletic units and we therefore propose to give them generic rank:

*Afropiesma* PÉRICART 1974, **new status**

*Parapiesma* PÉRICART 1974, **new status**

*Piesma* LEPELETIER & SERVILLE 1828, **rev. status**

Furthermore, it has been realized that the distribution areas of taxa formerly regarded as subspecies of *Parapiesma kolenatii* and *Parapiesma kochiae* are overlapping in the Caucasus - Anatolia - Middle East - areas and Far East respectively, thus representing distinct species. The following new combinations are proposed:

*Parapiesma atriplicis* (FREY - GESSNER 1863), **comb. nov.**

*Parapiesma kochiae* (BECKER 1867), **comb. nov.**

*Parapiesma kolenatii* (FIEBER 1861), **comb. nov.**

*Parapiesma longicarinum* (HSIAO & JING 1979), **comb. nov.**

*Parapiesma rotundatum* (HORVATH 1906), **comb. nov.**

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Addresses of the authors: Prof. Dr. Ernst HEISS, Entomol. Research Associate, Tiroler Landesmuseum, J. Schrafflstraße 2a, A-6020 Innsbruck, Austria.

Dr. Jean PÉRICART, 10 Rue Habert, F-77130 Montereau, France.

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Autor(en)/Author(s): Heiss Ernst, Pericart Jean

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