

A Contribution to the Knowledge of Megaloptera, Raphidioptera and Neuroptera in Slovenia (Yugoslavia)

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Summary

A review of neuropterological investigations in Slovenia (Yugoslavia) is given. In this area 62 species are found. Among them the following are new to the fauna of Yugoslavia: *Sialis nigripes* PICT., *Sisyra terminalis* CURT., *Wesmaelius quadrifasciatus* (REUT.), *Symphorobius pellucidus* (WALK.), *Hemerobius marginatus* STEPH., *Nothochrysa fulviceps* (STEPH.), *Nothochrysa capitata* (FABR.) and *Nineta vittata* (WESM.).

In the past Slovenia was neuropterologically insufficiently investigated. Most studies dealing with Slovenian Neuropteroidea contain only sporadic information. The oldest study dates back to the famous »Entomologia Carniolica« (1763) by I. A. Scopoli. He was the first to describe the species *Osmylus fulvicephalus*, *Nineta flava* and *Libelloides macaronius*. Later, Czech entomologist F. Klapálek gave a more complete picture (KLAPÁLEK, 1900).

In the last 80 years a number of investigations has been carried out. From that period the most important are J. Staudacher's, Stussiner's and M. Hafner's collection. From other entomologists the following should especially be mentioned: H. and U. Aspöck, H. Hölzel, D. E. Kimmins, H. Steinmann, P. G. Strobl, K. Táborský and from Slovenian collectors S. Breljih, J. Carnelutti, M. Gogala, Š Michieli, A. Podobnik, I. Sivec and the author.

62 species are known now in Slovenia from which the following are new to the fauna of Yugoslavia: *Sialis nigripes* PICT., *Sisyra terminalis* CURT., *Wesmaelius quadrifasciatus* (REUT.), *Symphorobius pellucidus* (WALK.), *Hemerobius marginatus* STEPH., *Nothochrysa fulviceps* (STEPH.), *Nothochrysa capitata* (FABR.) and *Nineta vittata* (WESM.).

A list of species:

MEGALOPTERA

Sialidae

Sialis fuliginosa PICTET, 1836

Sialis lutaria (LINNAEUS, 1758)

Sialis nigripes PICTET, 1865

Semidalis aleyrodiformis (STEPHENS, 1836)

Helicoconis lutea (WALLENGREN, 1871)

Osmylidae

Osmylus fulvicephalus (SCOPOLI, 1763)

RAPHIDIOPTERA

Raphidiidae

Raphidia ophiopsis LINNAEUS, 1758

Raphidia flavipes STEIN, 1863

Raphidia notata FABRICIUS, 1781

Raphidia maior BURMEISTER, 1839

Raphidia etrusca ALBARDA, 1891

Raphidia ratzeburgi BRAUER, 1876

Sisyridae

Sisyra fuscata (FABRICIUS, 1793)

Sisyra terminalis CURTIS, 1854

Hemerobiidae

Micromus variegatus (FABRICIUS, 1793)

Eumicromus angulatus (STEPHENS, 1836)

Eumicromus paganus (LINNAEUS, 1767)

Drepanopteryx phalaenoides (LINNAEUS, 1758)

Wesmaelius betulinus (STROM, 1788)

Wesmaelius tjederi (KIMMINS, 1963)

Wesmaelius quadrifasciatus (REUTER, 1894)

Symphorobius elegans (STEPHENS, 1836)

NEUROPTERA

Coniopterygidae

Coniopteryx tineiformis CURTIS, 1834

Conwentzia psociformis (CURTIS, 1834)

- Symphorobius pygmaeus* (RAMBUR, 1842) *Anisochrysa ventralis* (CURTIS, 1834)
Symphorobius pellucidus (WALKER, 1853) *Anisochrysa prasina* (BURMEISTER, 1839)
Megalomus hirtus (LINNAEUS, 1761) *Chrysopa viridana* SCHNEIDER, 1845
Hemerobius humulinus LINNAEUS, 1758 *Chrysopa septempunctata* WESMAEL, 1841
Hemerobius stigma STEPHENS, 1836 *Chrysopa formosa* BRAUER, 1850
Hemerobius atrifrons MCLACHLAN, 1868 *Chrysopa phyllochroma* WESMAEL, 1841
Hemerobius pini STEPHENS, 1836 *Chrysopa abbreviata* CURTIS, 1834
Hemerobius nitidulus FABRICIUS, 1777 *Chrysopa perla* (LINNAEUS, 1758)
Hemerobius micans OLIVIER, 1792 *Chrysopa dorsalis* BURMEISTER, 1839
Hemerobius lutescens FABRICIUS, 1793 *Chrysopa walkeri* MCLACHLAN, 1893
Hemerobius marginatus STEPHENS, 1836

Chrysopidae

- Hypochrysa pernobilis* (TJEDER, 1967)
Nothochrysa fulviceps (STEPHENS, 1836)
Nothochrysa capitata (FABRICIUS, 1793)
Nineta flava (SCOPOLI, 1763)
Nineta vittata (WESMAEL, 1841)
Nineta pallida (SCHNEIDER, 1851)
Chrysotropia ciliata (WESMAEL, 1841)
Tjederina gracilis (SCHNEIDER, 1836)
Anisochrysa carnea (STEPHENS, 1836)
Anisochrysa flavifrons (BRAUER, 1851)

Mantispidae

- Mantispa styriaca* (PODA, 1761)

Myrmeleonidae

- Dendroleon pantherinus* (FABRICIUS, 1787)
Myrmeleon formicarius (LINNAEUS, 1767)
Euroleon nostras (FOURCROY, 1785)
Distoleon tetragrammicus (FABRICIUS, 1798)

Ascalaphidae

- Libelloides macaronius* (SCOPOLI, 1763)
Libelloides ottomanus (GERMAR, 1817)

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