ISSN 1211-8788 *Acta Musei Moraviae, Scientiae biologicae* (Brno)
93: 93–96, 2008

Faunistic records from the Czech Republic (Hymenoptera: Cynipidae, Ibaliidae)

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HOLÝ K. 2008: Faunistic records from the Czech Republic (Hymenoptera: Cynipidae, Ibaliidae). *Acta Musei Moraviae, Scientiae biologicae* (Brno) **93:** 93–96. – Two new species of Cynipoidea, *Ibalia jakowlewi* Jacobson, 1899 (Ibaliidae) for Moravia and *Andricus coriarius* (Hartig, 1843) for Bohemia are reported. A short history of research into the Ibaliidae of the Czech Republic is given.

Key words. *Andricus coriarius*, *Ibalia jakowlewi*, Czech Republic, new records

Introduction

The superfamily Cynipoidea is one of the least-known groups of Hymenoptera in the Czech Republic, although more is known of the gall-producing species than the parasitoids. Information on the occurrence of Cynipidae species is especially available in forestry entomology literature and in the papers published by Baudyš between the years 1914 and 1966 and Bayer 1910–1946; much of it is based mainly on the plant galls rather than the insects responsible for them (MIKULA 1989).

Three species of the genus *Ibalia* are represented in Europe (KIERYCH 1973, LIU & NORDLANDER 1994, RONQUIST & FORSHAGE 2007) and are also known from the Czech Republic (MIKULA 1989, PFEFFER 1983). Ibaliidae are parasitoids on siricid wood wasp larvae and thus follow their host distribution. *I. jakowlewi* Jacobson, 1899 is parasitoid on *Tremex fuscicornis* (Fabricius, 1787), while both *I. leucospoides* (Hochenwarth, 1785) and *I. rufipes* Cresson, 1879 are parasitoids on *Sirex* Linnaeus, 1761, *Urocerus* Geoffroy, 1762 and *Xeris* Costa, 1894 species (LIU & NORDLANDER 1994).

Material and method

The nomenclature follows RONQUIST & FORSHAGE (2007). The works of KIERYCH (1973), NIEVES-ALDREY (1998) and LIU & NORDLANDER (1994) were used for determination.

Faunistic data are listed in the order: country, geographic name of collecting site, code number in parentheses referring to the central European grid for mapping flora and fauna (NOVÁK 1989, PRUNER & MÍKA 1996), date of collection, altitude, number and sex of specimens, and collector.

The specimens of *I. jakowlewi* are deposited in the Moravian Museum, Brno, the gall of *A. coriarius* (Hartig, 1843) is deposited in the author's private collection.

List of species

CYNIPIDAE

***Andricus coriarius* (Hartig, 1843)**

Material examined. Bohemia centr., Horoměřice-Na Skalce (5852), GPS: 50°8'15.03"N; 14°21'16.16"E, 27. iii.2008, 324 m.a.s.l., an empty gall on *Quercus* sp., K. Holý lgt., det. et coll.

Note. Distributed in Central Europe except Poland (Ronquist & Forshage 2007); in the Czech Republic known from Moravia (Mikula 1989). **New species for Bohemia.**

IBALIIDAE

***Ibalia jakowlewi* Jacobson, 1899**

Material examined. Moravia mer., Rohatec (7169), 17.v.1948, 181 m.a.s.l., 1♂, R. Obrtel lgt.; Hodonín (7168), 1.vi.1958, 167 m.a.s.l., 1♀, M. Kocourek lgt.; K. Holý det., coll. Moravian Museum, Brno.

Note. Distributed in Germany, Poland, Russia, Japan, Korea and the former Czechoslovakia (Liu & Nordlander 1994). In the Czech Republic known only from Bohemia (Pfeffer 1983). **New species for Moravia.**

Conclusion

Based on the collection findings, *I. leucospoides* appears more frequent than both *I. jakowlewi* and *I. rufipes*, but the paucity of data precludes evaluation of either frequency or the distribution pattern of Ibaliidae in the Czech Republic.

Acknowledgements

I would like to thank Igor Malenovský (Moravian Museum, Brno) for access to the collections. This work was supported by Ministry of Agriculture grant ref. MZE 0002700603.

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Fig. 1. Gall of *Andricus coriarius* (Hartig)



Fig. 2. *Ibalia jakowlewi* Jacobson