

ARCTIIDAE

Pelosia obtusa (Herrich-Schäffer, 1847)

Vergessener Eintrag: In der Verbreitungskarte bei deFREINA & WITT 1987:622 ist der Balkan bis hinunter nach Mittelgriechenland eingetragen. Konkrete Funde: Umgebung Čižići 14.6.1990 2 Ex, 30.7.1992.

Der Vollständigkeit wegen seien zwei weitere Arten genannt, die neu für die Balkan-Fauna sind und deren Publikation soeben erschienen ist (HABELER 1997.)

Caloptilia acerivorella Kuzn., Malmašuta 27.10.1995 2 Ex HUE det. (neu für Europa !)

Acleris lacordairana (Dup.), Umgebung Punat 20.6.1989; Umgebung Stara Baška 21.9.1987, 21.9.1992.

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Libelloides ottomanus (Germar, 1817) IN THE NORTHWESTERN PART OF THE BALKAN PENINSULA (NEUROPTERA, ASCALAPHIDAE)

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Distribution of *Libelloides ottomanus* (Germar) in the northwestern part of the Balkan Peninsula and some information concerning intestinal content are described.

Neuroptera, Ascalaphidae, *Libelloides ottomanus*, faunistic studies, food, Balkan

DEVETAK, D., *Libelloides ottomanus* (Germar, 1817) u sjeverozapadnom dijelu Balkanskog poluotoka (Neuroptera, Ascalaphidae). Entomol. Croat. (1997) 1998. Vol. 3. Num. 1-2.: 45-48.

Opisana je rasprostranjenost *Libelloides ottomanus* (Germar, 1817) u sjeverozapadnom dijelu Balkanskog poluotoka i istraženi su ostaci hrane u probavnom sustavu.

Neuroptera, Ascalaphidae, *Libelloides ottomanus*, faunističke studije, hrana, Balkan

Introduction

Ascalaphidae or owl-flies comprise about 400 species in ca. 65 genera (NEW, 1989). In Europe, there are 15 species, and, in the northwestern part of the Balkan Peninsula, 3 species in 2 genera are known (ASPÖCK et al, 1980; DEVETAK, 1995).

Libelloides ottomanus (Germar, 1817) is a polycentric Mediterranean ascalaphid species occurring in France, Italy, Croatia, Yugoslavia (Montenegro, Kosovo), Albania, Macedonia, Greece, Bulgaria, and Anatolia (ASPÖCK et al, 1980).

Literature on ascalaphids is mostly biased toward faunistic and taxonomic studies. A monograph on ecology of French *Libelloides* species, including information on *L. ottomanus*, was published by PUISSÉGUR (1967). Gut content with rests of prey animals in adults of *Libelloides coccajus* (Denis et Schiffermüller) was analyzed by STELZL (1991). The larval morphology of *L. ottomanus* was described by PIEPER and WILLMANN (1980).

Distribution of *L. ottomanus* in the NW part of the Balkan Peninsula and some information on gut content are presented in this paper.

Material and methods

The distribution is based on material in the Natural History Museum, Zagreb (coll. Mus ZG), Natural History Museum, Ljubljana (coll. Mus LJ) and the author's collection.



Fig. 1. A female of *Libelloides ottomanus* (Germar, 1817)

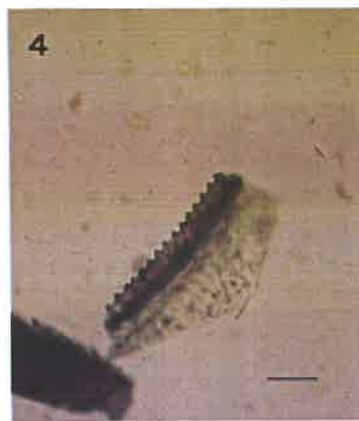
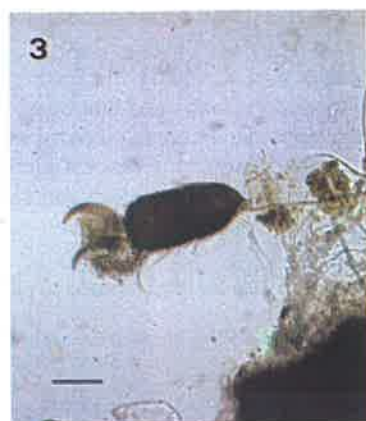


Fig. 2-4. Food remains found in digestive tract of *L. ottomanus*. Bar 100 μ m.
Fig. 2. A coleopteran leg fragment.
Fig. 3. A dipteran tarsus.

Adults (3 females) preserved in 70% alcohol were dissected and the digestive tract isolated. The masticated food remains suspended in alcohol were mounted on glass slides and examined microscopically.

Results and discussion

1. Distribution in the northwestern part of the Balkan Peninsula

1.1. Literature records:

Croatia: Frauenfeld (1856): Makarska, Split; Stein (1863): Split; Novak (1891): Hvar; Galvagni (1902): Komiža; Táboršky (1936): Zadar; Devetak (1992): Jablanac, Krk, Lošinj, Pag.

Montenegro: Táboršky (1936); Van der Weele (1908).

Macedonia: Pieper and Willmann (1980): Titov Veles (12 km N).

Albania: Capra (1945): Burellë; Zeleny (1964): Vlora: Borshi, Mali i Çorajt.

1.2. Material examined:

Croatia:

Jablanac, 4. 6. 1914 (coll. Mus ZG); Krk, 6. 1975; Krk: Bašćanska Draga, Nova Baška, 8. 6. 1995, leg. M. Bedjanić; Krk: Voz-Omišalj, 8. 6. 1938, leg. J. Staudacher (coll. Mus LJ); Lošinj: Čunski, 7.7.1974, leg. & coll. P. Tonkli; Pag: Časka (Caska), 25. 6. 1956, 7. 1960 (coll. Mus ZG); Pag: Kolansko Blato, 11. 6. 1958 (coll. Mus ZG); Pag: Zaglav, 26. 6. 1956 (coll. Mus ZG).

Yugoslavia: Kosovo:

Kopaonik: Košutovački potok, 28. 5. 1985, 22. 6. 1986, leg. P. Jakšić.

Macedonia:

Dojransko jezero: Dojran, 12. 5. 1984, leg. P. Jakšić; Katlanovo, 17. 5. 1984, leg. P. Jakšić; Pletvar, 8. 7. 1984, leg. P. Jakšić.

2. Food remains

Intestinal content of 3 females originating from the island of Krk were examined. Only in few cases, it was possible to identify arthropod fragments, but in most cases one can only speculate on the origin of these food remains. The following structures were recorded: compound eyes, antennal and leg segments, cuticular plates with bristles, and pars stridens of a stridulating insect (Figs. 2-4). Some leg fragments belonged to Coleoptera and Diptera. These fragments indicate which insects are the prey of *L. ottomanus*. One can conclude that the prey animals of *L. ottomanus* are very similar to those of *Libelloides coccajus* (Stelzl, 1991) and *Palpares libelluloides* (DEVETAK, 1996).

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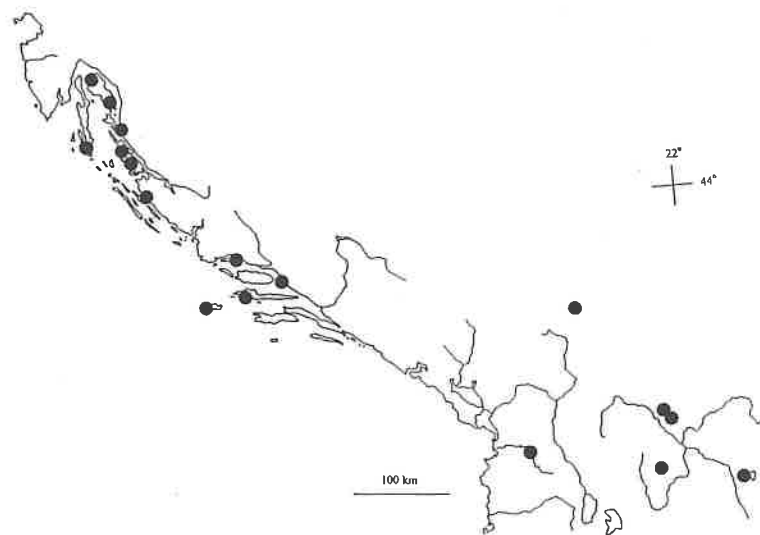


Fig. 5. Collecting sites of *Libelloides ottomanus* in the northwestern part of the Balkan Peninsula

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GRAĐA ZA ENTOMOLOŠKU BIBLIOGRAFIJU HRVATSKE 1990. - 1993.

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Entomologija, bibliografije, Hrvatska.

Milošević, B., 1997. Materials for the entomological Bibliography of Croatia 1990 - 1993. Entomol. Croat. (1997) 1998. Vol. 3. Num. 1-2: 49-66.

Data are given on 267 bibliographic units by 161 authors and co-authors on general and applied entomology (s. l.), not including medical and veterinary entomology. The authors are Croatian entomologists and biologists and foreign specialists who published papers relevant to the Croatian entomofauna. This paper is the first contribution within the Croatian Entomological Society's Project of completing Bibliography of Scientific and Popular Scientific papers. Articles from newspapers are not included. The index of journals is added. Also added are the references of articles by various authors, containing numerous relevant bibliographical data prior to 1990.

Entomology, bibliographies, Croatia.

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