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## **A catalogue of the family Rhopalosomatidae (Vespoidea) of the Malagasy subregion (Insecta: Hymenoptera)**

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**Abstract:** In the Malagasy subregion the family Rhopalosomatidae, which is known only from the Madagascar, is represented by the genera *Olixon* CAMERON, 1887 (two species) and *Paniscomima* ENDERLEIN, 1904 (four species).

**Key words:** Insecta, Hymenoptera, *Olixon*, *Paniscomima*, Madagascar.

### **Introduction**

The family Rhopalosomatidae is known from all zoogeographical regions except the Palaearctic region. In the Malagasy subregion it occurs only on the island of Madagascar. The larvae are parasitoids of Orthoptera (Gryllidae), but no host records of the Malagasy species are known.

Until now, two species of the genus *Olixon* CAMERON, 1887 and four species of the genus *Paniscomima* ENDERLEIN, 1904 have been recorded from Madagascar.

### **How to use the catalogue**

The systematic part of the catalogue is organized alphabetically. Misidentifications and are marked with an asterisk (\*). Only genera described from the Malagasy subregion are mentioned under synonyms and the number of valid species is also restricted to the Malagasy subregion.

The known records from Madagascar are listed province by province from North to South and old names or misspellings are in brackets.

### **Abbreviations**

cat..... catalogue  
 descr..... description  
 ed..... editor  
 fig. (figs)..... figure (figures)  
 tax. .... taxonomy  
 tab. .... table  
 typ. gen.....typus generis

## Annotated catalogue

### Genus *Olixon* CAMERON, 1887

Description: CAMERON 1887: 412.

Typus generis: *Olixon testaceum* CAMERON, 1887.

Distribution: Afrotropical, Australian, Nearctic and Neotropical regions.

Valid species: 2.

### *Olixon martini* LOHRMANN, 2007

*Olixon martini* sp.nov.: LOHRMANN 2007 (In: LOHRMANN & OHL): 40 (key), 42 (figs. 5, 6, 9), 43 (figs. 11, 13, 15), 44 (descr. ♂ ♀, Madagascar), 45 (fig. 16: map).

*Olixon martini* LOHRMANN, 2007: KROGMANN et al. 2009: 223 (fig. 1: map), 224 (cat.), 225 (tab. 2: tax.), 227 (tax.), 228 (figs. 3: tax., 4: tax.).

Distribution: Madagascar: Prov. Toliara: Reserve Special d'Ankazotaihitafototra (NW Ambaravarana).

Endemic.

### *Olixon toliaraensis* LOHRMANN & OHL, 2007

*Olixon toliaraensis* sp.nov.: LOHRMANN & OHL 2007: 40 (key), 41 (descr. ♂ ♀, Madagascar), 42 (figs. 1-4, 7, 8), 43 (figs. 10, 12, 14), 45 (fig. 16: map).

*Olixon toliaraensis* LOHRMANN & OHL, 2007: KROGMANN et al. 2009: 223 (fig. 1: map), 224 (cat.), 225 (tab. 2: tax.), 227 (tax.), 228 (figs. 3: tax., 4: tax.).

Distribution: Madagascar: Prov. Toliara: Foret de Tsinjoriaky (E Tsifota).

Endemic.

### Genus *Paniscomima* ENDERLEIN, 1904

Description: ENDERLEIN 1904: 465.

Typus generis: *Paniscomima erlangeriana* ENDERLEIN, 1904.

Synonym: *Rogezia* BERLAND, 1951.

Description: BERLAND 1951: 300.

Typus generis: *Rogezia seyrigi* BERLAND, 1951.

Distribution: Afrotropical and Oriental regions.

Valid species: 4.

### *Paniscomima bekilyi* (BERLAND, 1951)

*Rhopalosoma bekilyi* n.sp.: BERLAND 1951a: 297 (descr. ♂ ♀, Madagascar), 298 (figs. 1, 2a, c), 299 (figs. 3a, b), 300 (figs. 4a-c), 302 (fig. 6d).

*Paniscomima bekilyi* (BERLAND, 1951): TOWNES 1977: 13 (key), 15 (tax., descr. ♂ ♀, Madagascar).

*Paniscomima bekilyi* (BERLAND, 1951): GUIDOTTI 2007: 300 (tab. 2: tax.), 302 (key), 303 (tax., Madagascar), 304 (fig. 6b), 307 (tax., fig. 8: tax.), 309 (Madagascar).

*Paniscomima bekilyi* (BERLAND, 1951): LOHRMANN 2011: 372 (Madagascar).

Distribution: Madagascar: Prov. Fianarantsoa: Massif d'Isalo – Prov. Toliara: Antanimora, Behara, Bekily, Fort-Dauphin.

Endemic.

***Paniscomima curta* TOWNES, 1977**

*Paniscomima curta* n.sp.: TOWNES 1977: 13 (key), 16 (descr. ♂, Madagascar).

*Paniscomima curta* TOWNES, 1977: GUIDOTTI 2007: 300 (tab. 2: tax.), 302 (key), 303 (tax., Madagascar), 307 (tax., fig. 8: tax.), 309 (Madagascar).

*Paniscomima curta* TOWNES, 1977: LOHRMANN 2011: 372 (Madagascar).

\**Rogezia Seyrigi* n.sp.: BERLAND 1951a: 301 (descr. ♂ partim, Madagascar).

**D i s t r i b u t i o n :** Madagascar: Prov. Toamasina: Andasibe (Perinet) – Prov. Toliara: Ivondro (leg. Seyrig).

Endemic.

***Paniscomima rufoantennata* (BERLAND, 1951)**

*Rhopalosoma bekilyi rufoantennata* n.var.: BERLAND 1951a: 298 (descr., Madagascar).

*Paniscomima rufoantennata* (BERLAND, 1951): TOWNES 1977: 13 (key), 15 (tax., Madagascar).

*Paniscomima rufoantennata* (BERLAND, 1951): MADL 1996: 839 (Madagascar).

*Paniscomima rufoantennata* (BERLAND, 1951): GUIDOTTI 2007: 300 (tab. 2: tax.), 302 (key), 306 (tax., Madagascar), 307 (tax., fig. 8: tax.), 309 (Madagascar).

*Paniscomima rufoantennata* (BERLAND, 1951): LOHRMANN 2011: 372 (Madagascar).

**D i s t r i b u t i o n :** Madagascar: Prov. Toamasina: Nosy Boraha (Sainte Marie) – Prov. Toliara: Antanimora, Behara, Bekily, Fort-Dauphin.

Endemic.

***Paniscomima seyrigi* (BERLAND, 1951)**

*Rogezia Seyrigi* n.sp.: BERLAND 1951a: 298 (fig. 2b), 301 (typ. gen., descr. ♂ (partim) ♀, fig. 5, Madagascar), 302 (fig. 6e).

*Paniscomima seyrigi* (BERLAND, 1951): TOWNES 1977: 13 (key), 14 (tax., descr. ♀, Madagascar).

*Paniscomima seyrigi* (BERLAND, 1951): GUIDOTTI 2007: 300 (tab. 2: tax.), 301 (key), 303 (fig. 5c), 304 (fig. 6e), 306 (tax., descr. ♂ ♀, Madagascar), 307 (tax., fig. 8: tax.), 309 (Madagascar).

*Paniscomima seyrigi* (BERLAND, 1951): LOHRMANN 2011: 372 (Madagascar).

**D i s t r i b u t i o n :** Madagascar: Prov. Antsiranana: Reserve Naturelle Integrale Marojejy (8 km NW Manantenina) – Prov. Toamasina: Andekaleka (Rogez), Sud de la Baie d'Antongil – Prov. Toliara: Ivondro (leg. Seyrig).

Endemic.

**D o u b t f u l t a x a**

I can not assign following records to a known species.

***Paniscomima* sp. 1**

*Rhopalosoma* sp.: BERLAND 1951b: 995 (fig. 921, Madagascar without locality).

**D i s t r i b u t i o n :** Madagascar: without locality.

***Paniscomima* sp. 2**

*Rhopalosoma* sp.: BROTHERS 1975: 560 (Madagascar without locality).

**D i s t r i b u t i o n :** Madagascar: without locality.

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## Zusammenfassung

In der madagassischen Unterregion ist die Familie Rhopalosomatidae, die nur auf der Insel Madagaskar vorkommt, mit den Gattungen *Olixon* CAMERON, 1887 (zwei Arten) und *Paniscomima* ENDERLEIN, 1904 (vier Arten) vertreten.

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Valid names are printed in bold, synonyms in italics and misidentifications or identifications to genus level in normal letters.

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