

Annotated catalogue of the Stephanidae (Hymenoptera: Stephanoidea) of Gabon

Michael MADL

Abstract

Eight species of Stephanidae known from Gabon are catalogued. They represent the genera *Afromegischus* ACHTERBERG, 2002 (one species), *Foenatopus* SMITH, 1861 (six species), and *Profoenatopus* ACHTERBERG, 2002 (one species).

Key words: Stephanidae, *Afromegischus*, *Foenatopus*, *Profoenatopus*, species list, Gabon.

Zusammenfassung

Die Familie Stephanidae ist in Gabun mit acht Arten aus den Gattungen *Afromegischus* ACHTERBERG, 2002 (eine Art), *Foenatopus* SMITH, 1861 (sechs Arten) und *Profoenatopus* ACHTERBERG, 2002 (eine Art) vertreten.

Introduction

The small family Stephanidae is known from all zoogeographical regions. However, most species are recorded from tropical and subtropical regions. About 60 species are known from the Afrotropical Region (AGUIAR 2004; Madl, unpublished). Stephanids are parasitoids of wood boring Coleoptera and Hymenoptera.

The knowledge about the Stephanidae of Gabon is mainly based on the papers of SCHLETTERER (1889) and BENOIT (1950, 1956). Until now, eight species belonging to the genera *Afromegischus* ACHTERBERG, 2002 (*A. pachylomerus* (SCHLETTERER, 1889)), *Foenatopus* SMITH, 1861 (*F. brevipetiolatus* (ENDERLEIN, 1901), *F. burgeoni* BENOIT, 1949, *F. equatorialis* (BENOIT, 1949), *F. flavicollis* CAMERON, 1912, *F. limbatus* BENOIT, 1956, *F. piceicornis* CAMERON, 1912)) and *Profoenatopus* ACHTERBERG, 2002 (*P. xanthocephalus* (CAMERON, 1912)) have been recorded from Gabon. Nothing is known about their biology.

Annotated catalogue

The catalogued literature is restricted to articles dealing with Gabon.

***Afromegischus pachylomerus* (SCHLETTERER, 1889)**

Stephanus pachylomerus n.sp.: SCHLETTERER 1889: 86 (key), 98 (description ♀, Gabon without further data, 1 ♀), plate (fig. 13).

Stephanus pachylomerus SCHLETTERER, 1889: ENDERLEIN 1901: 198 (taxonomy, key, Gabon without exact locality (holotype)). – DALLA TORRE 1901: 8 (world catalogue). – ENDERLEIN 1905: 475 (fig. 1, world catalogue). – KIEFFER 1908: 4 (world catalogue), plate (fig. 5). – ELLIOTT 1922:

716 (key ♀), 723 (taxonomy, description ♀, Gabon without exact locality (cites SCHLETTERER 1889)). – BENOIT 1950: 266 (Lastoursville).

Afromegischus pachylomerus (SCHLETTERER, 1889): AGUIAR 2004: 15 (world catalogue).

Distribution: Ogooué-Lolo: Lastoursville – no exact locality (SCHLETTERER 1889, ENDERLEIN 1901). – *Afromegischus pachylomerus* is also recorded from the Democratic Republic of Congo, Equatorial Guinea (Mbini), Ghana, Ivory Coast, Liberia, and Nigeria. The holotype of *Stephanus pachylomerus*, which should be deposited in the Zoological Museum in Hamburg, is supposedly lost, because this species is not listed in WEIDNER (1972). ENDERLEIN (1901) might have been the last entomologist who examined the holotype.

***Foenatopus brevipetiolatus* (ENDERLEIN, 1901)**

Diastephanus brevipetiolatus (ENDERLEIN, 1901): BENOIT 1950: 264 (Nkogo (“Ogooué-Nkogo”; French Congo = Gabon)).

Foenatopus brevipetiolatus (ENDERLEIN, 1901): AGUIAR 2004: 20 (world catalogue).

Distribution: Moyen-Ogooué: Nkogo. – *Foenatopus brevipetiolatus* is also known from Cameroon. Gabon is missing in the distribution of the species in AGUIAR (2004).

***Foenatopus burgeoni* BENOIT, 1949**

Foenatopus burgeoni BENOIT, 1949: BENOIT 1950: 265 (Nkogo (“Ogooué, N’Kogo”; French Congo = Gabon)). – AGUIAR 2004: 21 (world catalogue).

Distribution: Moyen-Ogooué: Nkogo. – *Foenatopus burgeoni*, which is also known from the Democratic Republic of Congo, is missing in the distribution of the species in AGUIAR (2004). BENOIT (1984: 228) located Nkogo in the department of Lékoumou in the Republic of Congo, which is a geographical error.

***Foenatopus equatorialis* (BENOIT, 1949)**

Diastephanus equatorialis BENOIT, 1949: BENOIT 1950: 264 (Bassin d’Ivindo (French Congo = Gabon)).

Foenatopus equatorialis (BENOIT, 1949): AGUIAR 2004: 24 (taxonomy, world catalogue).

Distribution: Ogooué-Ivindo: Bassin d’Ivindo. – *Foenatopus equatorialis* is also recorded from the Democratic Republic of Congo. Gabon is missing in the distribution of the species in AGUIAR (2004).

***Foenatopus flavicollis* CAMERON, 1912**

Foenatopus flavicollis CAMERON, 1912: AGUIAR 2004: 25 (taxonomy, Ngomo (Congo = Gabon), world catalogue).

**Foenatopus flavicollis flavissimus* nov. subsp.: BENOIT 1950: 265 (description ♂, Ngomo (“N’Gomo”; French Congo = Gabon)).

Foenatopus flavicollis flavissimus BENOIT, 1950: AGUIAR 2004: 25 (synonym).

Distribution: Moyen-Ogooué: Ngomo. – *Foenatopus flavicollis* is also known from the Democratic Republic of Congo.

***Foenatopus limbatus* BENOIT, 1956**

Foenatopus limbatus sp.n.: BENOIT 1956: 209 (description ♀, Bas Ogooué without further data).

Foenatopus limbatus BENOIT, 1956: AGUIAR 2004: 30 (world catalogue).

Distribution: Bas Ogooué without exact locality. – Currently *Foenatopus limbatus* is restricted to Gabon.

***Foenatopus piceicornis* CAMERON, 1912**

Foenatopus piceicornis CAMERON, 1912: BENOIT 1950: 265 (Lastoursville (“Lastourville”)). – AGUIAR 2004: 34 (world catalogue).

Distribution: Ogooué-Lolo: Lastoursville. – *Foenatopus piceicornis* is also recorded from the Democratic Republic of Congo. Gabon is missing in the distribution of the species in AGUIAR (2004).

***Profoenatopus xanthocephalus* (CAMERON, 1912)**

Stephanus xanthocephalus CAMERON, 1912: BENOIT 1950: 266 (taxonomy, Lambaréné (French Congo = Gabon), Lastoursville).

Comnatopus xanthocephalus (CAMERON, 1912): AGUIAR 2004: 16 (taxonomy, world catalogue).

Distribution: Moyen-Ogooué: Lambaréné – Ogooué-Lolo: Lastoursville. – *Profoenatopus xanthocephalus* is known from Cameroon, Gabon, Democratic Republic of Congo, and Uganda. Gabon is missing in the distribution of the species in AGUIAR (2004).

Acknowledgements

I would like to thank Hans K. Mipounga (Institut de Recherche Agronomiques et Forestières, Libreville, Gabon) for his help during my stay in Gabon and discussions about old localities. I also thank Manuela Vizek and Wolfgang Brunnbauer (both Natural History Museum in Vienna) for their support in the collection and library, respectively.

References

- AGUIAR A.P., 2004: World catalog of the Stephanidae (Hymenoptera: Stephanoidea). – *Zootaxa* 2004: 120pp.
- BENOIT P.L.G., 1950: Stéphanides éthiopiens du Muséum National d’Histoire Naturelle (Hym.-Terebr.). – *Revue Française d’Entomologie* 17 (4): 263–267.
- BENOIT P.L.G., 1956: Nouvelles espèces africaines du genre *Foenatopus* SMITH (Hym.-Stephanidae). – *Bulletin & Annales de la Société Royale d’Entomologie de Belgique* 92 (7–8): 205–212.
- BENOIT P.L.G., 1984: Stephanidae de l’Afrique occidentale et centrale (Hymenoptera). – *Revue de Zoologie et de Botanique Africaines* 98 (1): 215–228.
- DALLA TORRE C.G. DE, 1901: *Catalogus hymenopterorum hucusque descriptorum systematicus et synonymicus III: Trigonalidae, Megalyridae, Stephanidae, Ichneumonidae, Agriotypidae, Evaniidae, Peleciniidae.* – Wolfgang Engelmann, Leipzig, 544pp.
- ELLIOTT E.A., 1922: Monograph of the hymenopterous family Stephanidae. – *Proceedings of the General Meetings for Scientific Business of the Zoological Society of London* 1922: 70–831.
- ENDERLEIN G., 1901: Neue Evaniiden, Stephaniden, Mutilliden (Apterogyna), Proctotrupiden und Chalcididen, mit einer Bestimmungstabelle der afrikanischen Stephaniden. Aus dem Kgl. Zoologischen Museum zu Berlin. – *Archiv für Naturgeschichte* 1901, Abteilung A, 1 (3): 187–220.
- ENDERLEIN G., 1905: Über die Klassifikation der Stephaniden. – *Zoologischer Anzeiger* 28 (13): 473–477.
- KIEFFER J.J., 1908: Hymenoptera Fam. Stephanidae. – In: WYTSMAN P. (ed.): *Genera Insectorum* 77: 10pp.
- SCHLETTERER A., 1889: Monographie der Hymenopteren-Gattung *Stephanus* JUR. – *Berliner Entomologische Zeitschrift* 33 (1): 71–160.
- WASPWEB: Hymenoptera of the Afrotropical region. Available from www.waspweb.org [accessed 20.05.2019].

WEIDNER H., 1972: Die Entomologischen Sammlungen des Zoologischen Instituts und Zoologischen Museums der Universität Hamburg VIII. Teil: Insecta V. – Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut 68: 107–134.

Author's address: Michael MADL, Natural History Museum in Vienna,
2nd Zoological Department, Burgring 7, 1010 Vienna, Austria.
E-mail: michael.madl@nhm-wien.ac.at

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Zeitschrift der Arbeitsgemeinschaft Österreichischer Entomologen](#)

Jahr/Year: 2019

Band/Volume: [71](#)

Autor(en)/Author(s): Madl Michael

Artikel/Article: [Annotated catalogue of the Stephanidae \(Hymenoptera: Stephanoidea\) of Gabon 127-130](#)