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## A catalogue of the family Stephanidae (Stephanoidea) of the Malagasy subregion (Insecta: Hymenoptera)

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**A b s t r a c t :** In the Malagasy subregion 12 species of Stephanidae are recorded only from Madagascar. The genus *Foenatopus* SMITH, 1860, is represented by six species, the genus *Madegafoenus* BENOIT, 1951 by one species, the genus *Megischus* BRULLÉ, 1846 by three species and the genus *Profoenatopus* VAN ACHTERBERG, 2002 by two species.

**Key words:** Insecta, Hymenoptera, *Foenatopus*, *Madegafoenus*, *Megischus*, *Profoenatopus*, Madagascar.

### Introduction

In the Malagasy subregion the occurrence of the family Stephanidae is restricted to Madagascar. There are no records whether from the granitic islands of the Seychelles nor from the large volcanic islands of the Comores, Mayotte and the Mascarenes (Réunion, Mauritius, Rodrigues), where there are suitable habitats. Until now 12 species of four genera (*Foenatopus* SMITH, 1860 (six species), *Madegafoenus* BENOIT, 1951 (one species), *Megischus* BRULLÉ, 1846 (three species), *Profoenatopus* VAN ACHTERBERG, 2002 (two species)) have been recorded from Madagascar.

Species of Stephanidae are known as parasitoids of wood boring larvae of Coleoptera (e.g. Buprestidae, Cerambycidae) and Hymenoptera (e.g. Siricidae), but nothing is known about the biology of the Malagasy species.

### How to use the catalogue

The systematic part of the catalogue is organized alphabetically. Subgenera are in brackets. Synonyms are marked with an asterisk (\*) and printing errors with an exclamation mark (!). 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.

**Abbreviations**

cat..... catalogue  
 descr..... description  
 ed..... editor  
 fig. (figs) ..... figure (figures)  
 pl. .... plate  
 syn.....synonym  
 tax. .... taxonomy  
 typ. gen..... typus generis

**Annotated catalogue****Genus *Foenatopus* SMITH, 1860**

Description: SMITH 1860: 58.

Typus generis: *Stephanus indicus* WESTWOOD, 1841.

Synonym: *Neostephanus* KIEFFER, 1904: 1.

Typus generis: *Neostephanus alluaudi* KIEFFER, 1904.

Distribution: Afrotropical, Australian, Oriental and Palaearctic regions.

Valid species: 6.

***Foenatopus alluaudi* (KIEFFER, 1904)**

*Neostephanus Alluaudi* n.sp.: KIEFFER 1904a: 1 (typ. gen.), 2 (key, descr. ♀, Madagascar).

*Neostephanus alluaudi* KIEFFER, 1904: KIEFFER 1904b: 474 (tax.), 478 (footnote: cat.).

*Neostephanus alluaudi* KIEFFER, 1904: ENDERLEIN 1905: 476 (cat.).

*Neostephanus alluaudi* KIEFFER, 1904: KIEFFER 1908: 7 (cat.).

*Neostephanus alluaudi* KIEFFER, 1904: VIERECK 1914: 100 (cat. typ. gen.).

*Neostephanus alluaudi* KIEFFER, 1904: ELLIOTT 1922: 777 (key, tax., descr. ♀, Madagascar).

*Neostephanus alluaudi* KIEFFER, 1904: BENOIT 1951: 272 (tax., Madagascar), 284 (key).

*Neostephanus alluaudi* KIEFFER, 1904: BENOIT 1957: 119 (key), 120 (Madagascar).

*Neostephanus alluaudi* KIEFFER, 1904: BENOIT 1984: 216 (tax., descr. ♂, Madagascar).

*Neostephanus alluaudi* KIEFFER, 1904: BASIBUYUK & QUICKE 1997: 1582 (without data).

*Foenatopus alluaudi* (KIEFFER, 1904): NARENDRAN ET AL. 2001: 81 (tax.). **not seen**

*Foenatopus alluaudi* (KIEFFER, 1904): VAN ACHTERBERG 2002: 188 (tax., Madagascar), 189 (figs 633-640).

*Foenatopus alluaudi* (KIEFFER, 1904): AGUIAR 2004: 18 (tax., Madagascar, cat.).

**D i s t r i b u t i o n :** Madagascar: Prov. Antsiranana: Antsiranana, Fizoana, Vallée du Sambirano – Prov. Antananarivo: Mandraka – Prov. Toamasina: Ambodivoangy, Andasibe (Perinet), S Baie d'Antongil, Manambato (Anove), Maroantsetra, Nosy Boraha (Sainte Marie) – Prov. Fianarantsoa: Mananara – Prov. Toliara: Bekily, Ivondro (leg. Seyrig).

Endemic. The locality Sainte Marie de Madagascar in AGUIAR (2004: 18) is in fact Nosy Boraha. The record from Nigeria (MEDLER 1980: 443) is probably a misidentification.

***Foenatopus berlandi* (BENOIT, 1951)**

*Neostephanus Berlandi* nov.sp.: BENOIT 1951: 275 (descr. ♂ ♀, Madagascar), 276 (figs 5.7,8), 284 (key).

*Neostephanus berlandi* BENOIT, 1951: BENOIT 1957: 120 (key), 121 (Madagascar).

*Foenatopus berlandi* (BENOIT, 1951): VAN ACHTERBERG 2002: 188 (tax.).

*Foenatopus berlandi* (BENOIT, 1951): AGUIAR 2004: 20 (tax., cat.).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: S Befasy, Behara, Bekily.

Endemic.

***Foenatopus collaris* (BENOIT, 1951)**

*Neostephanus collaris* nov.sp.: BENOIT 1951: 272 (descr. ♀, Madagascar), 273 (figs 3.2,3), 284 (key).

*Neostephanus collaris* BENOIT, 1951: BENOIT 1957: 120 (key).

*Foenatopus collaris* (BENOIT, 1951): AGUIAR 2004: 23 (tax., cat.).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Behara.

Endemic.

***Foenatopus longicaudatus* (BENOIT, 1951)**

*Neostephanus longicaudatus* nov.sp.: BENOIT 1951: 273 (descr. ♂ ♀, figs 4.4-6, Madagascar), 284 (key).

*Neostephanus longicaudatus* BENOIT, 1951: BENOIT 1957: 120 (key).

*Foenatopus longicaudatus* (BENOIT, 1951): AGUIAR 2004: 30 (tax., cat.).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Bekily.

Endemic.

***Foenatopus micans* (BENOIT, 1951)**

*Neostephanus micans* nov.sp.: BENOIT 1951: 276 (figs 5.9,10), 277 (descr. ♂ ♀, Madagascar), 284 (key).

*Neostephanus micans* BENOIT, 1951: BENOIT 1957: 119 (key).

*Foenatopus micans* (BENOIT, 1951): AGUIAR 2004: 31 (tax., cat.).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Behara, Bekily.

Endemic.

***Foenatopus pauliani* (BENOIT, 1957)**

*Neostephanus pauliani* nov.sp.: BENOIT 1957: 120 (key, descr. ♂ ♀, Madagascar).

*Foenatopus pauliani* (BENOIT, 1957): AGUIAR 2004: 33 (tax., cat.).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: S Befasy.

Endemic.

**Genus *Madegafoenus* BENOIT, 1951**

Description: BENOIT 1951: 278.

Typus generis: *Madegafoenus seyrigi* BENOIT, 1951.

D i s t r i b u t i o n : Malagasy Subregion.

Valid species: 1.

***Madegafoenus seyrigi* BENOIT, 1951**

*Madegafoenus Seyrigi* nov.sp.: BENOIT 1951: 278 (typ. gen.), 279 (descr. ♂ ♀, figs 6.11-13), 284 (key).

*Madegafoenus seyrigi* BENOIT, 1951: VAN ACHTERBERG 2002: 47 (figs 294, 295), 190 (tax., Madagascar), 191 (figs 641-646).

*Madegafoenus seyrigi* BENOIT, 1951: AGUIAR 2004: 46 (Madagascar, cat.).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Behara.

Endemic.

**Genus *Megischus* BRULLÉ, 1846**

Description: BRULLÉ 1846: 537.

Typus generis: *Stephanus furcatus* LEPELETIER DE SAINT-FARGEAU & SERVILLE, 1825.

D i s t r i b u t i o n : All zoogeographical regions.

Valid species: 3.

***Megischus bekilyanus* (BENOIT, 1951)**

*Madegafoenus bekilyanus* nov.sp.: BENOIT 1951: 279 (figs 6.15-17 as *Madegafoenus Bekilyarum*, footnote: tax.), 281 (descr. ♂ ♀, Madagascar), 284 (key).

*Madegafoenus bekilyanus* BENOIT, 1951: VAN ACHTERBERG 2002: 190 (tax., Madagascar).

*Megischus bekilyanus* (BENOIT, 1951): AGUIAR 2004: 50 (tax., Madagascar, cat.).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Behara, Bekily.

Endemic.

***Megischus occiputalis* (BENOIT, 1951)**

*Madegafoenus occiputalis* nov.sp.: BENOIT 1951: 279 (figs 6.14,18,19, footnote: tax.), 282 (descr. ♀, Madagascar), 284 (key).

*Madegafoenus occiputalis* BENOIT, 1951: VAN ACHTERBERG 2002: 190 (tax., Madagascar).

*Megischus occiputalis* (BENOIT, 1951): AGUIAR 2004: 60 (tax., Madagascar, cat.).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Ivondro (leg. Seyrig).

Endemic.

***Megischus seyrigi* (BENOIT, 1951)**

*Stephanus Seyrigi* nov.sp.: BENOIT 1951: 270 (descr. ♂ ♀, fig. 1, Madagascar), 271 (fig. 2.1).

*Stephanus seyrigi* BENOIT, 1951: BENOIT 1957: 121 (tax., Madagascar).

*Stephanus seyrigi* BENOIT, 1951: VAN ACHTERBERG 2002: 199 (tax.).

*Megischus seyrigi* (BENOIT, 1951): AGUIAR 2004: 62 (tax., Madagascar, cat.).

D i s t r i b u t i o n : Madagascar: Prov. Antsiranana: Vallée du Sambirano – Prov. Toliara: Bekily, Zombitsy Special Reserve.

Endemic.

***Megischus* sp.**

*Madegafoenus* sp.: VAN ACHTERBERG 2002: 190 (tax., without locality), 192 (figs 647-654).

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

**Genus *Profoenatopus* VAN ACHTERBERG, 2002**

Description: VAN ACHTERBERG 2002: 191.

Typus generis: *Stephanus elliotti* CEBALLOS, 1926.

Distribution: Afrotropical region.

Valid species: 2.

***Profoenatopus elliotti* (CEBALLOS, 1926)**

*Stephanus elliotti* n.sp.: CEBALLOS 1926: 139 (descr. ♀, Madagascar), pl. 4 (fig. 1).

*Stephanus elliotti* CEBALLOS, 1926: CEBALLOS 1943: 162 (fig. 131a).

*Stephanus elliotti* CEBALLOS, 1926: BENOIT 1951: 270 (tax., desc. ♂, Madagascar).

*Stephanus elliotti* CEBALLOS, 1926: BENOIT 1957: 121 (Madagascar).

*Stephanus elliotti* CEBALLOS, 1926: BENOIT 1984: 217 (tax., desc. ♂, Madagascar).

*Stephanus elliotti* CEBALLOS, 1926: REY DEL CASTILLO & IZQUIERDO 1990: 262 (tax., Madagascar, cat. Museo Nacional de Ciencias Naturales de Madrid).

*Profoenatopus (Profoenatopus) elliotti* (CEBALLOS, 1926): VAN ACHTERBERG 2002: 48 (figs 296-304), 191 (tax., typ. gen.), 194 (figs 662-664).

*Profoenatopus (Profoenatopus) elliotti* (CEBALLOS, 1926): AGUIAR 2004: 73 (cat.).

*Profoenatopus elliotti* (CEBALLOS, 1926): VAN ACHTERBERG & QUICKE 2006: 217 key).

Distribution: Madagascar: Prov. Antananarivo: Anjozorobe – Prov. Toamasina: Andasibe (Perinet).

Endemic.

***Profoenatopus paulyi* VAN ACHTERBERG, 2002**

*Profoenatopus (Profoenatopus) paulyi* spec.nov.: VAN ACHTERBERG 2002: 195 (descr. ♀, Madagascar), 198 (figs 678-683).

*Profoenatopus (Profoenatopus) paulyi* VAN ACHTERBERG, 2002: AGUIAR 2004: 73 (cat.).

*Profoenatopus (Profoenatopus) paulyi* VAN ACHTERBERG, 2002: VAN ACHTERBERG & QUICKE 2006: 217 key).

Distribution: Madagascar: Prov. Toamasina: Mahavelona (Foulpointe).

Endemic.

**Doubtful taxa**

The species mentioned below were only figured by DE SAUSSURE (1890), but he has never described them. The type localities and repositories of the types are unknown. The species are not listed in DE DALLA TORRE (1901-1902) and KIEFFER (1908).

***Foenatopus phoberopus* (DE SAUSSURE, 1890)**

*Megischus phoberopus* n.sp.: DE SAUSSURE 1890: pl. 16 (figs 10, 10a, ♀).

*Foenatopus phoberopus* (DE SAUSSURE (!), 1890): AGUIAR 2004: 34 (tax., cat.).

Distribution: Unknown.

It is not possible to recognize the specific status.

***Profoenatopus oberthueri* (DE SAUSSURE, 1890)**

*Megischus Oberthüri* n.sp.: DE SAUSSURE 1890: pl. 16 (figs 9, 9a-c,p,t, ♀).

*Stephanus oberthüri* (!) (DE SAUSSURE, 1892): SCHULZ 1906: 102 (tax.).

*Megischus oberthuri* (!) DE SAUSSURE, 1890: AGUIAR 2004: 60 (tax., cat.).

*Profoenatopus (Profoenatopus) oberthueri* (DE SAUSSURE, 1890): VAN ACHTERBERG & QUICKE 2006: 217 (key), 219 (tax.).

**D i s t r i b u t i o n :** Unknown.

The specific status has been recognized by VAN ACHTERBERG & QUICKE (2006). Oberthür is a German surname.

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### Zusammenfassung

Die Familie Stephanidae ist in der Madegassischen Unterregion nur von Madagaskar mit 12 Arten nachgewiesen. Die Gattung *Foenatopus* SMITH, 1860 ist mit sechs Arten vertreten, die Gattung *Madegafoenus* BENOIT, 1951 mit einer Art, die Gattung *Megischus* BRULLÉ, 1846 mit drei Arten und die Gattung *Profoenatopus* VAN ACHTERBERG mit zwei Arten.

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Valid names are printed in bold, synonyms (including misspellings) in italics and identifications to genus level in normal letters.

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