

PTEROMALIDAE (HYMENOPTERA: CHALCIDOIDEA) NEW TO ROMANIA (IV)

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Abstract. The genera *Lamprotatus* Westwood, *Eurydinota* Förster and *Leptomeraporus* Graham, and the species *Cerocephala eccoptogastri* Masi, *C. rufa* (Walker) (Cerocephalinae), *Spalangia nigripes* Curtis (Spalangiinae), *Lamprotatus splendens* Westwood, *Seladerma parviclava* Thomson (Miscogasterinae), *Platygerrhus subglaber* Graham, *Eurydinota leptomera* Förster and *Leptomeraporus nicaee* (Walker) (Pteromalinae) are recorded for the first time in Romania.

Keywords: Hymenoptera, Chalcidoidea, Pteromalidae, genera and species new to Romania.

Rezumat. Pteromalidae (Hymenoptera: Chalcidoidea) noi pentru România (IV). Genurile *Lamprotatus* Westwood, *Eurydinota* Förster și *Leptomeraporus* Graham, precum și speciile *Cerocephala eccoptogastri* Masi, *C. rufa* (Walker) (Cerocephalinae), *Spalangia nigripes* Curtis (Spalangiinae), *Lamprotatus splendens* Westwood, *Seladerma parviclava* Thomson (Miscogasterinae), *Platygerrhus subglaber* Graham, *Eurydinota leptomera* Förster și *Leptomeraporus nicaee* (Walker) (Pteromalinae) sunt citate pentru prima dată în fauna României.

Cuvinte cheie: Hymenoptera, Chalcidoidea, Pteromalidae, genuri și specii noi pentru România.

Introduction

The pteromalids are small parasitic wasps feeding as larvae on the immature stages of other species of insects, many of them phytophagous. Thus, they play an important role in most of the ecosystems, mainly as secondary or tertiary consumers.

Eight species of pteromalids new to Romania are listed in this note. The examined material, as well as general data regarding their geographical distribution and hosts, is presented. More detailed information on these aspects, as well as the synonyms for each species, can be found in Graham (1969) and Noyes (2003).

Material and Methods

The individuals were collected using an entomological net, during a long period of time (1956-2004) from 9 Romanian counties (Bacău, Botoșani, Brașov, Caraș-Severin, Iași, Neamț, Sibiu, Suceava and Tulcea).

Results and Discussion

CEROCEPHALINAE

Cerocephala eccoptogastri Masi

Cerocephala eccoptogastri Masi, 1921. Chalcididae raccolte in Cirenaica dal Dott. V. Zanon. *Annali del Museo Civico di Storia Naturale Giacomo Doria*. Genova. 49: 189.

Material examined: Iași (Iași county): 1♂ 11.VII.1958 (I. Andriescu).

Remarks: *C. eccoptogastri* is a Mediterranean species, spreading north up to Croatia and as the present paper shows, southern Romania. It is a parasitoid of various species of Scolytidae (Coleoptera) (Noyes, 2003).

***Cerocephala rufa* (Walker)**

Epimacrus rufus Walker, 1833. Monographia Chalciditum. (Continued) *Entomological Magazine* **1**(4): 369.

Material examined: C. A. Rosetti (Tulcea county): 1♀ 10.VI.1995 (*I. Andriescu*); Asău (Bacău county): 1♀ 29.XII.2004 (*M.-D. Mitroiu*).

Remarks: The species has a Holarctic distribution, attacking various Anobiidae and Buprestidae (Coleoptera), but also Braconidae (Hymenoptera) (Noyes, 2003). The female collected in 2004 was found indoors, exploring a wooden cupboard.

SPALANGIINAE

***Spalangia nigripes* Curtis**

Spalangia nigripes Curtis, 1839. *British Entomology* **16**: 740, London.

Material examined: Iași (Iași county): 1♀ 8.VIII.1956, 1♀ 7.VIII.1957, 1♀ 27.VI. 1958 (*I. Andriescu*).

Remarks: As many other Spalangiinae, this species has a Holarctic distribution, attacking synanthropic flies from the families Calliphoridae and Muscidae (Noyes, 2003).

MISCOGASTERINAE

***Lamprotatus splendens* Westwood**

Lamprotatus splendens Westwood, 1833. On the probable number of insect species in the creation; together with descriptions of several minute Hymenoptera. *Magazine of Natural History* **6**: 121.

Material examined: Sulinar (Brașov county): 1♀ 5.VIII.1956 (*V. Ciochia*); Fălticeni (Suceava county): 1♂ 26.VIII.2003 (*M.-D. Mitroiu*).

Remarks: This is the first record of the genus *Lamprotatus* in Romania. *L. splendens* is spread from North-Western to Central Europe. Its hosts are various species of Anthomyiidae and Scatophagidae (Diptera) (Noyes, 2003). The male was collected in the canopy of a chemically treated apple-tree orchard.

***Seladerma parviclava* (Thomson)**

Lamprotatus parviclava Thomson, 1876. *Hymenopteren Scandinaviae. Tom. IV. Pteromalus* (Svederus). Lund: **4**: 230.

Material examined: Piatra Craiului National Park (Brașov county) – the hunting chalet: 4♀ 21.VIII.2003 (*I. Popescu*).

Remarks: The species was previously recorded from the North-Western Europe. It is a parasitoid of Agromyzidae (Diptera) (Noyes, 2003).

PTEROMALINAE
TRIGONODERINI

***Platygerrhus subglaber* Graham**

Platygerrhus subglaber Graham, 1969. The Pteromalidae of north-western Europe (Hymenoptera: Chalcidoidea). *Bulletin of the British Museum (Natural History) (Entomology)* **Supplement 16**: 115-116.

Material examined: Valea Mraconiei (Caraș Severin county): 1 ♀ 26.VI.1968 (V. Ciochia).

Remarks: *P. subglaber* was previously recorded from North-Western Europe (Noyes, 2003). Romania is so far the easternmost limit of its geographical distribution. The hosts are unknown, but they are probably species of bark beetles.

PTEROMALINI

***Eurydinota leptomera* Förster**

Eurydinota leptomera Förster, 1878. Kleine monographien parasitischer Hymenopteren. *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande und Westfalens, Bonn* **35**: 43.

Material examined: Brădet (Sibiu county): 1 ♀ 14.VIII.1960 (*K. Fabritius*).

Remarks: This is the first record of the genus *Eurydinota* in Romania. It is spread from Western to Central Europe (Noyes, 2003). The hosts are unknown.

***Leptomeraporus nicaee* (Walker)**

Miscogaster nicaee Walker, 1839. *Monographia Chalciditum* **1**: 197, London.

Material examined: Pângărați (Neamț county): 1 ♀ 21.VI.1957 (*I. Andriescu*); Vlădeni (Iași county): 3 ♂ 29. IV. 2004 (*L. Fusu*); Leorda (Botoșani county): 1 ♂ 1.V.2004 (*O. Popovici*).

Remarks: This is the first record of the genus *Leptomeraporus* in Romania. The species has a Holarctic distribution and its hosts are various gall-maker Cynipidae and Eurytomidae (Hymenoptera), on herbaceous plants (Noyes, 2003). The species has a distinct sexual dimorphism, the males presenting a pattern of smooth dark stripes on their heads (Fig. 1).

Conclusions

Three genera (*Lamprotatus*, *Eurydinota* and *Leptomeraporus*) and eight species of pteromalids are recorded for the first time in Romania: *Cerocephala eccoptogastri*, *C. rufa* (Cerocephalinae), *Spalangia nigripes* (Spalangiinae), *Lamprotatus splendens*, *Seladerma parviclava* (Miscogasterinae), *Platygerrhus subglaber*, *Eurydinota leptomera* and *Leptomeraporus nicaee* (Pteromalinae).

Three species (*Cerocephala rufa*, *Spalangia nigripes* and *Leptomeraporus nicaee*) have a Holarctic distribution, while the rest of the species are recorded from the Palearctics. Out of these, four species are spread from Western to Central Europe (*Lamprotatus splendens*, *Seladerma parviclava*, *Platygerrhus subglaber* and *Eurydinota leptomera*), while one is mainly Mediterranean (*Cerocephala eccoptogastri*).

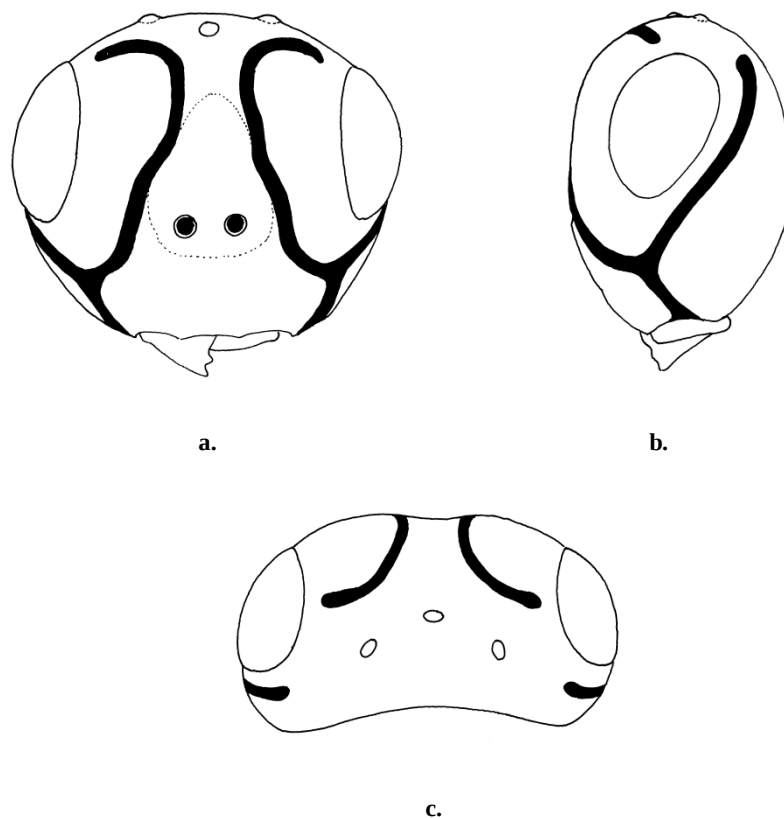


Figure 1. *Leptomeraporus nicaee* Walker, head (♂): a. frontal view; b. lateral view; c. dorsal view.

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References

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