

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.), *Symphebius 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. Hözel, D. E. Kimmens, H. Steinmann, P. G. Strobl, K. Táborský and from Slovenian collectors S. Brelih, J. Cornelutti, 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.), *Symphebius 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

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

NEUROPTERA

Coniopterygidae

- Coniopteryx tineiformis* CURTIS, 1834
Conwentzia psociformis (CURTIS, 1834)

Semidalis aleyrodiformis (STEPHENS, 1836)
Helicoconis lutea (WALLENGREN, 1871)

Osmylidae

Osmylus fulvicephalus (SCOPOLI, 1763)

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)
Symphebius elegans (STEPHENS, 1836)

Sympherobius pygmaeus (RAMBUR, 1842)
Sympherobius pellucidus (WALKER, 1853)
Megalomus hirtus (LINNAEUS, 1761)
Hemerobius humulinus LINNAEUS, 1758
Hemerobius stigma STEPHENS, 1836
Hemerobius atrifrons MCLACHLAN, 1868
Hemerobius pini STEPHENS, 1836
Hemerobius nitidulus FABRICIUS, 1777
Hemerobius micans OLIVIER, 1792
Hemerobius lutescens FABRICIUS, 1793
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)

Anisochrysa ventralis (CURTIS, 1834)
Anisochrysa prasina (BURMEISTER, 1839)
Chrysopa viridana SCHNEIDER, 1845
Chrysopa septempunctata WESMAEL, 1841
Chrysopa formosa BRAUER, 1850
Chrysopa phyllochroma WESMAEL, 1841
Chrysopa abbreviata CURTIS, 1834
Chrysopa perla (LINNAEUS, 1758)
Chrysopa dorsalis BURMEISTER, 1839
Chrysopa walkeri MCLACHLAN, 1893

Mantispidae

Mantispa styriaca (PODA, 1761)

Myrmeleontidae

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)

Literature

- ASPÖCK, H., ASPÖCK, U. Die Neuropteren Mitteleuropas – eine faunistische und zoogeographische Analyse. – Abh. Ber. Naturkundemuseums. Görlitz 44 (2): 31–48. 1968.
 ASPÖCK, H., ASPÖCK, U. Die Auflösung des Raphidia notata-Komplexes (Neur., Raphidioptera, Raphidiidae). – Z. Arbeitsgem. Österr. Entomol. 27 (3/4): 57–70. 1975 (1976).
 GOGALA, M. Die spektrale Empfindlichkeit der Doppelaugen von Ascalaphus macaronius Scop. (Neuroptera, Ascalaphidae). – Z. vergl. Physiol. 57: 232–243. 1967.
 HÖLZEL, H. Die Netzflügler Kärtens. – Carinthia II 74: 97–156. 1964.
 HÖLZEL, H. Die Netzflügler Kärtens. 1. Nachtr. – Carinthia II 83: 497–506. 1973.
 KIMMINS, D. E. Notes on two British species of Neuroptera (*Boriomyia mortoni* (McL.) and *B. killingtoni* (Morton), with a description of a new species of the mortoni group of *Boriomyia*. – Entomol. Gazette 14: 140–149. 1963.
 KLAPOLEK, F. Prispevok ku znalosti Neuropteroid z Krajiny a Korutan. – Rozpravy České Akad. cír. Fr. Josefa 9, Trida 11, Cílo 14: 1–12. 1900.
 SCOPOLI, I. A. Entomologia Carniolica exhibens Insecta Carnioliae indigena et distributa in ordines, genera, species, varietates, Methodo Linnaeanae. Vindobonae. 1763.
 STEINMANN, H. Raphidiopterological studies I. Navasana gen. n. from Hungary, Harraphidia gen. n. from Marocco, new Lesna Nav. and Subilla Nav. species from Europe. – Acta zool. Acad. sci. Hung. 9 (1–12): 183–198. 1963.
 STROBL, P. G. Neuropteroiden (Netzflügler) Steiermarks (und Niederösterreichs). – Mitt. naturwiss. Ver. Steiermark, Graz 1905 (42): 225–266. 1906 (Neuroptera: pp. 242–247).
 TÁBORSKÝ, K. Studie druhu Ascalaphus macaronius Scopoli. – Čas. Nár. Mus. Praha 113: 91–96. 1939.

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