

RARE FOR LITHUANIAN FAUNA LEPIDOPTERA SPECIES RECORDED IN 2010

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Introduction

Lepidoptera is one of the best studied insect orders in Lithuania. Still, every year new important data on fauna and distribution of Lepidoptera in our country is added. The article presents new data on rare species of moths and butterflies registered in central and south-eastern Lithuania in 2010.

Material and Methods

The material was collected in Kaunas, Šalčininkai, Švenčionys, Varėna and Vilnius administrative districts during April-September, 2010. Standard entomological techniques (netting and light trapping) were used.

The material was identified using various identification keys (Hausmann, 2004; Ivinskis & Augustauskas, 2004; Kazlauskas, 1984; 2008; Mironov, 2003; Nowacki, 1998). For identification of difficult species genitalia preparations were made. Taxonomy is given according to the Fauna Europaea database (Karsholt & Nieuwerkerken, 2011).

Information on the locality, finding date and the number of the recorded specimens is provided for every species.

The collected material is preserved in the personal collection of the author.

List of localities

Kaunas district,	Lapės	54°59'03,00"N, 24°00'05,86"E;
	Varlupos Miškas f.	55°00'51,15"N, 23°54'02,88"E
Šalčininkai district,	Kernavo Pelkė bog	54°22'25,44"N, 25°06'13,06"E
	Rūdninkai former military training area	54°23'10,00"N, 25°06'24,12"E
Švenčionys district,	Mažasis Siaurys lake env.	55°10'19,57"N, 25°46'26,39"E
	Meškerinė env.	55°03'31,93"N, 25°51'44,94"E
	Pabradė military training area	55°03'51,22"N, 25°50'55,74"E
	Pažeimenė env.	55°01'52,42"N, 25°51'49,77"E
Varėna district,	Kašėtos env.	54°05'31,83"N, 24°22'27,90"E
	Mielupiai env.	54°18'31,69"N, 24°46'20,86"E
Vilnius district,	Mostiškės env.	54°46'21,93"N, 25°38'24,49"E

List of species

LASIOCAMPIDAE

***Odonestis pruni* (Linnaeus, 1758)**

Mažasis Siaurys lake env., 25 06 2010, 1 spec.; Kašėtos, 03 07 2010, 3 spec.

SPHINGIDAE

***Hyles euphorbiae* (Linnaeus, 1758)**

Meškerinė, 09 08 2010, 1 spec.

LYCAENIDAE

***Satyrium pruni* (Linnaeus, 1758)**

Pažeimenė, 12 06 2010, 4 spec.

***Phengaris arion* (Linnaeus, 1758)**

Mielupiai, 03 07 2010, 3 spec.

NYMPHALIDAE

***Boloria (Proclissiana) eunomia* (Esper, 1799)**

Kernavo Pelkė bog, 18 06 2010, 1 spec.

***Melitaea didyma* (Esper, 1778)**

Rūdninkai former military training area, 03 07 2010, ~ 50 spec.

***Oeneis (Oeneis) jutta* (Hübner, 1806)**

Kernavo Pelkė bog, 20 05 2010, ~ 50 spec.

GEOMETRIDAE

***Stegania cararia* (Hübner, 1790)**

Pabradė military training area, 12 06 2010, 1 spec.

***Narraga fasciolaria* (Hufnagel, 1767)**

Meškerinė, 10 06 2010, 1 spec., 10 07 2010, 3 spec., 28 07 2010, 5 spec.

***Charissa (Kemtroglyphos) ambiguata* (Duponchel, 1830)**

Mažasis Siaurys lake env., 25 06 2010, 3 spec.

***Hemistola chrysoprasaria* (Esper, 1795)**

Rūdninkai former military training area, 18 06 2010, 7 spec.; Meškerinė, 30 06 2010, 3 spec.; Pabradė military training area, 12 06 2010, 3 spec.

***Cyclophora (Cyclophora) annularia* (Fabricius, 1775)**

Varlupos Miškas f. 12 07 2010, 1 spec.

***Cyclophora (Cyclophora) quercimontaria* (Bastelberger, 1897)**

Rūdninkai former military training area, 03 08 2010, 1 spec.; Meškerinė, 10 06 2010, 1 spec., 28 07 2010, 1 spec.

***Cyclophora (Codonia) linearia* (Hübner, 1799)**

Rūdninkai former military training area, 18 06 2010, 1 spec.

***Scopula (Scopula) decorata* (Denis & Schiffermüller, 1775)**

Pabradė military training area, 12 06 2010, 1 spec.

***Idaea deversaria* (Herrich-Schäffer, 1847)**

Kašėtos, 03 07 2010, 5 spec.

***Idaea humiliata* (Hufnagel, 1767)**

Kašėtos, 03 07 2010, ~ 20 spec.

***Horisme aquata* (Hübner, 1813)**

Rūdninkai former military training area, 18 06 2010, 1 spec., 03 08 2010, 1 spec.

***Horisme vitalbata* (Denis & Schiffermüller, 1775)**

Rūdninkai former military training area, 03 08 2010, 1 spec.

***Spargania luctuata* (Denis & Schiffermüller, 1775)**

Mostiškės, 02 06 2010, 1 spec.

***Philereme transversata* (Hufnagel, 1767)**

Meškerinė, 30 06 2010, 1 spec., 10 07 2010, 3 spec.

***Eupithecia cauchiata* (Duponchel, 1831)**

Pabradė military training area, 12 06 2010, 1 spec.

***Eupithecia extraversaria* Herrich-Schäffer, 1852**

Lapės, 13 07 2010, 1 spec.

***Eupithecia millefoliata* Rössler, 1866**

Lapės, 13 07 2010, 6 spec.; Varlivos Miškas f. 12 07 2010, 1 spec.; Kašėtos, 03 07 2010, 1 spec.

***Eupithecia ochridata* Schütze & Pinker, 1968**

Meškerinė, 11 05 2010, 2 spec., 12 05 2010, 1 spec.

***Eupithecia venosata* (Fabricius, 1787)**

Meškerinė, 10 06 2010, 1 spec.

NOCTUIDAE

***Syngrapha interrogationis* (Linnaeus, 1758)**

Mažasis Siaurys lake env., 25 06 2010, 1 spec.

***Abrostola asclepiadis* (Denis & Schiffermüller, 1775)**

Pabradė military training area, 12 06 2010, 1 spec.; Mostiškės, 02 06 2010, 1 spec.

***Cucullia (Cucullia) gnaphalii* (Hübner, 1813)**

Rūdninkai former military training area, 18 06 2010, 1 spec.

***Cucullia (Cucullia) lucifuga* (Denis & Schiffermüller, 1775)**

Meškerinė, 11 05 2010, 2 spec., 12 05 2010, 1 spec.

***Chilodes maritima* (Tauscher, 1806)**

Meškerinė, 30 06 2010, 2 spec., 10 07 2010, 1 spec., 21 07 2010, 1 spec.

***Phlogophora meticulosa* (Linnaeus, 1758)**

Rūdninkai former military training area, 03 08 2010, 1 spec.

***Calloplistria juvenina* (Stoll, 1782)**

Lapės, 13 07 2010, 1 spec.

***Eucarta virgo* (Treitschke, 1835)**

Lapės, 13 07 2010, 7 spec.; Varlivos Miškas f. 12 07 2010, 5 spec.; Meškerinė, 30 06 2010, 1 spec.; Kašėtos, 03 07 2010, 2 spec.

***Mniotype adusta* (Esper, 1790)**

Rūdninkai former military training area, 18 06 2010, ~ 10 spec.; Mažasis Siaurys lake env., 22 06 2010, 2 spec., 25 06 2010, 1 spec.; Meškerinė, 31 05 2010, 1 spec., 10 06 2010, 3 spec.; Pabradė military training area, 12 06 2010, ~ 25 spec.

***Oligia fasciuncula* (Haworth, 1809)**

Meškerinė, 10 06 2010, 2 spec.

***Amphipoea lucens* (Freyer, 1845)**

Rūdninkai former military training area, 03 08 2010, 4 spec.; Meškerinė, 28 07 2010, 1 spec.

***Hadena (Hadena) albimacula* (Borkhausen, 1792)**

Meškerinė, 31 05 2010, 1 spec.

***Hadena (Hadena) compta* (Denis & Schiffermüller, 1775)**

Meškerinė, 30 06 2010, 1 spec., 10 07 2010, 1 spec.

***Hecatera bicolorata* (Hufnagel, 1766)**

Rūdninkai former military training area, 03 08 2010, 1 spec.

***Eugraphe sigma* (Denis & Schiffermüller, 1775)**

Mažasis Siaurys lake env., 22 06 2010, ~ 25 spec., 25 06 2010, ~ 15 spec.;

Meškerinė, 30 06 2010, 2 spec.; Kašėtos, 03 07 2010, 2 spec.

NOLIDAE

***Meganola albula* (Denis & Schiffermüller, 1775)**

Lapės, 13 07 2010, 2 spec.

***Meganola togatulalis* (Hübner, 1796)**

Kašėtos, 03 07 2010, 1 spec.

***Bena bicolorana* (Fuessly, 1775)**

Lapės, 13 07 2010, 1 spec.

***Nycteola degenerana* (Hübner, 1799)**

Meškerinė, 20 07 2010, 1 spec., 21 07 2010, 3 spec., 28 07 2010, 1 spec.

EREBIDAE

***Paracolax tristalis* (Fabricius, 1794)**

Lapės, 13 07 2010, 3 spec.

***Catocala promissa* (Denis & Schiffermüller, 1775)**

Lapės, 13 07 2010, 1 spec.

***Laelia coenosa* (Hübner, 1808)**

Meškerinė, 20 07 2010, 2 spec.; Mostiškės, 18 07 2010, 1 spec.

Discussion

48 rare Lepidoptera species were recorded for the studied regions during the research. 2 of them are included in the Lithuanian Red Data Book (Rašomavičius, 2006): *Phengaris arion* (Linnaeus, 1758) and *Oeneis (Oeneis) jutta* (Hübner, 1806).

Meganola togatulalis (Hübner, 1796) is a very rare species in Lithuania. Only 3 moths specimens have been caught until now - last time this species was registered in 1987 (Kazlauskas, 2008).

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Retos Lietuvos drugių (Lepidoptera) rūšys rastos 2010 metais*T. ŪSAITIS***Santrauka**

Straipsnyje pateikiami duomenys apie 48 retas Lietuvoje drugių rūšis aptiktas Kauno, Šalčininkų, Švenčionių, Varėnos ir Vilniaus rajonuose 2010 metais. Dvi iš jų - *Phengaris arion* (Linnaeus, 1758) ir *Oeneis (Oeneis) jutta* (Hübner, 1806) įrašytos į Lietuvos raudonąją knygą. Pateikiama informacija apie kiekvienos rūšies radvietę, stebėjimo datą ir stebėtų individų skaičių.

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