

HETEROPTERA AND AUCHENORRHYNCHA (HEMIPTERA) COLLECTED FROM SOUTHEASTERN LITHUANIA IN 2008

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Introduction

The Hemiptera of Lithuania is quite poorly known. Early research by Gimmerthal, Flor and Vilbaste (Vilbaste, 1974) was very strong in the Baltic region, but recent works are almost lacking. G. Söderman & D. Dapkus (in press) mention 285 true bugs (Heteroptera) and 313 leafhoppers (Auchenorrhyncha: Fulgoromorpha et Cicadomorpha) from Lithuania. These numbers are very low and it is likely that they should be higher than for e.g. Latvia (385 and 333) and Estonia (455 and 303) situating more in the north (Vilbaste, 1974). In summer 2008, the authors had the opportunity to visit Vilnius and surrounding areas in southeastern Lithuania for a short period and they took the opportunity to collect Hemiptera as much as possible.

Material and Methods

The collections were made on the 18–22 of August, 2008 during fine weather. The sites were chosen mainly based on the biotope type and vegetation. Many sites were xeric (= hot and sandy) and culturally influenced, dry meadows, ruderal areas and road verges. Typical plants were i.a. *Artemisia campestris*, *Cytisus*, *Helichrysum*, *Thymus* and *Helianthemum*. Some sites were wetter with sedges and horsetails but mires and bogs were not included. Collecting in forests was restricted to trees and brushwood of forest edges and, in addition, special attention was given to solitary trees of poplars, tree-sized willows, elms and oaks. Collecting was made primarily with sweep-nets, but at some sites bases of plants and litter was specially studied.

The material is preserved in the collections of the authors.

List of localities with habitats

Ignalina district	Kazokinė	dry <i>Artemisia campestris</i> field	55°17,7'N, 26°11,5'E
	Ignalina	ruderal vegetation near housings	55°20,0'N, 26°10,3'E
Švenčionys district	Augustavas	dry meadow	55°00,9'N, 26°00,7'E
	Palūšė	blueberry forest	55°19,3'N, 26°04,2'E
	Pakretuonė	road verge with junipers	55°15,1'N, 26°00,8'E

	Zalavas	dry ruderal field vegetation	54°58,3'N, 25°58,3'E
Trakai district	Akmena	shore meadow	54°39,6'N, 24°54,8'E
	Bražuolė	dryish field vegetation	54°40,9'N, 24°54,1'E
	Dėdeliškės	poplar road verge	54°40,6'N, 25°01,9'E
	Jovariškės	horse grazed meadow and dry <i>Artemisia campestris</i> field	54°39,3'N, 24°52,6'E
	Kariotiškės	electric power line stretch over dry sandy hills bordered by deciduous trees	54°39,9'N, 25°04,0'E
	Lentvaris	ruderal vegetation close to gasoline station	54°38,7'N, 25°03,4'E
	Ropėjų Miškas f.	airfield	54°32,0'N, 25°01,0'E
	Lake Skaistis env. I	paludified <i>Equisetum- Carex</i> depression	54°41,0'N, 24°57,9'E
	Lake Skaistis env. II	road verge with <i>Salix</i> brushwood	54°41,1'N, 24°58,1'E
	Trakų Vokė	road verge with <i>Hippophaes</i> and <i>Cytisus</i>	54°36,9'N, 25°02,6'E
Varėna district	Gudakiemis	poplar grove	54°26,7'N, 24°59,3'E
	Kibyšiai	xerophilous road verge	54°11,2'N, 24°18,1'E
	Merkinė	meadow and pond vegetation	54°10,4'N, 24°13,6'E
Vilnius district	Senoji Varėna	road verge vegetation	54°15,6'N, 24°33,4'E
	Kirtimai	ruderal city vegetation	54°38,0'N, 25°16,6'E

List of species

HETEROPTERA

MIRIDAE

Adelphocoris quadripunctatus (Fabricius, 1794)

Zalavas, 20 08 2008, 1♂.

Blepharidopterus angulatus (Fallén, 1807)

Gudakiemis, 19 08 2008, 1♂; Kirtimai, 22 08 2008, 1♂; Merkinė, 19 08 2008, 1♂;
Palūšė, 20 08 2008, 1♂.

Blepharidopterus diaphanus (Kirschbaum, 1856)

Bražuolė, 21 08 2008, 1♂.

Campylomma annulicorne (Signoret, 1865)

Bražuolė, 21 08 2008, 1♀; Lake Skaistis env. II, 21 08 2008, 3♀.

***Chlamydatus pulicarius* (Fallén, 1807)**

Ropėjų Miškas f., 19 08 2008, 3♀; Zalavas, 20 80 2008, 2♂, 2♀.

***Chlamydatus pullus* (Reuter, 1871)**

Augustavas, 20 08 2008, 2♂, 3♀; Jovariškės, 18 08 2008, 1♀; Ropėjų Miškas f., 19 08 2008, 1♀; Zalavas, 20 08 2008, 1♂, 2♀.

***Compsidolon salicellum* (Herrich-Schäffer, 1841)**

Kariotiškės, 18 08 2008, 2♂.

***Criocoris crassicornis* (Hahn, 1834)**

Zalavas, 20 08 2008, 1♀.

***Deraeocoris lutescens* (Schilling, 1837)**

Akmena, 21 08 2008, 3♂; Lake Skaistis env. I, 21 08 2008, 8♀; Merkinė, 19 08 2008, 3♂.

***Deraeocoris ruber* (Linnaeus, 1758)**

Kariotiškės, 18 08 2008, 4♀.

***Dicyphus constrictus* (Boheman, 1840)**

Ropėjų Miškas f., 19 08 2008, 1♂.

***Europiella albipennis* (Fallén, 1829)**

Bražuolė, 21 08 2008; Jovariškės, 18 08 2008, Kariotiškės, 18 08 2008; Kazokinė, 20 08 2008; Kibyšiai, 19 08 2009; Lentvaris, 18 08 2008; Ropėjų Miškas f., 19 08 2008; Trakų Vokė, 18 08 2008; Zalavas, 20 08 2008, more than 100 spec. in total.

***Lygocoris viridis* (Fallén, 1807)**

Lake Skaistis env. I, 21 08 2008, 2♂.

***Lygus adspersus* (Schilling, 1837)**

Bražuolė, 21 08 2008, 1♀; Gudakiemis, 19 08 2008, 1♀; Zalavas, 20 80 2008, 1♂.

***Malacocoris chlorizans* (Panzer, 1794)**

Kariotiškės, 18 08 2008, 1♂.

***Notostira elongata* (Geoffroy, 1785)**

Kariotiškės, 18 08 2008, 6♂, 2♀; Merkinė, 19 08 2008, 2♂, 3♀.

***Orthops basalis* (A. Costa, 1852)**

Ropėjų Miškas f., 19 08 2008, 1♀; Zalavas, 20 80 2008, 1♂.

***Orthotylus nassatus* (Fabricius, 1787)**

Merkinė, 19 08 2008, 1♂.

***Orthotylus prasinus* (Fallén, 1829)**

Kariotiškės, 18 08 2008, 1♂; Kirtimai, 22 08 2008, 1♀.

***Phytocoris longipennis* Flor, 1861**

Kariotiškės, 18 08 2008, 1♂.

***Phytocoris populi* Linnaeus, 1758**

Lake Skaistis env. I, 21 08 2008, 1♀.

***Pinalitus cervinus* (Herrich-Schäffer, 1841)**

Kirtimai, 22 08 2008, 1♂, 1♀.

***Polymerus lammesi* Rinne, 1996**

Merkinė, 19 08 2008, 2♀; Zalavas, 20 80 2008, 1♂

***Polymerus nigrinus* (Fallén, 1807)**

Merkinė, 19 08 2008, 1♀.

***Sthenarus rotermundi* (Scholz, 1847)**

Kirtimai, 22 08 2008, 3♀.

***Tytthus pygmaeus* (Zetterstedt, 1840)**

Ropėjų Miškas f., 19 08 2008, 1♂.

NABIDAE

***Nabis punctatus* (A. Costa, 1847)**

Trakų Vokė, 18 08 2008, 2♂.

ANTHOCORIDAE

***Anthocoris confusus* Reuter, 1874**

Lake Skaistis env. I, 21 08 2008, 1♀.

***Anthocoris gallarumulmi* (De Geer, 1773)**

Akmena, 21 08 2008, 1♀.

***Anthocoris simulans* Reuter, 1884**

Akmena, 21 08 2008, 1♀; Kariotiškės, 18 08 2008, 1♂; Palūšė 20 08 2008, 1♀.

***Orius laticollis* (Reuter, 1884)**

Gudakiemis, 19 08 2008, 1♂.

LYGAEIDAE

***Cymus aurescens* Distant, 1883**

Merkinė, 19 08 2008, 3♀.

***Geocoris dispar* (Waga, 1839)**

Zalavas, 20 08 2008, 1♀.

***Macroplax preysleri* (Fieber, 1837)**

Kibyšiai, 19 08 2008, 3♂, 5♀.

***Rhyarochromus vulgaris* (Schilling, 1829)**

Lentvaris, 18 08 2008, 1♂.

***Scolopostethus decoratus* (Hahn, 1833)**

Akmena, 21 08 2008, 1♀.

PIESMATIDAE

***Piesma maculatum* (Laporte de Castelnau, 1832)**

Akmena, 21 08 2008, 1♀.

RHOPALIDAE

***Stictopleurus punctatonervosus* (Goeze, 1778)**

Augustavas, 20 08 2008; Bražuolė, 21 08 2008; Kariotiškės, 18 08 2008; Kibyšiai, 19 08 2008; Ropėjų Miškas f., 19 08 2008; Zalavas, 20 08 2008; more than 50 spec. in total.

ACANTHOSOMATIDAE

***Elasmostethus brevis* Lindberg, 1934**

Lake Skaistis env. I, 21 08 2008, 2♂.

AUCHENORRHYNCHA: FULGOROMORPHA ET CICADOMORPHA

DELPHACIDAE

***Stenocranus minutus* (Fabricius, 1787)**

Kariotiškės, 18 08 2008, 4♀; Lake Skaistis env. I, 21 08 2008, 2♂; Ropėjų Miškas f., 19 08 2008, 1♂, 1♀.

CICADELLIDAE

***Acericerus ribauti* Nickel & Remane, 2002**

Akmena, 21 08 2008, 2♂.

***Edwardsiana ampliata* (W. Wagner, 1947)**

Kariotiškės, 18 08 2008, 3♂.

***Edwardsiana frustator* (Edwards, 1908)**

Akmena, 21 08 2008, 1♂; Lake Skaistis env. I, 21 08 2008, 4♂; Merkinė, 19 08 2008, 2♂.

***Edwardsiana lethierryi* (Edwards, 1881)**

Akmena, 21 08 2008, 2♂.

***Edwardsiana plurispinosa* (W.Wagner, 1935)**

Kariotiškės, 18 08 2008, 1♂.

***Eupteryx signatipennis* (Boheman, 1847)**

Kariotiškės, 18 08 2008, 1♀.

***Fieberiella septentrionalis* W.Wagner, 1963**

Augustavas, 20 08 2008, 1♂; Kariotiškės, 18 08 2008, 2♂; Kirtimai, 22 08 2008, 3♂; Trakų Vokė, 18 08 2008, 2♂.

***Kybos populi* (Edwards, 1908)**

Kirtimai, 22 08 2008, 2♂.

***Macropsis vicina* (Horvath, 1897)**

Dėdeliškės, 21 08 2008, 1♀; Gudakiemis, 19 08 2008, 1♀; Kirtimai, 22 08 2008, 1♂, 1♀.

***Platymetopius guttatus* Fieber, 1869**

Trakų Vokė, 18 08 2008, 1♂, 1♀.

***Populicerus albicans* Kirschbaum, 1868**

Dėdeliškės, 21 08 2008, 2♂, 6♀; Kirtimai, 22 08 2008, 3♂, 3♀.

***Populicerus nitidissimus* (Herrich-Schäffer, 1835)**

Kirtimai, 22 08 2008, 4♂, 3♀.

***Ribautiana tenerrima* (Herrich-Schäffer, 1834)**

Akmena, 21 08 2008, 2♂.

***Tremulicerus distinguendus* (Kirschbaum, 1868)**

Akmena, 21 08 2008, 2♂, 2♀; Gudakiemis, 19 08 2008, 1♀.

***Utecha trivialis* Germar, 1821**

Kazokinė, 20 08 2008, 2♀.

***Viridicerus ustulatus* (Mulsant & Rey, 1855)**

Bražuolė, 21 08 2008, 1♀; Dėdeliškės, 21 08 2008, 1♂, 5♀; Gudakiemis, 19 08 2008, 1♂; Kirtimai, 22 08 2008, 3♂, 4♀.

***Zygina angusta* Lethierry, 1874**

Jovariškės, 18 08 2008, 1♂.

Discussion

Altogether 125 species of true bugs and 106 species of plant- and leafhoppers were collected during field studies. Of these, 39 bug and 18 leafhopper species new to the Lithuanian fauna were recorded and presented in the list. After this study the number of Heteroptera known to Lithuania is 324 and the number of Auchenorrhyncha is 331.

References

Söderman G. & Dapkus D. 2009. New records of Hemiptera from the Čepkeliai Strict Nature Reserve (southern Lithuania) in 2007. *New and Rare for Lithuania Insect Species* 21 (in press).

Vilbaste J. 1974. Preliminary list of Homoptera – Cicadinea of Latvia and Lithuania. *Eesti NSV Tead. Akad. Toimet.* 23: 131–163.

Heteroptera ir Auchenorrhyncha (Hemiptera) užregistruoti pietryčių Lietuvoje 2008 metais

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Santrauka

Straublinių (Heteroptera ir Auchenorrhyncha) tyrimai buvo atlikti pietryčių Lietuvoje, penkiuose administraciniuose rajonuose (Ignalinos, Švenčionių, Trakų, Varėnos ir Vilniaus) 2008 metais. Iš viso užregistruotos 125 blakių (Heteroptera) ir 106 cikadinių (Auchenorrhyncha) rūšys, iš kurių 39 blakių ir 18 cikadinių yra naujos Lietuvos faunos rūšys. Šiame straipsnyje pateikti jų radaviečių duomenys. Šiuo metu Lietuvoje žinoma 324 blakių ir 331 cikadinių rūšis.

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