

## **Kateretidae and Nitidulidae (Coleoptera) of the Mazovian Lowland**

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**ABSTRACT.** The state of knowledge of the Kateretidae and Nitidulidae in the Mazovian Lowland is summarized, including new records and a complete set of original literature data. In total, 9 species of Kateretidae and 79 species of Nitidulidae are listed, of which 1 species of the Kateretidae and 13 of the Nitidulidae were not previously reported.

**KEY WORDS:** Kateretidae, Nitidulidae, Mazovian Lowland, new records, faunistics.

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## INTRODUCTION

When *Catalogus Faunae Poloniae* (KFP) was published (BURAKOWSKI et al. 1986), the inventory of nitidulid fauna of the Mazovian Lowland was far from complete. The catalogue reported only 36 species out of the 110 known from Poland at that time. The Kateretidae family was relatively better known, represented by 7 species of the 15 occurring in the country. During the 30 years since that time, the number of Nitidulidae has risen to 66 species and that of the Kateretidae to 8 species, thanks to new publications (BYK et al. 1998; LASOŃ 1998a, 2004; KUBISZ et al. 2000; LASOŃ & MIŁKOWSKI 2011).

The aim of this paper is to give a summary of the current state of knowledge on the Kateretidae and Nitidulidae of the Mazovian Lowland based on published and original new data.

### Acknowledgements

We are grateful to all the collectors who have made their specimens available to us for this analysis.

### STUDY AREA AND MATERIAL

The existing and new data contained in this paper pertain to a region that is generally defined as “the Mazovian Lowland”. In the case of bibliography-based records, the borders of the area were defined in *Catalogus Faunae Poloniae* (further referred to as KFP), and the authors of data published later on both families respected these boundaries.

The new records are based on 483 specimens from private or institutional collections. Each new record is furnished with the following information: locality with UTM coordinates (in square brackets), collection method, date, specimen count, abbreviations of the collector's and identifier's names. **Curly brackets {}** are used for series of specimens with repeated collection data in order to avoid superfluous text. As regards the literature records, we list only localities with UTM coordinates and references to the original papers.

The taxonomy and nomenclature used here follow the *Catalogue of Palaearctic Coleoptera* (JELÍNEK & AUDISIO 2007), except for *Meligethes* STEPH., for which the necessary changes were made, according to a recent work of AUDISIO et al. (2009).

**Abbreviations of collectors' names:** AL – Andrzej Lasoń, DK – Daniel Kubisz, DM – Dawid Marczak, JJ - Josef Jelínek, JS – Jan Siekierski, MM – Marek Miłkowski, PT – Piotr Tykarski, WJ – Wojciech Jędryczkowski.

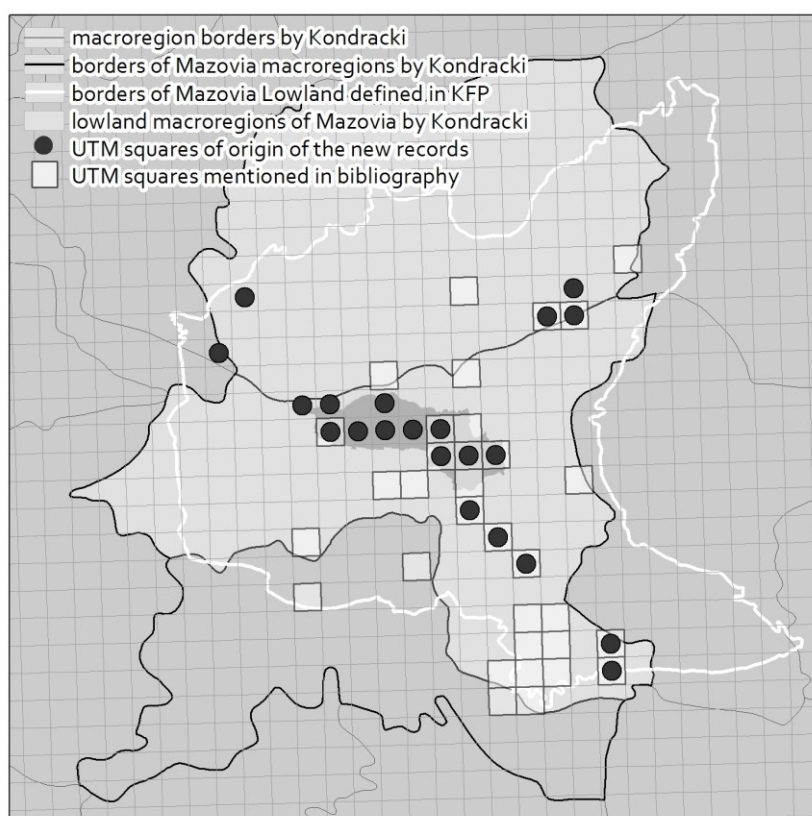
**Abbreviations of location names:** CHO – Chojnów nature reserve, BIE – Bielany Forest nature reserve (Warsaw), KNP – Kampinos National Park, NAT – Natolin Forest (Warsaw) nature reserve, OOS – Strict Protection Area, PGR – Pilawski Grąd nature reserve, PK – Kozienicka Forest, SOB – Jan III Sobieski Forest nature reserve (Warsaw).

Most of the specimens examined are deposited in three collections: those collected by DK are in the beetle collection of the Institute of Systematics and Evolution of Animals PAS, Kraków, those collected by DM are in the collection of the Kampinos National Park, and those collected by PT are in the collection of the Dept. of Ecology, University of Warsaw.

### DATA OVERVIEW AND SPECIES LIST

The geographical coverage of the Mazovian Lowland of the material presented here is not great, regardless of the definition of the region. According to the physico-geographical regionalization of Poland by KONDRACKI (2002), the lowland areas of Mazovia have different borders from those defined in KFP (Fig.). With respect to the physico-

geographical regionalization system, the Mazovian Lowland is confined to two macroregions: the Northern Mazovian Lowland and the Central Mazovian Lowland, so that the two localities mentioned in the bibliography (see below) – Rawa Mazowiecka (UTM DC43) and Stara Wieś near Grójec (UTM DC84) – can then be excluded from faunistic analyses of the Mazovian Lowland. These localities belong to the more elevated macroregion of the South Mazovian Uplands. The remaining localities fit both definitions of the Mazovian Lowland. For the KFP-defined Mazovian Lowland the relevant UTM squares cover roughly 13% of the area (42 of 331), whereas for Kondracki's definition the relevant proportion is ca 11% (40 of 349). The new data increased the number of UTM squares visited by one third (9 new as opposed to 31 squares from the existing data), covering half of the total number of sites of visited (21 UTM squares). A considerable part of the data were collected from the vicinities of Warsaw and the Kampinos National Park.



**Fig.** An overview map of the localities of the data records used. The grid displayed is UTM 10×10 km. The dark grey area in the middle marks the city of Warsaw and the Kampinos National Park.

The new data presented here allow us to add 1 kateretid and 13 nitidulid species to the list of taxa known from the Mazovian Lowland (the above-mentioned exclusion of two localities does not change the summary), increasing the count of Nitidulidae to 79 and Kateretidae to 9 known from this region.

## KATERETIDAE

### *Brachypterolus linariae* (STEPHENS, 1830)

#### New records

{1} Posiołek [EC51] ad Dęblin, 9 V 2001, 1 ex., leg. DK, det. AL; {2} KNP, leg. DM, det. AL: Niepust [DC89], in heathland, 16 VI 2010, 1 ex.; Cisowe [DC69], in a psammophilous plant community, 28 VI 2010, 3 exx.

Relatively common in the entire country; known from 11 regions.

### *Brachypterolus pulicarius* (LINNAEUS, 1758)

#### New records

Szumin [ED33] ad Łochów, 15 VII 1981, 1 ex., leg. et det. TM; Stare Budy [ED43] ad Wyszaków, 21 VI 2001, 1 ex., leg. et det. DK; KNP, Brzozówka [DC79], 28 V 2010, 1 ex., leg. DM, det. AL.

#### Literature data

Warszawa – Gocławek [EC08] (OSTERLOFF 1885 under *Brachypterus gravidus* (ILL.)).

### *Brachypterus glaber* NEWMAN, 1834

#### New records

Dęblin [EC51], 26-27 V 1995, 4 exx., leg. et det. AL.

#### Literature data

Warszawa – Olszynka Grochowska [EC08] (OSTERLOFF 1885 under *B. pubescens* ER.); Rawa Mazowiecka [DC43] (OSTERLOFF 1885); KNP (BYK et al. 1998).

### *Brachypterus urticae* (FABRICIUS, 1792)

#### New records

KNP, leg. DM, det. AL: OOS Żurawiowe [DC79], 28 VI 2010, 2 exx.; Famułki Królewskie [DC59], 28 VI 2010, 1 ex.

#### Literature data

Warszawa – Olszynka Grochowska [EC08] (OSTERLOFF 1885); Rawa Mazowiecka [DC43] (OSTERLOFF 1885); PK, Jedlnia – Letnisko [EB29] (ŁASOŃ & MILKOWSKI 2011).

***Heterhelus scutellaris* (HEER, 1841)**

**Literature data**

PK, Dąbrowa Kozłowska [EC10], PK, Grądy [EC21], PK, Siczki [EB19] (LASOŃ & MIŁKOWSKI 2011).

***Heterhelus solani* (HEER, 1841)**

**Literature data**

Warszawa – Gocławek [EC08] (OSTERLOFF 1885 under *Brachypterus rubiginosus* ER.); PK, ad Poborskie Łąki [EC20] (LASOŃ & MIŁKOWSKI 2011).

***Kateretes pedicularius* (LINNAEUS, 1758)**

**New records**

Dęblin [EC51], 28 V 1995, 1 ex., leg. et det. AL.

**Literature data**

Modlin [DD71] (OSTERLOFF 1885 under *Cercus pedicularius* L.); Warszawa – Gocławek [EC08] (OSTERLOFF 1885 under *C. pedicularius* L.).

***Kateretes pusillus* THUNBERG, 1794**

**Literature data**

Modlin [DD71] (OSTERLOFF 1885 under *Cercus bipustulatus* PAYK.), (ŁOMNICKI 1913 under *Cateretes bipustulatus* PAYK.); Warszawa – Płudy [DC99] (TENENBAUM 1931 under *Cateretes bipustulatus* PAYK.).

***Kateretes rufilabris* (LATREILLE, 1807)**

**Literature data**

Warszawa – Żerań [EC09] (TENENBAUM 1931 under *Cateretes rufilabris* LATR.); Podkowa Leśna [DC87] (TENENBAUM 1938 under *Cateretes rufilabris* a. *junci* STEPH.); Dęblin [EC51] (LASOŃ 1998a).

**NITIDULIDAE**

**Epuraeinae KIREJTSHUK, 1986**

***Epuraea aestiva* (LINNAEUS, 1758)**

**New records**

Czersk [EC15], 9 V 2001, 1 ex., leg. DK, det. AL; Twierdza Modlin [DD70], 10 V 2001, 1 ex., leg. DK, det. AL; KNP, OOŚ Sieraków [DC89], on the bark of a dead birch, 13 V 2010, 1 ex., leg. DM, det. AL.

**Literature data**

Rez. Jegiel [ED43] near Szumin, Wilga [EC24] (LASOŃ 1998a); PK, Brzeźniczka nature res. [EC30] (LASOŃ & MIŁKOWSKI 2011).

***Epuraea biguttata* (THUNBERG, 1784)****New records**

{1} in window traps on *Quercus robur* L., leg. et det. PT: BIE [DC99], 10 X 2001, 6 exx.; NAT [EC08], 11 X 2001, 2 exx.; CHO [EC06], 22 IX 2004, 1 ex.; {2} KNP, leg. DM, det. AL: OOŚ Sieraków [DC89], 15 IV 2010, 1 ex.; OOŚ Sieraków [DC89], under the bark of *Quercus* sp., 1 VII 2010, 1 ex.; OOŚ Zameczysko [DC69], under the bark of *Quercus* sp., 21 VIII 2010, 1 ex.

**Literature data**

PK, Grądy [EC21], PK, Załamanek nature res. [EC20] (LASOŃ & MIŁKOWSKI 2011).

***Epuraea guttata* (OLIVIER, 1811)****New records**

{1} in window traps on *Quercus robur* L., leg. et det. PT: NAT [EC08], 1 VII 2002, 1 ex.; SOB [EC18], 1 VII 2002, 2 exx.; PGR [EC06], 9 VIII 2004, 5 exx.; CHO [EC06], 22 IX 2004, 6 exx.; {2} KNP, OOŚ Sieraków [DC89], under the bark of *Quercus* sp., leg. DM, det. AL: 29 VI 2010, 1 ex.; 1 VII 2010, 3 exx.

A comparatively rare species, reported from a few localities in western and southern Poland. Most records are old, dating back to 1970 and earlier. Recently found in the Białowieża Forest (LASOŃ 2004).

***Epuraea limbata* (FABRICIUS, 1787)****Literature data**

Podkowa Leśna [DC87] (TENENBAUM 1938).

***Epuraea marseuli* REITTER, 1872****New records**

{1} Jegiel nature res. [ED43] near Szumin, 19 IV 1991, 1 ex., leg. et det. TM; {2} Wilga [EC24], 21 VII 1992, 1 ex., leg. JS, det. AL; {3} Wilga, on the bark of *Pinus* sp., 17-31 VII 1993, 3 exx., leg. JS, det. AL; {4} Szumin [ED43], 17 IV 1994, 1 ex., leg. TM, det. AL; {5} Dęblin [EC51], in flight, 27 V 1995, 1 ex., leg. et det. AL; {6} CHO [EC06], in a window trap on *Quercus robur* L., 7 VII 2004, 4 exx., leg. et det. PT; {7} KNP, OOŚ Sieraków [DC89], leg. DM, det. AL: on the bark of a dead oak: 1 IV 2010, 1 ex.; under the bark of *Quercus* sp., 15 IV 2010, 5 exx.; on the bark of a dead birch, 11 V 2010, 1 ex.

**Literature data**

Warszawa – Bielany [DC99] (BURAKOWSKI & LUNIAK 1982 under *E. pusilla* (ILLIG.)); PK, Przejazd [EC20], PK, Wojciechów [EC10] (LASOŃ & MIŁKOWSKI 2011).

***Epuraea melanocephala* (MARSHAM, 1802)**

**New records**

BIE [DC99], in a window trap on *Quercus robur* L., 1 VI 2002, 1 ex., leg. et det. PT. Relatively common in the entire country; known from 13 regions.

***Epuraea melina* ERICHSON, 1843**

**New records**

Warszawa – Jelonki [DC98], on *Taraxacum officinale* Web.(Wigg.), 14 IV 2009, 2 exx., leg. WJ, det. AL.

Quite widespread; known from 14 regions, though not common. Most records are more than 100 years old.

***Epuraea muehli* REITTER, 1908**

**Literature data**

Wilga [EC24] (LASOŃ 2004).

***Epuraea neglecta* (HEER, 1841)**

**New records**

{1} in window traps on *Quercus robur* L., leg. et det. PT: NAT [EC08], 1 VII 2002, 1 ex.; PGR [EC06], 7 VII 2004, 3 exx.; CHO [EC06], 9 VIII 2004, 1 ex.; {2} KNP, OOŚ Sieraków [DC89], on the bark of a dead birch, 11 V 2010, 1 ex., leg. DM, det. AL.

**Literature data**

Wilga [EC24] (LASOŃ 2004).

***Epuraea pallescens* STEPHENS, 1832**

**New records**

KNP, OOŚ Sieraków [DC89], on the bark of a dead birch, 11 V 2010, 1 ex., leg. DM, det. AL; KNP, Pocięcha [DC89], attracted to artificial light, 3 VII 2010, 1 ex., leg. DM, det. AL.

**Literature data**

PK, Świerże forest distr. [EC32] (GUTOWSKI et al. 2006).

***Epuraea pygmaea* (GYLLENHAL, 1808)**

**Literature data**

Jegiel nature res. [ED43] near Szumin, Szumin [ED33] (LASOŃ 1998a).

*Epuraea terminalis* (MANNERHEIM, 1843)**Literature data**

Wilga [EC24] (LASOŃ 2004).

*Epuraea unicolor* (OLIVIER, 1790)**New records**

{1} Wilga [EC24], leg. JS, det. AL: 5 VIII 1992, 1 ex.; 15-22 IX 1992, 9 exx.; 25-31 VII 1993, 2 exx.; 5 VIII 1994, 1 ex.; {2} in window traps on *Quercus robur* L., leg. et det. PT: BIE [DC99], 10 X 2001, 6 exx.; NAT [EC08], 11 X 2001, 2 exx.; CHO [EC06], 7 VII 2004, 2 exx.; PGR [EC06], 9 VIII 2004, 1 ex.; {3} KNP, OOŚ Sieraków [DC89], leg. DM, det. AL: {a} on the bark of a dead oak, 20-27 III 2010, 26 exx.; {b} under the bark of *Quercus* sp. – 15 IV 2010, 4 exx.; 29 VI 2010, 4 exx.; 1 VII 2010, 3 exx.

**Literature data**

Warszawa – Anin [EC18] (TENENBAUM 1938); PK, Dąbrowa Kozłowska [EC10], PK, Poświętne [EC20] (LASOŃ & MIŁKOWSKI 2011).

*Epuraea variegata* (HERBST, 1793)**New records**

KNP, leg. DM, det. AL: OOŚ Sieraków [DC89], on the bark of a dead birch, 18 IV 2010, 1 ex.; OOŚ Sieraków [DC89], on bark of a dead oak, 21 IV 2010, 1 ex.; OOŚ Zamczysko [DC69], under the bark of *Quercus* sp., 21 VIII 2010, 1 ex.

**Literature data**

PK, Świerże forest distr. [EC32] (GUTOWSKI et al. 2006).

*Carpophilinae* ERICHSON, 1842*Carpophilus hemipterus* (LINNAEUS, 1758)**New records**

KNP, Izabelin [DC89], in flight, 6 VIII 2009, 1 ex., leg. et det. DM.

**Literature data**

PK, Sokoleniec [EC10] (LASOŃ & MIŁKOWSKI 2011).

*Carpophilus marginellus* (MOTSCHULSKY, 1858)**New records**

KNP, OOŚ Sieraków [DC89], under the bark of *Quercus* sp., 1 VII 2010, 1 ex., leg. DM, det. AL.

Quite recently discovered in Poland in the Wielkopolska-Kujawska Lowland (LASOŃ 1998b). Subsequent reports come from Silesia (MELKE & GRZYWOCZ 2003) and the



Masurian Lakeland (GAWROŃSKI et al. 2008). Earlier and current findings confirm previous speculations that the species has probably managed to colonize the whole country.

### **Cryptarchinae THOMPSON, 1859**

#### ***Cryptarcha strigata* (FABRICIUS, 1787)**

##### **New records**

{1} in window traps on *Quercus robur* L., leg. et det. PT: SOB [EC18], 1 VI 2002, 5 exx.; NAT [EC08], 26 VI 2003, 1 ex.; CHO [EC06], 7 VII 2004, 5 exx.; PGR [EC06], 7 VII 2004, 3 exx.; {2} KNP, OOŚ Sieraków [DC89], on the bark of a dead oak, leg. et det. DM: 27 VI 2010, 1 ex.; 28 VI 2010, 4 exx.; 29 VI 2010, 2 exx.

##### **Literature data**

Wilga [EC24] (LASOŃ 2004); PK, Dąbrowa Kozłowska [EC10], PK, Kozłów [EC10], PK, Ponty nature res. [EC20], PK, Siczki [EB19] (LASOŃ & MIŁKOWSKI 2011).

#### ***Cryptarcha undata* (OLIVIER, 1790)**

##### **New records**

{1} in window traps on *Quercus robur* L., leg. et det. PT: SOB [EC18], 23 VIII 2001, 4 exx.; NAT [EC08], 1 VII 2002, 1 ex.; SOB [EC18], , 1 IX 2002, 2 exx.; CHO [EC06], 7 VII 2004, 1 ex.; PGR [EC06], 7 VII 2004, 2 exx.; {2} KNP, OOŚ Sieraków [DC89], on the bark of a dead oak, leg. et det. DM: 27 VI 2010, 1 ex.; 29 VI 2010, 1 ex.

Rarely observed; reported from single localities in 11 regions.

#### ***Glischrochilus hortensis* (FOURCROY, 1785)**

##### **New records**

{1} in window traps on *Quercus robur* L., leg. et det. PT: BIE [DC99], 1 IX 2002, 1 ex.; PGR [EC06], 7 VII 2004, 3 exx.; CHO [EC06], 22 IX 2004, 2 exx.; {2} KNP, OOŚ Sieraków [DC89], under the bark of *Quercus* sp., 29 VI 2010, 1 ex., leg. et det. DM.

##### **Literature data**

Szumin [ED43], Wilga [EC24] (LASOŃ 1998a).

#### ***Glischrochilus quadriguttatus* (FABRICIUS, 1776)**

##### **New records**

{1} NAT [EC08], in a window trap on *Quercus robur* L., 1 VIII 2002, 2 exx., leg. et det. PT; {2} KNP, OOŚ Sieraków [DC89], under the bark of a pine, 25 III 2010, 1 ex., leg. et det. DM; {3} KNP, Pociecha [DC89], in flight, 15 IV 2010, 1 ex., leg. et det. DM.

##### **Literature data**

Wilga [EC24] (LASOŃ 1998a); Kozienice [EC31], PK, Pionki [EC30], PK, Siczki

[EB19], PK, Kieszek [EC20] (LASOŃ & MIŁKOWSKI 2011).

***Glischrochilus quadripunctatus* (LINNAEUS, 1761)**

**New records**

Wilga [EC24], 4 V 1992, 1 ex., leg. JS, det. AL; PGR [EC06], in a window trap on *Quercus robur* L., 7 VII 2004, 1 ex., leg. et det. PT; KNP, under the bark of *Quercus* sp., leg. DM; Pocięcha [DC89], 14 V 2009, 1 ex., det. DM; OOS Sieraków [DC89], 25 IV 2010, 1 ex., det. AL; OOS Sieraków [DC89], 20 III 2010, 1 ex., det. DM; Pocięcha [DC89], 27 IX 2010, 3 exx., det. DM.

**Literature data**

{1} under *G. quadripustulatus* (L.): Warszawa vic. (MOKRZECKI 1934); Ostrów Mazowiecka [ED65] (Więckowski); Warszawa – Bielany [DC99] (BURAKOWSKI & LUNIAK); PK Świerże forest distr. [EC32] (GUTOWSKI et al. 2006); {2} Kozienice [EC31], PK, Jastrzębia [EC10], PK, Poborskie Łąki [EC20], PK, Ciszek nature res. [EC20] (LASOŃ & MIŁKOWSKI 2011).

***Glischrochilus quadrisignatus* (SAY, 1835)**

**New records**

{1} in window traps on *Quercus robur* L., leg. et det. PT: BIE [DC99], 10 X 2001, 4 exx.; CHO [EC06], 9 VIII 2004, 2 exx.; NAT [EC08], 9 VIII 2004, 1 ex.; PGR [EC06], 22 IX 2004, 1 ex.; {2} KNP, Wiejca [DC69], under the bark of a willow, 29 IV 2010, 1 ex., leg. et det. DM.

**Literature data**

Wilga [EC24] (LASOŃ 2004); PK, Pionki [EC20], PK, Świerże Górne [EC32] (LASOŃ & MIŁKOWSKI 2011).

***Pityophagus ferrugineus* (LINNAEUS, 1761)**

**Literature data**

Skierniewice [DC45] (MOKRZECKI 1934); Warszawa – Bielany [DC99] (BURAKOWSKI & LUNIAK 1982); PK, Świerże forest distr. [EC32] (GUTOWSKI et al. 2006); PK, Rajec Poduchowny [EB19], PK, Poświętne [EC20], PK, Kozłów [EC10] (LASOŃ & MIŁKOWSKI 2011).

**Nitidulinae LATREILLE, 1802**

***Amphotis marginata* (FABRICIUS, 1781)**

**Literature data**

Warszawa – Bielany [DC99] (BURAKOWSKI & LUNIAK 1982).

***Cychramus luteus* (FABRICIUS, 1787)**

**New records**

KNP, OOŚ Sieraków [DC89], in *Armillaria mellea*, 17 IX 2010, 1 ex., leg. et det. DM.

**Literature data**

PK, Poborskie Łąki [EC20] (LASOŃ & MIŁKOWSKI 2011).

***Cychramus variegatus* (HERBST, 1792)**

**Literature data**

Warszawa – Bielany [DC99] (BURAKOWSKI & LUNIAK 1982).

***Cyllodes ater* (HERBST, 1792)**

**New records**

{1} in window traps on *Quercus robur* L., leg. et det. PT: SOB [EC18], 1 VI 2002, 4 exx.; CHO [EC06], 9 VIII 2004, 6 exx.; NAT [EC08], 9 VIII 2004, 1 ex.; PGR [EC06], 9 VIII 2004, 2 exx.; {2} KNP, OOŚ Sieraków [DC89], leg. et det. DM: on *Fomes fomentarius*, 8 V 2009, 6 exx.; on the bark of a dead birch, 13 V 2010, 9 exx.; “Netocia” trap in a tree hollow in an oak, 30 VI 2010, 1 ex.

**Literature data**

PK, nature res. Jedlnia [EB29], PK, Załamanek nature res. [EC20] (LASOŃ & MIŁKOWSKI 2011).

***Ipidia binotata* REITTER, 1875**

**Literature data**

PK, Brzeźniczka nature res. [EC30] (LASOŃ & MIŁKOWSKI 2011).

***Nitidula bipunctata* (LINNAEUS, 1758)**

**New records**

KNP, OOŚ Sieraków [DC89], under the bark of *Quercus* sp., 20 III 2010, 1 ex., leg. et det. DM.

**Literature data**

Szumin ED33, Wilga [EC24] (LASOŃ 2004); PK, Poświętne [EC20] (LASOŃ & MIŁKOWSKI 2011).

***Nitidula carnaria* (SCHALLER, 1783)**

**Literature data**

Szumin [ED43], Wilga [EC24] (LASOŃ 1998a).

***Nitidula rufipes* (LINNAEUS, 1767)**

**New records**

Wilga [EC24], on a bone, 29 IV 1992, 15 exx., leg. JS, det. AL; on a bone 18 VI 1994,

1 ex., leg. JS, det. AL.

**Literature data**

Warszawa – Bielany [DC99] (BURAKOWSKI & LUNIAK 1982); PK, Ciszek nature res. [EC20] (LASOŃ & MIŁKOWSKI 2011).

***Omosita colon* (LINNAEUS, 1758)**

**New records**

{1} Wilga [EC24], leg. JS, det. AL: on a bone, 29 IV 1992, 5 exx.; under carrion, 20 IX 1993; 23 VII 1994, 2 exx.; {2} Rakowiecka St. [EC08], on a bone, 19 VI 1997, 3 exx., leg. et det. PT; {3} KNP, Izabelin [DC89], in flight, 10 VIII 2010, 1 ex., leg. et det. DM.

**Literature data**

Siennica [EC47] near Warszawa (BARTOSZYŃSKI 1936); PK, Marianów [EC21] (LASOŃ & MIŁKOWSKI 2011).

***Omosita depressa* (LINNAEUS, 1758)**

**New records**

{1} Wilga [EC24], 24 VIII 1992, 1 ex., leg. JS, det. AL; {2} Rakowiecka St. [EC08], on a bone, 19 VI 1997, 1 ex., leg. et det. PT; {3} in window traps on *Quercus robur* L., leg. et det. PT: NAT [EC08], 11 X 2001, 1 ex.; SOB [EC18], 1 VIII 2002, 3 exx.

**Literature data**

Warszawa – Bielany [DC99] (BURAKOWSKI & LUNIAK 1982); PK, Dąbrowa Kozłowska [EC10], PK, Jedlnia – Letnisko [EB29] (LASOŃ & MIŁKOWSKI 2011).

***Omosita discoidea* (FABRICIUS, 1775)**

**New records**

Twierdza Modlin [DD70], 10 V 2001, 1 ex., leg. DK, det. AL; Rakowiecka St. [EC08], on a bone, 19 VI 1997, 4 exx., leg. et det. PT; BIE [DC99], in a window trap on *Quercus robur* L., 1 V 2002, 1 ex., leg. et det. PT.

**Literature data**

Wilga [EC24] (LASOŃ 1998a); PK, Wojciechów [EC10] (LASOŃ & MIŁKOWSKI 2011).

***Pocadius adustus* REITTER, 1888**

**New records**

In window traps on *Quercus robur* L., leg. et det. PT: NAT [EC08], 7 VII 2004, 4 exx.; PGR [EC06], 7 VII 2004, 6 exx.

**Literature data**

Stara Wieś [DC84] near Grójec (MACIEJEWSKI 1997); PK, Ciszek nature res. [EC20] (LASOŃ & MIŁKOWSKI 2011).

***Pocadius ferrugineus* (FABRICIUS, 1775)**

**New records**

{1} in window traps on *Quercus robur* L., leg. et det. PT: PGR [EC06], 7 VII 2004, 1 ex.; PGR [EC06], 9 VIII 2004, 1 ex.; {2} KNP, leg. et det. DM: OOŚ Sieraków [DC89], on *Fomes fomentarius*, 19 IV 2010, 1 ex.; Wiejca [DC69], on the bark of a dead, fungus-infested willow, 29 IV 2010, 1 ex.; Zaborówek, [DC79], on *Lycoperdon* sp., 27 IX 2010, 3 exx.

**Literature data**

Warszawa – Bielany [DC99] (BURAKOWSKI & LUNIAK 1982 under *P. striatus* (OLIV.)); PK, Ciszek nature res. [EC20], PK, Królewskie Źródło nature res. [EC30], PK, Selwanówka [EC 22], PK, Jedlnia nature res. [EB29] (LASOŃ & MIŁKOWSKI 2011).

***Soronia grisea* (LINNAEUS, 1758)**

**New records**

{1} Wilga [EC24], leg. JS, det. AL, 2 VII 1992, 1 ex.; 1-24 VIII 1993, 3 exx.; {2} in window traps on *Quercus robur* L., leg. et det. PT: NAT [EC08], 5 IX 2003, 2 exx.; CHO [EC06], 7 VII 2004, 6 exx.; PGR [EC06], 22 IX 2004, 2 exx.; {3} KNP, OOŚ Sieraków [DC89], on the bark of a dead oak, leg. et det. DM: 26 VI 2010, 1 ex.; 28 VI 2010, 3 exx.; 1 VII 2010, 1 ex.

**Literature data**

Skierniewice vic., Rawa Mazowiecka [DC43] (KOŚLIŃSKA 1963); PK, Świerże Górne [EC32], PK, Dąbrowa Kozłowska [EC10], PK, Huta [EC20], PK, Żytkowice [EC30] (LASOŃ & MIŁKOWSKI 2011).

***Soronia punctatissima* (ILLIGER, 1794)**

**New records**

In window traps on *Quercus robur* L., leg. et det. PT: NAT [EC08], 25 VII 2003, 1 ex.; PGR [EC06], 9 VIII 2004, 1 ex.

**Literature data**

Wilga [EC24] (LASOŃ 1998a).

***Thalycra fervida* (OLIVIER, 1790)**

**Literature data**

Rawa Mazowiecka [DC43] (OSTERLOFF 1885); Wilga [EC24] (LASOŃ 1998a); PK, Dąbrowa Kozłowska [EC10] (LASOŃ & MIŁKOWSKI 2011).

**Meligethinae THOMPSON, 1859**

***Afrogethes planiusculus* (HEER, 1841)**

**Literature data**

Warszawa – Miedzeszyn [EC08] (OSTERLOFF 1885 under *Meligethes murinus* ER.).

*Afrogethes tristis* (STURM, 1845)**New records**

KNP, Lipków [DC89], 4 V 2009, 1 ex., leg. WJ, det. AL.

**Literature data**

Warszawa – Grochów [EC08] (OSTERLOFF 1885); Grodzisk Mazowiecki [DC77] (PRÜFFER 1958).

*Astylogethes corvinus* (ERICHSON, 1845)**Literature data**

Warszawa – Grochów [EC08] (OSTERLOFF 1885).

*Astylogethes subrugosus* (GYLLENHAL, 1808)**New records**

KNP, leg. DM, det. AL: Truskaw [DC89], in a meadow, 16 VI 2010, 1 ex.; Buda [DC89], in a psammophilous plant community, 21 VI 2010, 2 exx.

**Literature data**

Warszawa – Gocławek [EC08] (OSTERLOFF 1885).

*Boragogethes rosenhaueri* (REITTER, 1871)**Literature data**

Warszawa (HORION 1960).

*Boragogethes symphyti* (HEER, 1841)**New records**

Szumin ad Łochów [ED43], in a river meadow, 4 VII 1995, 3 exx.; 20 VII 1996, 1 ex., leg. TM, det. AL; Posiołek [EC51] ad Dęblin, 9 V 2001, 2 exx., leg. DK, det. AL.

**Literature data**

Warszawa vic. (OSTERLOFF 1885, BŁĄŻEJEWSKI 1962); PK, Świerże forest distr. [EC32] (GUTOWSKI et al. 2006).

*Brassicogethes aeneus* (FABRICIUS, 1775)**New records**

{1} Wilga [EC24], 1 VIII 1993, 1 ex., leg. JS, det. AL; {2} Szumin [ED43], 20 VII 1996, 1 ex., leg. TM, det. AL; {3} Chmielewo [DD40] ad Wyszogród, 11 V 2001, 1 ex., leg. DK, det. AL; {4} Płock [DD12], 15 V 2001, 1 ex., leg. DK, det. AL; {5} Posiołek [EC51] ad Dęblin, 9 V 2001, 6 exx., leg. DK, det. AL; {6} Twierdza Modlin [DD70], 10 V 2001, 27 exx., leg. DK, det. AL; {7} Wiejca [DC69] ad Kampinos, 11 V 2001, 4 exx., leg. DK, det. AL; {8} KNP, leg. DM, det. AL: OOS Sieraków [DC89], in a pine forest, 25 IV

2010, 1 ex.; Niepust [DC89], in heathland, 26 V 2010, 2 exx.; Truskaw [DC89], in a meadow, 16 VI 2010, 1 ex.; OOŚ Sieraków [DC89], in a wet meadow, 18 VI 2010, 1 ex.; OOŚ Żurawiowe [DC79], 28 VI 2010, 1 ex.

**Literature data**

Warszawa – Grochów [EC08] (OSTERLOFF 1885); PK, Świerże forest distr. [EC32] (GUTOWSKI et al. 2006); PK, Jedlnia – Letnisko [EB29], PK, Kozłów [EC10] (LASOŃ & MIŁKOWSKI 2011).

***Brassicogethes coeruleovirens* FÖRSTER, 1849**

**New records**

Stare Budy [ED43] ad Wyszaków, 21 VI 2001, 1 ex., leg. et det. DK; OOŚ Sieraków [DC89], 15 IV 2010, 4 exx., leg. DM, det. AL.

**Literature data**

Warszawa vic. (TENENBAUM 1923).

***Brassicogethes coracinus* (STURM, 1845)**

**New records**

Dęblin [EC51], in a peaty meadow, 28 V 1995, 3 exx., leg. et det. AL; Czersk [EC15], 9 V 2001, 3 exx., leg. DK, det. AL; Posiołek [EC51] ad Dęblin, 9 V 2001, 3 exx., leg. DK, det. AL.

**Literature data**

Warszawa – Gocławek [EC08], Pułtusk [ED04] (OSTERLOFF 1885); Warszawa – Wygoda [EC18] (OSTERLOFF 1885 under *Meligethes pumilus* ER.); Grodzisk Mazowiecki [DC77], Podkowa Leśna [DC87] (BŁAŻEJEWSKI 1962); Czerwińskie Góry II nature res. [DC59] (KUBISZ et al. 2000).

***Brassicogethes subaeneus* (STURM, 1845)**

**Literature data**

Wilga [EC24] (LASOŃ 2004); PK, Kozłów [EC10] (LASOŃ & MIŁKOWSKI 2011).

***Brassicogethes viridescens* (FABRICIUS, 1787)**

**New records**

Orle [CD41], 18 II 1990, 1 ex., leg. JS, det. JJ; KNP, Truskaw [DC89], in a meadow, 16 VI 2010, 1 ex., leg. DM, det. AL.

**Literature data**

Warszawa vic. (OSTERLOFF 1885); PK, Świerże forest distr. [EC32] (GUTOWSKI et al. 2006); PK, Dąbrowa Kozłowska [EC10], PK, Rajec Poduchowny [EB19] (LASOŃ & MIŁKOWSKI 2011).

***Fabogethes brachialis* (ERICHSON, 1845)****New records**

Twierdza Modlin [DD70], 10 V 2001, 1 ex., leg. DK, det. AL.

Associated with xerotherms; quite widely distributed in the country. Reported from 11 regions, though rather rarely trapped.

***Fabogethes nigrescens* (STEPHENS, 1830)****New records**

Twierdza Modlin [DD70], 10 V 2001, 2 exx., leg. DK, det. AL.

Comparatively rarely found; known from scattered localities in 15 regions.

***Genistogethes carinulatus* (FÖRSTER, 1849)****New records**

Chmielewo [DD40] ad Wyszogród, 11 V 2001, 1 ex., leg. DK, det. AL; Posiołek [EC51] ad Dęblin, 9 V 2001, 11 exx., leg. DK, det. AL; Twierdza Modlin [DD70], 10 V 2001, 3 exx., leg. DK, det. AL; Wola Czerwińska [DD50] ad Wyszogród, 10 V 2001, 1 ex., leg. et det. DK.

**Literature data**

Chojnów vic. (PRÜFFER 1958 under *M. erythropus* (MARSH.)).

***Lamiogethes bidens* (BRISOUT, 1863)****Literature data**

Warszawa – Natolin [EC07] (BŁAŻEJEWSKI 1962); PK, Świerże forest distr. [EC32] (GUTOWSKI et al. 2006).

***Lamiogethes brunnicornis* (STURM, 1845)****New records**

Twierdza Modlin [DD70], 10 V 2001, 1 ex., leg. DK, det. AL.

The species reported from 13 localities, though probably present throughout Poland.

***Lamiogethes buyssoni* (BRISOUT, 1882)****Literature data**

Dęblin [EC51] (LASOŃ 1998a).

***Lamiogethes difficilis* (HEER, 1841)****New records**

Warszawa – Jelonki [DC98], 12 IV 2009, 1 ex., leg. WJ, det. AL.

Occurs in 12 regions; locally quite common.



***Lamiogethes morosus* (ERICHSON, 1845)**

**New records**

Czersk [EC15], xerothermic slope, 9 V 2001, 1 ex., leg. DK, det. AL.

**Literature data**

PK, Świerże forest distr. [EC32] (GUTOWSKI et al. 2006).

***Lamiogethes ochropus* (STURM, 1845)**

**Literature data**

Warszawa – Gocławek [EC08] (OSTERLOFF 1885), Warszawa – Natolin [EC07], Podkowa Leśna [DC87] (BŁAŻEJEWSKI 1962).

***Lamiogethes pedicularius* (GYLLENHAL, 1808)**

**Literature data**

Warszawa vic. (OSTERLOFF 1885 under *Meligethes viduatus* (HEER)); PK, Marianów [EC21] (LASOŃ & MIŁKOWSKI 2011).

***Lamiogethes persicus* (FELDERMANN, 1837)**

**Literature data**

Warszawa – Służewiec [DC98] (BŁAŻEJEWSKI 1962 under *Meligethes pedicularius* (GYLL.)).

***Lamiogethes serripes* (GYLLENHAL, 1827)**

**Literature data**

Warszawa – Gocławek [EC08] (OSTERLOFF 1885).

***Lamiogethes sulcatus* (BRISOUT, 1863)**

**New records**

Posiołek [EC51] ad Dęblin, 9 V 2001, 2 exx., leg. DK, det. AL.

A species very rarely trapped; known from single localities in 5 regions. Recently found in the Podlasie region, the first time for 50-60 years (LASOŃ 2002).

***Meligethes denticulatus* (HEER, 1841)**

**Literature data**

PK, Dąbrowa Kozłowska [EC10], PK, Januszno [EC30], PK, Marianów [EC21] (LASOŃ & MIŁKOWSKI 2011).

***Pria dulcamarae* (SCOPOLI, 1763)**

**New records**

Jegiel nature res. [ED43] near Szumin, 21 IV 1991, 2 exx., leg. TM, det. AL.

**Literature data**

Grodzisk Mazowiecki [DC77] (OSTERLOFF 1885); PK, Dąbrowa Kozłowska [EC10]

(LASON & MIŁKOWSKI 2011).

***Sagittogethes ater* (BRISOUT, 1863)**

**Literature data**

Zegrze [ED01] (TENENBAUM 1937); Warszawa vic. (NUNBERG 1976).

***Sagittogethes maurus* (STURM, 1845)**

**New records**

Chmielewo [DD40] ad Wyszogród, 11 V 2001, 1 ex., leg. DK, det. AL; Czersk [EC15], xerothermic slope, 9 V 2001, 6 exx., leg. DK, det. AL; Płock [DD12], 15 V 2001, 1 ex., leg. DK, det. AL.

**Literature data**

Zegrze [ED01] (BŁĄŻEJEWSKI 1962).

***Sagittogethes ovatus* (STURM, 1845)**

**Literature data**

Grodzisk Mazowiecki [DC77] (OSTERLOFF 1885).

***Stachygethes assimilis* (STURM, 1845)**

**New records**

Czersk [EC15], xerothermic slope, 9 V 2001, 2 exx., leg. DK, det. AL; Chmielewo [DD40] ad Wyszogród, 11 V 2001, 2 exx., leg. DK, det. AL; Płock [DD12], 15 V 2001, 2 exx., leg. DK, det. AL; Wola Klasztorna [EC50], railway embankment, on *Echium vulgare* L., 30 V 2010, 2 exx., leg. MM, det. AL.

**Literature data**

PK, Wola Klasztorna [EC 50] (LASON & MIŁKOWSKI 2011).

***Stachygethes nanus* (ERICHSON, 1845)**

**Literature data**

Warszawa – Wawer [EC08] (OSTERLOFF 1885, ŁOMNICKI 1913).

***Stachygethes ruficornis* (MARSHAM, 1802)**

**New records**

Czersk [EC15], 9 V 2001, 4 exx., leg. DK, det. AL; Płock [DD12], 15 V 2001, 6 exx., leg. DK, det. AL; Posiołek [EC51] ad Dęblin, 9 V 2001, 1 ex., leg. DK, det. AL; Twierdza Modlin [DD70], 10 V 2001, 29 exx., 14 VI 2001, 2 exx., leg. DK, det. AL.

**Literature data**

Warszawa – Gocław [EC08] (OSTERLOFF 1885 under *M. flavipes* STURM); Warszawa (BŁĄŻEJEWSKI 1962 under *M. flavipes* STURM).

***Stachygethes villosus* (BRISOUT, 1863)**

**Literature data**

Grodzisk Mazowiecki [DC77] (OSTERLOFF 1885, ŁOMNICKI 1913).

***Thymogethes egenus* (ERICHSON, 1845)**

**New records**

Posiołek [EC51] ad Dęblin, 9 V 2001, 4 exx., leg. DK, det. AL.

Occurs in almost the whole country, though comparatively rare in all localities. Reported from 14 regions so far, mostly at the beginning of the 20<sup>th</sup> century.

***Thymogethes exilis* STURM, 1845**

**New records**

KNP, Brzozówka [DC79], on *Thymus* sp., 28 V 2010, 3 exx., leg. DM, det. AL.

The species is reported only rarely and sporadically. Known from 8 regions, although found only 3 times in Poland during the last 100 years (BŁĄŻEJEWSKI 1962, NUNBERG 1976b, LASOŃ 2002).

***Thymogethes gagathinus* ERICHSON, 1845**

**New records**

Posiołek [EC51] ad Dęblin, 9 V 2001, 5 exx., leg. DK, det. AL; KNP, Wiejca [DC69], in a *Molinion caeruleae* plant community, 29 VI 2010, 1 ex., leg. DM, det. AL.

A species of insufficiently known distribution; commonly confused with *Th. lugubris* STURM. Reported from as few as 6 regions; however, found only in the Kraków-Wieluń Upland in the last 80 years (PAWŁOWSKI et al. 1994).

***Thymogethes lugubris* (STURM, 1845)**

**New records**

Twierdza Modlin [DD70], 10 V 2001, 1 ex., leg. DK, det. AL.

**Literature data**

Warszawa – Wygoda [EC18] (OSTERLOFF 1885); Chojnów [EC06], Stefanów [EC15] (BŁĄŻEJEWSKI 1962).

***Xerogethes discoideus* (ERICHSON, 1845)**

**Literature data**

Warszawa – Fort Śliwicki [EC09] (OSTERLOFF 1885).

***Xerogethes kraatzii* (REITTER, 1871)**

**Literature data**

Dęblin [EC51] (LASOŃ & JELÍNEK 1997).

**Cybocephalinae JACQUELIN DU VAL, 1858*****Cybocephalus pulchellus* ERICHSON, 1845****Literature data**

Near Warszawa (TENENBAUM 1923, KUBISZ & SZWAŁKO 1999).

The species is on the Red List of invertebrates (GŁOWAĆSKI 1992) under the “Data Deficient” category.

**DISCUSSION**

Little detailed knowledge is available of the species distribution of these two not very species-rich families of beetles. The majority of the species are highly specialized, occurring in specific sites usually associated with their food resources, e.g. the fermenting sap of trees for some *Epuraea* species, or the flowers of particular plants for many members of the Meligethini. This is one of the main reasons for the scarcity of records. Although the authors of this analysis gave preferential treatment to the city of Warsaw and surrounding areas, the results show that even in the case of species-poor groups, local faunal inventories can significantly increase when proper collection methods are applied. A large proportion of the new records were acquired from just a few localities, and window traps turned to be an efficient method for the detection of species from the two families studied.

We suggest that future regional analyses of Polish beetle fauna should be subject to more thorough considerations of geographical definitions of the areas they refer to. Differences in borders may cause differences in the species inventories of the areas compared, depending on the diversity of habitats that are excluded or included by the change of borders. If more data on the insect groups analysed in this article were available, the counts and composition of the species from the Mazovian Lowland would surely be quite different, depending on the delimitation of its boundaries.

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