



## NEW RECORDS FOR THE NEUROPTEROID FAUNA OF SLOVENIA (RAPHIDIOPTERA, NEUROPTERA)

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**Abstract** – The records are given for 16 rare neuropteroid spp., 9 of which are new to the fauna of Slovenia. The village of Osp represents the northernmost known locality of *Mantispa aphavexelte* U. Asp. & H. Asp. in Europe.

**Izvleček** – Novi podatki o favni mrežekrilcev Slovenije (Raphidioptera, Neuroptera)

Navedeni so podatki za 16 redkih vrst mrežekrilcev, od katerih je 9 novih za favno Slovenije. Osp je najsevernejše najdišče za vrsto *Mantispa aphavexelte* U. Asp. & H. Asp. v Evropi.

### Introduction

Since the last publications on neuropteroid distribution in Slovenia (DEVETAK, 1984a, 1984b; MONSERRAT, 1991) some new species were brought on record (DEVETAK, 1992) and more information on the distribution of rare species has become available. Data on the wider distribution of the listed species were taken from ASPÖCK et al. (1980), ASPÖCK et al. (1991) and other publications.

### RAPHIDIOPTERA

### R a p h i d i d a e

#### *Venustoraphidia nigricollis* (Albarda, 1891)

Material: Boč, 620 m a.s.l. (WM42), 18. Jun. 1987, 1 ♀, D. Devetak leg. The animal was caught in a forest with *Pinus sylvestris*, *P. nigra*, *Sorbus aria*, *Ostrya carpinifolia* and *Erica carnea*.

Distribution: widespread in Europe.  
New to Slovenia.

## I n o c e l l i i d a e

*Parainocellia (P.) braueri* (Albarda, 1891)

Material: Maribor, Pekre (WM45), 11. Jun. 1991, 1 ♀, D. Devetak leg., H. Aspöck det.  
Distribution: central and south-eastern Europe.  
New to Slovenia.

## NEUROPTERA

### C o n i o p t e r y g i d a e

*Aleuropteryx loewii* Klapálek, 1894

Material: Kamnica pri Mariboru, Bresterniški vrh (WM45), 8. and 29. Jun. 1993, 2 ♂ 7 ♀  
(on *Pinus sylvestris*), N. Kočev leg.  
Distribution: widespread in Europe.  
New to Slovenia.

*Coniopteryx (C.) aspoecki* Kis, 1967

Material: Malečnik (WM55), 27. May 1985, 7 ♂ (on *Salix* sp.), D. Devetak leg.; Starše  
(WM64), 23. Jun. 1987, 1 ♂ (on *Salix* sp.), D. Devetak leg.  
Distribution: Austria, Hungary, Roumania, Asia: Jakutsk (ASPÖCK et al., 1980; SZIRÁKI,  
1985; ABRÁHAM & SZIRÁKI, 1992).  
New to Slovenia.

*Coniopteryx (Holoconiopteryx) haematica* McLachlan, 1868

Literature record for Slovenia: DEVETAK (1984a): Sečovlje (UL93).  
Material (a new record): Hrastovlje (VL14), 13. Sep. 1990, 1 ♂ (on *Quercus pubescens*),  
D. Devetak leg.  
Distribution: widespread in Europe.

*Semidalis pseudouncinata* Meinander, 1963

Literature record for Slovenia: DEVETAK (1984a): Sečovlje (UL93).  
Material (a new record): Črni Kal (VL14), 13. Sep. 1990, 1 ♂ (on *Cupressus*), D. Devetak  
leg.  
Distribution: widespread in southern Europe.

## S i s y r i d a e

*Sisyra fuscata* (Fabricius, 1793)

Literature records for Slovenia: DEVETAK (1984a): Hrastovec v Slov. Goricah: jezero  
Komarnik (WM65); Ljubljana (VL69).

Material (new records): Gradišče v Slov. Goricah (WM65), 30. Jun. 1985, 2 ♂, D. Devetak leg.; Lenart v Slov. Goricah: jezero Komarnik (WM65), 22. Sep. 1985, 1 ♀, D. Devetak leg.; Negova: Negovsko jezero (WM76), 23. Aug. 1987, 1 ♂ 1 ♀, D. Devetak leg.; Postojna (VL36), 17. Jul. and 21. Aug. 1985, 2 ♂ 3 ♀, Bizjak leg.; Videm ob Ščavnici: Blaguško jezero (WM75), 14. Sep. 1986, 1 ♀, D. Devetak leg.

Distribution: widespread in Europe.

### *Sisyra terminalis* Curtis, 1854

Literature records for Slovenia: DEVETAK (1984a): Dobrava pri Kostanjevici (WL27); Ljubljana (VL69); Murska Sobota (WM96); Stari trg ob Kolpi, Dol (WL03); Vinica (WL23).

Material (new records): Lenart v Slov. Goricah: jezero Komarnik (WM65), 20. Jun. 1986, 1 ♂, D. Devetak leg.; Maribor (WM55), 3. Sep. 1988, 1 ♂, 21. Jun. 1990, 1 ♂, 5. Sep. 1991, 1 ♀, D. Devetak leg.; Petišovci (XM15), 10. Sep. 1988, 1 ♂, D. Devetak leg.; Postojna (VL36), 17. Jul. 1985, 1 ♂, 21. Aug. 1985, 1 ♂ 2 ♀, Bizjak leg.

Distribution: widespread in Europe.

## M a n t i s p i d a e

### *Mantispa styriaca* (Poda, 1761)

Literature records for Slovenia: DEVETAK (1984a): Cerčno, Sovodenj – Podjelovo Brdo (VM20); Ljubljana and Podutik near Ljubljana (both records before 1950!); Sežana (VL16); Povir pri Sežani (VL16); Šempeter pri Novi Gorici (UL98); Trbovlje (WM01); Vinica (WL23); Žitkovci (XM06).

Material (new records): Kamnica pri Mariboru, Bresterniški vrh (WM45), 25. Jun. 1986, 1 ♂, D. Devetak leg., 17. Jun. and 8. Jul. 1993, 2 ♀, N. Kočev leg., Komen, Brje (VL07), 16. Jul. 1989, 1 ♀, M. Gogala leg.; Polenšak, Dornava (WM74), 1. Jul. 1993, 1 ♀, S. Kaligarič leg.; Stara gora pri Šentilju (WM46), 16. Aug. 1986, 1 ♀, V Lesjak leg.

Distribution: widespread in central and southern Europe.

### *Mantispa aphavelte* U. Aspöck & H. Aspöck, 1994

(*Mantispa mandarina* auct.)

Material: Osp (VL14), 29. Aug. 1990, 1 ♀; Sočerga, Mlini (VL13), 27. Aug. 1990, 1 ♀.

Distribution: southern Europe, Morocco and Asia.

New to Slovenia. Osp is the northernmost locality in Europe.

## H e m e r o b i i d a e

### *Wesmaelius (Kimmisia) ravus* (Withycombe, 1923)

Material: Boč, 620 m a.s.l. (WM42), 18. Jun. 1987, 1 ♂ (on *Pinus* sp.), D. Devetak leg.

Distribution: widespread in Europe, rare.

New to Slovenia.

***Hemerobius (H.) simulans*** Walker, 1853

Material: Tržič, Grahovše (VM43), 8. Oct. 1981, 1 ♀, I. Sivec leg.

Distribution: widespread in Europe.

New to Slovenia.

***Hemerobius (H.) gilvus*** Stein, 1863

Literature records for Slovenia: DEVETAK (1984a): Črni Kal (VL14); Povir pri Sežani (VL16); Trbovlje (WM01).

Material (new records): Črni Kal (VL14), 13. Sep. 1990, 1 ♂ (on *Quercus pubescens*), D. Devetak leg.; Hrastovlje (VL14), 13. Sep. 1990, 1 ♂ (on *Quercus pubescens*), D. Devetak leg.; Osp (VL14), 29. Aug. 1990, 1 ♂.

Distribution: widespread in warmer parts of Europe and Anatolia.

***Micromus (Nesomicromus) lanosus*** (Zeleny, 1962)

Material: Kamnica pri Mariboru, Bresterniški vrh (WM45), 17. Jun. 1993, 1 ♂ 1 ♀ (on *Tilia cordata*), N. Kočev leg.

Distribution: widespread in Europe, rare.

New to Slovenia.

C h r y s o p i d a e

***Italochrysa italica*** (Rossi, 1790)

Material: Sočerga, Mlini (VL13), 12. Aug. 1990, 1 ♀.

Distribution: common in the Mediterranean.

New to Slovenia.

***Mallada inornatus*** (Navás, 1901)

Literature records for Slovenia: DEVETAK (1984a): Podčetrtek (WM41); Lenart v Slov. Goricah: jezero Komarnik (WM65).

Material (a new record): Sočerga, Mlini (VL13), 29. Jun. 1990, 1 ♂, B. Horvat & I. Sivec leg.

Distribution: Austria, France, Germany, Greece (Corfu), Spain (ASPÖCK et al., 1980; HYND, 1983; TRÖGER, 1990).

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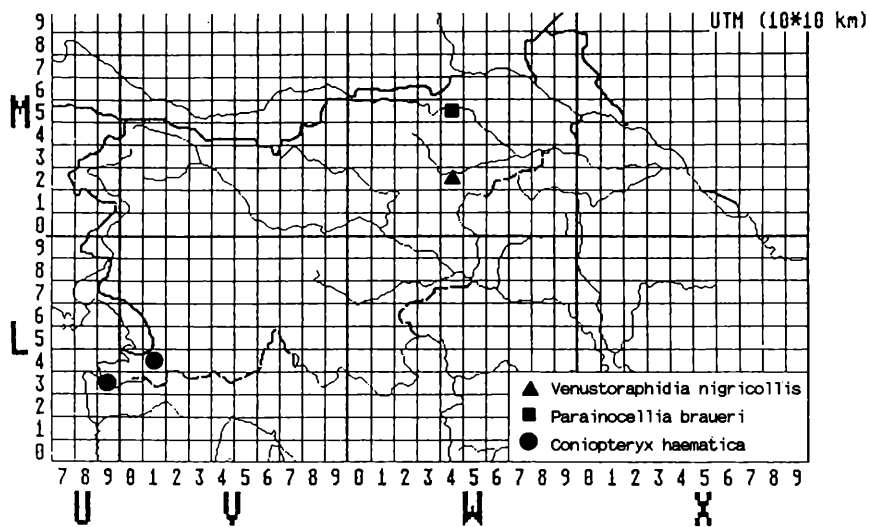


Fig. 1: Distribution of *Venustoraphidia nigricollis*, *Parainocellia braueri* and *Coniopteryx haematica*

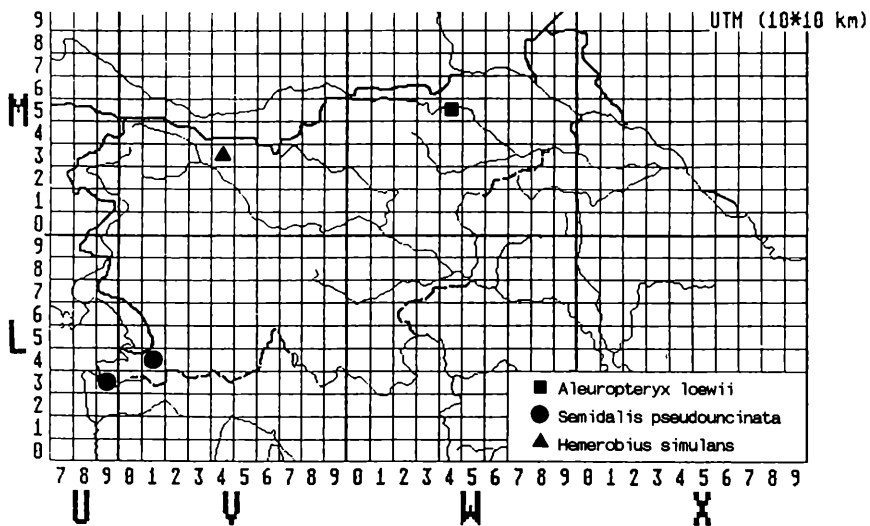


Fig. 2: Distribution of *Aleuropteryx loewii*, *Semidalis pseudouncinata* and *Hemerobius simulans*

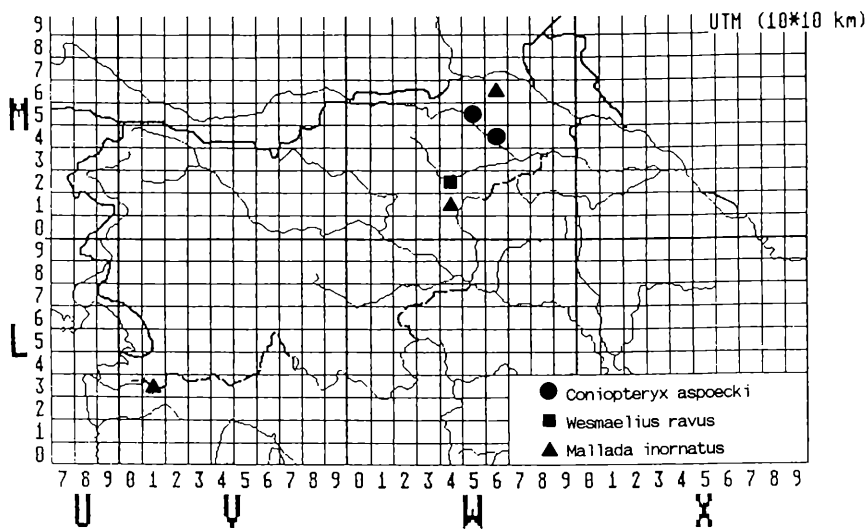


Fig. 3: Distribution of *Coniopteryx aspoeki*, *Wesmaelius ravus* and *Mallada inornatus*

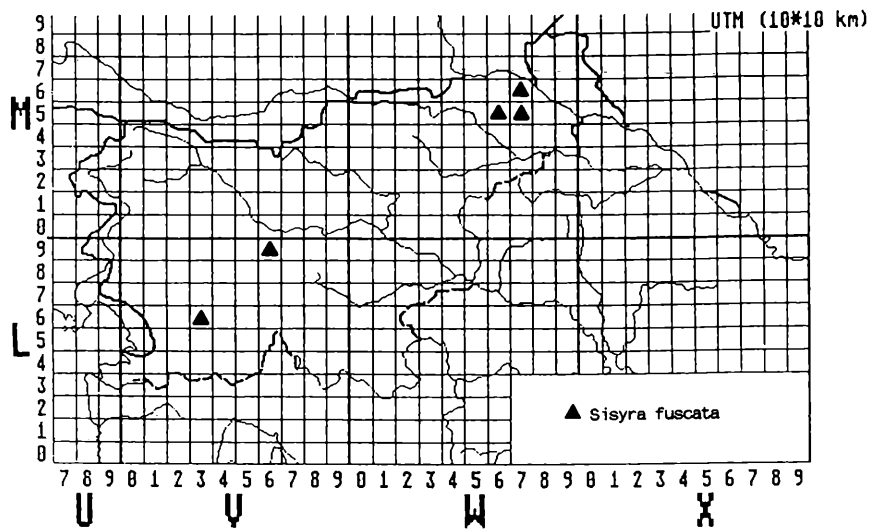


Fig. 4: Distribution of *Sisyra fuscata*

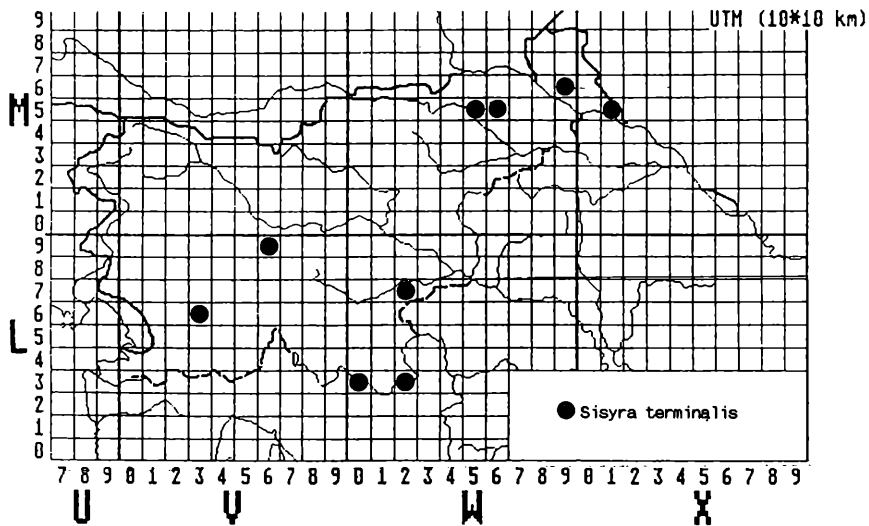


Fig. 5: Distribution of *Sisyra terminalis*

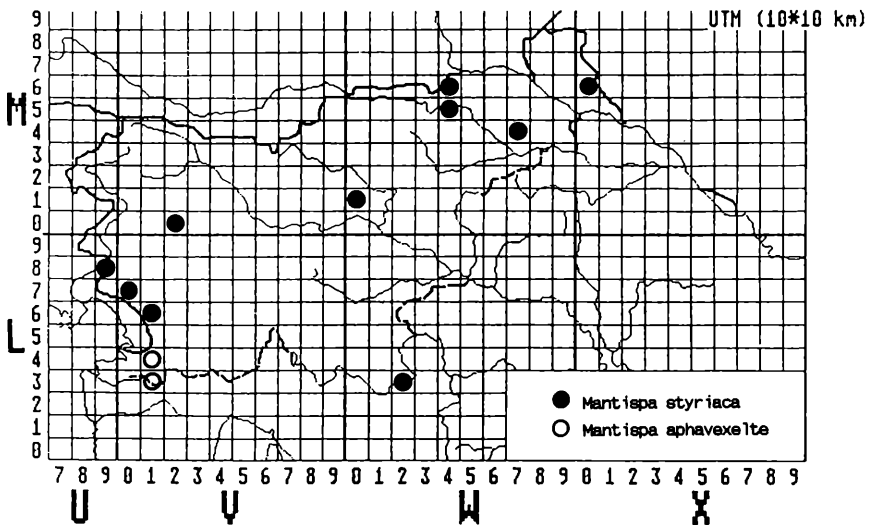


Fig. 6: Distribution of *Mantispa styriaca* and *Mantispa aphavexelte*

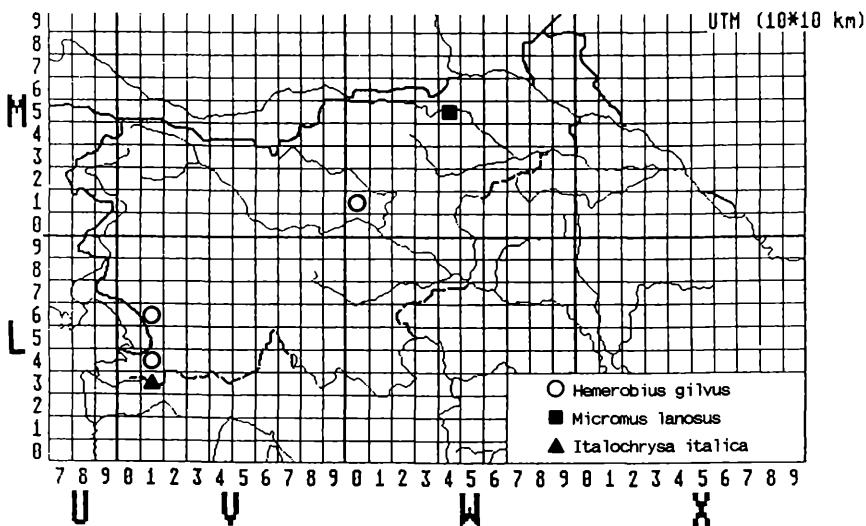


Fig. 7: Distribution of *Hemerobius gilvus*, *Micromus lanosus* and *Italochrysa italica*

## References

- Abráham, L., G. Sziráki, 1992: A Béda-Karapanca Tájvédelmi Körzet recésszárnyú faunájának természetvédelmi értékelése (Neuropteroidea: Megaloptera, Neuroptera). *Dunántúli Dolg. Term. tud. Sorozat*, 6: 71-78.
- Aspöck, H., U. Aspöck, H. Hölzel, 1980: Die Neuropteren Europas. Eine zusammenfassende Darstellung der Systematik, Ökologie und Chorologie der Neuropteroidea (Megaloptera, Raphidioptera, Planipennia) Europas. Vols 1-2. Goecke & Evers, Krefeld.
- Aspöck, H., U. Aspöck, H. Rausch, 1991: Die Raphidiopteren der Erde. Eine monographische Darstellung der Systematik, Taxonomie, Biologie, Ökologie und Chorologie der rezenten Raphidiopteren der Erde, mit einer zusammenfassenden Übersicht der fossilen Raphidiopteren (Insecta: Neuropteroidea). Vols 1-2. Goecke & Evers, Krefeld.
- Aspöck, U., H. Aspöck, 1994: Zur Nomenklatur der Mantispiden Europas (Insecta: Neuroptera: Mantispidae). *Ann. Naturhist. Mus. Wien*, 96 B: 99-114.
- Devetak, D., 1984a: Megaloptera, Raphidioptera and Planipennia in Slovenia (Yugoslavia). Faunistical contribution. *Neuroptera Int.*, 3 (2): 55-72.
- Devetak, D., 1984b: *Chrysopa hungarica* Klapálek, 1899 (Neuroptera, Planipennia, Chrysopidae), first record for Yugoslavia. *Biol. Vestn.*, 32 (2): 65-66.



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- Devetak, D.**, 1992: Present knowledge of the Megaloptera, Raphidioptera and Neuroptera of Yugoslavia (Insecta: Neuropteroidea). In: Canard, M., H. Aspöck, M.W. Mansell (Eds): *Current Research in Neuropterology*, pp. 107-118. Toulouse.
- Hynd, W. R. B.**, 1983: Records of Neuroptera from Corfu, Greece. *Entomol. Gazette*, 34: 129-131.
- Montserrat, V. J.**, 1991: Nuevos datos sobre algunas especies del genero *Hemerobius* L., 1758 (Insecta, Neuroptera: Hemerobiidae). *Graellsia*, 47: 61-70.
- Sziráki, G.**, 1985: Három magyar faunára új faj (Psocoptera, Neuroptera, Lepidoptera). *Folia entomol. hung.*, 46 (1): 273-274.
- Tröger, E. J.**, 1990: Drei interessante Florfliegen (Neuropteroidea, Planipennia, Chrysopidae) aus dem Oberrheingebiet. *Mitt. bad. Landesver. Naturkunde Naturschutz* N. F., 15 (1): 101-107.

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