

**Notes on Hymenoptera of Agalega (Republic of Mauritius), with a supplement to Parnaudeau & Madl (2009): Liste des Hyménoptères des îlots coralliens français et mauricien de l'océan Indien occidental**

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**I. Notes on Hymenoptera of Agalega**

Knowledge of the Hymenoptera of Agalega is mainly based on Mamet (1978). Further contributions have been made by Mamet & Webb-Gebert (1980) and Parnaudeau & Madl (2009). Hitherto 15 species have been recorded from Agalega (Parnaudeau & Madl 2009).

Insects from various parts of the world are on display at the Insectarium of the “La Vanille Réserve des Mascareignes” at Rivière des Anguilles (Mauritius), but the focus is on the fauna of the Malagasy subregion, with particular reference to the Republic of Mauritius. In the show room is a large box containing insects, scorpions and spiders from Agalega arranged by their distribution on the North Island and South Island. The insects are represented by following orders (alphabetically): Blattodea, Coleoptera, Dermaptera, Diptera, Hemiptera, Hymenoptera, Lepidoptera, Mantodea, Neuroptera, Odonata, Orthoptera. The material was collected by O. Griffiths and J.M.P. Siedlecki on 10<sup>th</sup> and 11<sup>th</sup> April 2006. Unfortunately it is not possible to study the specimens, because the display case is sealed.

The box contains following species of Hymenoptera: *Xylocopa fenestrata* (Fabricius, 1798) (Apidae, Xylocopinae), *Polistes olivaceus* (DeGeer, 1773) (Vespidae, Polistinae), *Ampulex compressa* (Fabricius, 1781) (Ampulicidae), *Chalybion bengalense* (Dahlbom, 1845) (Sphecidae), *Sceliphron madraspatanum* (Fabricius, 1781) (Sphecidae) and two unidentified species of Ichneumonidae from South Island (Fig. 1) and *Xylocopa fenestrata* and *Polistes olivaceus* from North Island. All species except *Ampulex compressa* are first records for Agalega increasing the number of species to 21.

**II. Supplement to Parnaudeau & Madl (2009): Liste des Hyménoptères des îlots coralliens français et mauricien de l'océan Indien occidental.**

Platygastridae

Unfortunately the file “Famille Platygastridae” was lost during electronic transmission to R. Parnaudeau. This fact was overlooked by the author during proof reading. The additional catalogue is in French with the abbreviations used in Parnaudeau & Madl (2009: 454).

Famille **Platygastridae**

Sous-Famille **Platygastrinae**

### ***Leptacis insularis* Masner, 1960**

*Leptacis (Leptacis) insularis* n.sp.: Masner 1960: 2 (cat.), 6 (tax.), 12 (clé), 23 (descr., Glorieuses).

*Leptacis insularis* Masner, 1960: Vlug 1995: 36 (cat.).

Distribution: Glorieuses. Endémique.

### Formicidae

Currently *Paratrechina bourbonica* (Forel, 1886) belongs to the genus *Nylanderia* Emery, 1906 (LaPolla *et al.* 2010: 127).

A revision of the ant genus *Pheidole* Westwood, 1839 (Myrmicinae) from the Malagasy subregion excluding Madagascar was published by Fischer & Fisher (2013). They synonymized *Pheidole picata* Forel, 1891 with *Pheidole megacephala* (Fabricius, 1793) (p. 332) and recorded following species from Juan de Nova.

### ***Pheidole decepticon* Fischer & Fisher, 2013**

*Pheidole decepticon* sp.n.: Fischer & Fisher 2013: 304 (tabl. 1: distr.), 307 (cat.), 308 (fig. 2C), 310 (clé, figs. 7A,B), 316 (descr., Juan de Nova), 317 (figs. 15A-F).

Distribution: Juan de Nova. Présente aux Seychelles (Cosmoledo), aux Comores (Anjouan) et à Mayotte.

### Vespidae

The valid name of *Eumenes alluaudi* is *Delta alluaudi* (Perez, 1895).

### **Acknowledgements**

I am indebted to O. Griffiths, owner of the “La Vanille Réserve des Mascareignes” (Rivière des Anguilles, Mauritius), for his hospitality and support of my study on the Hymenoptera of Mauritius and Rodrigues. Many thanks to J.M.P. Siedlecki, curator of the Insectarium, for providing information on the insects of Agalega.

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**Figure 1:** Hymenoptera from Agalega, South Island. 1: *Xylocopa fenestrata*; 2: *Polistes olivaceus* (two specimens); 3: *Ampulex compressa*; 4: *Chalybion bengalense*; 5: *Sceliphron madraspatanum*; 6: unidentified Ichneumonidae; 7: unidentified Ichneumonidae.



**Table 1:** Updated checklist of the Hymenoptera from Agalega.

<b>Family</b>	<b>Subfamily</b>	<b>Species and subspecies</b>
Braconidae	Agathidinae	<i>Disophrys lutea</i> (Brullé, 1846)
Ichneumonidae	unknown	two unidentified species
Formicidae	Dolichoderinae	<i>Technomyrmex albipes</i> (Smith, 1861)
		<i>Anoplolepis gracilipes</i> (Smith, 1857)
	Formicinae	<i>Brachymyrmex cordemoyi</i> Forel, 1895
		<i>Paratrechina bourbonica</i> (Forel, 1896)
		<i>Paratrechina longicornis</i> (Latreille, 1802)
		<i>Cardiocondyla emeryi</i> Forel, 1881
		<i>Monomorium floricola</i> (Jerdon, 1851)
		<i>Monomorium pharaonis</i> (Linnaeus, 1758)
		<i>Pheidole megacephala</i> (Fabricius, 1793)
		<i>Delta alluaudi</i> (Perez, 1895)
Vespidae	Eumeninae	<i>Euodynerus trilobus</i> (Fabricius, 1787)
		<i>Polistes olivaceus</i> (DeGeer, 1773)
	Polistinae	<i>Apis mellifera unicolor</i> Latreille, 1802
Apidae	Apinae	<i>Xylocopa fenestrata</i> (Fabricius, 1798)
	Xylocopinae	<i>Chalicodoma disjunctum</i> (Fabricius, 1781)
Megachilidae	Megachilinae	<i>Ampulex compressa</i> (Fabricius, 1781)
Ampulicidae		<i>Chalybion bengalense</i> (Dahlbom, 1845)
Sphecidae		<i>Sceliphron madraspatanum</i> (Fabricius, 1781)