



## A new monotypic genus of ant-mimicking Coraebini (Coleoptera: Buprestidae: Agrilinae) from Madagascar<sup>1</sup>

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Following the itemization of the described Madagascan Coraebini (Buprestidae: Agrilinae) (Bellamy 2001a), additional new genera and species of this large fauna have been described (Bellamy 2001b, 2003, 2006). After a preliminary study of the perceived ant-mimicking species I have accumulated in loans from, and during previous visits to, the vast collection of this fauna held by the Muséum national d'Histoire naturelle, Paris, a new monotypic myrmecomorphic genus and species is described. All other putative ant-mimicking species amongst previously described and currently available specimens belong to the genus *Entomogaster* Saunders, 1871. The new genus is described now for the one new species found to not be congeneric with *Entomogaster*. In deference to the classification for the tribe Coraebini Bedel, 1921 presented by Kubáň, *et al.* (2001), the genus-group taxon described herein is provisionally placed in the subtribe Toxoscelina Majer, *in* Kubáň, *et al.*, 2001.

Mimicry of ants by beetles is found in various beetle families, beyond those that bear at least a superficial structural resemblance (e.g. Anthicidae, Histeridae, Scydmaenidae, Staphylinidae), and has been discussed specifically and/or recently in: Buprestidae, the genus *Agrilus* Curtis, 1825 (Hespenheide 1986, 1990); Carabidae: *Ega formicaria* (Laporte, 1834), *Ctenostoma formicarium* (Fabricius, 1801); Cerambycidae, general (Linsley 1959), the genus *Euderces* Leconte, 1850 (Giesbert & Chemsak 1997); and Cleridae, general (Mawdsley, 1994), the Neotropical genus *Aphelocerus* Kirsch, 1870 (Opitz 2005), the Neotropical genus *Enoclerus* Gahan, 1910 (Rifkind 1996, 1997a, 1997b) and the Madagascan genus *Myrmecomea* Fairmaire, 1886 (Menier 1995).

The abbreviations used in the text are: MNHN = Muséum national d'Histoire naturelle, Paris, France; NMPC = National Museum, Prague, Czech Republic; and CLBC = my research collection. Due to the limited locality data on the specimen labels, a tabular index (Table 2) has been created using greater detail available from the work of Viette (1991) and that found at the GEOnet Names Server (GNS), U.S. National Imagery and Mapping Agency (<http://earth-info.nga.mil/gns/html/index.html>, accessed 7 May 2008).

### Subfamily Agrilinae Laporte, 1835

### Tribe Coraebini Bedel, 1921

### Subtribe Toxoscelina Majer, *in* Kubáň, *et al.*, 2001

### *Madecorformica*, gen. nov.

Type species: *Madecorformica silhouetta*, sp. nov. (present designation).

**Description.** Myrmecomorphic; small, elongate-ovoid, subcylindrical; head with frontovertex broad, depressed between eyes; eyes large, inner margins diverging dorsally; circumocular groove along inner margin extending more than half of eye circumference; supra-antennal groove above large antennal cavities; antennal cavities narrowly separated; clypeal margin emarginate; gena with shallow transverse depression for receiving basal antennomeres in repose; distal margin of gena broadly rounded; antennae serrate from antennomere 5; pronotum slightly wider than long, wider in anterior half, narrowing to posterior margin; anterior margin feebly convex; posterior margin bisinuate on either side; disc transversely convex on anterior half, otherwise flattened posteriorly, laterally; lateral margin entire; one premarginal carina on either side; scutellum cordiform; elytra much wider than pronotal posterior margin; humeri strongly elevated; lateral margin biarcuate, narrowing medially, apices separately rounded; disc transversely convex; epipleuron entire, widest, with margin subparallel to elytral margin, in anterior half; pygidium not visible beyond elytra, with apical margin entire; proven-

1. Seventh contribution to the knowledge of Madagascar Buprestidae