

New records of spider wasps (Hymenoptera: Pompilidae) from Madagascar

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Abstract

Records of 20 species of the family Pompilidae from Madagascar are communicated. *Paracyphononyx diversus* (DAHLBOM, 1845) is new to the fauna of Madagascar. A list of undescribed new species recognized by Raymond Wahis and labelled by him as paratypes, which are deposited in the Natural History Museum Vienna (Austria), is added.

Key words: Pompilidae, Ceropalinae, Pepsinae, Pompilinae, new records, Madagascar.

Zusammenfassung

Die Funddaten von 20 Arten der Familie Pompilidae von Madagaskar werden mitgeteilt. *Paracyphononyx diversus* (DAHLBOM, 1845) ist neu für die Fauna von Madagaskar. Eine Liste von unbeschriebenen Arten aus dem Naturhistorischen Museum Wien (Österreich), die von Raymond Wahis als neu erkannt und als Paratypen bezeichnet wurden, ist beigelegt.

Introduction

This paper deals with the Pompilidae chiefly collected by the author on mainland Madagascar. It does not repeat records from the small island of Nosy Boraha (Sainte Marie) that were previously published (MADL 2016). The material, which was identified by Raymond Wahis (Gembloux, Belgium), is deposited in the Natural History Museum Vienna (Austria). It comprises 20 species belonging to the subfamilies Ceropalinae (*Ceropales seyrigi* WAHIS, 1988), Pepsinae (nine species), and Pompilinae (ten species). The subfamily Pepsinae is represented by the genera *Auplopus* SPINOLA, 1841 (five species), *Cyphononyx* DAHLBOM, 1845 (one species), *Diplonyx* DE SAUSSURE, 1887 (one species), *Hemipepsis* DAHLBOM, 1844 (one species), and *Priocnemis* SCHIOEDTE, 1837 (one species). The subfamily Pompilinae is represented by the genera *Anoplius* DUFOUR, 1834 (two species), *Batozonellus* ARNOLD, 1837 (one species), *Episyron* SCHIOEDTE, 1837 (two species), *Ferreola* LEPELETIER DE SAINT-FARGEAU, 1845 (one species), *Homonotus* DAHLBOM, 1843 (one species), and *Paracyphononyx* GRIBODO, 1884 (three species). The material also contains specimens of eight still undescribed species, which have been recognized as new by Raymond Wahis and labelled by him as paratypes (cf. Tab. 1).

Tab. 1: List of unpublished species names used by MADL (2016, and this paper). The list contains all species that Raymond Wahis recognized as new to science and designated as paratypes. The species are still undescribed. The material is deposited in the Natural History Museum Vienna.

subfamily	unpublished name	MADL (2016)	this paper
Pepsinae	<i>Auplopus cavifrons</i>	×	×
	<i>Auplopus seyrigi</i>	×	
	<i>Auplopus tuberatus</i>	×	
	<i>Auplopus xanthogrammus</i>	×	
	<i>Poecilagenia bimaculosa</i>	×	
	<i>Poecilagenia fasciata</i>		×
Pompilinae	<i>Agenioideus berentyensis</i>		×
	<i>Agenioideus concinnus</i>		×
	<i>Episyron wasbaueri</i>		×
	<i>Microphadnus quadriguttatus</i>		×
	<i>Paracyphononyx leucospilus</i>		×
	<i>Schistonyx hirsutissimus</i>		×
	<i>Schistonyx ninifer</i>		×

List of species

Subfamily Ceropalinae

Ceropales seyrigi WAHIS, 1988

Ceropales (*Bifidoceropales*) *seyrigi* spec.nov.: WAHIS 1988: 217 (description ♀ ♂, biology, Ampijoroa, Bekily, Behara, Berenty Private Reserve, Beroboka, Rogez = Andekaleka), 218 (fig. 4: map), 219 (key, figs. 5c, 6c), 220 (fig. 7c).

Ceropales (*Bifidoceropales*) *seyrigi* WAHIS, 1988: MÓCZÁR 1990: 60 (biogeography), 63 (key), 80 (taxonomy, Bekily, Beroboka).

Ceropales seyrigi WAHIS, 1988: MADL 2020: 81 (catalogue Afrotropical region).

Material: Prov. Mahajanga, surroundings of Katsepy, 2 ♀♀, 2 ♂♂, 17–26.XII.1993, leg. M. Madl; Prov. Toliara, Sarondrano, 1 ♀, 26.V.1998, leg. M. Madl.

Host: *Auplopus* sp. (Pompilidae) (WAHIS 1988).

Distribution: Prov. Mahajanga: Ampijoroa, Katsepy; Prov. Toamasina: Andekaleka (Rogez); Prov. Toliara: Behara, Bekily, Berenty Private Reserve, Beroboka, Sarondrano. – Endemic to Madagascar.

Subfamily Pepsinae

Auplopus consobrinus (DE SAUSSURE, 1892)

Stenagenia consobrina n.sp.: SAUSSURE 1892: 339 (key), 341 (description ♂, surroundings Antananarivo (leg. F. Sikora)), pl. 24 (figs. 7, 7l–n).

Pseudagenia consobrina (DE SAUSSURE, 1892): DALLA TORRE 1897: 201 (taxonomy, world catalogue); JUNCO Y REY 1951: 199 (world catalogue).

Stenagenia consobrina DE SAUSSURE, 1892: SCHULZ 1911: 128 (taxonomy, Andrangoloaka (type), Madagascar without exact locality (leg. F. Sikora)).

Auplopus consobrinus (DE SAUSSURE, 1892): MADL 2016: 1334 (Nosy Boraha).

Material: Prov. Toamasina, at road from Moramanga to Anosibe, 2 km N Ampasimpotsy, 1 ♀, 31.X.2001, leg. M. Madl.

Distribution: Prov. Antananarivo: Andrangoloaka; Prov. Toamasina: 2 km N Ampasimpotsy, Nosy Boraha; Madagascar without exact locality (SCHULZ 1911). – Endemic to Madagascar.

***Auplopus lycaste* (BANKS, 1941)**

Pseudagenia lycaste new species: BANKS 1941: 345 (key), 347 (description ♀, Maromandia), 348 (fig. 4).

Pseudagenia lycaste BANKS, 1941: JUNCO Y REY 1951: 200 (world catalogue).

Auplopus lycaste (BANKS, 1941): MADL 2016: 1334 (Nosy Boraha).

Material: Prov. Fianarantsoa, at road from Ifanadiana to Fort Carnot, 27 km S Ifanadiana, 1 ♂, 27.X.2001, leg. M. Madl.

Distribution: Prov. Mahajanga: Maromandia; Prov. Toamasina: Nosy Boraha; Prov. Fianarantsoa: Fianarantsoa, 27 km S Ifanadiana. – Endemic to Madagascar.

***Auplopus pedunculatus* (DE SAUSSURE, 1892)**

Stenagenia pedunculata n.sp.: SAUSSURE 1892: 339 (key, description ♂, near Antananarivo (3 ♂♂ leg. F. Sikora), pl. 24 (figs. 6, 6a).

Pseudagenia pedunculata (DE SAUSSURE, 1892): DALLA TORRE 1897: 207 (world catalogue); KOHL 1897 (in DALLA TORRE): 207 (taxonomy); JUNCO Y REYES 1951: 201 (world catalogue).

Agenia (Agenia) pedunculata (DE SAUSSURE, 1892): SCHULZ 1911: 127 (taxonomy, Andrangoloaka (3 types), Madagascar without exact locality (♂)), 220 (junior secondary homonym of *Agenia pedunculata* SMITH, 1855 within the genus *Agenia* SCHIOEDTE, 1837).

Stenagenia pedunculata DE SAUSSURE, 1892: PATE 1946: 108 (catalogue generotypes).

Auplopus pedunculatus (DE SAUSSURE, 1892): MADL 2016: 1334 (Nosy Boraha).

Agenia taeniata n.sp.: SAUSSURE 1892: 342 (key), 343 (key), 344 (key), 347 (description ♀, surroundings Antananarivo (de Saussure Collection)), pl. 24 (figs. 8, 8a, l–n).

Pseudagenia taeniata (DE SAUSSURE, 1892): DALLA TORRE 1897: 209 (world catalogue); KOHL 1897 (in DALLA TORRE): 209 (taxonomy); BANKS 1941: 345 (key), 350 (taxonomy, description ♀, Fanovana).

Agenia (Agenia) taeniata DE SAUSSURE, 1892: SCHULZ 1911: 126 (taxonomy), 127–128 (taxonomy, synonym, Andrangoloaka (leg. F. Sikora)), 208 (synonym), 220 (replacement name for *Stenagenia pedunculata* DE SAUSSURE within the genus *Agenia* SCHIOEDTE, 1837).

? *Agenia taeniata* DE SAUSSURE, 1892: SCHULTHESS 1919: 49 (Antananarivo).

Material: Prov. Fianarantsoa, Ranomafana National Park, 2 km E Vohiparara, 1100 m, 2 ♂♂, 27.X.2001, leg. R. Schuh.

Distribution: Prov. Antananarivo: Andrangoloaka, Antananarivo, surroundings of Antananarivo; Prov. Toamasina: Fanovana, Nosy Boraha; Prov. Fianarantsoa: Ranomafana National Park (2 km E Vohiparara); Madagascar without exact locality (SCHULZ 1911). – Endemic to Madagascar.

***Auplopus pugnax* (BANKS, 1941)**

Pseudagenia pugnax new species: BANKS 1941: 345 (key), 346 (description ♀ ♂, Ambalavao, Moramanga), 348 (fig. 7).

Pseudagenia pugnax BANKS, 1941: JUNCO Y REYES 1951: 201 (world catalogue).

Auplopus pugnax (BANKS, 1941): MADL 2016: 1334 (Nosy Boraha).

Material: Prov. Fianarantsoa, at road from Ifanadiana to Fort Carnot, 27 km S Ifanadiana, 1 ♀, 27.X.2001, leg. M. Madl.

Distribution: Prov. Toamasina: Moramanga, Nosy Boraha; Prov. Fianarantsoa: Ambalavao, 27 km S Ifanadiana. – Endemic to Madagascar.

***Auplopus quadrimacula* (BANKS, 1941)**

Pseudagenia quadrimacula new species: BANKS 1941: 345 (key), 347 (description ♀, Mandritsara), 348 (fig. 3).

Pseudagenia quadrimacula BANKS, 1941: JUNCO Y REYES 1951: 201 (world catalogue).

Material: Prov. Antananarivo, Ivato, 2 ♀♀, 7–10.X.1994, leg. M. Madl.

Distribution: Prov. Antananarivo: Ivato; Prov. Toamasina: Mandritsara. – Endemic to Madagascar.

***Auplopus* sp. (*cavifrons* Wahis, unpublished)**

Material: Prov. Mahajanga, surroundings of Katsepy, 2 ♀♀, 30.V.–3.VI.1995, leg. M. Madl; Prov. Antananarivo: surroundings of Analavory, near geysers, 1 ♂, 4.XI.2001, leg. M. Madl.

***Cyphononyx bretonii grandidieri* DE SAUSSURE, 1887**

Cyphononyx (*Cyphononyx*) *Grandidieri* n.sp.: SAUSSURE 1887: 3 (description ♀, Madagascar without exact locality).

Cyphononyx grandidieri DE SAUSSURE, 1887: SAUSSURE 1890: pls. 9 (fig. 30), 10 (fig. 30a); SAUSSURE 1892: 399 (key), 399–400 (taxonomy), 400 (taxonomy, description ♀ ♂, Antananarivo (leg. F. Sikora), Imerina (leg. P. Camboué), Madagascar without exact locality (Grandidier Collection)); BANKS 1941: 341 (taxonomy, description ♀ ♂, Mandritsara, Moramanga).

Salius grandidieri (DE SAUSSURE, 1887): DALLA TORRE 1897: 227 (world catalogue); KOHL 1897 (in DALLA TORRE): 227 (taxonomy).

Cryptochilus (*Chyphononyx*) *bretoni* (!) *grandidieri* (DE SAUSSURE, 1887): SCHULZ 1911: 133 (taxonomy, specimens (♂ ♀) examined, no localities mentioned).

Cyphononyx flavicornis ssp. *grandidieri* DE SAUSSURE, 1887: HAUPT 1950: 25 (taxonomy).

Cyphononyx bretonii grandidieri DE SAUSSURE, 1887: WAHIS 2000b: 75 (taxonomy).

Cyphononyx (*Diplonyx*) *dolosus* n.sp.: SAUSSURE 1887: 3 (description ♀ ♂, Madagascar without exact locality).

Cyphononyx dolosus DE SAUSSURE, 1887: SAUSSURE 1890: pls. 9 (fig. 32), 10 (fig. 32a); SAUSSURE 1892: 399 (key), 399–400 (taxonomy), 402 (taxonomy, description ♀ ♂, Antananarivo (leg. F. Sikora), Madagascar without exact locality (Grandidier Collection)); FRIESE 1900: 266 (Mahajanga); BANKS 1941: 341 (taxonomy, Maromandia).

Salius dolosus (DE SAUSSURE, 1887): DALLA TORRE 1897: 220 (taxonomy, world catalogue); KOHL 1897 (in DALLA TORRE): 220 (taxonomy).

Salius (*Cyphononyx*) *dolosus* DE SAUSSURE, 1887: KOHL 1906: 264 (taxonomy, world catalogue *Cyphononyx*).

Cyphononyx (*Diplonyx*) *dolosus* DE SAUSSURE, 1887: SCHULZ 1911: 133 (synonym), 209 (synonym).

Material: Prov. Toliara, at road from Toliara to Sakaraha, river valley 9 km before Sakaraha, 2 ♀♀, 22–25.V.1998, leg. M. Madl.

Distribution: Prov. Mahajanga: Mahajanga, Maromandia; Prov. Antananarivo: Antananarivo, Imerina without exact locality (SAUSSURE 1892); Prov. Toamasina: Fanovana, Moramanga, Mandritsara; Prov. Toliara: 9 km before Sakaraha; Madagascar without exact locality (SAUSSURE 1887, 1892). – *Cyphononyx bretonii grandidieri*, which is endemic to the Malagasy subregion, is also recorded from the Comoros (Anjouan), Mayotte, and Europa. The nominal subspecies, which is widely distributed in Africa and southern Europe, is known in the region only from Juan de Nova (SCHULZ 1911: 133).

***Diplonyx campanulatus* (DE SAUSSURE, 1892)**

Cyphononyx (*Diplonyx*) *campanulatus* n.sp.: SAUSSURE 1887: 3 (typus subgeneris, description ♀, Madagascar without exact locality).

Cyphononyx campanulatus DE SAUSSURE, 1887: SAUSSURE 1890: pl. 9 (figs. 31, 31a).

Cyphononyx campanulatus DE SAUSSURE, 1887: SAUSSURE 1892: 399 (key), 399–400 (taxonomy), 403 (taxonomy, description ♂, Madagascar without exact locality (Romand Collection)).

Salius campanulatus (DE SAUSSURE, 1887): DALLA TORRE 1897: 216 (world catalogue); KOHL 1897 (in DALLA TORRE): 216 (taxonomy).

Salius (*Cyphononyx*) *campanulatus* (DE SAUSSURE, 1887): KOHL 1906: 263 (taxonomy, world catalogue *Cyphononyx*).

Cryptochilus campanulatus (DE SAUSSURE, 1887): SCHULZ 1911: 131 (taxonomy, Madagascar without exact locality (Romand Collection)).

Cyphononyx campanulatus DE SAUSSURE, 1887: BANKS 1941: 340 (synonym of *Monodontonyx deplanatus* (DE SAUSSURE, 1892 (!)).

Diplonyx campanulatus (DE SAUSSURE, 1887): HAUPT 1950: 18 (key, typus generis), 22 (taxonomy), 23 (key).

Priocnemis crenatipes n.sp.: SAUSSURE 1890: pls. 8 (figs. 21 (♀), 21c, d, g), 10 (fig. 21a).

Priocnemis crenatipes n.sp.: SAUSSURE 1891: 266 (description ♀, Madagascar without exact locality).

Wasp (fig. III): CORY 1891: 167 (biology, locality not mentioned), 170 (explanatory notes on pl. fig. 3: description ♀).

Priocnemis crenatipes DE SAUSSURE, 1891: SAUSSURE 1892: 369 (key), 370 (taxonomy), 371 (taxonomy), 372 (taxonomy, description ♀ ♂, biology (CORY 1891), Madagascar without exact locality (common)).

Salius crenatipes (DE SAUSSURE, 1891): DALLA TORRE 1897: 219 (world catalogue); KOHL 1897 (in DALLA TORRE): 219 (taxonomy).

Priocnemis crenatipes DE SAUSSURE, 1891: SCHULZ 1911: 131 (synonym), 208 (synonym); SCHULTHESS 1919: 49 (Antananarivo).

Monodontonyx crenatipes (DE SAUSSURE, 1891): BANKS 1941: 340 (taxonomy, description ♀ ♂, Ambalavao, Antananarivo, Fanovana, Mandritsara, Maromandia (“Northwest Madagascar”), Moramanga), 348 (fig. 9c).

Priocnemis crenatipes DE SAUSSURE, 1891: HAUPT 1950: 22 (synonym).

Priocnemis subpetiolatus n.sp.: SAUSSURE 1890: pls. 8 (figs. 24 (♂, not ♀), 24b, t), 10 (fig. 24a (♂, not ♀)).

Priocnemis subpetiolatus n.sp.: SAUSSURE 1891: 266 (description ♂ (not ♀ – corrected by SAUSSURE 1892), Madagascar without exact locality).

Priocnemis subpetiolatus DE SAUSSURE, 1891: SAUSSURE 1892: 372 (taxonomy, description ♂, not ♀, synonym of *Priocnemis crenatipes*); SCHULZ 1911: 131 (synonymy confirmed).

Material: Prov. Antananarivo, Ivato, 1 ♀, 7–10.I.1994, leg. M. Madl; Prov. Fianarantsoa; at road Ifanadiana – Fort Carnot, 27 km S Ifanadiana, 1 ♀, 27.X.2001, leg. M. Madl.

Distribution: Prov. Mahajanga: Maromandia; Prov. Antananarivo: Antananarivo, Ivato; Prov. Toamasina: Fanovana, Mandritsara, Moramanga; Prov. Fianarantsoa: Ambalavao, Fianarantsoa, 27 km S Ifanadiana; Madagascar without exact locality (CORY 1891, SAUSSURE 1887, 1891, 1892). – Endemic to Madagascar.

***Hemipepsis furunculata* (DE SAUSSURE, 1891)**

Priocnemis furunculatus n.sp.: SAUSSURE 1891: 267 (description ♂, Madagascar without exact locality).

Mygnumia furunculata (DE SAUSSURE, 1891): SAUSSURE 1892: 369 (key), 370 (taxonomy), 371 (taxonomy), 372 (taxonomy), 380 (taxonomy, description ♂, Madagascar without exact locality (leg. M. Scott Elliott)), pl. 23 (fig. 18).

Salix furunculatus (DE SAUSSURE, 1891): DALLA TORRE 1897: 225 (world catalogue); KOHL 1897 (in DALLA TORRE): 225 (taxonomy).

Cryptochilus (*Mygnumia*) *furunculatus* (DE SAUSSURE, 1891): SCHULZ 1911: 132 (taxonomy, Madagascar without locality (type examined)), 209 (taxonomy).

Material: Prov. Antananarivo, Ivato, 1 ♀, 7–10.I.1994, leg. M. Madl; Prov. Toliara: at road from Toliara to Sakaraha, 35 km before Andranovory, 1 ♀, 22.X.1996, leg. M. Madl.

Distribution: Prov. Antananarivo: Ivato; Prov. Toamasina: Moramanga, Toamasina; Prov. Toliara: 35 km before Andranovory, Bekily; Madagascar without exact locality (SAUSSURE 1891, 1892, SCHULZ 1911). – Endemic to Madagascar.

***Poecilagenia* sp. (*fasciata* Wahis, unpublished)**

Material: Prov. Antsiranana, Nosy Komba, 1 ♀, 25–26.V.1995, leg. M. Madl.

***Priocnemis serripes* DE SAUSSURE, 1890**

Priocnemis serripes n.sp.: SAUSSURE 1890: pl. 8 (fig. 23).

Priocnemis serripes n.sp.: SAUSSURE 1891: 266 (description ♀, Madagascar without exact locality).

Priocnemis serripes DE SAUSSURE, 1891: SAUSSURE 1892: 369 (key), 370 (taxonomy), 371 (taxonomy), 372 (taxonomy), 377 (taxonomy, description ♂ ♀, no material mentioned), pl. 23 (fig. 17); SCHULZ 1911: 133 (taxonomy, material not mentioned).

Salix serripes (DE SAUSSURE, 1891): DALLA TORRE 1897: 240 (world catalogue); KOHL 1897 (in DALLA TORRE): 240 (taxonomy).

Material: Prov. Antananarivo, Tsinjoarivo, 1 ♀, 22.X.2001, leg. M. Madl.

Distribution: Prov. Antananarivo: Tsinjoarivo; Madagascar without exact locality (SAUSSURE 1891, 1892). – Endemic to Madagascar.

Note: Wahis (identification label) transferred *Priocnemis serripes* to the new genus *Malgacnemis*, which is still undescribed.

Subfamily Pompilinae

***Agenioideus* sp. 1 (*berentyensis* Wahis, unpublished)**

Material: Prov. Toliara, at road from Toliara to Morombe, Km 32 (“site of biological interest”), 1 ♀, 21–23.V.1997, leg. M. Madl.

***Agenioideus* sp. 2 (*concinus* Wahis, unpublished)**

Material: Prov. Mahajanga, environment of Katsepy, 3 ♂♂, 17–28.XII.1993, leg. M. Madl; Prov. Antananarivo, Ivato, 1 ♀, 3.XII.1994, leg. M. Madl; Prov. Toliara: Sarondrano, 1 ♂, 26.V.1998, leg. M. Madl.

Note: Wahis labelled only the male from Sarondrano as a paratype.

***Anoplius lemur* (DE DALLA TORRE, 1897)**

Pompilus lemur n.nom.: DALLA TORRE 1897: 298 (replacement name for *Pompilus fallax* DE SAUSSURE, 1890 within the genus *Pompilus* FABRICIUS, 1798, world catalogue).

Anoplius lemur (DE DALLA TORRE, 1897): MADL 2016: 1335 (Nosy Boraha).

Pompilus fallax n.sp.: SAUSSURE 1890: pl. 8 (figs. 18, 18a).

Pompilus fallax n.sp.: SAUSSURE 1891: 265 (description ♀, Madagascar without exact locality).

Pompilus fallax DE SAUSSURE, 1891: SAUSSURE 1892: 355 (key), 356 (taxonomy), 357 (taxonomy), 359 (taxonomy, description ♂ ♀, surroundings Antananarivo (leg. F. Sikora)).

Psammochares fallax (DE SAUSSURE, 1891): BANKS 1941: 358 (taxonomy, Fanovana, Ifanadiana).

Material: Prov. Antananarivo, Ivato, 1 ♂, 7–10.I.1994, leg. M. Madl.

Distribution: Prov. Antananarivo: surroundings of Antananarivo, Ivato; Prov. Toamasina: Fanovana, Nosy Boraha; Prov. Fianarantsoa: Ifanadiana. – *Anoplius lemur* is also known from the Afrotropical region.

Note: *Anoplius fallax* (DE SAUSSURE, 1890) is a junior secondary homonym of *Anoplius fallax* LEPELETIER DE SAINT-FARGEAU, 1845.

***Anoplius panmelas* (DE SAUSSURE, 1891)**

Pompilus panmelas n.sp.: SAUSSURE 1891: 265 (description ♀, Madagascar without exact locality).

Pompilus panmelas DE SAUSSURE, 1891: SAUSSURE 1892: 355 (key), 356 (taxonomy), 357 (taxonomy, description ♀, Imerina without exact locality (leg. P. Camboué)), pl. 25 (fig. 12).

Pompilus panmelas DE SAUSSURE, 1891: DALLA TORRE 1897: 308 (world catalogue).

Anoplius panmelas (DE SAUSSURE, 1891): BANKS 1941: 358 (taxonomy, Fanovana).

Material: Prov. Antananarivo, Tsinjoarivo, 1 ♀, 22.X.2001, leg. M. Madl.

Distribution: Prov. Antananarivo: Tsinjoarivo, Imerina without exact locality (SAUSSURE 1892); Prov. Toamasina: Fanovana. – Endemic to Madagascar.

***Batozonellus madecassus* (DE SAUSSURE, 1887)**

Cyphononyx (*Heteronyx*) *madecassus* n.sp.: SAUSSURE 1887: 3 (typus subgeneris, description ♀, Madagascar without exact locality).

Heteronyx madecassus (DE SAUSSURE, 1887): SAUSSURE 1890: pl. 9 (figs. 29, 29a); SAUSSURE 1892: 343 (key to *Agenia* species), 387 (taxonomy, description ♀, Nosibé = Anosibe (without collector, possibly F. Sikora), Madagascar without exact locality (Grandidier Collection)).

Pompilus madecassus (DE SAUSSURE, 1887): DALLA TORRE 1897: 299 (world catalogue).

Batozonus madecassus (DE SAUSSURE, 1887): HAUPT 1929: 180 (taxonomy).

Batozonellus (!) *madecassus* (DE SAUSSURE, 1887): BANKS 1941: 356 (taxonomy, Fianarantsoa, Mandritsara, Maromandia).

Heteronyx madecassus DE SAUSSURE, 1887: PATE 1946: 90 (catalogue generotypes).

Agenia marginipennis n.sp.: SAUSSURE 1890: pls. 6 (fig. 15a), 7 (fig. 15 ♀).

Agenia marginipennis n.sp.: SAUSSURE 1891: 265 (description ♀, Madagascar without exact locality).

Agencia marginipennis DE SAUSSURE, 1891: SAUSSURE 1892: 387 (synonym).
Pompilus (Agencia) marginipennis (DE SAUSSURE, 1891): KOHL 1906: 268 (taxonomy).
Pompilus marginipennis (DE SAUSSURE, 1891): KOHL 1909: 377 (Tamatave = Toamasina).
Cyphononyx (Schistonyx) decorata n.sp.: SAUSSURE 1891: 268 (description ♂, Madagascar without exact locality).
Schistonyx decoratus (!) (DE SAUSSURE, 1891): SAUSSURE 1892: 391 (key), 397 (taxonomy, description ♂, surroundings Antananarivo (leg. F. Sikora)), pl. 23 (figs. 21, 21a, b).
Pompilus (Episyron) decoratus (DE SAUSSURE, 1891): KOHL 1906: 269 (taxonomy).
Pompilus decoratus (DE SAUSSURE, 1891): KOHL 1909: 377 (taxonomy, Tamatave = Toamasina).
Cyphononyx decoratus (DE SAUSSURE, 1891): HAUPT 1929: 180 (synonym).
Pompilus decoratissimus nom.n.: DALLA TORRE 1897: 284 (replacement name for *Cyphononyx decorata* DE SAUSSURE, 1891 within the genus *Pompilus* FABRICIUS, 1798, world catalogue).
Material: Prov. Mahajanga, Katsepy, 1 ♂, 1 ♀, 30.V.–3.VI.1995, leg. M. Madl; Prov. Antananarivo, Ivato, 1 ♀, 7–10.I.1994, leg. M. Madl; Prov. Toliara, at road from Toliara to Sakaraha, river valley, 8 km before Sakaraha, 1 ♀, 15–18.V.1997, leg. M. Madl.
Distribution: Prov. Mahajanga: Katsepy, Maromandia; Prov. Antananarivo: Antananarivo, Ivato; Prov. Toamasina: Mandritsara, Toamasina; Prov. Fianarantsoa: Fianarantsoa; Prov. Toliara: Sakaraha; Madagascar without exact locality (SAUSSURE 1887, 1891 partim, 1892). – Endemic to Madagascar.
Note: As *Cyphononyx decorata* DE SAUSSURE, 1891 and *Pompilus decoratus* SMITH, 1879 currently belong to different genera, *Pompilus decoratissimus* DE DALLA TORRE, 1897 falls in synonymy of the former.

***Episyron gryps* (DE SAUSSURE, 1892)**

Schistonyx gryps n.sp.: SAUSSURE 1892: 390 (key), 391 (taxonomy), 393 (description ♀, surroundings Antananarivo (2 ♀♀ without collector)), pl. 25 (figs. 15, 15l-n).
Pompilus gryps (DE SAUSSURE, 1892): DALLA TORRE 1897: 293 (taxonomy, world catalogue).
Pompilus (Episyron) gryps (DE SAUSSURE, 1892): SCHULZ 1911: 129 (taxonomy, description ♂, Andrangoloaka, Anosibe, further localities are not mentioned (examined 1 ♂ 7 ♀♀), 208 (taxonomy).
Episyron gryps (DE SAUSSURE, 1892): HAUPT 1929: 179 (taxonomy); BANKS 1941: 357 (taxonomy, description ♂ ♀, Maromandia, Moramanga).
Material: Prov. Fianarantsoa, at road from Ifanadiana to Fort Carnot, 27 km S Ifanadiana, 1 ♀, 27.X.2001, leg. M. Madl.

Distribution: Prov. Mahajanga: Maromandia; Prov. Antananarivo: Andrangoloaka, Anosibe, Moramanga; Prov. Fianarantsoa: 27 km S Ifanadiana. – Endemic to Madagascar.

***Episyron hirundo* (DE SAUSSURE, 1892)**

Homonotus hirundo n.sp.: SAUSSURE 1892: 330 (key), 331 (description ♂, surroundings Antananarivo (without collector)), pl. 24 (figs. 4, 4a).
Pompilus hirundo (DE SAUSSURE, 1892): DALLA TORRE 1897: 294 (taxonomy, world catalogue).
Pompilus (Episyron) hirundo (DE SAUSSURE, 1892): SCHULZ 1911: 130 (taxonomy, Andrangoloaka (type)), 208 (taxonomy).
Material: Prov. Toliara, Sarondrano, 3 ♂♂, 26.V.1998, leg. M. Madl.

Distribution: Prov. Antananarivo: Andrangoloaka – Prov. Toliara: Sarondrano. – Endemic to Madagascar.

***Episyron* sp. (*wasbaueri* Wahis, unpublished)**

Material: Prov. Toliara, at road from Toliara to Sakaraha, river valley 8 km before Sakaraha, 3 ♂♂, 15–18.V.1997, leg. M. Madl.

***Ferreola saussurei* (BANKS, 1940)**

Platyderes saussurei n.sp.: BANKS 1941: 353 (description ♀, Fanovana, Moramanga).

Ferreola saussurei (BANKS, 1941): WAHIS 2000a: 54 (key), 55 (figs. 5, 8, 10, 12), 56 (figs. 13, 18), 57 (key), 60 (taxonomy, description ♀ ♂, biology, Ambohitantely, Ranomafana National Park (7 km W Ranomafana), Andriba, Anosibe, Antanandava (Station Agricole Bas Mangoky), Antanimora, Berenty Private Reserve, Beroboka, Bevilany, Fito, Ifaty, Ihosy, 40 km W Ihosy, Isalo National Park, Maevatanana (Foret d'Ambre), Manakambahiny Est, Moramanga (type), 25 km W Morarano-Chrome, Perinet = Andasibe, Rogez = Andekaleka, Tampina, Sainte Marie = Nosy Boraha), 62 (map 5).

Material: Prov. Toliara, Sarondrano, 1 ♀, 26.V.1998, leg. M. Madl.

Distribution: Prov. Mahajanga: Maevatanana (Foret d'Ambre); Prov. Antananarivo: Ambohitantely; Prov. Toamasina: Andasibe (Perinet), Andekaleka (Rogez), Andriba, Anosibe, Fanovana, Fito, Manakambahiny Est, Moramanga, 25 km W Morarano-Chrome, Tampina, Nosy Boraha; Prov. Fianarantsoa: Ihosy, 40 km W Ihosy, Isalo National Park, Ranomafana National Park (7 km W Ranomafana (1100 m)); Prov. Toliara: Antanandava (Station Agricole Bas Mangoky), Antanimora, Bekily, Bereboka, Berenty Private Reserve, Bevilany, Ifaty, Sarondrano. – Endemic to Madagascar.

***Homonotus albistylus* (DE SAUSSURE, 1892)**

Salix (*Hemisalix*) *albistylus* n.sp.: SAUSSURE 1892: 313 (key, typus subgeneris by monotypy), 314 (taxonomy), 315 (taxonomy, description ♂ – not ♀, surroundings Antananarivo (2 ♀♀ = ♂♂ leg. F. Sikora)), pl. 25 (figs. 9, 9a, b).

Pompilus albistylus (DE SAUSSURE, 1892): DALLA TORRE 1897: 271 (taxonomy, world catalogue).

Homonotus albistylus (DE SAUSSURE, 1892): SCHULZ 1911: 131 (taxonomy, description ♀, Madagascar without further data), 208 (taxonomy); YASUMATSU 1932: 297 (world catalogue); WAHIS 2000a: 68 (key, fig. 21), 69 (taxonomy, lectotype designation, description ♀ ♂, biology, Ambatolampy, Ambohitantely, Antananarivo, 25 km W Antananarivo (golf course), Behara, Bekily, Berenty Private Reserve, La Mandraka, Mailaka, Massif de l'Ankaratra, Perinet = Andasibe, Ranomafana National Park (Ranomafana), Tsivory, Sainte Marie = Nosy Boraha), 72 (map 9); MADL 2016: 1336 (catalogue Nosy Boraha).

Homonotus (*Homonotus*) *albistylus* (DE SAUSSURE, 1892): TURNER 1917: 148 (taxonomy, not examined).

Material: Prov. Toliara, Baie de St. Augustin, Onilahy river, 1 ♀, 3.X.1996, leg. M. Madl.

Distribution: Prov. Antsiranana: Mailaka; Prov. Antananarivo: Ambatolampy, Ambohitantely, surroundings Antananarivo, 25 km W Antananarivo (golf course), La Mandraka, Massif de l'Ankaratra; Prov. Toamasina: Andasibe (Perinet), Nosy Boraha; Prov. Fianarantsoa: Ranomafana National Park (Ranomafana); Prov. Toliara: Baie de St. Augustin, Behara, Bekily, Berenty Private Reserve, Ifaty, Tsivory. – Endemic to Madagascar.

***Microphadnus* sp. (*quadriguttatus* Wahis, unpublished)**

Material: Prov. Toamasina, 25 km W Morarano-Chrome, forest, 1 ♀, I.1992, leg. A. Pauly; Prov. Fianarantsoa, Ifanadiana – Fort Carnot, 27 km S Ifanadiana, 1 ♀, 27.X.2001, leg. M. Madl.

***Paracyphononyx diversus* (DAHLBOM, 1845)**

Material: Prov. Antananarivo, Ankazobe, Tampoketsa, 1 ♂, 18.IX.1983, leg. M. Madl.

Distribution: New to the fauna of Madagascar. *Paracyphononyx diversus* is widely distributed in the Afrotropical region and is also known from the Palearctic region (Yemen).

***Paracyphononyx ellioti* DE SAUSSURE, 1891**

Salix Elliotti n.sp.: SAUSSURE 1891: 263 (description ♂, Madagascar without exact locality).

Salix (Schistosalius) ellioti (!) DE SAUSSURE, 1891: SAUSSURE 1892: 314 (key, taxonomy), 315 (taxonomy), 324 (taxonomy, description ♂ ♀, surroundings Antananarivo (leg. F. Sikora), Madagascar without exact locality (leg. M. Scott Elliot (!)), 356 (key), pl. 23 (figs. 14, 14a–d), pl. 25 (figs. 10, 10n–o).

Pompilus elliotii (!) (DE SAUSSURE, 1891): DALLA TORRE 1897: 286 (taxonomy, world catalogue).

Schiztosalius (!) *elliotii* (!) (DE SAUSSURE, 1891): ASHMEAD 1902: 84 (taxonomy, typus generis).

Schistosalius ellioti (DE SAUSSURE, 1891): SCHULZ 1911: 130 (taxonomy, several ♂♂ ♀♀ examined, no localities), 208 (taxonomy).

Salix ellioti (!) DE SAUSSURE, 1891: SCHULTHESS 1919: 49 (Antananarivo).

Paracyphononyx ellioti (!) (DE SAUSSURE, 1891): HAUPT 1929: 167 (key ♀), 168 (key ♂), 170 (taxonomy, catalogue Afrotropical region).

Paracyphononyx ellioti (DE SAUSSURE, 1891): BANKS 1941: 355 (taxonomy, Fianarantsoa); NILSSON et al. 1986: 416 (tab. 2: biology, Foulpointe = Mahavelona).

Homonotus nukulipes n.sp.: SAUSSURE 1891: 263 (description ♂, Madagascar without exact locality).

Homonotus nukulipes DE SAUSSURE, 1891: SAUSSURE 1892: 324 (synonym).

Material: Prov. Toliara, at road from Toliara to Sakaraha, river valley 8 km before Sakaraha, 2 ♀♀, 15–18.V.1997, leg. M. Madl.

Distribution: Prov. Antananarivo: surroundings Antananarivo; Prov. Toamasina: Mahavelona (Foulpointe); Prov. Fianarantsoa: Fianarantsoa; Prov. Toliara: Sakaraha; Madagascar without exact locality (SAUSSURE 1892). – Endemic to Madagascar.

***Paracyphononyx petiolaris* (DE SAUSSURE, 1891)**

Salix petiolaris n.sp.: SAUSSURE 1891: 263 (description ♀, Madagascar without exact locality).

Salix (Schistosalius) petiolaris DE SAUSSURE, 1891: SAUSSURE 1892: 314 (key, taxonomy), 315 (taxonomy), 327 (taxonomy, description ♀, surroundings Antananarivo (de Saussure Collection)), pl. 23 (fig. 15).

Pompilus petiolaris (DE SAUSSURE, 1891): DALLA TORRE 1897: 310 (taxonomy, world catalogue).

Salix petiolaris DE SAUSSURE, 1891: ENDERLEIN 1901: 151 (synonym of *Pompilus ibex*).

Schistosalius petiolaris (DE SAUSSURE, 1891): SCHULZ 1911: 130 (taxonomy, only one ♀ type, no localities), 208 (taxonomy).

Homonotus petiolaris (DE SAUSSURE, 1891): BISCHOFF 1913: 58 (taxonomy, Madagascar without exact locality).

Paracyphononyx petiolaris (DE SAUSSURE, 1891): HAUPT 1929: 167 (key ♀), 169 (key ♂), 171 (taxonomy, catalogue Afrotropical region); ARNOLD 1936: 435 (taxonomy); BANKS 1941: 355 (taxonomy, Fanovana, Fianarantsoa, Moramanga); MADL 2016: 1337 (Nosy Boraha).

Homonotus ibex n.sp.: SAUSSURE 1891: 264 (description ♂, Madagascar without exact locality).

Homonotus ibex DE SAUSSURE, 1891: SAUSSURE 1892: 330 (key), 332 (taxonomy, description ♂, surroundings Antananarivo (de Saussure Collection)), 356 (key), pl. 23 (fig. 16); FRIESE 1900: 266 (Nosy Be); HAUPT 1929: 171 (synonym).

Pompilus ibex (DE SAUSSURE, 1891): DALLA TORRE 1897: 294 (taxonomy, world catalogue); ENDERLEIN 1901: 151 (taxonomy, Madagascar without exact localities).

Schistosalius ibex (DE SAUSSURE, 1891): SCHULZ 1911: 130 (taxonomy, several ♂♂ ♀♀ examined, no localities mentioned), 208 (taxonomy).

Material: Prov. Toliara, at road from Toliara to Sakaraha, river valley 8 km before Sakaraha, 3 ♂♂, 15–18.V.1997, 2 ♂♂, 22–25.V.1998, leg. M. Madl; Prov. Toliara, Sarondrano, 1 ♂, 26.V.1998, leg. M. Madl.

Distribution: Prov. Antsiranana: Nosy Be; Prov. Antananarivo: surroundings Antananarivo; Prov. Toamasina: Fanovana, Moramanga; Prov. Fianarantsoa: Fianarantsoa; Prov. Toliara: Sakaraha, Sarondrano; Madagascar without exact locality (ENDERLEIN 1911). – Endemic to Madagascar.

***Paracyphononyx* sp. (*leucospilus* Wahis, unpublished)**

Material: Prov. Toliara, at road from Toliara to Sakaraha, 14 km after Andranovory, 1 ♂, 22.X.1996, leg. M. Madl.

***Schistonyx* sp. 1 (*hirsutissimus* Wahis, unpublished)**

Material: Prov. Toliara, at road from Toliara to Morombe, Km 32 (“site of biological interest”), 1 ♀, 21–23.V.1997, leg. M. Madl.

***Schistonyx* sp. 2 (*ninifer* Wahis, unpublished)**

Material: Prov. Toliara, Sarondrano, 1 ♂, 1 ♀, 26.V.1998, leg. M. Madl; Prov. Toliara, at road from Toliara to Sakaraha, river valley 8 km before Sakaraha, 2 ♂♂, 15–18.V.1997, leg. M. Madl.

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