

Linzer biol. Beitr.	52/1	409-416	31.7.2020
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## A catalogue of the Orussidae, Siricidae and Tenthredinidae (Hymenoptera, Symphyta) of Gabon

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**A b s t r a c t :** Currently 11 species of Symphyta are recorded from Gabon belonging to the families Orussidae (one species), Siricidae (one species) and Tenthredinidae (nine species). The correct publication date of DU BUYSSON's paper "Hyménoptères nouveaux du Congo" is 27.01.1903 (not 1902) and that of ENSLIN's paper "Tenthredinoidea vom Belgisch Kongo gesammelt von Dr. J. Bequaert. Nebst Bemerkungen über einige afrikanische Tenthrediniden des Ungarischen Nationalmuseums" is 29.01.1914 (not 1913).

**Key words :** Orussidae, *Chalinus*, Siricidae, *Afrotremex*, Tenthredinidae, *Athalia*, *Neacidiophora*, *Netroceros*, *Xenapates*, *Dulophanes*, Gabon.

### Introduction

The sawfly fauna of Gabon is poorly investigated. So far, only one species each of the families Orussidae and Siricidae and nine species of the family Tenthredinidae have been recorded. The knowledge is mainly based on material, which was collected more than 100 years ago.

A good introduction to the study of the sawflies of the Afrotropical Region is the book by KOCH et al., GOERGEN & VAN NOORT (2015). It includes also a history of the sawfly research and a key to the genera excluding some smaller genera (F. Koch per e-mail).

### Annotated catalogue

#### Family **O r u s s i d a e**

##### ***Chalinus haugi* DU BUYSSON, 1903**

*Chalinus Haugi* n.sp.: DU BUYSSON 1903: 599 (description ♂, Bas Ogooué between Lambaréné and sea).

*Chalinus haugi* DU BUYSSON, 1902 (!): KONOW 1905b: 11 (world catalogue (Gabon – not Congo)).

*Chalinus haugi* DU BUYSSON, 1902 (!): BENSON 1935: 8 (key (Gabon – not Congo)).

*Chalinus haugi* DU BUYSSON, 1902 (!): GUIGLIA 1937a: 367 (taxonomy, description ♂, holotype examined (= Bas Ogooué between Lambaréné and sea)).

*Chalinus haugi* DU BUYSSON, 1902 (!): GUIGLIA 1937c: 453 (key, Bas Ogooué between Lambaréné and sea).

*Chalinus haugi* DU BUYSSON, 1902 (!): GUIGLIA 1943: 89 (world catalogue partim (Congo, French Congo = Gabon)).

*Chalinus haugi* DU BUYSSON, 1902 (!): GUIGLIA 1965: 2 (world catalogue partim).

- Chalinus haugi* DU BUYSSON, 1902 (!): VILHELMSSEN 2001: 364 (figure 11), 365 (figure 16), 367 (taxonomy, figure 23, world catalogue), 368 (figure 25: map), 371 (taxonomy, description ♂, Bas Ogooué (= Bas Ogooué between Lambaréné and sea)), 379 (key).
- Chalinus haugi* DU BUYSSON, 1902 (!): VILHELMSSEN 2003: 341 (table 2: Gabon without locality (=Bas Ogooué between Lambaréné and sea)), 343 (table 3: taxonomy), 345 (tab. 3: taxonomy), 347 (table 3: taxonomy), 364 (figure 61), 374 (table 5: taxonomy), 375 (table 5: taxonomy), 377 (figure 106: taxonomy), 378 (figure 107: taxonomy), 379 (figure 108: taxonomy), 389 (taxonomy, catalogue Afrotropical Region).
- Chalinus haugi* DU BUYSSON, 1902 (!): VILHELMSSEN 2004: 142 (table 2: taxonomy, Gabon without locality (=Bas Ogooué between Lambaréné and sea)), 146 (figure 1: taxonomy), 149 (figure 2: taxonomy).
- Chalinus haugi* DU BUYSSON, 1902 (!): VILHELMSSEN 2007: 114 (figure 1: taxonomy), 115 (figure 2: taxonomy).
- Chalinus haugi* DU BUYSSON, 1902 (!): TAEGER et al. 2010: 63 (world catalogue).
- Chalinus haugi* DU BUYSSON, 1902 (!): VILHELMSSEN & ZIMMERMANN 2014: 7 (figure 10: taxonomy), 9 (figure 11: taxonomy).
- Chalinus haugi* DU BUYSSON, 1902 (!): VILHELMSSEN et al. 2017: 894 (taxonomy, Bas Ogooué (= Bas Ogooué between Lambaréné and sea)), 899 (key, key figures 3A, B), 925 (figure 12: map).
- D i s t r i b u t i o n :** Ogooué between Lambaréné and sea (DU BUYSSON 1903, GUIGLIA 1937a, 1937c, VILHELMSSEN 2001, 2003, 2004).
- Currently *Chalinus haugi* is restricted to Gabon. FORSIUS (1931: 2, 15) recorded *Chalinus haugi* from Uganda (Mabira Forest: Chagwe), but this record is a misidentification of *Chalinus imperialis* (WESTWOOD, 1874) (VILHELMSSEN 2001: 372). VILHELMSSEN (2001: 372; 2003: 389) and VILHEMSEN et al. (2017: 894) erroneously assigned this locality to Tanzania. The correct publication date of DU BUYSSON's paper "Hyménoptères nouveaux du Congo" is 27.01.1903 (Bulletin du Muséum d'Histoire Naturelle Paris 9/1: 1).

## Family S i r i c i d a e

### Subfamily T r e m e c i n a e

#### *Afrotremex hyalinatus* (MOCSÁRY, 1891)

- Tremex hyalinatus* n.sp.: MOCSÁRY 1891: 158 (description ♂, Gabon without further data).
- Tremex hyalinatus* MOCSÁRY, 1891: DE DALLA TORRE 1894: 382 (world catalogue).
- Tremex hyalinatus* MOCSÁRY, 1891: KONOW 1898: 84 (key), 86 (taxonomy), 90 (world catalogue).
- Tremex hyalinatus* MOCSÁRY, 1891: KONOW 1905a: 115 (key), 116 (taxonomy, description ♂, Gabon without further data).
- Tremex hyalinatus* MOCSÁRY, 1891: KONOW 1905b: 8 (world catalogue).
- Tremex hyalinatus* MOCSÁRY, 1891: GUIGLIA 1937b: 433 (taxonomy partim, description ♂, Gabon without further data (holotype examined)), 436 (figure 1), pl. 15.
- Tremex hyalinatus* MOCSÁRY, 1891: HEDICKE 1938: 29 (world catalogue partim).
- Tremex hyalinatus* MOCSÁRY, 1891: BENSON 1943: 33, 35 (taxonomy), 42 (taxonomy, no material examined).
- "*Tremex*" *hyalinatus* MOCSÁRY, 1891: MAA 1949: 163 (taxonomy).
- Afrotremex hyalinatus* (MOCSÁRY, 1891): PASTEELS 1951: 196 (typus generis).
- Afrotremex hyalinatus* (MOCSÁRY, 1891): SMITH 1978: 90 (world catalogue partim).
- Afrotremex hyalinatus* (MOCSÁRY, 1891): ABE & SMITH 1991: 5 (world catalogue types of genus-group names).
- Afrotremex hyalinatus* (MOCSÁRY, 1891): TAEGER et al. 2010: 63 (world catalogue).
- Afrotremex hyalinatus* (MOCSÁRY, 1891): SCHIFF et al. 2012: 213 (figure C30.1), 214 (catalogue Afrotropical Region).
- Afrotremex hyalinatus* (MOCSÁRY, 1891): GOULET 2014: 204 (figures M4, M4a, M6), 206 (taxonomy), 207 (key), 208 (figure K3), 209 (figures K8, K10, K11, K13), 210 (figures K15,

K18), 211 (figure K21), 213 (figure K35), 214 (figures K37, K39, K39a, K40, K40a), 215 (figures K41, K43), 218 (figure T1.27), 220 (figures T1.1, T1.3, T1.5-7), 221 (figure T1.12), 222 (figures T1.13, T1.17), 223 (map), 229 (taxonomy, description ♂, type not examined, Republic of Congo), 231 (figures T3.1-4), 232 (figures T3.5-8).

*Afrotremex hyalinatus* (MOCSÁRY, 1891): VAN NOORT & GOULET 2015: 9 (catalogue Afrotropical Region).

**D i s t r i b u t i o n :** no exact locality (MOCSÁRY 1891, KONOW 1905, GUIGLIA 1937b).

*Afrotremex hyalinatus* is also known from the Republic of Congo.

## Family T e n t h r e d i n i d a e

### Subfamily A l l a n t i n a e

#### *Neacidiophora bellicornis* KONOW, 1907

*Neacidiophora bellicornis* KONOW, 1907: FORSIUS 1934: 404 (Libreville).

*Neacidiophora bellicornis* KONOW, 1907: PASTEELS 1950: 277 (Lambaréné, Bas Ogooué between Lambaréné and sea).

*Neacidiophora bellicornis* KONOW, 1907: KOCH 1998a: 87 (key), 91 (taxonomy, description ♀ ♂, Bas Ogooué (? = Bas Ogooué between Lambaréné and sea, Lambaréné), Libreville (Gabon – not Ghana), Tsini (river)), 92 (figures 22-27), 117 (map 82).

*Neacidiophora bellicornis* KONOW, 1907: KOCH 1998b: 3 (figure 10).

**D i s t r i b u t i o n :** Estuaire: Libreville, Tsini (river) – Moyen-Ogooué: Lambaréné – Ogooué between Lambaréné and sea.

*Neacidiophora bellicornis* is also known from Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea (Mbini), Ghana, Ivory Coast, Liberia, Nigeria, Republic of Congo, Sierra Leone, Togo and Uganda.

#### *Netroceros rufiventris* KONOW, 1896

*Eriocampa (Netroceros) rufiventris* n.sp.: KONOW 1896a: 51 (description ♂, Gabon without further data).

*Netroceros rufiventris* KONOW, 1896: KONOW 1905c: 101 (world catalogue (Gabon – not West Africa)).

*Netroceros rufiventris* KONOW, 1896: KONOW 1908: 161 (taxonomy).

*Netroceros rufiventris* (KONOW, 1896): ROHWER 1911: 85 (typus generis, world catalogue of genus-group names).

*Netroceros rufiventris* KONOW, 1896: ENSLIN 1913: 106 (taxonomy, Equatorial Guinea (Mbini)).

*Netroceros rufiventris* KONOW, 1896: ENDERLEIN 1920: 370 (taxonomy).

*Netroceros rufiventris* KONOW, 1896: FORSIUS 1928: 333 (Liberia).

*Netroceros rufiventris* KONOW, 1896: PASTEELS 1949: 54 (key), 100 (catalogue Democratic Republic of Congo and Rwanda).

*Netroceros rufiventris* KONOW, 1896: PASTEELS 1950: 276 (taxonomy, description ♂, Lambaréné, Ngomo).

*Netroceros rufiventris* KONOW, 1896: ABE & SMITH 1991: 57 (world catalogue types of genus-group names).

*Netroceros rufiventris* KONOW, 1896: KOCH 1998b: 9 (figures 44-56), 10 (figures 57-60), 12 (key, taxonomy, description ♀ ♂, Chûtes de Samba ("Chûtes de Samlia", Gabon – not Benin), Lambaréné, Ngomo, no exact locality, Congo, Equatorial Guinea (Mbini), Liberia, Cameroon), 16 (figure 75: map).

*Netroceros rufiventris* KONOW, 1896: SMITH 2003: 166 (taxonomy).

*Netroceros rufiventris* KONOW, 1896: TAEGER et. al 2010: 295 (world catalogue).

**D i s t r i b u t i o n :** Moyen-Ogooué: Lambaréné, Ngomo – Ngounié: Chûtes de Samba – no exact locality (KONOW 1896a, KOCH 1998b).

*Netroceros rufiventris* is also recorded from Cameroon, "Congo" (= Democratic Republic of Congo (PASTEELS 1949: 100)), Equatorial Guinea (Mbini) and Liberia.

***Xenapates braunsi* (KONOW, 1896)**

*Xenapates braunsi* (KONOW, 1896): KOCH 1995: 374 (key ♀), 375 (key ♀), 384 (taxonomy, description ♀ ♂, no records), 385 (figures 9a-d), 424 (taxonomy), 432 (figure 48: map).

\**Xenapates scutellaris* FORSIUS, 1927: FORSIUS 1933: 302 (Ndjolé).

**D i s t r i b u t i o n :** Moyen Ogooué: Ndjolé.

*Xenapates braunsi* is also known from Cameroon, Democratic Republic of Congo, Equatorial Guinea (Mbini), Ghana, Ivory Coast, Liberia, Nigeria and Togo. FORSIUS (1933) is not cited in KOCH (1995).

***Xenapates gabunensis* (KONOW, 1896)**

*Taxonus gabunensis* n.sp.: KONOW 1896b: 315 (description ♂, Gabon without further data).

*Taxonus gabunensis* KONOW, 1896: KONOW 1905c: 109 (world catalogue (Gabon – not West Africa)).

*Siobla gabunensis* (KONOW, 1896): KONOW 1908: 162 (taxonomy).

*Xenapates gabunensis* (KONOW, 1896): ENSLIN 1913: 105 (taxonomy, Equatorial Guinea (Mbini)), 106 (key).

*Xenapates gabunensis* (KONOW, 1896): ENSLIN 1914: 309 (taxonomy).

*Xenapates gabunensis* (KONOW, 1896): FORSIUS 1928: 334 (taxonomy, description ♀, Democratic Republic of Congo).

? *Xenapates gabunensis* (KONOW, 1896): BENSON 1939: 120 (taxonomy).

*Xenapates gabunensis* (KONOW, 1896): PASTEELS 1949: 5 (taxonomy, catalogue Central Africa), 7 (key), 12 (taxonomy, description ♀, Democratic Republic of Congo), 14 (figure 5), 98 (catalogue Democratic Republic of Congo and Rwanda).

*Xenapates gabunensis* (KONOW, 1896): KOCH 1995: 375 (key ♀), 397 (taxonomy, description ♂, figure 19, Gabon without further data), 424 (taxonomy), 432 (figure 48: map).

*Xenapates gabunensis* (KONOW, 1896): KOCH 2007: 112 (figure 1: map), 114 (figure 4), 118 (taxonomy, Togo).

*Xenapates gabunensis* (KONOW, 1896): TAEGER et. al 2010: 307 (world catalogue).

**D i s t r i b u t i o n :** no exact locality (KONOW 1896b, KOCH 1995).

*Xenapates gabunensis* is also recorded from Cameroon, Democratic Republic of Congo, Equatorial Guinea (Mbini), Rwanda and Togo. The correct publication date of ENSLIN's paper "Tenthredinoidea vom Belgisch Kongo gesammelt von Dr. J. Bequaert. Nebst Bemerkungen über einige afrikanische Tenthrediniden des Ungarischen Nationalmuseums" is 29.01.1914 (Revue Zoologique Africaine 3/3: 495).

***Xenapates pallipes* PASTEELS, 1950**

*Xenapates pallipes* n.sp.: PASTEELS 1950: 273 (description ♀ ♂, Lambaréné).

*Xenapates pallipes* PASTEELS, 1950: KOCH 1995: 374 (key ♀), 375 (key ♀), 407 (taxonomy, description ♂, Lambaréné), 409 (figures 28a, b, 29a,b), 423 (figure 39: taxonomy), 424 (taxonomy), 427 (taxonomy), 430 (map 45).

*Xenapates pallipes* PASTEELS, 1950: TAEGER et. al 2010: 308 (world catalogue).

**D i s t r i b u t i o n :** Moyen-Ogooué: Lambaréné.

Currently *Xenapates pallipes* is restricted to Gabon.

***Xenapates variator* ENSLIN, 1913**

*Xenapates variator* ENSLIN, 1913: KOCH 1995: 372 (figures 1a,c,e), 373 (key), 380 (figure 5: taxonomy), 416 (taxonomy, description ♀, Lambaréné, Ngomo, Samkita ("Sam-Quito")), 417 (figures. 35a-e), 424 (taxonomy), 426 (taxonomy), 430 (figure 44: map).

*Xenapates variator* ENSLIN, 1913: TAEGER et. al 2010: 308 (world catalogue).

\**Anataxates semiluteum* n.sp.: PASTEELS 1950: 272 (description ♀ ♂, figure 1c, Lambaréné, Ngomo, Samkita ("Sam Kito"), between Samkita and Ndjolé ("Sam Kito and N'Jolé")).

**D i s t r i b u t i o n :** Moyen-Ogooué: Lambaréné, Ngomo, Samkita, between Samkita and Ndjolé.

*Xenapates variator* is also known from Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial-Guinea (Mbini) and Uganda.

**Subfamily A t h a l i i n a e*****Athalia concors* KONOW, 1908**

*Athalia concors* KONOW, 1908: FORSIUS 1933: 302 (Lambaréné).

*Athalia concors* KONOW, 1908: TAEGER et. al 2010: 261 (world catalogue).

**D i s t r i b u t i o n :** Moyen Ogooué: Lambaréné.

*Athalia concors* is recorded from the Afrotropical (Democratic Republic of Congo, Eritrea, Gabon, Kenya, Lesotho, Malawi, Somalia, South Africa, Uganda) and Palearctic (Yemen) regions. The identification should be checked (F. Koch per e-mail).

**Subfamily S e l a n d r i i n a e*****Dulophanes gowdeyi* (FORSIUS, 1927)**

*Phanodules gowdeyi* FORSIUS, 1927: PASTEELS 1950: 278 (taxonomy, description ♀, between Samkita and Ndjolé ("Sam-Quito and N'Jolé")).

**D i s t r i b u t i o n :** Moyen-Ogooué: between Samkita and Ndjolé.

*Dulophanes gowdeyi* is also recorded from the Democratic Republic of Congo and Uganda (FORSIUS 1927).

***Dulophanes gracilis* (FORSIUS, 1934)**

*Dulophanella gracilis* FORSIUS, 1934: PASTEELS 1950: 278 (Lambaréné).

**D i s t r i b u t i o n :** Moyen-Ogooué: Lambaréné.

*Dulophanes gracilis* is also known from the Democratic Republic of Congo.

**Acknowledgements**

I am greatly indebted to Wolfgang Brunnbauer (Naturhistorisches Museum Wien, Austria) and Manuela Vizek (Naturhistorisches Museum Wien, Austria) for their support in compilation of the catalogue. Many thanks to Frank Koch (Museum für Naturkunde, Berlin, Germany), who kindly reviewed the paper.

### Zusammenfassung

Derzeit sind in Gabun 11 Arten von Symphyta nachgewiesen und zwar aus den Familien Orussidae (eine Art), Siricidae (eine Art) und Tenthredinidae (neun Arten). Das korrekte Erscheinungsdatum von du Buyssons Arbeit "Hyménoptères nouveaux du Congo" ist 27.01.1903 und das von Enslins Arbeit "Tenthredinoidea vom Belgisch Kongo gesammelt von Dr. J. Bequaert. Nebst Bemerkungen über einige afrikanische Tenthrediniden des Ungarischen Nationalmuseums" ist 29.01.1914.

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