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NEW RECORDS OF DRYINIDAE FROM SICILY
(Hymenoptera Chrysidoidea)

SUMMARY

Two species of Dryinidae, *Gonatopus distinctus* Kieffer, 1906 and *Gonatopus plumbeus* Olmi, 1984, are newly recorded from Sicily. The former species is also new to Italy.

RIASSUNTO

Nuove segnalazioni di Dryinidae per la Sicilia (Hymenoptera Chrysidoidea). Due specie di Dryinidae, *Gonatopus distinctus* Kieffer, 1906 e *Gonatopus plumbeus* Olmi, 1984, vengono segnalate per la prima volta in Sicilia. La prima di queste risulta nuova anche per l'Italia.

INTRODUCTION

Dryinidae is a medium-sized cosmopolitan group of Hymenoptera Aculeata which includes more than 1600 species comprised within 12 sub-families and 45 genera (OLMI, 1984, 1991, 1994, 1999, 2007, 2008; OLM I & BECHLY, 2001). In the Palaearctics, more than 230 species are recorded, mostly of them occurring also in Europe. Dryinids are parasitoids of Hemiptera Cicadomorpha and Fulgoromorpha (GUGLIELMINO & OLM I 1997, 2006, 2007).

The Dryinidae of Italy have been received good attention through series of papers on single species description, summarized mainly in OLM I (1995a, 2005) and especially in the monograph "Fauna d'Italia" by OLM I (1999). As

far as, 69 species are known from Italy (OLMI, 1999, 2005). Despite a large amount of contributions, the Italian distribution of most part of species still remains unsatisfactory, especially for Southern regions and Islands.

The Sicilian dryinid-fauna has not been object of specific and organic investigations; only a few scattered papers have been published so far (e.g. OLMI, 1995b, 1999) thus, many more species are reasonably present in the Island rather than the number of 11 actually known.

The study of two specimens recently collected in Sicily, resulted in the discovery of two interesting species never recorded for the Island, one of which is also new to Italy.

MATERIAL AND METHODS

The material has been recently collected in the Eastern Sicily: Etna volcano; and Mounts Erei. The specimens were collected in the field, in their natural habitat, but no information have been obtained on the biology. The specimens were mounted on a paper card with the legs extended, especially the fore legs, in order to permit the examination of the chelate protarsus.

The material was identified by M. Olmi and is preserved in the personal collection of G.F. Turrisi. Previous distributional records of the treated species were taken from OLMI (1984, 1994, 1995a, 1999), whereas information on the biology derives from GUGLIELMINO & OLMI (1997, 2006, 2007) and OLMI (1999).

FAUNISTIC REMARKS

Gonatopus distinctus KIEFFER, 1906 (Figs. 1-2)

Gonatopus distinctus KIEFFER, in KIEFFER & MARSHALL, 1906: 509 (locus typicus: New Forest, England).

Material examined. 1♀, Sicily: Mount Etna, province of Catania, Ragalna, loc. Milia, m 1300 a.s.l., 28.VI.2008 (G.F. Turrisi leg.).

Previous distributional records. Widely distributed throughout Palaearctics, known for Kuril Archipelago, Mongolia, European Russia, Ukraine, Georgia, Finland, Sweden, Norway, England, Denmark, France, Belgium, The Netherlands, Germany, Czech Republic, Romania, Switzerland, France, Spain.

Biology. In England univoltine, overwintering inside the cocoon on the feeding plant of the host Homoptera. Parasitoid and predator of several species of Delphacidae.

Remarks. Both sexes have been described. Based on the wide distribu-

Fig. 1 — Habitus of *Gonatopus distinctus* Kieffer (♀ - length: 3.5 mm) (after OLMI, 1994).

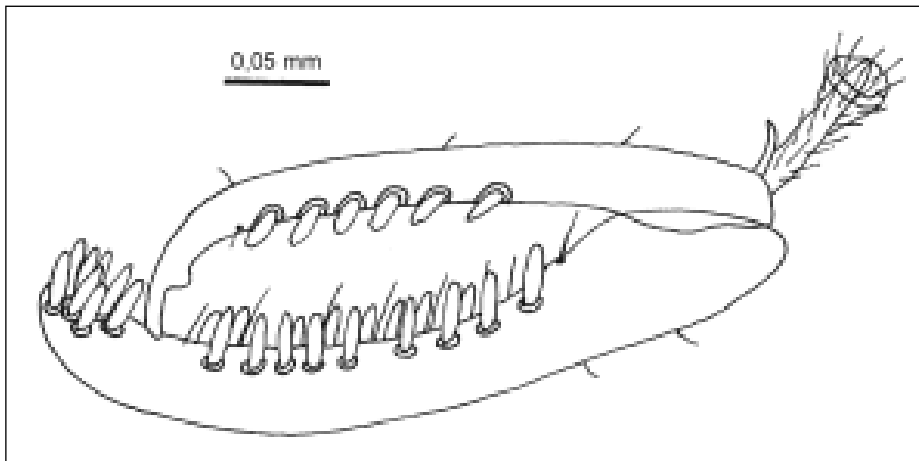
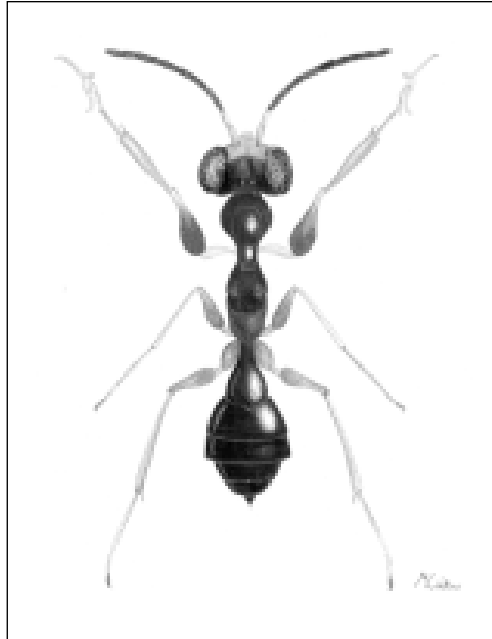


Fig. 2 — Chela of *Gonatopus distinctus* Kieffer ♀ (after OLM I, 1984).

tion of this species, it has been hypothesized its presence in Italy (OLMI, 1999), although no records have been provided so far. Thus, the present is the first record for Sicily and also for Italy.

Gonatopus plumbeus OLMİ, 1984 (Fig. 3)

Gonatopus plumbeus OLMİ, 1984: 1535 (locus typicus: Palmachim, Israel).

Material examined. 1 ♀, Sicily: Mounts Erei, province of Enna, Agira, Nature Reserve Vallone di Piano della Corte, m 500 a.s.l., 5.VIII.2005 (G.F. Turrisi leg.).

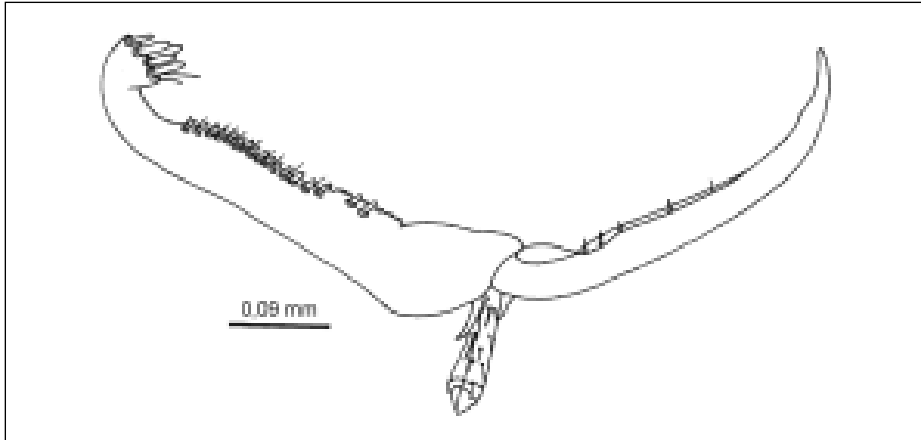


Fig. 3 — Chela of *Gonatopus plumbeus* Olmi ♀ (after OLMİ, 1984).

Previous distributional records. Israel, Rodi Is. (Greece), Italy and Morocco.

Biology. The only known host is *Euscelis lineolatus* BRULLÉ, 1832 (Cicadellidae Deltocephalinae).

Remarks. The male is unknown. This species results new to Sicily. In Italy, it has been previously collected only in Latium (Latina province, Sabaudia).

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