

## Fauna of Ground Bugs (Hemiptera: Lygaeidae) in Latvia

VOLDEMĀRS SPUNĢIS

Faculty of Biology, University of Latvia, 4 Kronvalda Blvd., LV 1586, Rīga, Latvia; e-mail: adalia@lanet.lv

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**Abstract:** In total, 64 Lygaeidae species are known in Latvia; of them six are found for the first time. Five species are excluded from the list because no individual present in the collections. A study is based on revision of collections and on new material collected mostly during last decade.

**Key words:** Lygaeidae, fauna, distribution, habitats, Latvia.

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### Introduction

Ground bugs are common and widespread in different habitats of Latvia. G.Flor (1860) referred 38 species, A.Saars (1931) stated 51 species of Lygaeidae. Later Z.Spuris (1950, 1951, 1952, 1953, 1957, 1996) contributed to the study of these insects. Some other data are scattered in different publications (Ozols 1955, Spunģis 2005). V.Spunģis (2003) prepared a preliminary checklist including 62 species of ground bugs. Large material was collected during the last decade, and the aim of this research is to update the list of Lygaeidae in Latvia based on analysis of new and historical data.

### Methods

Large material of ground bugs was collected in Latvia in 2000-2008. Sampling of individuals by entomological sweep net was the main method used. Individuals were collected also the directly from the ground. Sampling of plant litter and sieving through beetle sieve. Some ground bugs were caught by yellow pollinator traps. Rather extensive material was obtained also by use of pitfall traps used for collecting epigeic invertebrates.

Bugs were killed by aethylacetate, dried if preserved in the solution of formaldehyde, pinned or glued on paper triangles on entomological pins, and identified by use of keys and descriptions (Kerzner 1964, Wachmann et al. 2007). A collection of newly

recorded ground bugs is merged with collection of Z.Spuris and is deposited in the Institute of Biology, University of Latvia.

Collections containing individuals of Lygaeidae from Latvia were revised. A collection of G.Flor is deposited in the Museum of Natural History, University of Tartu, of A.Saars – Zoological Museum, University of Latvia, and of Z.Spuris – in the Institute of Biology, University of Latvia. A collection of B.A.Gimmerthal is deposited in the Zoological Museum, University of Latvia. Only species with represented by individuals in collections are included in the list.

Data on numerous individuals collected by different researchers were not published. Unpublished records cover period from 1943 till 1997. Data of these records also are included in the article.

**Abbreviations used in the text:** R. – references; M. – collected material; distr. – administrative district; ind. – individuals; n – numerous individuals.

Taxonomy follows Wachmann et al. (2007), the species are ordered alphabetically. Records are ordered alphabetically by administrative districts or Riga city administrative territory (all underlined), localities – alphabetically, sampling dates – chronologically. Then method (optionally), habitat data, number of collected individuals and collector's name (if not collected by the author) follow.

## Results

### Lygaeidae SCHILLING, 1829

#### Lygaeinae STÅL, 1862

*Lygaeus equestris* (LINNAEUS, 1758)

R. Flor 1860 (*L. familiaris* PANZ.), 222, Saars 1931 (*L. equestris* L. var. *familiaris*).

M. No recent records.

Remarks. No individual present in a collection of A.Saars, but two individuals present in the collection of B.A.Gimmerthal. The species is very rare.

*Tropidothorax leucopterus* (GOEZE, 1778)

R. Saars 1931: 75.

M. No recent records.

Remarks. No individual present in a collection of A.Saars, but two individuals present in the collection of B.A.Gimmerthal. The species is very rare.

#### Orsillinae STÅL, 1872

*Nithecus jacobaeae* (SCHILLING, 1829)

R. Flor 1860 (*Cymus (Artheneis) Jacobaeae* SCHILL.), Saars 1931, Spuris 1950 (*Nysius jacobaeae*), 1957 (*Nysius jacobaeae*), Spuņģis 2005.

M. Cēsis distr.: Lodesmuiža, 06.07.2006, dry meadow, 2 ind., leg. J.Šuba. Kuldīga distr.: Diļļu meadows, 27.06-19.07.2003, yellow traps, calcareous meadow, 4 ind., leg. G.Malceniece, 27.06-24.07.2004, 7 ind. Liepāja distr.: Vītiņi meadows, 27.06-19.07.2003, yellow traps, calcareous meadow, 1 ind., leg. G.Malceniece; Ziemepe, 03.09-12.11.2006, pitfall traps, dunes, 2 ind., leg. I.Cera. Limbaži distr.: Augstroze, 10.07.2007, meadow, 2 ind. Madona distr.: Aiviekste, 02.08.2004, dry meadow, 2 ind.; to the S of Madona, 02.08.2004, forest meadow, 4 ind.; Atašiene, 26.06.2005, dry meadow, 2 ind. Ogre distr.: Jaunogre, 29.07.1956, on Compositae, 1 ind., leg. Z.Spuris. Preiļi distr.: at Ārdava lake, 29.06.1953, 1 ind., leg. Z.Spuris; Turki parish, Līvāni meadow, 26.06-24.07.2005, yellow traps, mesophytous meadow, 2 ind., leg. G.Malceniece. Rīga city: at Dambja purvs lake, 18.07.1950, 2 ind., leg. Z.Spuris; Brāļu kapi graveyard, 28.08.1973, 1 ind., leg. Z.Spuris; Dārziņi, 03.08.1973, forest clearing, 1 ind., leg. A.Kacēna. Rīga distr.: Babīte, 18.07.2007, meadow, 2 ind; Ķemeri,

22.07.1951, dry meadow, 3 ind., leg. Z.Spuris; Mangaļsala, 31.08.2004, dry meadow, 2 ind.; Salaspils, 01.08.1973, forest edge, 2 ind., leg. A.Kacēna; Saulkalne, 05.08.1979, 1 ind., leg. Z.Spuris. Talsi distr.: Kolka, 14.07.2004, dry meadow, 3 ind, 15.07.2007, wet meadow, 2 ind. Tukums distr.: Bērzciems, 05.07.2004, dunes, 2 ind.; Krievragciems, 11.08.1958, 1 ind., 02.07.1959, meadow, 2 ind., leg. V.Šmits. Valmiera distr.: Strenči, 05.08.2006, pine forest, 1 ind. Ventspils distr.: at Puze lake, 24.08.1951, 2 ind., leg. Z.Spuris.

Remarks. The species is very common, widely distributed in dry and mesophytous meadows.

*Nysius ericae* (SCHILLING, 1829)

R. Flor 1860 (*Cymus (Artheneis) Erica* SCHILL.), Saars 1931, Spuņģis 2005 (as *N. thymi*).

M. Aizkraukle distr.: Skrīveri, 09-15.06.1988, pitfall traps, meadow, 1 ind., leg. D.Volkov. Cēsis distr.: Lodesmuiža, 05.07.2005, dry meadow, 1 ind. Kuldīga distr.: Diļļu meadows, 27.06-24.07.2004, yellow traps, calcareous meadow, 1 ind. Liepāja distr.: Pape, 02.10.2004, dunes, 1 ind.; Pērkone, 05.07.2003, dunes, 1 ind., Ziemepe, 11.06-15.10.2006, pitfall traps, dunes, 137 ind., leg. I.Cera. Madona distr.: to the S of Madona, 02.08.2004, forest edge, 2 ind.; Atašiene, 26.06.2005, dry meadow, 1 ind.; Vestiena, 02.08.2004, forest edge, 2 ind. Rīga city: Brasla graveyard, 30.08.1951, 3 ind., leg. Z.Spuris; Kleisti, 24.08.2006, dry meadow, 2 ind.; Kronvalda park, 21.09.2005, inside building, 1 ind. Rīga distr.: Babīte, 20.06.2007, dry meadow, 2 ind.; Ķemeri, 22.07.1951, 4 ind., leg. Z.Spuris; Mangaļsala, 31.08.2004, dry meadow, 3 ind. Talsi distr.: Ēvarži, 21.07.2004, 1 ind.; Kolka, 23.07.2003, dunes, 1 ind., 14.07.2004, dry meadow, 1 ind., 14.08.2004, dry meadow, 1 ind. Tukums distr.: Engure, 01.09.2006, dunes, 1 ind.; Pliņciems dune, 11.06.2005, dunes, 1 ind. Valka distr.: Grodupes, 17.08.2006, dry meadow, 1 ind. Ventspils distr.: at Puze lake, 16.08.1950, on *Galium verum*, 2 ind., 24.08.1951, 3 ind., leg. Z.Spuris; Stikli, 12.07.2005, heath land, 1 ind.

Remarks. The species is very common, widely distributed in dunes in the western part of Latvia.

*Nysius helveticus* (HERRICH-SCHÄFFER, 1850)

R. Spuris 1950, 1957, Spuņģis 2005.

M. Madona distr.: Teiči bog, 31.07.1991, raised bog, 1 ind.

Remarks. Species is rare and inhabits the raised bogs. Only three localities are known.

*Nysius thymi* (WOLFF, 1804)

R. Flor 1860 (*Cymus (Artheneis) Thymi* WOLFF.), Saars 1931, Spuris 1950, 1957.

M. Madona distr.: Aiviekste, 02.08.2004, dry meadow, 2 ind.; to the S of Madona, 2.08.2004, dry meadow, 2 ind.; Vestiena, 02.08.2004, forest edge, 1 ind. Rīga city: at Dambja purvs lake, 18.07.1950, 2 ind., leg. Z.Spuris; Brāļu kapi graveyard, 8.08.1973, 4 ind., leg. Z.Spuris; Dārziņi, 03.08.1973, forest clearing, 3 ind., leg. A.Kacēna; Mangaļi, 27.09.1956, 1 ind., leg. G.Ozols; Mārupe, 07.08.1973, 2 ind., leg. A.Kacēna; Pleskodāle graveyard, 24.08.1973, 4 ind., leg. Z.Spuris; Šķirotava, 09.08.1973, dry meadow, 1 ind., leg. A.Kacēna. Rīga distr.: at Lielupe river mouth, 29.07.1973, 4 ind., leg. Z.Spuris; Carnikava, 05.09.1973, barley field, 2 ind., leg. A.Kacēna; Carnikava, 31.08.1973, abandoned meadow, 2 ind., leg. A.Kacēna; Garciems, 29.08.1973, forest edge, 2 ind., leg. A.Kacēna; Gauja, 31.08.1973, forest edge, 2 ind., 19.09.1973, 1 ind., leg. A.Kacēna; Inčupe, 31.08.1973, dunes, 2 ind., leg. A.Kacēna; Jugla, Baloži dunes, 01.08.1951, 1 ind., leg. Z.Spuris; Kalngale, 28.08.1973, dunes, 2 ind., dry meadow, 2 ind., leg. A.Kacēna; Ķemeri, 22.07.1951, dry meadow, 7 ind., leg. Z.Spuris; Salaspils, 03.08.1976, 2 ind., leg. Z.Spuris; Saulkalne, 06.09.1973, dry meadow, 1 ind., leg. A.Kacēna; Vecāķi, 13.09.1973, forest clearing, 4 ind., leg. A.Kacēna; Zvejniekiems, 30.08.1973, dry meadow, 2 ind., leg. A.Kacēna. Talsi distr.: Engure lake W coast, no date, dry meadow, 3 ind., leg. Z.Spuris. Valka distr.: Saule, 17.08.2006, dry meadow, 2 ind.

Remarks. The species is common, widely distributed mostly in dry meadows to mesophytous meadows and dry forests.

*Ortholomus punctipennis* (HERRICH-SCHÄFFER, 1839)

R. Spuris 1951 (*Nysius punctipennis* H.-S.), 1957 (*N. punctipennis* H.-S.).

M. Liepāja distr.: Pape, 15.07.2002, dunes, 2

ind., leg. K.Vilks; Pērkone, 05.07.2003, dunes, 1 ind. Madona distr.: Aiviekste, 02.08.2004, dry meadow, 1 ind. Rīga city: Buļļusala, S part, 14.07.1951, 5 ind., leg. Z.Spuris; between Zaslauks and Torņakalns, 07.08.1973, 2 ind., leg. Z.Spuris; Dārziņi, 03.08.1973, forest clearing, 1 ind., leg. A.Kacēna; Mārupe, 07.08.1973, meadow, 6 ind., leg. A.Kacēna; Vagonu parks, 09.08.1973, 1 ind., leg. A.Kacēna. Rīga distr.: Garciems, 29.08.1973, forest edge, 1 ind., leg. A.Kacēna; Mangaļsala, 31.08.2004, dry meadow, 2 ind.; Zvejniekiems, 03.08.1973, dry meadow, 1 ind., leg. A.Kacēna. Tukums distr.: Tukums, 09.08.2006, dry meadow, 1 ind.

Remarks. The species is rather common, widely distributed in dry meadows.

**Ischnorhynchinae** STÅL, 1872

*Kleitocerys resedae* (PANZER, 1797)

R. Flor 1860 (*Cymus (Lyctus) Resedae* PANZ.), Saars 1931 (*Ischnorhynchus resedae* PANZ.), Spuris 1950 (*I. resedae* PANZ.), 1953 (*I. resedae* PANZ.), 1957 (*I. resedae* PANZ.), 1974 (*I. resedae*), 1996 (*Kleitocerys* (= *Ischnorhynchus*) *resedae* (PANZER, 1797)), Spuņģis 2005.

M. Aizkraukle distr.: Krasti, 15.10.2006, deciduous forest, 1 ind. Cēsis distr.: Lodesmuiža, 01-06.07.2006, pitfall traps, birch-white alder forest edge, 1 ind., leg. L.Sabule, M.Grunskis, I.Žagare. Jēkabpils distr.: Sauka, 15.10.2006, deciduous forest, 1 ind. Jelgava distr.: Jēkabnieki parish, Pumpuri, 09.07.1948, on *Betula* sp., 2 ind., leg. Z.Spuris; Kalnausi graveyard, 05.06.1948, on *Betula* sp., 1 ind., leg. Z.Spuris. Liepāja distr.: Rucava, 28.10.2006, birch forest, 1 ind.; Ziemupe, 15.04.2004, dunes, 2 ind. Rīga city: Citadeles Str., 11.01.2006, on building, 1 ind.; Kronvalda park, 29.03.2007, on building, 1 ind.; Nordeķi park, 05.10.2003, 1 ind. Rīga distr.: Babīte, 18.05.2004, 2 ind.; Ķemeri bog, 28.04-27.05.2001, pitfall traps, pine forest, 1 ind.; Turaida, 04.07.1948, on *Betula* sp., 2 ind., leg. Z.Spuris; Zvejniekiems, 03.04.2004, beach, 2 ind. Tukums distr.: Engure, 06.1995, 1 ind., 17.06.1996, 1 ind., leg. Z.Spuris; Slampe, 28.10.2006, deciduous forest, 1 ind. Ventspils distr.: at Puze lake, 24.08.1951, on *Betula* sp., 3 ind., leg. Z.Spuris.

Remarks. The species is very common, widely

distributed. An outbreak was observed in 2004, when myriads of individuals were found at sea shoreline near Kolka.

### **Cyminae** BÄRENSPRUNG, 1860

*Cymus aurescens* DISTANT, 1883

R. Spuris 1950 (*C. obliquus* HORV.).

M. Kuldīga distr.: Abavas rumba, 02.06.2007, on *Scirpus sylvaticus*, 4 ind. Limbaži distr.: Roza, 19.06.1991, *Juncus* meadow, 1 ind., leg. A.Karpa. Rīga city: Mārupe, 07.08.1973, on *S. sylvaticus*, 2 ind., leg. A.Kacēna. Rīga distr.: Babīte, 06.06.2007, on *S. sylvaticus*, 2 ind., 20.06.2007, 5 ind.; Garkalne, 17.06.2007, on *S. sylvaticus*, 3 ind.; Priedaine, 18.05.2007, wet meadow, 1 ind.; Sigulda, 10.07.2006, wet meadow, 4 ind. Talsi distr.: Kolka, 14.07.2004, beach, 2 ind.; Vīdale, 24.07.2006, on *S. sylvaticus*, 1 ind.

Remarks. The species is rather common, widely distributed.

*Cymus clavicolus* (FALLÉN, 1807)

R. Flor 1860 (*C. (Cymus) clavicolus* FALL.), Saars 1931, Spuris 1950.

M. Talsi distr.: Kolka, 14.07.2004, beach, 3 ind.; Kolka, Zēņu pond coast, 15.07.2004, 2 ind.

Remarks. The species is rare.

*Cymus glandicolor* HAHN, 1832

R. Flor 1860 (*C. (Cymus) glandicolor* HAHN), Saars 1931 (*C. glandicolor* and misidentified as *C. melanocephalus*), Spuris 1950.

M. Aizkraukle distr.: at Veseta river, 15.06.2005, meadow, 3 ind. Bauska distr.: Īslīce, Plānīte river valley, 26.07.1951, 3 ind., leg. E.Pētersons. Cēsis distr.: Vaive river valley at Priekuliņi, 03.06.1951, 5 ind., leg. Z.Spuris. Dobele distr.: at Lielaucē lake, 26.05.1950, 6 ind., leg. Z.Spuris. Jelgava distr.: Jēkabnieki parish, Pumpuri, 30.07.1950, on *Carex vulgaris*, 7 ind., leg. Z.Spuris. Kuldīga distr.: Sabile, 23.06.2003, calcareous meadow, 2 ind. Liepāja distr.: Vītiņi meadows, 27.06-24.07.2004, yellow traps, calcareous meadow, 1 ind. Madona distr.: Krustkalni, Svētes-Dreimaņu lake peninsula, 26.06.2004, 2 ind.; Teiči bog, 01.05.1993, on road, 1 ind., 28.05.1993, on *Carex* sp., 3 ind. Preiļi distr.: at Rušoni lake, 24.08.1952, on *Carex pseudocyperus*, 2 ind., leg. Z.Spuris. Rīga city: at Dambja purvs lake,

18.07.1950, 2 ind., leg. Z.Spuris; at Lakstīgalas island, 14.05.1950, 6 ind., leg. Z.Spuris; Biķernieki stream bank, 31.05.1951, on *Carex* sp., 11 ind., leg. Z.Spuris; Biķernieki, 17.05.1951, wet meadow, 7 ind., leg. Z.Spuris. Rīga distr.: at Lielais Baltezers lake, 01.06.1951, 3 ind., leg. Z.Spuris; Cena bog W part, 05.06.2007, fen, 4 ind.; Gauja, 24.05.1974, dry meadow, 3 ind., leg. R.Varzinska; Mangaļsala, 31.08.2004, floodplain meadow, 2 ind.; Priedaine, 07.06.1969, floodplain meadow, 2 ind., leg. Z.Spuris; Ropaži, Krievupe river valley, 24.07.1950, wet meadow, 3 ind., leg. Z.Spuris; Salaspils, 31.05.1997, 4 ind., leg. Z.Spuris; Vecdaugava, 11.06.1974, 1 ind., leg. Z.Spuris. Talsi distr.: Kolka, 14.07.2004, beach, 1 ind., 13.07.2005, dry meadow, 1 ind., leg. I.Žagare. Tukums distr.: Bērziems, 05.07.2004, beach, 1 ind.; Engure, 04.08.1997, wet meadow, 3 ind., leg. Z.Spuris. Ventspils distr.: Pope, 31.07.2003, *Molinia caerulea* meadow, 2 ind.

Remarks. This is the most common species of the genus *Cymus*, widely distributed in wet meadows.

### **Blissinae** STÅL, 1862

*Ischnodemus sabuleti* (FALLÉN, 1826)

R. Spuņģis 2002, 2005.

M. Liepāja distr.: Pape, 13.06.2002, dunes, 1 ind., 02.10.2004, dunes, 4 ind.; Ziemeupe, 15.05.2001, dunes, 1 ind., leg. K.Vilks. Talsi distr.: Kolka, 23.07.1999, beach, 1 ind., 23.07.2003, dunes, 6 ind., 14.07.2004, dunes, 2 ind. Tukums distr.: at Engure lake, 11.06.2005, dry meadow, 1 ind.; Pliņciems dune, 11.06.2005, dunes, 1 ind. Ventspils distr.: Lielirbe, 21.05-18.06.2003, pitfall traps, dunes, 4 ind., leg. J.Gailis.

Remarks. The species is monophagous on *Elymus arenarius* growing mostly on dunes, thus restricted to the coastal habitats.

### **Geocorinae** BÄRENSPRUNG, 1860

*Geocoris ater* (FABRICIUS, 1787)

R. Flor 1860 (*Ophthalmicus ater* FABR.), (*O. albipennis* FABR.), Saars 1931, Spuris 1953 (*G. albipennis* FABR.), Spuņģis 2005.

M. Liepāja distr.: Ziemeupe, 22.10.2005, dunes, 1 ind., 01.05-25.06.2006, pitfall traps, dunes, 3 ind., leg. I.Cera.

Remarks. The species is rare, restricted to the

coastal habitats of sea and lakes.

*Geocoris dispar* (WAGA, 1839)

M. Liepāja distr.: Diļļu meadows, 27.06-19.07.2003, pitfall and yellow traps, calcareous meadow, 2 ind., leg. G.Malceniece. Preiļi distr.: Turki parish, Līvāni meadow, 27.07-04.09.2005, yellow traps, mesophytous meadow, 2 ind., leg. G.Malceniece. Rīga city: Dārziņi, 26.07.1983, 1 ind., leg. Z.Spuris. Rīga distr.: Gauja river valley, Cūkaiņi meadow, 14.07.1970, 1 ind., leg. Z.Spuris; Sigulda, Bēzru meadow, 27.08.1969, 1 ind., leg. Z.Spuris; Sigulda, Ziedleju forest, meadow, 06.08.1970, 2 ind., leg. Z.Spuris; Vaivari, 11.09.1956, on *Arctostaphylos uva-ursi*, 2 ind., leg. Z.Spuris. Remarks. This is new species for the fauna of Latvia. The species is rather common, widely distributed in appropriate meadow habitats.

*Geocoris grylloides* (LINNAEUS, 1761)

R. Flor 1860 (*Ophthalmicus grylloides* LINN.), Saars 1931, Spuris 1953. M. Gulbene distr.: Sita river valley, 30.07.2002, 1 ind. Kuldīga distr.: Diļļu meadows, 27.06-19.07.2003, yellow traps, calcareous meadows, 5 ind., leg. G.Malceniece. Preiļi distr.: Turki parish, Līvāni meadow, 07-21.08.2005, yellow traps, mesophytous meadow, 1 ind., leg. G.Malceniece. Talsi distr.: Kolka, 13.07.2000, dunes, 1 ind, leg. L.Landrāte. Tukums distr.: Krievragciems, 11.08.1958, 1 ind., leg. V.Šmits. Remarks. The species is sporadically distributed all over the Latvia, restricted to wet meadows and coastal habitats.

**Artheneinae** STÅL, 1872

*Chilacis typhae* (PERRIS, 1857)

R. Spuris 1951, 1957.

M. No recent records.

Remarks. The species is monophagous on *Typha* spp., probably widely distributed.

**Heterogastrinae** STÅL, 1872

*Heterogaster urticae* (FABRICIUS, 1775)

R. Flor 1860 (*Phygadicus Urticae* FABR.), Saars 1931.

M. No recent records.

Remarks. The species is very rare.

**Oxycareninae** STÅL, 1862

*Metopoplax origani* (KOLENATI, 1845)

R. Saars 1931.

M. No recent records.

Remarks. A.Saars reported species from one locality (Vestiena, Dzenīškalns) in the Eastern part of Latvia. Individual presents in collection, still there are doubts about presence of species in Latvia. The species is distributed in the West and South Europe and distribution area does not reach the territory of Latvia.

**Rhyparochrominae** AMYOT et SERVILLE, 1843

Antillocorini ASHLOCK, 1964

*Tropistethus holosericeus* (SCHOLTZ, 1846)

R. Saars 1931.

M. No recent records.

Remarks. The species is very rare.

Plinthisini SLATER et SWEET, 1961

*Plinthisus pusillus* (SCHOLTZ, 1846)

R. Spuņģis 2005.

M. Liepāja distr.: Ziemupe, 01.05-23.07.2006, pitfall traps, dunes, 4 ind., leg. I.Cera. Rīga distr.: Ādaži, near Puska river, 23.09.2006, pine forest, 4 ind., birch forest, 1 ind., leg. I.Salmane; Ādaži, near Kadaga lake, 23.09.2006, pine forest, 6 ind., leg. I.Salmane.

Remarks. The species is rare, restricted to dune habitats and dry forests of Maritime Lowland.

Stygnocorini GULDE, 1936

*Acompus rufipes* (J.F.WOLFF, 1804)

R. Saars 1931, Spuris 1951.

M. Balvi dist.: at Balvi lake, 11.07.1956, on *Valeriana officinalis*, 3 ind., leg. Z.Spuris. Rīga distr.: Salaspils, 22.05.1974, meadow, 1 ind. leg. R.Varzinska.

Remarks. The species is rare, restricted to wet meadows.

*Stygnocoris fuligineus* (GEOFFROY, 1785)

R. Saars 1931.

M. Cēsis distr.: Kaza ravine, 29.10.2005, calcareous deciduous forest, 1 ind. Liepāja distr.: Ziemupe, 15.05-15.06.2001, pitfall traps, dunes, 3 ind., leg. J.Gailis, 30.08.2001, dunes, 1 ind. Talsi distr.: Kolka, 14.07.2004, dry meadow, 2 ind.

Remarks. The species is rare, recorded in dry habitats.

*Stygnocoris rusticus* (FALLÉN, 1807)

R. Flor 1860 (*Pachymerus* (*Pachymerus*) *rusticus* FALL.), Saars 1931, Spuņģis 2005.

M. Jelgava distr.: Pēterlauki, 16.07.1947, 1 ind., leg. Z.Spuris. Ogre distr.: Kaibala, 16.08.2006, meadow, 1 ind., leg. I.Salmane. Madona distr.: Barkava, 26.06-23.07.2005, yellow traps, abandoned meadow, 2 ind. Preiļi distr.: Turki parish, Līvāni meadow, 01-15.05.2005, yellow traps, mesophytous meadow, 1 ind., 07.08-04.09.2005, 3 ind, leg. G.Malceniece. Rīga city: Mārupe, 07.08.1973, 1 ind., leg. Z.Spuris. Rīga distr.: Garciems, 05.09.1972, potatoes field, 1 ind., leg. A.Kacēna; Sigulda, at Velnala cave, 28.08.1969, 1 ind., leg. Z.Spuris. Tukums distr.: Lestene parish, Priedulāji, 30.06-23.09.2007, pitfall traps, mesophytous meadow, 13 ind., leg. L.Jukāme. Valmiera distr.: Kauguri parish, Lazdas, 08.08.2004, garden, 1 ind.

Remarks. The species is widely distributed in Latvia in different meadows and dunes.

*Stygnocoris sabulosus* (SCHILLING, 1829)

R. Flor 1860 (*Pachymerus* (*Pachymerus*) *sabulosus* SCHILL.), Saars 1931 (*S. pedestris* FALL.).

M. Kuldīga distr.: Randa meadows, 18-25.08.2006, pitfall traps, wet meadow, 6 ind., leg. K.Vilks. Madona distr.: Teiči bog, 20.10.1993, raised bog, 1 ind. Preiļi distr.: Turki parish, Līvāni meadow, 27.07-07.08.2005, yellow traps, mesophytous meadow, 1 ind., leg. G.Malceniece. Rīga distr.: Ķemeri bog, 31.08-10.09.1999, pitfall traps, bog pine forest, 1 ind., 20.08-03.09.2000, bog pine forest, 4 ind. Tukums distr.: Lestene parish, Priedulāji, 28.07-11.09.2007, pitfall traps, mesophytous meadow, 1 ind., leg. L.Jukāme.

Remarks. The species is rather common, widely distributed in different meadows and bogs.

*Drymini* STÅL, 1872*Drymus brunneus* (R.F.SAHLBERG, 1848)

R. Spuris 1951.

M. Aizkraukle distr.: Krasti, 15.10.2006, deciduous forest, 2 ind.; Nereta-Aizkraukle crossroad, 15.10.2006, wet poplar forest, 1 ind.; Sauka, 15.10.2006, deciduous forest, 1 ind. Cēsis distr.: Inesis lake, Akmens island, 31.07-14.08.2003, pitfall traps, deciduous forest, 1 ind., Bāba island, 2 ind., leg. L.Irša; Inesis lake,

Inesieši peninsula, 25.08-05.09.2003, pitfall traps, deciduous forest, 1 ind., leg. L.Irša; Kaza ravine, 29.10.2005, calcareous deciduous forest, 2 ind.; Suda bog, 25.06-09.07.2000, pitfall traps, bog pine forest, 1 ind., leg. U.Saulītis; Suda bog, 18.05-14.06.2003, pitfall traps, raised bog, 1 ind.; Taurene, 21.05-18.06.2000, pitfall traps, spruce forest, 1 ind.; Taurene, 26.05-24.06.2001, pitfall traps, pine forest, 3 ind. Daugavpils distr.: Balta river valley, 08.10.2005, white alder floodplain forest, 1 ind.; Pilskalnes Siguldiņa, 15.10.2006, deciduous forest, 1 ind. Krāslava distr.: Ezernieki, Pahatnieki oak forest, 08.10.2005, broadleaved forest, 1 ind. Kuldīga distr.: Jūrkalne, Muižupīte river valley, 22.10.2006, deciduous forest, 2 ind.; Kuldīga, Venta river valley, 22.10.2006, calcareous deciduous forest, 1 ind.; Šķervēlis river valley, 09.08.2006, deciduous floodplain forest, 1 ind. Liepāja distr.: Rucava, 16.10.2005, calcareous black alder forest, 2 ind.; Rucava, 20.05-17.06.2000, pitfall traps, spruce forest, 1 ind.; 16.10.2005, deciduous forest, 1 ind.; 28.10.2006, calcareous birch forest, 1 ind.; Tosmare, 29.04-08.05.2002, pitfall traps, deciduous forest, 1 ind., leg. E.Dreijers. Limbaži distr.: Randa meadows, 07.10.2006, black alder forest, 3 ind. Rīga distr.: Ķemeri, 12.10.2005, black alder forest, 1 ind.; Ropaži, 06.11.2007, deciduous floodplain forest, 1 ind., leg. K.Vilks; Salaspils, 10.10.2005, deciduous forest, 1 ind. Tukums distr.: Antiņciems, 12.10.2005, deciduous forest, 2 ind.; Slampe, 28.10.2006, deciduous forest, 2 ind. Valka distr.: Rauza, 13-17.08.2006, pitfall traps, mixed floodplain forest, 1 ind., leg. G.Akmentiņš. Valmiera distr.: Maszalaca, 24.04-01.05.1989, pitfall traps, pine forest, 1 ind., 25-31.10.1989, 1 ind., 01.09.1993, 3 ind. Ventspils distr.: Moricsala, 10.09.2001, 1 ind.

Remarks. The species is very common, widely distributed in deciduous forests.

*Drymus ryeii* DOUGLAS et SCOTT, 1865

R. Spuņģis 2005.

M. Aizkraukle distr.: Aizkraukle bog, Liepa island, 21.10.2006, broadleaved forest, 1 ind., leg. K.Vilks; Pērse river valley, 08.10.2005, broadleaved forest, 4 ind.; Stukmaņi, 08.10.2005, calcareous small leaved forest, 2 ind. Alūksne distr.: Randati cliffs, 17.08.2006,

calcareous broadleaved forest, 1 ind. Cēsis distr.: Kaza ravine, 29.10.2005, deciduous forest, 1 ind.; Lodesmuiža, 01-06.07.2006, pitfall traps, mesophytous meadow, 1 ind., leg. I.Bodnieks, G.Ūsele; Strīkupe river valley, 01.10.2006, rotten deciduous wood, 1 ind.; Ungurmuiža, 24.03.2007, rotten deciduous wood, 1 ind. Daugavpils distr.: Balta river valley, 08.10.2005, white alder floodplain forest, 1 ind.; Medumi, 15.10.2006, broadleaved forest, 4 ind.; Pilskalnes Sigulda, 15.10.2006, broadleaved forest, 11 ind. Jēkabpils distr.: at Laukezers lake, 16.12.2006, black alder forest, 10 ind.; Sauka, 15.10.2006, deciduous forest, 7 ind. Kuldīga distr.: Diļļu meadows, 27.06-19.07.2003, pitfall traps, calcareous meadow, 2 ind., leg. G.Malceniece; Diļļu meadows, 27.06-24.07.2004, pitfall and yellow traps, calcareous meadow, 4 ind.; Rudbārži, 16.10.2005, broadleaved forest, 2 ind. Liepāja distr.: Pāvilsta, 21.05-18.06.2003, pitfall traps, dunes, 1 ind., leg. J.Gailis; Rucava, 28.10.2006, calcareous birch forest, 2 ind.; Rucava, Sventāja river valley, 16.10.2005, white alder forest, 2 ind. Limbaži distr.: Vitrupe river valley, 07.10.2006, deciduous forest, 1 ind. Preiļi distr.: Jānupe river valley, 09.10.2005, white alder floodplain forest, 2 ind.; Turki parish, Līvāni meadow, 01-15.05.2005, yellow traps, mesophytous meadow, 1 ind., leg. G.Malceniece. Rīga city: Buļļusala, 20.04.2004, beach, 3 ind.; Bergī, at Jugla lake, 25.10.1951, 1 ind., leg. V.Šmits; Brāļu kapi graveyard, 28.08.1973, 1 ind., leg. Z.Spuris. Rīga distr.: Babīte, 04-18.06.2004, pitfall traps, pine forest, 3 ind., leg. U.Kondratovičs; Babīte, 20.06.2007, on rotten birch wood, 1 ind.; Inčupe, 14.06.1974, meadow, 2 ind., leg. R.Varzinska; Kangari, 16.10.2005, calcareous broadleaved forest, 2 ind., 30.04.2006, mixed forest, 1 ind.; Ķemeri, 05.06-04.07.2004, pitfall traps, bog pine forest, 2 ind.; Ķemeri, 20.03.2007, broadleaved forest, 1 ind.; Salaspils, 27.09.2006, wet pine forest, 2 ind. Saldus distr.: Saldus, 22.10.2005, deciduous forest, 1 ind. Talsi distr.: at Mācītājmuiža lake, 18.05.1960, 1 ind., leg. V.Šmits; Dundaga, 28.10.2006, deciduous forest, 2 ind.; Kolka, 20.04.2004, beach, 5 ind., leg. N.Pētersons; Slītere, 11-18.07.2004, pitfall traps, broadleaved forest, 1 ind. Tukums distr.: Antiņciems, 12.10.2005,

calcareous broadleaved forest, 1 ind.; Engure, 20.09.2007, rotten deciduous wood, 1 ind., Kandava, 01.05.2003, broadleaved forest, 1 ind.; Lestene parish, Priedulāji, 26.05-23.09.2007, pitfall traps, mesophytous meadow, 9 ind., leg. L.Jukāme; Slampe, 28.10.2006, deciduous forest, 6 ind. Valka distr.: Jaunjērcēni, 18.05.2003, rotten deciduous wood, 1 ind. Valmiera distr.: Mazsalaca, 19.09.1989, pine forest, 1 ind.; Mellupīte river valley, 22.10.2005, broadleaved forest, 1 ind. Ventspils distr.: Moricsala, 10.09.2001, 2 ind.; Rīva river valley, 28.10.2006, broadleaved forest, 1 ind. Remarks. The species is very common, widely distributed in forests.

*Drymus sylvaticus* (FABRICIUS, 1775)

R. Flor 1860 (*Pachymerus (Pachymerus) sylvaticus* FABR.), Saars 1931, Spuris 1951 (*D. sylvaticus* F.), 1952 (*D. sylvaticus* F.), 1953 (*D. sylvaticus* F.), 1957 (*D. sylvaticus* F.), Spuņģis 2005.

M. No new records.

Remarks. The species is rather rare, prefers dry habitats.

*Eremocoris abietis* (LINNAEUS, 1758)

R. Flor 1860 (*Pachymerus (Pachymerus) erraticus* FABR.), Saars 1931 (*E. erraticus* FABR.), Spuris 1951 (*E. abietis* L. (*erraticus* F.)), Spuņģis 2005.

M. Rīga city: Burch ciems (Bergī), 02.05.1945, 1 ind., leg. Z.Spuris. Rīga distr.: Babīte, 16.05.2007, mixed forest, 1 ind., 18.05.2007, under rotten birch bark, 1 ind., 06.06.2007, mixed forest, 1 ind.; Bajāri, 23.04.1943, 4 ind., leg. Z.Spuris; Mangaļsala, 31.08.2004, pine forest, 2 ind.; Salaspils, 06.05.2007, dry meadow, 2 ind.; Vaivari, 11.09.1956, on *Arctostaphylos uva-ursi*, 4 ind., leg. Z.Spuris. Talsi distr.: Kolka, 11-18.07.2004, pitfall traps, pine forest, 1 ind. Tukums distr.: Antiņciems, 12.10.2005, deciduous forest, 1 ind. Valmiera distr.: Mazsalaca, 15.06-17.07.1993, pitfall traps, pine forest, 3 ind., 01.09.1993, pine forest, 4 ind.

Remarks. The species is common, widely distributed, most often in pine forests and dunes.

*Eremocoris plebejus* (FALLÉN, 1807)

R. Flor 1860 (*Pachymerus (Pachymerus)*

*plebejus* FALL.), Saars 1931, Spuņģis 2005.

M. Cēsis distr.: Suda bog, 26.05-27.06.2001, pitfall traps, bog pine forest, 2 ind., 05.06-05.07.2002, pitfall traps, bog pine forest, 1 ind., 18.05-14.06.2003, pitfall traps, bog pine forest, 3 ind.; Taurene, 21.05-18.06.2000, pitfall traps, spruce forest, 4 ind.; Taurene, 26.05-24.06.2001, pitfall traps, pine forest, 6 ind. Liepāja distr.: Rucava, 20.05-17.06.2000, pitfall traps, pine forest, 2 ind., spruce forest, 1 ind., 27.05-25.06.2001, pitfall traps, pine forest, 1 ind. Madona distr.: Bērzaune graveyard, 08.08.2007, on building, 1 ind. Rīga city: Buļļusala, S part, 14.07.1951, 1 ind., leg. Z.Spuris; Buļļusala, 21.05-18.06.2003, pitfall traps, dunes, 2 ind., leg. J.Gailis; Buļļusala, 20.04.2004, beach, 1 ind. Rīga distr.: Daugmale, 08.10.2006, pine forest, 1 ind.; Ķemeri bog, 28.04-27.05.2001, pitfall traps, pine forest, 1 ind., 16.05-13.06.2003, pitfall traps, pine forest, 1 ind.; Salaspils, 2006, meadow, 1 ind., leg. I.Salmane. Talsi distr.: Kolka, 07.1999, pine forest, 2 ind., 11-18.07.2004, pitfall traps, pine forest, 1 ind.; Slītere, 18.10.2008, spruce forest soil, 1 ind., pine forest soil, 5 ind. Tukums distr.: Apšuciems, 07.05.2003, pine forest, 1 ind.; Krievragciems, 01.05.1958, 1 ind., leg. Z.Spuris. Valmiera distr.: Mazsalaca, 10.07.1989, pine forest, 1 ind., 01.09.1993, pine forest, 9 ind., 18.08.2008, pine forest, 1 ind., leg. I.Salmane.

Remarks. The species is common, widely distributed in different habitats, most often in pine forests and dunes.

*Eremocoris podagricus* (FABRICIUS, 1775)

R. Flor 1860 (*Pachymerus* (*Pachymerus*) *podagricus* FABR.), Spuris 1952, 1953.

M. No recent records.

Remarks. The species is rare.

*Gastrodes abietum* BERGROTH, 1914

R. Flor 1860 (*Pachymerus* (*Ancylopus*) *ABIETIS* LINN.), Saars 1931 (*G. abietis* L.), Spuris 1953 (*G. abietis* L.), 1957 (*G. abietis* L.), Ozols 1985.

M. Ogre distr.: Ogre, 04.03.1979, spruce cones, 1 ind.; Talsi distr.: Dundaga 12.2008, spruce cones, 1 ind., leg. E.Ošiņš.

Remarks. The food plant – *Picea abies* is common in Latvia, but few individuals of *G. abietis* were collected. The species has to be

common.

*Gastrodes grossipes* (DEGEER, 1773)

R. Flor 1860 (*Pachymerus* (*Ancylopus*) *ferrugineus* LINN.), Saars 1931 (*G. ferrugineus* L.), Spuris 1951 (*G. ferrugineus* L.), 1952 (*G. ferrugineus* L.), 1953 (*G. ferrugineus* L.), 1957 (*G. ferrugineus* L.), Ozols 1985.

M. Cēsis distr.: Taurene, 26.05-24.06.2001, pitfall traps, spruce forest, 1 ind. Madona distr.: Teiči bog, 21.09.1993, raised bog, 1 ind. Ogre distr.: Ogre, 26.04.1957, river bank, 1 ind., leg. Z.Spuris. Preiļi distr.: Turki parish, Līvāni meadow, 15-29.05.2005, yellow traps, mesophytous meadow, 1 ind., leg. G.Malceniece. Rīga city: Berģi, at Jugla lake, 06.04.1952, 10 ind., leg. Z.Spuris; Dārziņi, 06.05.1992, heath land, 1 ind., leg. Z.Spuris; Dzegužkalns, 19.04.2003, park, 1 ind.; Ķengarags, 28.03.2007, on building, 1 ind. Rīga distr.: Asari, 06.04.1974, on ground, 1 ind., leg. Z.Spuris; Babīte, 16.05.2007, pine forest, 1 ind.; Mangaļsala, 31.08.2004, pine forest, 1 ind.; Priedaine, 20.12.1992, 1 ind., leg. Z.Spuris. Valmiera distr.: Mazsalaca, 30.10.1992, pine forest, 1 ind.

Remarks. The species is common, widely distributed.

*Ischnocoris angustulatus* (BOHEMAN, 1853)

R. Flor 1860 (*Pachymerus* (*Pachymerus*) *oculatus* m.), Saars 1931 (*I. angustulus* BOH.).

M. Ventspils distr.: Ovīši, 07.09.2006, pine forest, 1 ind., leg. I.Salmane. Rīga distr.: Ādaži, near Puska river, 23.09.2006, birch forest, 1 ind., leg. I.Salmane.

Remarks. The species is very rare. No individual presents in A.Saars collection, and recent records confirm a presence of species in Latvia.

*Ischnocoris hemipterus* (SCHILLING, 1829)

R. Flor 1860 (*Pachymerus* (*Pachymerus*) *hemipterus* SCHILL.), Saars 1931.

M. No recent records.

Remarks. The species is very rare.

*Lamproplax picea* (FLOR, 1860)

R. Flor 1860 (*Pachymerus* (*Pachymerus*) *piceus* m.), Saars 1931 (*Drymus piceus* FLOR).

M. Ventspils distr.: Pope, 31.07.2003, *Molinia*



*caerulea* meadow, 1 ind.

Remarks. The species is very rare.

*Scolopostethus affinis* (SCHILLING, 1829)

R. Spuris 1951, 1952.

M. No recent records.

Remarks. The species is very rare.

*Scolopostethus decoratus* (HAHN, 1833)

R. Saars 1931, Spuris 1953.

M. Cēsis distr.: Suda bog, 05.06-05.07.2002, pitfall traps, raised bog, 1 ind., Suda bog, 18.05-14.06.2003, pitfall traps, raised bog, 1 ind. Jēkabpils distr.: at Laukezers lake, 16.12.2006, black alder forest, 1 ind. Madona distr.: Teiči bog, raised bog, 12.08.1988, 1 ind., 14.06.1991, 3 ind., 15.09.1991, 1 ind., 27.09.1991, 1 ind., 11.10.1991, 1 ind. Rīga distr.: Ķemeri bog, 31.08-10.09.1999, pitfall traps, pine forest, 1 ind., 14.05-11.06.2000, pitfall traps, raised bog, 2 ind., 06-20.08.2000, pitfall traps, raised bog, 1 ind., 04.06-05.07.2002, pitfall traps, raised bog, 1 ind., 05.06-04.07.2004, pitfall traps, bog pine forest, 1 ind., 23.09.2005, netting, raised bog, 1 ind. Tukums distr.: Lestene parish, Priedulāji, 30.06-28.07.2007, pitfall traps, mesophytous meadow, 1 ind., leg. L.Jukāme. Ventspils distr.: Vasenieki bog, 21.05-18.06.2005, pitfalls, raised bog, 1 ind.

Remarks. The species is common, distributed mainly in raised bogs.

*Scolopostethus pictus* (SCHILLING, 1829)

R. Saars 1931, Spuris 1951

M. Aizkraukle distr.: Skrīveri, 29.06-06.07.1989, pitfall traps, mesophytous meadow, 1 ind., leg. D.Volkov.

Remarks. The species is rare.

*Scolopostethus pilosus* REUTER, 1874

R. Spuris 1951, 1953.

M. Jelgava distr.: Jēkabnieki parish, Pumpuri, 12.07.1945, 1 ind., leg. Z.Spuris. Krāslava distr.: Ezernieki, Pahatnieki oak forest, 08.10.2005, broadleaved forest, 1 ind. Kuldīga distr.: Diļļu meadows, 27.06-24.07.2004, pitfall and yellow traps, calcareous meadow, 3 ind. Liepāja distr.: Vītiņi meadows, 27.06-24.07.2004, pitfall traps, calcareous meadow, 1 ind. Preiļi distr.: Jāņupe river valley, 09.10.2005, white alder floodplain forest, 1 ind.

Talsi distr.: Slītere, 11-18.07.2004, pitfall traps, broadleaved forest, 1 ind. Tukums distr.: Antiņciems, 25.03.2003, calcareous fen, 1 ind.

Remarks. The species is rather rare, distributed mostly in deciduous forests, calcareous meadows and fens.

*Scolopostethus puberulus* HORVATH, 1887

R. Spuris 1953.

M. Aizkraukle distr.: Stukmaņi, 08.10.2005, calcareous broadleaved forest, 1 ind. Talsi distr.: Saunags, 11-18.07.2004, pitfall traps, black alder forest, 12 ind.; Slītere, 11-18.07.2004, pitfall traps, broadleaved forest, 1 ind. Tukums distr.: Antiņciems, 12.10.2005, broadleaved forest, 2 ind.; Lestene parish, Priedulāji, 30.06-28.07.2007, pitfall traps, mesophytous meadow, 3 ind., leg. L.Jukāme.

Remarks. The species is rather rare, distributed mostly in deciduous forests.

*Scolopostethus thomsoni* REUTER, 1874

R. Saars 1931 (*S. Thomsoni* REUT.), Spuris 1951, 1952, 1953, 1957.

M. Aizkraukle distr.: Ērberģe, 15.10.2006, deciduous forest, 1 ind.; Krasti, 15.10.2006, broadleaved forest, 1 ind.; Nereta-Aizkraukle crossroad, 15.10.2006, wet poplar forest, 1 ind.; Sauka, 15.10.2006, broadleaved forest, 4 ind.; Skrīveri, mesophytous meadow, pitfall traps, 17-23.05.1989, 2 ind., 22-29.06.1989, 1 ind., 01.10.1992, 2 ind., leg. D.Volkov. Cēsis distr.: Inesis lake, deciduous forest, pitfall traps, Jēkuļi island, 31.07-14.08.2003, 1 ind., Siena island, 6 ind., leg. L.Irša; Inesis lake, Žīdīte island, 29.05-26.06.2004, pitfall traps, deciduous forest, 3 ind., leg. L.Irša; Lodesmuiža, 01-06.07.2006, pitfall traps, birch-white alder forest edge, 1 ind., leg. I.Puzarele, N.Stasjukeviča. Jelgava distr.: Jēkabnieki parish, Pumpuri, 12.07.1945, 2 ind., 15.07.1951, 3 ind., leg. Z.Spuris. Kuldīga distr.: Diļļu meadows, 27.06-24.07.2004, pitfall traps, calcareous meadow, 1 ind. Liepāja distr.: Nida bog, 17.05-13.06.2003, pitfall traps, raised bog, 1 ind. Limbaži distr.: Liepupe, 20.05.2007, on building, 1 ind. Madona distr.: Teiči bog, 28.05.1993, on road, 1 ind. Preiļi distr.: Turki parish, Līvāni meadow, 01.05-24.07.2005, yellow traps, mesophytous meadow, 5 ind., leg. G.Malceniece. Rīga city: Bergī, at Jugla lake, 05.10.1951, 2 ind., leg.

V.Šmits; Dārziņi, 01.05.2004, garden, 1 ind.; Kleisti, 08.04.2007, old landfill, 1 ind.; Ķīpsala, 25.07.1979, on *Urtica dioica*, 2 ind., leg. Z.Spuris; Mārupe, 01.07.2004, black alder forest, 3 ind., 01-09.07.2004, pitfall traps, broadleaved forest, 8 ind.; Nordeķi park, 14.09.2003, compost, 1 ind. Rīga distr.: Babīte, 04-18.06.2004, pitfall traps, pine forest, 1 ind., leg. U.Kondratovičs; Babīte, 06.06.2007, mixed forest, 5 ind., 16.05.2007, mixed forest, 10 ind. 20.06.2007, mixed forest, 2 ind.; Doles sala, 20.08.2007, calcareous deciduous forest, 3 ind.; Ķemeri bog, 28.04-27.05.2001, pitfall traps, bog pine forest, 1 ind.; Ķemeri, 22.07.1951, 1 ind., leg. Z.Spuris; Priedaine, 18.05.2007, wet meadow, 1 ind.; Salaspils, 07.09.2006, broadleaved forest, 3 ind., 27.09.2006, 1 ind. Talsi distr.: Dundaga, 28.10.2006, deciduous forest, 1 ind.; Kolka, 14.07.2004, dry meadow, 1 ind.; 20.07.2004, black alder forest, 3 ind., leg. Z.Striķe; Kolka, 15.07.2007, wet meadow, 4 ind.; Saunags, 11-18.07.2004, pitfall traps, black alder forest, 12 ind.; Slītere, 11-18.07.2004, pitfall traps, broadleaved forest, 1 ind. Tukums distr.: Antiņciems, 12.10.2005, broadleaved forest, 4 ind.; Slampe, 28.10.2006, deciduous forest, 3 ind.  
Remarks. The species is very common in variety of habitats.

Gonianotini STÅL, 1872

*Gonianotus marginepunctatus* (J.F.WOLFF, 1804)

R. Spuņģis 2005.

M. Liepāja distr.: Ziemeupe, 15.05-17.09.2006, pitfall traps, dunes, 38 ind., leg. I.Cera; 11.06.2006, 2 ind. Rīga distr.: Kalngale, 28.08.1973, 1 ind., leg. A.Karpa.

Remarks. The species is rare, restricted to dune habitats of Maritime Lowland.

*Macrodema micropterum* (CURTIS, 1836)

R. Saars 1931, Spuris 1951, 1957, Spuņģis 2005.

M. Cēsis distr.: Suda bog, 18.05-14.06.2003, pitfall traps, raised bog, 6 ind. Liepāja distr.: Nida bog, 17.05-13.06.2003, pitfall traps, raised bog, 1 ind.; Rucava, 20.05-17.06.2000, pitfall traps, pine forest, 1 ind. Rīga city: Burch ciems (Berģi), 02.05.1945, 2 ind., leg. Z.Spuris. Rīga distr.: Ādaži, near Puska river, 23.09.2006,

birch forest, 2 ind., leg. I.Salmane; Ķemeri bog, 31.08-10.09.1999, pitfall traps, bog pine forest, 1 ind.; 20.08-03.09.2000, pitfall traps, raised bog, 1 ind. Talsi distr.: Baži bog, 16.05-13.06.2003, pitfall traps, raised bog, 1 ind. Ventspils distr.: Irbene, 16.08.2006, pine forest, 2 ind., leg. I.Salmane; Klāņi bog, 21.05-18.06.2005, pitfalls, raised bog, 3 ind.; Vasenieki bog, 21.05-18.06.2005, pitfalls, raised bog, 1 ind.

Remarks. The species is rather common in raised bogs and pine forests.

*Pionosomus varius* (J.F.WOLFF, 1804)

R. Flor 1860 (*Pachymerus (Pachymerus) varius* WOLFF), Saars 1931, Spuris 1951, 1957, Spuņģis 2005.

M. Tukums distr.: Krievragciems, 15.08.1958, 1 ind., leg. V.Šmits. Liepāja distr.: Pērkone, 05.07.2003, dunes, 3 ind.; Ziemeupe, 16.04-01.10.2006, pitfall traps, dunes, 70 ind., leg. I.Cera. Madona distr.: Ļaudona, 16.08.2006, meadow, 1 ind., leg. I.Salmane. Rīga city: Burch ciems (Berģi), 02.05.1945, 2 ind., leg. Z.Spuris. Rīga distr.: Ādaži, near Puska river, 23.09.2006, dry meadow, 1 ind., leg. I.Salmane.  
Remarks. The species is rather common in dry habitats.

*Pterotmetus staphyliniformis* (SCHILLING, 1829)

R. Flor 1860 (*Pachymerus (Pachymerus) staphylinoides* BURM.) (*Staphyliniformis* SCHILL.), Saars 1931 (*P. staphylinoides* BURM.), Spuris 1953.

M. Preiļi distr.: Turki parish, Līvāni meadow, 01-15.05.2005, yellow traps, mesophytous meadow, 1 ind., leg. G.Malceniece. Rīga city: Dārziņi, 25.07.1975, dry meadow, 1 ind., leg. R.Varzinska. Rīga distr.: Ķemeri bog, 16-30.04.2000, pitfall traps, raised bog, 2 ind., 25.06-09.07.2000, pitfall traps, bog pine forest, 1 ind., 05.06-04.07.2004, pitfall traps, bog pine forest, 1 ind. Ventspils distr.: Vasenieki bog, 21.05-18.06.2005, pitfalls, raised bog, 1 ind.

Remarks. The species is rather rare, restricted to raised bogs and pine forests.

*Trapezonotus anorus* (FLOR, 1860)

R. Flor 1860 (*Pachymerus (Pachymerus) anorus* m.), Saars 1931 (*Gnopherus anorus* FLOR), Spuris 1952, 1953, 1957, Spuņģis 2005.

M. Liepāja distr.: Ziemeļe, 15.05-15.06.2001, pitfall traps, dunes, 9 ind., leg. J.Gailis, 01.05-06.08.2006, pitfall traps, dunes, 6 ind., leg. I.Cera. Rīga city: Burch ciems (Berģi), 02.05.1945, 1 ind., leg. Z.Spuris; Biķernieki, 11.09.1952, 1 ind., leg. Z.Spuris; Dārziņi, 03.08.1973, forest meadow, 1 ind., leg. A.Kacēna. Rīga distr.: Ādaži, near Kadaga lake, 23.09.2006, pine forest, 2 ind., leg. I.Salmane; at Lielais Baltezers lake, 18.06.1952, 1 ind., leg. Z.Spuris; Babīte, 13.05.2007, dry meadow, 1 ind. Tukums distr.: Engure lake, Garrova island, 19.05.1958, 4 ind., leg. Z.Spuris; Krievragciems, 01.05.1958, 3 ind., leg. Z.Spuris.  
Remarks. The species is rather common in variety of habitats.

*Trapezonotus arenarius* (LINNAEUS, 1758)

R. Flor 1860 (*Pachymerus (Pachymerus) agrestis* FALL.), Saars 1931, Spuris 1951, 1952, 1953, 1957, Spuņģis 2005 (*T. arenarius*, misidentified as *T. desertus*).

M. Cēsis distr.: Lodesmuiža, 09-15.07.2003, pitfall traps, dry meadow, 30 ind., leg. D.Čakstiņa; Suda bog, 18.05-14.06.2003, pitfall traps, bog pine forest, 1 ind.; Taurene, 21.05-18.06.2000, pitfall traps, spruce forest, 1 ind.; Taurene, 13-14.07.2003, pitfall traps, mesophytous meadow, 2 ind., leg. U.Bērziņa, I.Heinsberga. Liepāja distr.: Pape, 18-30.06.2001, pitfall traps, dunes, 1 ind., leg. L.Diedišķe; Rucava, 23.05-20.06.1998, pitfall traps, pine forest, 1 ind.; Ziemeļe, 15.05.2001, beach, 1 ind., 28.05-23.07.2006, pitfall traps, dunes, 5 ind., leg. I.Cera. Limbaži distr.: Randa meadows, 16.07.2004, meadow, 1 ind. Madona distr.: Bērzaune graveyard, 08.08.2007, on building, 1 ind. Rīga city: Buļļusala, S part, 14.07.1951, 3 ind., leg. Z.Spuris; Burch ciems (Berģi), 02.05.1945, 3 ind., 31.05.1949, forest, 1 ind., leg. Z.Spuris; Brāļu kapi graveyard, 28.08.1973, 2 ind., leg. Z.Spuris; Dārziņi, garden, 20.04.2003, 3 ind., 01.05.2004, 1 ind., 20.08.2006, 1 ind.; Jēkaba Str., 27.04.2007, on building, 1 ind.; Kronvalda park, 20.08.2007, on ground, 1 ind.; Ķengarags, 28.03.2007, on building, 9 ind.; Mārupe, 07.08.1973, abandoned meadow, 1 ind., leg. A.Kacēna; Pleskodāle graveyard, 24.08.1973, 4 ind., leg. Z.Spuris; Šķirotava, 09.08.1973, dry meadow, 1

ind., leg. A.Kacēna. Rīga distr.: at Lielais Baltezers lake, 27.07.1951, 1 ind., 28.06.1952, 1 ind., leg. Z.Spuris; at Lielupe river mouth, 29.07.1973, 1 ind., leg. Z.Spuris; Babīte, 13.05.2007, dry meadow, 2 ind.; Doles sala, 01.04.1992, on building, 1 ind., leg. M.Kalniņš; Gauja river valley at Sigulda, 28.07.1970, 1 ind., leg. Z.Spuris; Gauja river valley, Bišu meadow, 26.05.1970, 2 ind., leg. Z.Spuris; Ķemeri bog, 11-25.06.2000, pitfall traps, bog pine forest, 1 ind.; 06-20.08.2000, 1 ind.; Priedaine, 19.05.2007, dry meadow, 2 ind.; Salaspils, 21.09.2005, deciduous forest, 1 ind., 06.05.2007, dry meadow, 1 ind.; Salaspils, Botanical garden, 16.04.1993, 1 ind., leg. Z.Spuris; Vecāķi, 15.08.1956, on *Arctostaphylos uva-ursi*, 1 ind., leg. Z.Spuris. Talsi distr.: Kolka, 05.07.2004, dry meadow, 1 ind., 11-18.07.2004, pitfall traps, dry meadow, 1 ind., 14.07.2004, dry meadow, 4 ind., 20.07.2005, pine forest, 1 ind., 15.07.2007, dry meadow, 1 ind. Tukums distr.: Čužas bog, 10.03.2007, on spruce trunk, 1 ind. Valmiera distr.: Strenči, 05.08.2006, pine forest, 1 ind.; Strenči, 17.06.2007, pine-birch forest, 2 ind.  
Remarks. The species is very common in Latvia in different dry habitats.

*Trapezonotus dispar* STÅL, 1873

M. Liepāja distr.: Ziemeļe, 15.05-15.06.2001, pitfall traps, dunes, 19 ind., leg. J.Gailis; Pape, 15.05-13.06.2002, pitfall traps, dunes, 6 ind., leg. J.Gailis.  
Remarks. The species is new to the fauna of Latvia, restricted to dunes in the very southwest of Latvia.

Megalonotini SLATER, 1957

*Megalonotus antennatus* (SCHILLING, 1829)

R. Flor 1860 (*Pachymerus (Pachymerus) antennatus* SCHILL.), Saars 1931 (*Rhyparochromus antennatus* SCHILL.), Spuris 1953 (*Rh. antennatus* SCHILL.).  
M. Liepāja distr.: Diļļu meadows, 27.06-24.07.2004, pitfall traps, calcareous meadow, 3 ind. Madona distr.: Stirniene, 16.08.2006, meadow, 1 ind., leg. I.Salmane. Ogre distr.: Kaibala, 16.08.2006, meadow, 1 ind., leg. I.Salmane. Tukums distr.: Lestene parish, Priedulāji, 26.05-11.09.2007, pitfall traps, mesophytous meadow, 4 ind., leg. L.Jukāme.

Remarks. The species is rather rare, recorded in the meadows.

*Megalonotus chiragra* (FABRICIUS, 1794)

R. Saars 1931 (*Rhyparochromus chiragra* F.), Spuris 1952 (*Rh. chiragra* F.), Spuņģis 2005.

M. Cēsis distr.: Lodesmuiža, 09-15.07.2003, pitfall traps, dry meadow, 1 ind., leg. D.Čakstiņa. Liepāja distr.: Pape, 15.05-13.06.2002, pitfall traps, dunes, 1 ind., leg. J.Gailis; Pērkone, 21.05-18.06.2003, pitfall traps, dunes, 1 ind., leg. J.Gailis. Liepāja distr.: Vītiņi meadows, 27.06-24.07.2004, pitfall traps, calcareous meadow, 1 ind.; Ziemupe, 21.05-18.06.2003, pitfall traps, dunes, 1 ind., leg. J.Gailis, 20.08-03.09.2006, pitfall traps, dunes, 1 ind., leg. I.Cera. Rīga city: Buļļusala, 04.07.2007, wet meadow, 1 ind.; between Zaslauks and Torņakalns, 07.08.1973, 1 ind., leg. Z.Spuris; Dārziņi, 03.08.1973, forest clearing, 1 ind., leg. A.Kacēna; Kronvalda park, 02.08.2006, on building, 1 ind., 06.06.2007, on building, 1 ind. Rīga distr.: Asari, 10.08.1981, 3 ind., leg. Z.Spuris; Gauja river valley, Cūkaiņi meadow, 30.06.1970, 6 ind., leg. Z.Spuris; Salaspils, 10.08.1973, on clayish soil, 1 ind., leg. A.Kacēna; Salaspils to the SE, 24.05.1993, on dresses, 1 ind., leg. Z.Spuris.

Remarks. The species is rather common in different habitats.

*Megalonotus emarginatus* (REY, 1888)

M. Alūksne distr.: Randati cliffs, 17.08.2006, calcareous broadleaved forest, 1 ind. Bauska distr.: Jumpravmuiža, 09.11.2005, calcareous broadleaved forest, 1 ind. Cēsis distr.: Lodesmuiža, 01-06.07.2006, pitfall traps, birch-white alder forest edge, 1 ind., leg. I.Puzarele, N.Stasjukeviča. Krāslava distr.: Ezernieki, Pahatnieki oak forest, 08.10.2005, broadleaved forest, 1 ind. Liepāja distr.: Ziemupe, 28.05-11.06.2006, pitfall traps, dunes, 1 ind., leg. I.Cera. Preiļi distr.: Turki parish, Līvāni meadow, 01-15.05.2005, yellow traps, mesophytous meadow, 3 ind., leg. G.Malceniece. Rīga city: Ķengarags, 28.03.2007, on building, 6 ind. Tukums distr.: Lestene parish, Priedulāji, 28.07-23.09.2007, pitfall traps, mesophytous meadow, 4 ind., leg. L.Jukāme.

Remarks. The specie is new to the fauna of

Latvia, distributed in the variety of habitats.

*Sphragisticus nebulosus* (FALLÉN, 1807)

R. Flor 1860 (*Pachymerus (Pachymerus) nebulosus* FALL.), Saars 1931 (*P. (P.) nebulosus* FALL.), Spuris 1951, Spuņģis 2005.

M. Liepāja distr.: Ziemupe, 01-14.05.2006, pitfall traps, dunes, 1 ind., leg. I.Cera. Rīga city: Bergi, at Jugla lake, 05.10.1951, 6 ind., leg. Z.Spuris; Ķengarags, 28.03.2007, on building, 2 ind.; Rumbula, 27.03.2007, park, 1 ind. Talsi distr.: Kolka, 20.04.2004, beach, 6 ind., leg. N.Pētersons.

Remarks. The species is rather rare, restricted to the coastal dunes and pine forests of the Maritime Lowland.

*Rhyparochromini* AMYOT et SERVILLE, 1843

*Graptopeltus lynceus* (FABRICIUS, 1775)

Flor 1860 (*Pachymerus (Pachymerus) lynceus* FABR.), Saars 1931, Spuris 1953 (*Aphanus lynceus* F.).

M. No recent records.

Remarks. The species is rare, restricted to the coastal dunes and pine forests of the Maritime Lowland.

*Raglius alboacuminatus* (GOEZE, 1778)

Flor 1860 (*Pachymerus (Pachymerus) pedestris* PANZ.), Saars 1931 (*Aphanus alboacuminatus* GOEZE).

M. Rīga distr.: Rīga-Liepāja highway 25<sup>th</sup> km, 11.04.2007, under rotten birch bark, 7 ind.

Remarks. The species is very rare.

*Rhyparochromus pini* (LINNAEUS, 1758)

R. Flor 1860 (*Pachymerus (Pachymerus) Pini* LINN.), Saars 1931 (*Aphanus pini* L.), Spuris 1951 (*A. pini* L.), 1957 (*A. pini* L.), Spuņģis 2005.

M. Cēsis distr.: Lodesmuiža, 09-15.07.2003, pitfall traps, dry meadow, 1 ind., leg. D.Čakstiņa; Suda bog at Zviedri lake, 31.07.1971, 1 ind., leg. A.Kacēna; Suda bog, 05.06-05.07.2002, pitfall traps, raised bog, 1 ind.; Suda bog, 18.05-14.06.2003, pitfall traps, bog pine forest, 1 ind. Jelgava distr.: Jēkabnieki parish, Pumpuri, 26.05.1972, on *Taraxacum officinale*, 1 ind., 28.06.1972, on *Trifolium vulgare*, 1 ind., leg. Z.Spuris; Smedēni, 03.09.1970, 1 ind., leg. Z.Spuris. Krāslava

distr.: at Drīdzis lake, 30.08.1952, on *Origanum vulgare*, 4 ind., leg. Z.Spuris. Kuldīga distr.: Lēnas, 13.08.2007, river bank, 1 ind., leg. A.Skuja. Liepāja distr.: Ziemeļi, 30.08.2001, dunes, 1 ind. Madona distr.: Sildas, 02.10.1992, dry meadow, 1 ind., leg. G.Akmentiņš; Teiči bog, raised bog, 27.09.1991, 1 ind., 05.06.1992, pitfall traps, 2 ind., 06.08.1992, pitfall traps, 1 ind.; near Veseta river, 15.06.2005, pine forest, 1 ind.; Vestiena, 08.08.2007, dry meadow, 1 ind. Rīga city: Burch ciems (Bergī), 02.05.1945, 3 ind., leg. Z.Spuris; at Dambja purvs lake, 02.05.1949, 2 ind., leg. Z.Spuris; Biķernieki, 11.09.1952, 2 ind., leg. Z.Spuris; Dārziņi, 09.06.1992, 1 ind., leg. Z.Spuris; 01.05.2004, garden, 1 ind.; Kleisti, 14.04.1952, 5 ind., leg. Z.Spuris; Kronvalda park, 24.10.2006, 1 ind.; Ķengarags, 28.03.2007, on building, 5 ind.; Pleskodāle graveyard, 24.08.1973, 1 ind., leg. Z.Spuris; Rīga, 05.04.1943, 1 ind., 12.04.1943, 2 ind., leg. Z.Spuris; Rumbula, 07.05.1993, 1 ind., leg. Z.Spuris. Rīga distr.: at Dūņezers lake, 30.08.1973, forest edge, 2 ind., leg. A.Kacēna; Babīte, 16.05.2007, under rotten birch bark, 1 ind.; Carnikava, 14.08.1953, 13 ind., leg. Z.Spuris; Cekule, 19.04.2003, meadow, 1 ind., leg. D.Telnov; Doles sala, 07.03.1992, park, 1 ind., leg. M.Kalniņš; Garupe, 29.08.1973, forest edge, 1 ind., leg. A.Kacēna; Gauja river valley, Kalna meadow, 03.09.1970, 2 ind., leg. Z.Spuris; Getliņi bog, 22.06.1950, 1 ind., leg. Z.Spuris; Ķemeri bog, 16-30.04.2000, pitfall traps, raised bog, 1 ind.; Pabaži, 17.08.1967, 1 ind., leg. Z.Spuris; Salaspils, 22.05.1974, meadow, 1 ind., 30.07.1975, ditch, 1 ind., leg. R.Varzinska; 06.05.2007, on road, 1 ind.; Salaspils Botanical garden, 16.04.1993, 1 ind., leg. Z.Spuris; Saulkrasti, 30.08.1973, dunes, 1 ind., leg. A.Kacēna; Vecāķi, 15.08.1956, on *Arctostaphylos uva-ursi*, 2 ind., leg. Z.Spuris. Talsi distr.: Kolka, 27.07.2006, dry meadow, 1 ind. Tukums distr.: Antiņciems, 12.10.2005, calcareous fen, 1 ind.; at Engure lake, 07.08.1960, 1 ind., leg. Z.Spuris. Tukums distr.: Krievragciems, 01.05.1958, 2 ind., leg. Z.Spuris; Lestene parish, Priedulāji, 31.03-30.06.2007, pitfall traps, mesophytous meadow, 7 ind., leg. L.Jukāme.

Remarks. The species is very common in variety of habitats.

*Rhyparochromus vulgaris* (Schilling, 1829)

M. Rīga city: Citadeles Str., 11.01.2006, on building, 1 ind.; Kronvalda park, 10.11.2006, inside building, 1 ind.

Remarks. The species is new to the fauna of Latvia and very rare.

*Peritrechus angusticollis* (R.F.SAHLBERG, 1848)

M. Liepāja distr.: Vītiņi meadows, 27.06-24.07.2004, yellow traps, calcareous meadow, 1 ind.

Remarks. The species is new to the fauna of Latvia and very rare.

*Peritrechus distinguendus* (FLOR, 1860)

R. Flor 1860 (*Pachymerus (Pachymerus) distinguendus* m.), Saars 1931 (*Trapezonotus distinguendus* FLOR).

M. Kuldīga distr.: Diļļu meadows, 27.06-24.07.2004, yellow traps, calcareous meadows, 2 ind. Rīga distr.: at Ķīšezers lake, 16.06.1952, 1 ind., leg. Z.Spuris.

Remarks. The species is very rare.

*Peritrechus geniculatus* (HAHN, 1832)

Kuldīga distr.: Diļļu meadows, 27.06-19.07.2003, yellow traps, calcareous meadow, 4 ind., leg. G.Malceniece, 27.06-24.07.2004, 1 ind. Liepāja distr.: Pape, 02.10.2004, dunes, 1 ind.; Pāvilosta, 21.05-18.06.2003, pitfall traps, dunes, 1 ind., leg. J.Gailis; Vītiņi meadows, 27.06-19.07.2003, yellow traps, calcareous meadow, 1 ind., leg. G.Malceniece; Ziemeļi, 15.05-15.06.2001, pitfall traps, dunes, 1 ind., leg. J.Gailis. Rīga city: Ķengarags, 28.03.2007, on building, 1 ind. Rīga distr.: at Ķīšezers lake, 03.07.1962, 1 ind., leg. Z.Spuris. Talsi distr.: Ēvarži, 21.07.2004, heath land, 1 ind.; Kolka, 07.07.2004, dry meadow, 1 ind., leg. Dz.Rozītis, 14.07.2004, dry meadow, 3 ind. Tukums distr.: Krievragciems, 15.08.1958, 1 ind., leg. V.Šmits. Remarks. The species is new to the fauna of Latvia, rather rare.

*Peritrechus nubilus* (FALLÉN, 1807)

R. Flor 1860 (*Pachymerus (Pachymerus) nubilus* FALL.), Saars 1931, Spuņģis 2005.

M. Liepāja distr.: Ziemeļi, 01-14.05.2006, pitfall traps, 1 ind., leg. I.Cera.

Remarks. The species is rare, restricted to the Maritime Lowland

*Xanthochilus quadratus* (FABRICIUS, 1798)

R. Spunģis 2005.

M. No recent records.

Remarks. The species is very rare, restricted to the very southwest of Latvia.

*Myodochini* BOITARD, 1827

*Ligyrocoris sylvestris* (LINNAEUS, 1758)

R. Flor 1860 (*Pachymerus (Plociomerus) sylvestris* LINN.), Saars 1931, Spuris 1951.

M. Cēsis distr.: Šveimaņi, 21.07.1973, raised bog, 1 ind., leg. R.Varzinska. Madona distr.: Sildas, 28.05.1993, 4 ind. Rīga distr.: Jaundubulti, 05.08.1956, pine forest, 1 ind., leg. Z.Spuris; Priedaine, 16.08.1975, meadow, 1 ind., leg. A.Karpa; Vecāķi, 15.08.1956, on *Arctostaphylos uva-ursi*, 4 ind., leg. Z.Spuris. Tukums distr.: Krievragciems, meadow, 15.08.1958, 1 ind., 02.07.1959, 2 ind., leg. V.Šmits.

Remarks. The species is rather rare.

*Pachybrachius fracticollis* (SCHILLING, 1829)

R. Flor 1860 (*Pachymerus (Plociomerus) fracticollis* SCHILL.), Saars 1931 (*Pamera fracticollis* SCHILL.), Spuris 1952, 1953, 1957.

M. Liepāja distr.: Nida bog, 17.05-13.06.2003, pitfall traps, raised bog, 3 ind.; Saka grīņi, 19.06.2004, 1 ind.; Vītiņi meadows, 11.05.2003, calcareous meadow, 1 ind. Madona distr.: Teiči bog, 28.05.1993, on *Carex* sp., 1 ind. Rīga city: island to the S of Lakstīgala island, 14.05.1950, 1 ind., leg. Z.Spuris. Rīga distr.: at Sloka lake, 06.06.1974, *caricetum*, 4 ind., leg. Z.Spuris; Doles sala, 20.08.2007, fen, 1 ind.; Garupe, 23.06.1974, meadow, 1 ind., leg. R.Varzinska; Priedaine, 07.06.1974, *caricetum*, 1 ind., leg. Z.Spuris. Talsi distr.: at Čumalas lake, 11.06.1960, 2 ind., leg. Z.Spuris; at Vēzene lake, 08.08.1960, 1 ind., leg. Z.Spuris; Engure lake, Akmeņrova island, 11.06.2005, lake litter, 1 ind.; Krievragciems, 30.05.1958, 4 ind., leg. Z.Spuris. Tukums distr.: Antiņciems, 25.03.2003, calcareous fen, 5 ind.; Engure, 26.06.1997, wet meadow, 2 ind., leg. Z.Spuris. Valka distr.: Sedas bog, 18.05-14.06.2003, pitfall traps, raised bog, 3 ind.

Remarks. The species is rather common in variety of wet habitats.

*Pachybrachius luridus* HAHN, 1826

R. Flor 1860 (*Pachymerus (Plociomerus) luridus* HAHN), Saars 1931 (*Pamera lurida* HAHN.), Spuris 1953, 1957 (*P. lurida* HAHN).

M. Liepāja distr.: Nida bog, 17.05-13.06.2003, pitfall traps, raised bog, 3 ind. Tukums distr.: Antiņciems, 25.03.2003, calcareous fen, 3 ind. Ventspils distr.: Vasenieki bog, 21.05-18.06.2005, pitfalls, raised bog, 3 ind.

Remarks. The species is rather rare, restricted to wet habitats.

## Discussion

A status of the species referred for Latvia can be clarified by revision of collections. Collections of B.A.Gimmerthal (unpublished data), of A.Saars (published data) and of Z.Spuris (partly published data) was revised.

A.Saars worked in Rīga, thus presumably all collected individuals belong to the fauna of Latvia. He did not mention sampling data. He used to write label with genus and species or just species name, then individuals below that label do not have label on pin. Some individuals have label with genus and species name on pin. Results of the revision are presented in the Table 1.

A publication of A.Saars, strictly speaking, is not scientific, but more or less popular. That means that he could publish also species what probably could be found in Latvia. At the same time a precision of identification of species was rather high (Table 1). A.Saars has mentioned the species which have much more southern distribution (e.g. *Metopoplax origani*). Moreover, several southern species are present in his collection (see notes in the Table 1) but were not included in the publication. Thus, most obvious he has got some material from the southern countries. A.Saars published data on species present in collection of B.A.Gimmerthal (*Lygaeus equestris*, *Tropidothorax leucopterus*), but absent in his collection.

A following species are excluded from the list of bugs of Latvia: *Oxycarenus modestus* (FALLÉN, 1829), *Euoxycarenus pallens* (HERRICH-SCHÄFFER, 1850), *Macroplax preyssleri* (FIEBER, 1837), *Metopoplax ditomoides* (COSTA, 1847), *Geocoris megacephalus* (ROSSI, 1790). These species are

published by A.Saars, but no individual was found in collections to prove presence of species.

A collection of B.A.Gimmerthal is poor in condition. He has written "Livland" as locality where ground bugs were collected on all species labels. Historically "Livland" includes part of the present Latvia and Estonia. Most obvious bugs were collected in Latvia as B.A.Gimmerthal worked in Riga. Results of revision are presented in the Table 2. The collection includes common species occurring

in Latvia and two "exotic" ones (*Lygaeus equestris*, *Tropidothorax leucopterus*) not recorded since that time. Pins are different in shape, thus a material was collected during longer period. Some individuals were added to the first identified and labelled individual, sometimes incorrectly.

In total, 64 Lygaeidae species are known in Latvia; of them six are found for the first time. Five species are excluded from the list because no individual were presented in the collections.

Table 1. Results of revision of A.Saars bug collection (box 34-13).

Original name on label	Correct name	Notes
Individuals below species labels, with no label on the pins		
Affinis Sch.	<i>Scolopostethus affinis</i>	1 ind.
Drymus sylvaticus	<i>Drymus ryeii</i>	1 ind.
	<i>Trapezonotus arenarius</i>	1 ind.
	<i>Trapezonotus anorus</i>	2 ind.
	<i>Geocoris ater</i>	1 ind., juv.
	<i>Destroyed ind.</i>	1 ind.
Emblethis verbasci	<i>Emblethis verbasci</i>	1 ind., not published
Eremocoris Podagricus F.	<i>Eremocoris abietis</i>	1 ind.
	<i>Eremocoris podagricus</i>	1 ind.
	<i>Rhiparochromus pini</i>	2 ind.
	<i>Eremocoris plebejus</i>	2 ind., one with label on pin "15 V"
Geocoris Grylloides	<i>Geocoris grylloides</i>	1 ind.
Ischnorhynchus Resedae Pz.	<i>Kleitocerys resedae</i>	1 ind.
Pini	<i>Rhiparochromus pini</i>	1 ind., label on pin "15 V"
Platyplax Salviae	<i>Platyplax salviae</i>	1 ind., not published
Rhopalotomus ater	<i>Gastrodes grossipes</i>	3 ind., one with label on pin "29 V"
Rhiparochroma Chiragra F.	<i>Megalonotus chiragra</i>	1 ind.
Senecionis Sch.	<i>Nysius senecionis</i>	1 ind., not published
Thymi Wlf.	<i>Nysius thymi</i>	1 ind.
Vulgaris	<i>Rhiparochromus vulgaris</i>	1 ind., not published
Individuals with species label on the pins		
Acompus Rufipes	<i>Acompus rufipes</i>	1 ind.
Aphanus alboaminatus	<i>Raglius alboacuminatus</i>	1 ind.
Aphanus Phoeniceus	<i>Rhiparochromus phaeniceus</i>	1 ind., not published
Aphanus quadratus	<i>Xanthochilus quadratus</i>	1 ind.
Beosus Luridus	<i>Beosus maritimus</i>	1 ind., not published
Cymus claviculus	<i>Cymus claviculus</i>	1 ind.
Cymus glandicolor	<i>Cymus glandicolor</i>	1 ind.
Cymys melanocephalus	<i>Cymus glandicolor</i>	1 ind.
Drymus brunneus	<i>Drymus brunneus</i>	1 ind.
Emblethis ciliatus	<i>Emblethis denticollis</i>	1 ind., not published
Gastrodes Ferrugineus	<i>Gastrodes grossipes</i>	1 ind.
Geocoris ater	<i>Geocoris ater</i>	1 ind.
Henestaris Halophilus	<i>Henestaris halophilus</i>	1 ind., not published
Heterogaster Urticae	<i>Heterogaster urticae</i>	1 ind.
Ind. without label	<i>Graptopeltus lynceus</i>	1 ind.
Metoplax origani	<i>Metoplax origani</i>	1 ind.
Nysius Lineatus	<i>Nysius helveticus</i>	1 ind.
Pamera lurida	<i>Pachybrachius luridus</i>	1 ind.
Peritrechus geniculatus	<i>Peritrechus geniculatus</i>	1 ind.
Scolopostethus Decoratus	<i>Scolopostethus decoratus</i>	1 ind.
Sphragisticus Nebulosus	<i>Sphragisticus nebulosus</i>	1 ind.
Stignocoris Pedestris	<i>Stignocoris sabulosus</i>	1 ind.
Stygnocoris Fuligineus	<i>Stygnocoris fuligineus</i>	1 ind.
Stygnocoris Rusticus	<i>Stygnocoris rusticus</i>	1 ind.
Tropistethus holicericus	<i>Tropistethus holosericeus</i>	1 ind.

Table 2. Results of revision of B.A.Gimmerthal bug collection (box 57-16).

Original name on label	Correct name	Notes
Gatt. Ophthalmus		
Ophthalm. ater	<i>Geocoris ater</i>	1 ind. ad., 1 ind. juv., 1 ind. damaged
Gatt. Cymnus		
Cymnus glandicolor Hhn	Unknown	2 ind., 1 empty pin
Gatt. Heterogaster		
Heterog. urticae Fb.	<i>Heterogaster urticae</i>	3 ind.
Heterog. punctipennis Schrb.	<i>Nysius ericae</i>	6 ind.
Gatt. Pachymerus		
Pachym. pini L.	<i>Rhyparochromus pini</i>	4 ind.
Pachym. arenarius	<i>Trapezonotus arenarius</i>	2 ind.
	<i>Sphragisticus nebulosus</i>	2 ind.
Pachym. rusticus Fall. ♀	<i>Stygnocoris rusticus</i>	1 ind., label on pin "4629"
Pachym. agrestis Fall.	<i>Trapezonotus arenarius</i>	3 ind., 1 empty pin
Pachym. Fracticollis Schill. ♀	<i>Pachybrachius fracticollis</i>	1 ind., label on pin "3610"
Pachym. sylvestris Pz.	<i>Eremocoris abietis</i>	1 ind.
	<i>Eremocoris plebejus</i>	1 ind.
Pachym. erraticus fabr.	<i>Eremocoris abietis</i>	1 ind.
Pachym. tibialis Hahn	<i>Eremocoris plebejus</i>	1 ind.
Pachym. micropterus Schill.	<i>Macrodemus micropterus</i>	1 ind., label on pin "7025"
Pachym. pedestris	<i>Eremocoris abietis</i>	1 ind.
Pachym. nebulosus Fall. ♂	<i>Sphragisticus nebulosus</i>	1 ind., label on pin "7805"
Pachym. sabulosus Schill.	<i>Trapezonotus arenarius</i>	1 ind.
Pachym. sylvatus Fau.	<i>Drymus brunneus</i>	2 ind., one with label on pin "7724"
Pachym. Abietis L.	<i>Gastrodes grossipes</i>	2 ind.
	<i>Gastrodes abietum</i>	1 ind.
	<i>Eremocoris abietis</i>	1 ind.
Pachym.	<i>Eremocoris plebejus</i>	1 ind.
Pachym.	<i>Eremocoris abietis</i>	2 ind.
Pachym. podagricus	<i>Scolopostethus decoratus</i>	3 ind., one with label on pin "7604"
Pachym. staphylinoides Born.	<i>Pterotmetus staphyliniformis</i>	1 ind., label on pin "5067"
Gatt. Lygaeus		
Lygaeus equestris L.	<i>Lygaeus equestris</i>	3 ind.
Lygaeus sp. n.	<i>Tropidothorax leucopterus</i>	1 ind.
		1 ind., separately in the collection
Lygaeus rubricatus	Unknown	1 ind., strongly destroyed
Pachymerus luridus Hahn	<i>Pachybrachius luridus</i>	1 ind., separately in the collection

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