

New records of true hoppers (Hemiptera: Auchenorrhyncha) from Austria, with special focus on Upper Austria and Vienna

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Abstract

The present work reports two leafhopper species, *Balclutha frontalis* (FERRARI, 1882) and *Lindbergina aurovittata* (DOUGLAS, 1875), and one cicada species, *Cicadetta macedonica* SCHEDL, 1999, as new for Austria. In addition, 96 first records of Auchenorrhyncha species for Upper Austria and 42 first records for Vienna are presented. Noteworthy data on rare and conservation-relevant species are given and first photographs of living specimens of several species are provided.

Key words. leafhoppers, planthoppers, cicada, introduced species, faunistics, nature conservation, Styria, Lower Austria, Salzburg, iNaturalist, naturbeobachtung.at.

Zusammenfassung

Zwei Zwergzikaden-Arten, *Balclutha frontalis* (FERRARI, 1882) und *Lindbergina aurovittata* (DOUGLAS, 1875), sowie eine Singzikadenart, *Cicadetta macedonica* SCHEDL, 1999, werden erstmals für Österreich gemeldet. Zudem werden Erstdnachweise für 96 Zikadenarten aus Oberösterreich sowie für 42 Arten aus Wien genannt. Ergänzend werden relevante Informationen zu seltenen und naturschutzfachlich bedeutenden Arten sowie erste Lebendfotos für manche Arten publiziert.

Introduction

True hoppers (Auchenorrhyncha) are a relatively well-studied insect group across much of Austria and frequently employed in conservation research. In preparation for a new Red List, targeted surveys were conducted in lesser-known regions. Here, we present new and noteworthy records obtained particularly from Upper Austria and Vienna.

Material and methods

Auchenorrhyncha were collected by sweep-net and suction sampling, and with pitfall traps. Voucher specimens are deposited in the collection of the authors unless the records originate from the citizen science platforms iNaturalist and naturbeobachtung.at; in those cases, identification is based on photos only and no voucher specimens are available. Photographs of living specimens were taken with a mirrorless Canon EOS camera equipped with an MP-E 65 mm macro lens and a Canon Macro Ring Lite MR-14EX II flash.

In the record lists, species taxa are arranged alphabetically. A systematic list is provided in the electronic appendix at the journal's webpage. In this appendix, links to the records in iNaturalist and naturbeobachtung.at are also provided.

Results

New records for Austria

Three species are herein reported from Austria for the first time.

Balclutha frontalis (FERRARI, 1882) (Figs 1–4)

Material examined. Styria: Glanz an der Weinstraße, Gunczyhof, 46.6562°N, 15.5228°E, 415 m a.s.l., 8.8.2021, 1 ♀, iNaturalist, G. Kunz leg., E. Lind & G. Kunz det. – Vienna: Neuwaldegg, 48.2416°N 16.2617°E, 330 m a.s.l., 7.10.2024, 1 adult, iNaturalist, E. Lind leg., G. Kunz & E. Lind det.; Poppendorfberg, 46.8733°N, 15.8559°E, 348 m a.s.l., 15.9.2025, 1 adult, iNaturalist, J. Schmid obs., H. Nickel & G. Kunz det. – Lower Austria: Oberweiden, Sandberge Oberweiden, swept from *Bothriochloa ischaemum*, 48.2817°N, 16.8343°E, 160 m a.s.l., 22.9. and 30.9.2025, adults and nymphs, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Bisamberg, Jungfernweg, 48.3147°N, 16.3623°E, 300 m a.s.l., 27.9.2025, 2 ♀♀, iNaturalist, E. Lind leg., G. Kunz & E. Lind det.

Notes. Earlier findings of females and nymphs from Oberweiden, Lower Austria, could not be assigned to any *Balclutha* species known from Austria. Several adults and nymphs of the species were subsequently swept from the grass panicles of *Bothriochloa ischaemum*. As the host plant (SELJAK 2023), colouration, size, and male genitalia correspond to *Balclutha frontalis*, these characters also allowed us to assign earlier records to this species.

Cicadetta macedonica SCHEDL, 1999 (Fig. 5)

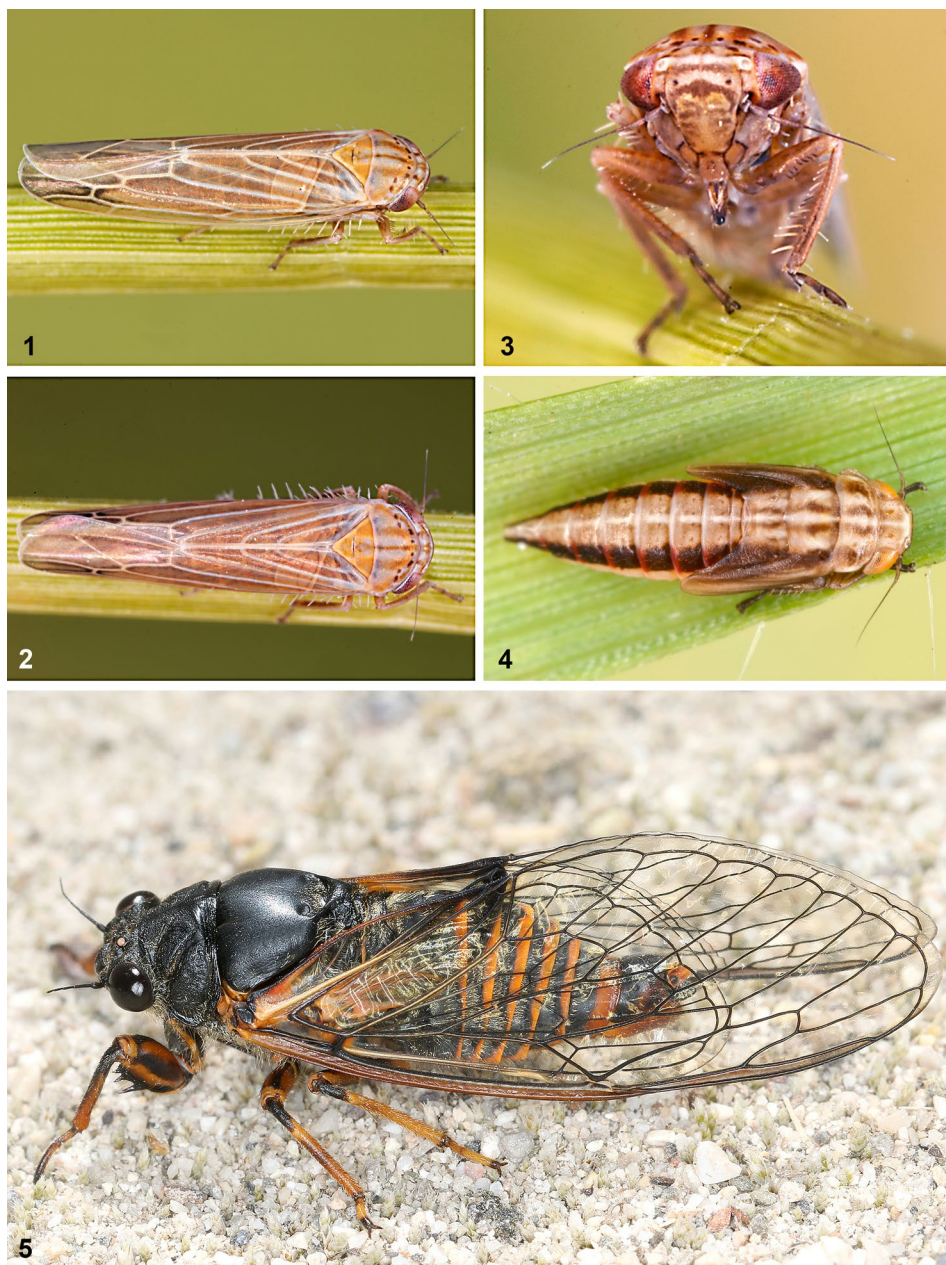
Material examined. Vienna: Pötzleinsdorf, Obere Kreuzwiese, 48.2391°N, 16.2968°E, 357 m a.s.l., 19.6.2020, 1 ♂ singing, iNaturalist, W. Reitmeier obs., S. Liakas & B. Schmid det.; Pötzleinsdorf, Schafbergwiese, 48.2385°N, 16.2921°E, 353 m a.s.l., 18.5.2022, 1 ♂ singing, iNaturalist, B. Schmid obs., S. Liakas & B. Schmid det.; Pötzleinsdorf, Schafbergwiese, 48.2388°N, 16.2919°E, 360 m a.s.l., 11.5.2024, 1 ♂ singing, iNaturalist, M. Oswald obs., S. Liakas & M. Oswald det.; Pötzleinsdorf, Schafbergwiese, 48.2383°N, 16.2933°E, 355 m a.s.l., 19.6.2025, 1 ♂ singing, iNaturalist, E. Lind leg., E. Lind & S. Liakas det.; Pötzleinsdorf, Schafbergwiese, 48.2387°N, 16.2911°E, 352 m a.s.l., 21.6.2025, 1 ♂ singing, iNaturalist, E. Lind leg., E. Lind & S. Liakas det.

Notes. This species is mainly native to southeastern Europe (SCHEDL 1999, TRILAR et al. 2020), and the records in Austria were rather unexpected. In Central Europe, it has so far only been reported from the Czech Republic, published by MALENOVSKY & LAUTERER (2017). To date, the analysis of recordings of courtship songs provides the most reliable means of identifying species within the *Cicadetta montana* species group. First acoustic documentation in Austria was provided by W. Reitmeier, using an ultrasound detector. This represents the westernmost record of the species to date. The locality is an extensively managed, structurally diverse meadow on a south-facing slope in the north-west of Vienna. Additional records have been obtained in the vicinity of the original discovery site.

Lindbergina aurovittata (DOUGLAS, 1875)

Material examined. Salzburg: Nonnentaler Hauptstraße, 47.7942°N, 13.0508°E, 425 m a.s.l., 18.10.2023, 1 adult, iNaturalist, K. Zobel obs., K. Zobel & G. Kunz det. – Vienna: Donaukanal bei Anton-Kummerer-Park, 48.2359°N, 16.3623°E, 155 m a.s.l., 27.11.2023, 10 adults, iNaturalist, K. Zobel obs., K. Zobel & G. Kunz det.

Notes. This originally western Mediterranean species has been expanding its range eastwards and northwards for several decades (e.g. LÖCKER 2003, NICKEL 2003, DEN BIEMAN & VAN KLINK 2015, NICKEL 2024). Its occurrence in Austria had therefore been anticipated,



Figs 1–5. (1–4) *Balchutha frontalis*, adult male in (1) dorsolateral view, (2) dorsal view, and (3) frontal view; (4) nymph in dorsal view. © E. Lind. (5) The westernmost habitat of *Cicadetta macedonica* in Europe is located in Vienna. © G Kunz.



Figs 6–9. (6, 7) The first photographs of a nymph of *Litemixia pulchripennis* in (6) dorsolateral and (7) frontal view. (8, 9) The first photographs of a living specimen of *Macrosteles alpinus* in (8) dorsolateral and (9) frontal view. © E. Lind.

and it has now been recorded from Salzburg and Vienna. *Lindbergina aurovittata* has two generations per year: adults and larvae of the summer generation are polyphagous on deciduous trees, while the winter generation develops on *Rubus* (CLARIDGE & WILSON 1978).

New records for Upper Austria

Upper Austria is comparatively poorly studied in terms of true hopper fauna among the Austrian federal states (SCHLOSSER 2022). Historical records are mainly available from the Alpine region (WAGNER & FRANZ 1961) and from Linz (HAMANN 1960), while recent data have been published almost exclusively from the bogs of the Bohemian Forest (SCHLOSSER & HOLZINGER 2012) and from meadows of the Mühlviertel region (SCHLOSSER et al. 2021). Numerous previously unpublished first records from Upper Austria, collected by the authors, are provided below.

Acanthodelphax denticauda (BOHEMAN, 1847)

Material examined. Torfau bei Ulrichsberg, Mooswiesen, 48.6836°N, 13.8858°E, 590 m a.s.l., 19.7.2011, 1 ♂, L. Schlosser leg. & det.

Alebra neglecta WAGNER, 1940

Material examined. Leopoldschlag, riparian vegetation, 48.5969°N, 14.4809°E, 700 m a.s.l., 4.7.2023, 2 ♂♂, L. Schlosser leg. & det.



Figs 10–12. First photographs of a living nymph of *Dictyophara multireticulata* in (10) lateral, (11) dorsal, and (12) frontal view. © E. Lind.

***Alebra wahlbergi* (BOHEMAN, 1845)**

Material examined. Zaubertal, 48.3006°, 14.2592°, 319 m a.s.l., 13.6.2011, 1 ♂, G. Kunz leg & det.



Figs 13–16. (13, 14) First photographs of a male, living specimen of *Hephathus freyi*, in (13) lateral and (14) frontolateral view. (15, 16) First photographs of living specimens of (15) a male and (16) a female of *Iassus mirabilis*; Vienna, Pötzleinsdorf. © E. Lind.

***Allygus communis* FERRARI, 1882**

Material examined. Zaubertal, 48.3006°, 14.2592°, 319 m a.s.l., 13.6.2011, 1 ♂, G. Kunz leg & det.

***Alnetoidia alneti* (DAHLBOM, 1850)**

Material examined. Zaubertal, 48.3006°, 14.2592°, 319 m a.s.l., 13.6.2011, 1 ♂, G. Kunz leg & det.

***Anoscopus histrionicus* (FABRICIUS, 1794)**

Material examined. Rainbach im Mühlkreis, forest edge, 48.5819°N, 14.4794°E, 684 m a.s.l., 14.7.2023, 5 ♂♂, L. Schlosser leg. & det.

***Aphrophora corticea* GERMAR, 1821**

Material examined. Gmunden, Laudachmoos, 47.8758°N, 13.8544°E, 900 m a.s.l., 14.6.2018, 1 ♂, C. Komposch et al. leg., E. Huber det.; Tiefgraben, Wildmoos, 47.8783°N, 13.3603°E, 790 m a.s.l., 15.6. and 2.7.2018. 2 ♂♂, 1 ♀, C. Komposch et al. leg., E. Huber det.

***Aphrophora major* UHLER, 1896**

Material examined. Lengau, NSG Teichstätt, riparian forest, 48.0344°N, 13.2162°E, 490 m a.s.l., 30.8.2022, 2 ♂♂, 1 ♀, L. Schlosser leg. & det.

***Aphrophora pectoralis* MATSUMURA, 1903**

Material examined. Steyregg, Donauradweg, 48.271214°N, 14.387455°E, 245 m a.s.l., 29.5.2022, 1 adult, naturbeobachtung.at, R. Jagersberger obs., G. Kunz det.

***Aphrophora salicina* (GOEZE, 1778)**

Material examined. Ottensheim, riparian forest, 48.3285°N, 14.1691°E, 254 m a.s.l., 3.7.2019, 4 ♂♂, 3 ♀♀, L. Schlosser leg. & det.; Ottensheim, orchard meadow, 48.3283°N, 14.1570°E, 258 m a.s.l., 3.7.2019, 2 ♀♀, L. Schlosser leg., E. Kern det.; Rodlmündung Ottensheim, riparian forest, 48.3283°N, 14.1570°E, 254 m a.s.l., 3.7.2019, 1 ♂, L. Schlosser leg., E. Kern det.; Pram, Stausee Taiskirchen, Altmannsdorf, 48.2503°N, 13.5875°E, 410 m a.s.l., 13.9.2022, 1 ♀, L. Schlosser leg., E. Kern det.; Reichersberg, riparian forest and reed bed, 48.3395°N, 13.3600°E, 315 m a.s.l., 30.8.2022, 1 ♀, L. Schlosser leg., E. Huber det.

***Arboridia parvula* (BOHEMAN, 1845)**

Material examined. Bad Wimsbach-Neydharting, NSG Almbauern, 48.0406°N, 13.9190°E, 365 m a.s.l., 6.10.2022, 2 ♂♂, 2 ♀♀, L. Schlosser leg. & det.

***Arboridia velata* (RIBAUT, 1952)**

Material examined. Zaubertal, 48.3006°N, 14.2592°E, 319 m a.s.l., 13.6.2011, 1 ♀ on *Quercus*, G. Kunz leg & det.

***Arthaldeus striifrons* (KIRSCHBAUM, 1868)**

Material examined. Ottensheim, orchard meadow, 48.3295°N, 14.1625°E, 257 m a.s.l., 3.6.2019, 1 ♂, L. Schlosser leg. & det.; St. Florian, wildflower strips in wheat field, 48.1918°N, 14.3841°E, 290 m a.s.l., 20.6.2023, 1 ♀, L. Schlosser leg. & det.

***Artianus interstitialis* (GERMAR, 1821)**

Material examined. Mühlheim am Inn, waste dump at a gravel extraction site, 48.2791°N, 13.2435°E, 345 m a.s.l., 30.8.2022, 1 ♀, L. Schlosser leg. & det.

***Balclutha saltuella* (KIRSCHBAUM, 1868)**

Material examined. Ebensee, Grieseneckbach, 47.7647°N, 13.8342°E, 663 m a.s.l., 2.9.2024, 1 ♂, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Chloriona dorsata* EDWARDS, 1898**

Material examined. South of Karlstift, Stierhübelteich, peat bog, 48.5857°N, 14.7603°E, 890 m a.s.l., 22.6.2021, 1 ♂, iNaturalist, 2 nymphs, G. Kunz leg & det.

***Chloriona unicolor* (HERRICH-SCHÄFFER, 1835)**

Material examined. Feldkirchen an der Donau, Trespenwiese Landshaag, wet meadow, 48.3714°N, 14.0403°E, 350 m a.s.l., 3.6.2019, 5 ♂♂, L. Schlosser leg. & det.

***Chlorionidea flava* (LÖW, 1885)**

Material examined. Ebensee, Sonnstein, pine forest, 47.8166°N, 13.7728°E, 560 m a.s.l., 23.6.2023, 1 ♂, 1 ♀ on *Sesleria caerulea*, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Cicadula placida* (HORVÁTH, 1897)**

Material examined. St. Florian, wildflower stripes in a wheat field next to a small river, 48.1894°N, 14.3790°E & 48.1918°N, 14.3841°E, 290–310 m a.s.l., 20.6.2023, 3 ♂♂, L. Schlosser leg. & det.

***Cixius sticticus* (REY, 1891)**

Material examined. Ebensee, Hirschluke, gravel ridge 47.8225°N, 13.6516°E, 871 m a.s.l., 22.6.2024, 1 ♂ on *Pinus mugo*, iNaturalist, E. Lind leg., E. Lind & M. Le Cesne det.

***Cosmotettix aurantiacus* (FOREL, 1859)**

Material examined. Ebensee, spring fen, 47.7683°N, 13.8288°E, 644 m a.s.l., 14.8.2024, 2 ♂♂, 3 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, Offensee, wet cattle pasture, 47.7582°N, 13.8363°E, 651 m a.s.l., 4.7.2024, 2 ♀♀, iNaturalist, E. Lind leg., E. Lind & E. Kern det.

***Cosmotettix caudatus* (FLOR, 1861)**

Material examined. Leopoldschlag, wet meadow, 48.6425°N, 14.4589°E, 618 m a.s.l., 4.7.2023, 1 ♀, L. Schlosser leg. & det.

***Edwardsiana crataegi* (DOUGLAS, 1876)**

Material examined. Handenberg, Adenberg, 48.1424°N, 12.9912°E, 520 m a.s.l., 30.8.2022, 1 ♂, L. Schlosser leg. & det.

***Edwardsiana diversa* (EDWARDS, 1914)**

Material examined. Ottensheim, scattered orchard meadow, 48.3295°N, 14.1625°E, 257 m a.s.l., 3.6.2019, 1 ♂, L. Schlosser leg. & det.

***Edwardsiana flavescens* (FABRICIUS, 1794)**

Material examined. Ebensee, 47.7684°N, 13.8283°E, 651 m a.s.l., 16.9.2023, 1 ♂ from *Salix* sp., E. Lind leg. & det.

***Edwardsiana lamellaris* (RIBAUT, 1931)**

Material examined. Feldkirchen an der Donau, Trespenwiese Landshaag, 48.3714°N, 14.0403°E, 350 m a.s.l., 3.6.2019, 1 ♂, L. Schlosser leg. & det.

***Edwardsiana plurispinosa* WAGNER, 1935**

Material examined. Leopoldschlag, 48.6407°N, 14.4599°E, 637 m a.s.l., 4.7., 22.8., and 23.8.2023, 3 ♂♂, L. Schlosser leg. & det.

***Edwardsiana prunicola* (EDWARDS, 1914)**

Material examined. Rainbach im Mühlkreis, wet fallow, 48.5869°N, 14.4866°E, 687 m a.s.l., 29.6.2023, 1 ♂, L. Schlosser leg. & det.; Leopoldschlag, birch bog forest, 48.6422°N, 14.4595°E, 618 m a.s.l., 22.8.2023, 1 ♂, L. Schlosser leg. & det.

***Edwardsiana rosae* (LINNAEUS, 1758)**

Material examined. Ebensee, Sonnstein, 47.8212°N, 13.7724°E, 842 m a.s.l., 28.7.2024, 1 ♂, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Feldkirchen/Donau, Trespenwiese Landshaag, 48.3714°N, 14.0403°E, 350 m a.s.l., 3.6.2019, 4 ♂♂ on *Rosa* sp., L. Schlosser leg. & det.

***Euconomelus lepidus* (BOHEMAN, 1847)**

Material examined. Leopoldschlag, birch bog forest, 48.6422°N, 14.4595°E, 618 m a.s.l., 4.7.2023, 5 ♂♂, 4 ♀♀, L. Schlosser leg. & det.; Leopoldschlag, wet meadow, 48.6425°N, 14.4589°E, 618 m a.s.l., 4.7.2023, 4 ♂♂, 4 ♀♀, L. Schlosser leg. & det.

***Euides basilinea* (GERMAR, 1821)**

Material examined. Ebensee, 47.8082°N, 13.7765°E, 424 m a.s.l., 12.8.2022, 3 ♀♀, E. Lind leg., E. Lind & G. Kunz det.; Ebensee, 47.7681°N, 13.8289°E, 643 m a.s.l., 2.6.2025, 1 adult, iNaturalist, E. Lind leg. & det.

***Eupteryx calcarata* OSSIANNILSSON, 1936**

Material examined. Grein, Lehen, 48.2372°N, 14.8464°E, 325 m a.s.l., 1.6.2019, 1 ♂, 8 ♀♀, L. Schlosser leg. & det.; Grein, Lehen, nutrient-poor pasture, 48.2362°N, 14.8448°E, 285 m a.s.l., 1.6.2019, 1 ♂, L. Schlosser leg., E. Kern det.; Ottensheim, orchard meadow, 48.3283°N, 14.1570°E, 258 m a.s.l., 3.7.2019, 1 ♂, L. Schlosser leg., E. Kern det.; Rodlmündung Ottensheim, riparian habitats, 48.3285°N, 14.1691°E, 254 m a.s.l., 3.7.2019, 1 ♂, L. Schlosser leg., E. Kern det.; Pischelsdorf am Engelbach, Kleingollern, 48.1212°N, 13.0542°E, 465 m a.s.l., 30.8.2022, 5 ♂♂, L. Schlosser leg. E. Huber det.; Andorf, Moosleithen, 48.3846°N, 13.5777°E, 340 m a.s.l., 13.9.2022, 1 ♂, L. Schlosser leg. & det.; Waldkirchen am Wesen, Kager, riparian shrub, 48.4640°N, 13.7981°E, 285 m a.s.l., 13.9.2022, 1 ♂, L. Schlosser leg. & det.

***Eupteryx origani* (ZACHVATKIN, 1948)**

Material examined. Ebensee, 47.7702°N, 13.8297°E, 650 m a.s.l., 15.8.2024, 2 ♂♂, 3 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, 47.7668°N, 13.8402°E, 670 m a.s.l., 5.7.2025, 1 ♂, 3 ♀♀, iNaturalist, E. Lind leg.

Notes. This species lives in extensive pastures and grasslands, where it feeds on *Origanum vulgare*.

***Eupteryx urticae* (FABRICIUS, 1803)**

Material examined. Gramastetten, Hubertusstraße 5, Garten, 48.3793°N, 14.1959°E, 547 m a.s.l., 29.8.2018, L. Schlosser leg., E. Kern det.; orchard meadow, 48.3283°N, 14.1570°E, 258 m a.s.l., 3.7.2019, 2 ♂♂, L. Schlosser leg., E. Kern det.; Handenberg, Adenberg, 48.1424°N, 12.9912°E, 520 m a.s.l., 30.8.2022, 3 ♂♂, 3 ♀♀, L. Schlosser leg., E. Kern det.; Oberrudling, 48.3061°N, 13.969°E, 320 m a.s.l., 13.9.2022, 1 ♂, 1 ♀, L. Schlosser leg., E. Kern det.; Leopoldschlag, birch bog forest, 48.6422°N, 14.4595°E, 618 m a.s.l., 22.8.2023, 1 ♂, L. Schlosser leg., E. Kern det.

***Eupteryx vittata* (LINNAEUS, 1758)**

Material examined. Ottensheim, orchard meadow, 48.3283°N, 14.1570°E, 258 m a.s.l., 3.7.2019, 2 ♀♀, L. Schlosser leg., E. Kern det.

***Eurhadina loewii* (THEN, 1886)**

Material examined. Zaubertal, 48.3006°N, 14.2592°E, 319 m a.s.l., 13.6.2011, 1 ♀ on *Acer* sp., G. Kunz leg & det.

***Eurhadina pulchella* (FALLÉN, 1806)**

Material examined. Zaubertal, 48.3006°N, 14.2592°E, 319 m a.s.l., 13.6.2011, 3 ♂♂, G. Kunz leg & det.

***Euryula lurida* (FIEBER, 1866)**

Material examined. Klaffer am Hochficht, Schwarz Au, wet fallow, 48.7019°N, 13.8768°E, 605 m a.s.l., 2.6. and 12.7.2021, 8 ♂♂, 4 ♀♀, L. Schlosser leg. & det.; Ebensee, 47.7585°N, 13.8360°E, 650 m a.s.l., 5.6.2023, 1 ♀, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Grünau im Almtal, 47.7722°N, 13.9551°E, 580 m a.s.l., 20.6.2023, 1 ♂, E. Lind leg. & det.; Leopoldschlag, birch bog forest, 48.6422°N, 14.4595°E, 618 m a.s.l., 4.7.2023, 1 ♂, 1 ♀, L. Schlosser leg. & det.

***Fruticidia bisignata* (MULSANT & REY, 1855)**

Material examined. Linz, Schlossmuseum, 48.3052°N, 14.2830°E, 285 m a.s.l., 5.11.2023, 1 adult, iNaturalist, M. Knapp obs., H. Nickel & G. Kunz det.

***Hyalesthes obsoletus* SIGNORET, 1865**

Material examined. Kirchberg-Thening, 48.2503°N, 14.1612°E, 311 m a.s.l., 24.6.2024, 2 adults, C. Kreitzer et al. (Agrana) leg. & det.

***Iassus lanio* (LINNAEUS, 1761)**

Material examined. Zaubertal, 48.3006°, 14.2592°, 319 m a.s.l., 13.6.2011, 1 ♂, 2 ♀♀, G. Kunz leg & det.; Gmunden, 47.9129°N, 13.8073°E, 425 m a.s.l., 8.7.2023, 1 adult, iNaturalist, “kscgx” obs., E. Lind & G. Kunz det.; Gmunden, 47.9137°N, 13.8066°E, 425 m a.s.l., 8.7.2023, 1 nymph, iNaturalist, J. Kronberger obs., H. Nickel & E. Lind det.

***Idiocerus vicinus* MELICHAR, 1898**

Material examined. Ebensee, Grieseneckbach, 47.7647°N, 13.8355°E, 664 m a.s.l., 15.8.2024, several adults, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, Grieseneckbach, 47.7656°N, 13.8314°E, 662 m a.s.l., 2.9.2024, 2 ♀♀, iNaturalist, E. Lind, H. Nickel & E. Lind det.; Ebensee, Offenseebach, 47.7694°N, 13.7986°E, 608 m a.s.l., 27.3.2025, 3 ♂♂, 2 ♀♀, iNaturalist, E. Lind leg., H. Nickel & E. Lind det.; Offensee, 47.7656°N, 13.8314°E, 654 m a.s.l., 3.6.2025, 3 ♂♂, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Japananus hyalinus* (OSBORN, 1900)**

Material examined. Linz, Schlossmuseum Linz, 48.3047°N, 14.2819°E, 292 m a.s.l., 8.7.2023, 1 nymph, iNaturalist, M. Raab leg., G. Kunz det.

***Jassargus allobrogicus* (RIBAUT, 1936)**

Material examined. St Ägidi, NSG Sumpfwiese Walleiten, 48.4587°N, 13.7062°E, 580 m a.s.l., 13.9.2022, 1 ♂, L. Schlosser leg. & det.; Leopoldschlag, 48.6200°N, 14.4680°E, 731 m a.s.l., 23.8.2023, 1 ♂, L. Schlosser leg. & det.

***Kelisia guttulifera* (KIRSCHBAUM, 1868)**

Material examined. Ebensee, 47.7903° N, 13.7884° E, 1064 m a.s.l., 13.9.2025, 4 ♀♀ on *Carex remota*, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Kelisia irregularata* (HAUPT, 1935)**

Material examined. Ebensee, 47.7671°N, 13.8304°E, 644 m a.s.l., 17.9.2023, > 5 ♂♂, 10 ♀♀, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Ebensee, Jocherwiese, 47.8078°N, 13.7860°E, 424 m a.s.l., 12.8.2022, 1 ♂, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Ebensee, Sonnstein, 47.8186°N, 13.7724°E, 688 m a.s.l., 28.7.2024, 3 ♂♂, 4 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, brookside spring crop-out, 47.7695°N, 13.7984°E, 608 m a.s.l., 15.7.2024, 2 ♂♂, 4 ♀♀, iNaturalist, E. Lind leg. & det.

Notes. This species feeds in moist to intermittently moist, nutrient-poor habitats on *Carex flacca*.

***Kelisia monoceros* (RIBAUT, 1934)**

Material examined. Obertraun, Taubenkogel (Dachstein Mountains), 47.5142°N, 13.6714°E, 1789 m a.s.l., 25.8.2020, 1 ♀, M. Spiegel leg. & det.; Ebensee, Rinnerkogel, 47.7209°N, 13.8402°E, 1950 m a.s.l., 12.8.2024, 5 ♂♂, 3 ♀♀, iNaturalist, E. Lind leg. & det.; Ebensee, Grünberg, 47.7294°N, 13.8074°E, 1845 m a.s.l., 16.8.2024, 2 ♂♂, iNaturalist, E. Lind leg. & det.; Ebensee, nutrient-poor grassland, 47.7677°N, 13.8286°E, 640 m a.s.l., 14.8.2024, 2 ♂♂, 1 ♀, iNaturalist, E. Lind leg. & det.

***Itemixia pulchripennis* (ASCHE, 1980) (Figs 6–7)**

Material examined. Ebensee, succession area, 47.7654°N, 13.8308°E, 650 m a.s.l., 15.8.2022, 2 adults, E. Lind leg. & det.; Ebensee, spring fen / calcareous fen, 47.7676°N, 13.8296°E, 644 m a.s.l., 17.9.2023, > 10 adults, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Ebensee, Sonnstein, 47.8186°N, 13.7724°E, 675 m a.s.l., 28.7.2024, > 10 adults, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, Grünberg, 47.7293°N, 13.8072°E, 1841 m a.s.l., 16.8.2024, 1 adult, iNaturalist, E. Lind leg., E. Lind & M. de Haas det.; Ebensee, 47.7639°N, 13.8334°E, 659 m a.s.l., 14.8.2024, 2 adults, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, Quellried, alkaline fen, 47.7679°N, 13.8294°E, 644 m a.s.l., 10.8.2025, > 5 adults, 4 nymphs, iNaturalist, E. Lind leg. & det.

Notes. The sites comprise a sparsely wooded spring fen with *Molinia*, a moist slope, and a succession area, all situated in the Alpine foothill region in the south of Upper Austria. This species, monophagous on *Molinia* sp., is found in Germany and France, mainly in open pine forests on predominantly acidic and sandy soils (REMANE & FRÖHLICH 1994, NICKEL 2003, KUNZ et al. 2011). In Austria, however, the records are restricted to moist, swampy and temporarily wet habitats (HOLZINGER 2009b, MALENOVSKY 2013), and, until recently, only a few records were known from Styria and one from Vienna (HOLZINGER 2009a, 2009b, KUNZ & PLANK 2015). During recent leafhopper surveys, *L. pulchripennis* was recorded for the first time from both Upper and Lower Austria.

***Macropsis fuscinervis* (BOHEMAN, 1845)**

Material examined. Zaubertal, 48.3006°N, 14.2592°E, 319 m a.s.l., 13.6.2011, 1 ♂, G. Kunz leg & det.

***Macropsis fuscula* (ZETTERSTEDT, 1828)**

Material examined. Leopoldschlag, 48.6407°N, 14.4599°E, 637 m a.s.l., 4.7.2023, 1 ♂, L. Schlosser leg. & det.; Ebensee, 47.7883°N, 13.7940°E, 1103 m a.s.l., 8.8.2025, 1 ♀, iNaturalist, E. Lind leg. & det.

***Macropsis graminea* (FABRICIUS, 1798)**

Material examined. Zaubertal, 48.3006°N, 14.2592°E, 319 m a.s.l., 13.6.2011, 1 ♂, 1 ♀, G. Kunz leg & det.

***Macropsis haupti* (WAGNER, 1941)**

Material examined. Ebensee, Grieseneckbach, 47.7651°N, 13.8327°E, 660 m a.s.l., 15.8.2022, 2 ♀♀, 1 ♂ on *Salix purpurea*, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Ebensee, Grieseneckbach, 47.7668°N, 13.8402°E, 660 m a.s.l., 5.7.2025, 4 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Macropsis remanei* (NICKEL, 1999)**

Material examined. Ebensee, Grünbach, 47.7459°N, 13.8333°E, 689 m a.s.l., 14.6.2024, 5 ♀♀ on *Salix eleagnos*, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, Grieseneckbach, 47.7668°N, 13.8402°E, 670 m a.s.l., 5.7.2025, 1 ♂, 3 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Macropsis scutellata* (BOHEMAN, 1845)**

Material examined. NW Klaffer/Hochficht, Schwarz Au, wet fallow, 48.7019°N, 13.8768°E, 605 m a.s.l., 12.7.2021, 2 ♂♂, L. Schlosser leg. & det.; Rainbach im Mühlkreis, pioneer birch forest, 48.5918°N, 14.4852°E, 699 m a.s.l., 23.8.2023, 1 ♀, L. Schlosser leg. & det.

***Macrosteles alpinus* (ZETTERSTEDT, 1828)** (Figs 8–9)

Material examined. Ebensee, 47.7221°N, 13.8526°E, 1530 m a.s.l., 29.7.2024, iNaturalist, > 10 ♂♂, E. Lind leg., E. Lind & G. Kunz det.; Ebensee, Grünberg, 47.7233°N, 13.8190°E, 1632 m a.s.l., 7.8.2025, iNaturalist, E. Lind leg. & det.

Notes. The distribution of *M. alpinus* is limited to marshy habitats in the Alps, where taller sedges of the genus *Carex* are utilised as host plants.

***Macrosteles frontalis* (SCOTT, 1875)**

Material examined. Ebensee, Brunneck, 47.7703°N, 13.8298°E, 647 m a.s.l., 15.8.2024, > 5 ♂♂, iNaturalist, E. Lind leg. & det.

***Macrosteles horvathi* (WAGNER, 1935)**

Material examined. Rainbach im Mühlkreis, wet meadow, 48.5968°N, 14.4770°E, 712 m a.s.l., 7.6.2023, 4 ♂♂, L. Schlosser leg. & det.; Ebensee, Rinneralm, 47.7257°N, 13.8487°E, 1472 m a.s.l., 29.7.2024, 3 ♂♂, 5 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Macrosteles maculosus* (THEN, 1897)**

Material examined. Ebensee, nearly barren gravel bank of a Pre-Alpine river, 47.7648°N, 13.8342°E, 663 m a.s.l., 15.8.2024, 1 ♂, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

Notes. *Macrosteles maculosus* lives in warm, open habitats and is one of the less-known members of its genus.

***Macustus grisescens* (ZETTERSTEDT, 1828)**

Material examined. south of Karlstift, Große Heide, peat bog, 48.5688°N, 14.7607°E, 880 m a.s.l., 20.6.2021, 1 ♀, iNaturalist, G. Kunz leg & det.; south of Karlstift, Stierhübelteich, peat bog, 48.5857°N, 14.7603°E, 890 m a.s.l., 22.6.2021, 2 ♀♀, iNaturalist, G. Kunz leg & det.; south of Almsee, peat bog, 47.7722°N, 13.9551°E, 579 m a.s.l., 20.6.2023, 5 ♂♂, 4 ♀♀, E. Lind leg & det.

***Metalimnus formosus* (BOHEMAN, 1845)**

Material examined. Ebensee, Langbathsee, 47.8337°N, 13.6897°E, 665 m a.s.l., 15.8.2022 and 17.8.2024, 3 adults, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Großseggenried Offensee, 47.7574°N, 13.8389°E, 650 m a.s.l., 15.9.2023, 2 adults, E. Lind leg. & det.; Grünau im Almtal, stand of tall sedges, 47.7503°N 13.9475°E, 652 m a.s.l., 13.7.2024, 3 ♂♂, 4 ♀♀, iNaturalist, E. Lind leg., H. Nickel & E. Lind det.

***Mirabella albifrons* (FIEBER, 1879)**

Material examined. Ebensee, 47.7636°N, 13.8379°E, 660 m a.s.l., 27.3.2025, 2 ♂♂, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, ruderal area, 47.7653°N, 13.8308°E, 652 m a.s.l., 27.3.2025, 1 ♂, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Grünau im Almtal, 47.7713°N, 13.9550°E, 574 m a.s.l., 19.4.2025, 3 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, 47.7666°N, 13.8367°E, 677 m a.s.l., 10.8.2025, 1 ♂, 1 ♀, iNaturalist, E. Lind leg. & det.

***Metcalfa pruinosa* (SAY, 1830)**

Material examined. Hörsching, 48.2200°N, 14.1965°E, 286 m a.s.l., 22.8.2025, 1 adult, iNaturalist, P. Peinbauer obs., S. Macci & G. Kunz det.

***Neophilaenus campestris* (FALLÉN, 1805)**

Material examined. Grein, Lehen, 48.2372°N, 14.8464°E, 325 m a.s.l., 1.6.2019, 2 ♂♂, 3 ♀♀, L. Schlosser leg. & det.; Ottensheim, scattered orchard meadow, 48.3295°N, 14.1625°E, 257 m

a.s.l., 3.6.2019, 12 ♂♂, 18 ♀♀, L. Schlosser leg., E. Kern det.; St. Florian, wheat field, 48.1894°N, 14.3790°E, 310 m a.s.l., 20.6.2023, 1 ♂, L. Schlosser leg. & det.; Ottensheim orchard meadow, 48.3284°N, 14.1626°E, 257 m a.s.l., 3.6.2019, 15 ♂♂, 10 ♀♀, L. Schlosser leg., E. Kern det.; Goldwörth, embankment slope, 48.3144°N, 14.1029°E, 264 m a.s.l.; 3.6.2019, 1 ♂, 2 ♀♀, L. Schlosser leg., E. Kern det.

***Nothodelphax distincta* (FLOR, 1861)**

Material examined. Sandl, Seppenberg, peat bog, 48.5819°N, 14.6919°E, 972 m a.s.l., 19.7.2005, 1 adult, W. Paill, M.-A. Ritze & T. Zulka leg., G. Kunz det.

***Ommatidiotus dissimilis* (FALLÉN, 1806)**

Material examined. Tiefgraben, Wildmoos, peat bog, 47.8783°N, 13.3602°E, and 47.8775°N, 13.3611°E, 790 m a.s.l., 15.6. and 2.7.2018, 8 ♂♂, 6 ♀♀, 12 nymphs, C. Komposch et al. leg., E. Huber det.

***Oncopsis avellanae* EDWARDS, 1920**

Material examined. Leopoldschlag, 48.6407°N, 14.4599°E, 637 m a.s.l., 4.7.2023, 1 ♀, L. Schlosser leg. & det.

***Oncopsis carpini* (SAHLBERG, 1871)**

Material examined. Zaubertal, 48.3006°N, 14.2592°E, m a.s.l., 13.6.2011, 2 ♂♂, 2 ♀♀, G. Kunz leg. & det.

***Oncopsis subangulata* (SAHLBERG, 1871)**

Material examined. Zaubertal, 48.3006°N, 14.2592°E, m a.s.l., 13.6.2011, 2 ♂♂, 2 ♀♀, G. Kunz leg. & det.

***Ophiola russeola* (FALLÉN, 1826)**

Material examined. Tiefgraben, Wildmoos, peat bog, 47.8783°N, 13.3602°E, and 47.8775°N, 13.3611°E, 790 m a.s.l., 15.6. and 2.7.2018, 29 ♂♂, C. Komposch et al. leg., E. Huber det.

***Orientus ishidae* (MATSUMURA, 1902)**

Material examined. Neuhofen an der Krems, Julianaberg, 48.1340°N, 14.1987°E, 417 m a.s.l., 24.10.2021, 1 adult, iNaturalist, N. Wenzl obs., G. Kunz det.; Schiedlberg, 48.0914°N, 14.2708°E, 385 m a.s.l., 5.7.2022, 1 nymph, iNaturalist, G. Haberfellner obs., G. Kunz det.; Scharfling, 47.7988°N, 13.3957°E, 484 m a.s.l., 16.7.2023, 1 adult, iNaturalist, A. Dünser obs., G. Kunz det.

Notes. Several further observations have been uploaded to iNaturalist in 2025.

***Paluda flaveola* (BOHEMAN, 1845)**

Material examined. Leopoldschlag, wet meadow, 48.6425°N, 14.4589°E, 618 m a.s.l., 22.8.2023, 1 ♀, L. Schlosser leg. & det.

***Psammotettix helvolus* (KIRSCHBAUM, 1868) group**

Material examined. Grein, Lehen, 48.2372°N, 14.8464°E, 325 m a.s.l., 1.6.2019, 4 ♂♂, L. Schlosser leg. & det.

***Psammotettix nardeti* REMANE, 1965**

Material examined. Obertraun, Taubenkogel (Dachstein Mountains), 47.5058°N, 13.6525°E, 1996 m a.s.l., 23.7.2025 and 25.8.2025, 21 ♂♂, M. Spiegel leg. & det.; Ebensee, Totes Gebirge, 47.7196°N, 13.8521°E, 1543 m a.s.l., 29.7.2025, 3 ♂♂, iNaturalist, E. Lind leg., E. Lind & G. Kunz

det.; Ebensee, Grünberg, 47.7294°N, 13.8073°E, 1843 m a.s.l., 16.8.2025, 2 ♂♂, iNaturalist, E. Lind leg. & det.

***Reptalus quinquecostatus* (DUFOUT, 1833)**

Material examined. Kirchberg-Thening, 48.2503°N, 14.1612°E, 311 m a.s.l., 24.6.2024, 1 adult, C. Kreitzer et al. leg. & det.

***Rhytidodus decimusquartus* (SCHRANK, 1776)**

Material examined. Hartob Hacking, Hilkering, 48.3670°N, 13.9744°E, 276 m a.s.l., 9.2.2024, 1 adult, iNaturalist, T. Haab obs., E. Kern & G. Kunz det.

***Ribautiana tenerrima* (HERRICH-SCHÄFFER, 1834)**

Material examined. Handenberg, Adenberg, 48.1424°N, 12.9912°E, 520 m a.s.l., 30.8.2022, 3 ♂♂, 5 ♀♀, L. Schlosser leg. & det.; Oberrudling, 48.3061°N, 13.969°E, 320 m a.s.l., 13.9.2022, 1 ♂, 1 ♀, L. Schlosser leg., E. Kern det.

***Ribautodelphax collina* (BOHEMAN, 1847)**

Material examined. Leopoldschlag, wet meadow, 48.6425°N, 14.4589°E, 618 m a.s.l., 4.7.2023, 1 ♂, L. Schlosser leg. & det.; Leopoldschlag, forest edge, 48.6407°N, 14.4599°E, 637 m a.s.l., 4.7.2023, 2 ♂♂, mesotrophic grassland on roadside embankment, 48.5977°N, 14.4814°E, 710 m a.s.l., 4.7.2023 and 11.8.2023, 2 ♂♂, pathside embankment, 48.6193°N, 14.4674°E, 727 m a.s.l., 29.6.2023, 1 ♂, L. Schlosser leg. & det.; Rainbach im Mühlkreis, nutrient-poor grassland, 48.5836°N, 14.4807°E, 692 m a.s.l., 11.8.2023, 4 ♂♂, L. Schlosser leg. & det.

***Ribautodelphax imitans* (RIBAUT, 1953)**

Material examined. Ebensee, Offensee, 47.7653°N, 13.8308°E, 652 m a.s.l., 27.3.2025, 2 ♂♂, 1 ♀, iNaturalist, E. Lind leg. & det.; Offensee, pasture, 47.7589°N, 13.8359°E, 652 m a.s.l., 6.4.2025, 2 ♂♂, iNaturalist, E. Lind leg. & det.; Offensee, Daxner Weide, 47.7651°N, 13.7691°E, 543 m a.s.l., 14.4.2024, 2 ♂♂, 1 ♀, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Sagatus punctifrons* (FALLÉN, 1826)**

Material examined. Ebensee, Griebeneckbach, 47.7651°N 13.8327°E, 660 m a.s.l., 15.8.2022, 3 adults on *Salix purpurea*, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, 47.7647°N, 13.8358°E, 661 m a.s.l., 15.8.2024, 1 adult, iNaturalist, E. Lind leg. & det.; 03.06.2024, Ebensee, 47.7656°N, 13.8315°E, 559 m a.s.l., 3 adults and > 5 nymphs, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Stenidiocerus poecilus* (HERRICH-SCHÄFFER, 1835)**

Material examined. Ebensee, private garden 426 m a.s.l., 30.12.2023, 1 adult on *Taxus baccata*, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Reichersberg, riparian forest and reed bed, 48.3340°N, 13.3600°E, 315 m a.s.l., 30.8.2022, 1 ♂, L. Schlosser leg., E. Huber det.

***Stenocranus fuscovittatus* (STÄL, 1858)**

Material examined. Rainbach im Mühlkreis, wet meadow, 48.5968°N, 14.4770°E, 712 m a.s.l., 7.9.2023, 1 ♂, L. Schlosser leg. & det.

***Streptanus confinis* (REUTER, 1880)**

Material examined. Ebensee, Rinneralm, 47.7259°N, 13.8482°E, 1471 m a.s.l., 29.7.2024, 2 ♂♂, 3 ♀♀, iNaturalist, E. Lind leg. & det.

***Sorhoanus schmidtii* (WAGNER, 1939)**

Material examined. Grünau im Almtal, calcareous wet meadow, 47.7692°N, 13.8044°E, 580 m a.s.l., 13.7.2024, 1 ♂, iNaturalist, E. Lind leg., E. Lind, G. Kunz & H. Nickel det.

Notes. This species prefers extensively managed meadows and wetlands and is rarely found.

***Tettigometra impressopunctata* (DUFOR, 1846)**

Material examined. Kaisigen, 47.8296°N, 13.5612°E, 645 m a.s.l., 8.9.2022, 2 adults, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; St. Peter bei Freistadt, 48.5207°N, 14.4774°E, 698 m a.s.l., 22.3.2024, 1 adult, iNaturalist, E. Lind leg. & det.; Ebensee, 47.7684°N, 13.8400°E, 687 m a.s.l., 5.7.2025, 2 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, Spitzelsteinalm, 47.8123°N, 13.8105°E, 1022 m a.s.l., 20.9.2025, 10 adults, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

Notes. This species prefers thermophilic meadows and edges and is often associated with extensive grazing (HOLZINGER 2009b). Two adults were found in a sunny, extensively grazed meadow at the foot of the Höllengebirge mountains. Additional records have been reported from the Mühlviertel region on a sunny, sparsely wooded hilltop, and from a nutrient-poor meadow in the Offensee area of the Salzkammergut region.

***Tremulicerus tremulae* (ESTLUND, 1796)**

Material examined. Zaubertal, 48.3006°, 14.2592°, 319 m a.s.l., 13.6.2011, 1 ♂, 1 ♀, G. Kunz leg & det.

***Trigonocranus emmeae* FIEBER, 1876**

Material examined. Offensee Grieß, gravel bank of a Pre-Alpine river, 47.7668°N, 13.8402°E, 665 m a.s.l., 5.7.2025, 1 ♀, iNaturalist, E. Lind leg., E. Lind, H. Nickel & M. de Haas det.

Notes. This species, a representative of the family Cixiidae, spends most of its life cycle underground and thus is rarely found. Most observations are of macropterous females during their dispersal flights (NICKEL 2003). Its range extends throughout Europe and into the southeastern Caucasus.

***Typhlocyba quercus* (FABRICIUS, 1777)**

Material examined. Leopoldschlag, riparian vegetation, 48.5969°N, 14.4809°E, 4.7.2023, 700 m a.s.l., 5 ♂♂, L. Schlosser leg. & det.

***Ulopa reticulata* (FABRICIUS, 1794)**

Material examined. NW Klaffer am Hochficht, Schwarz Au, woodland edge with *Calluna*, 48.7026°N, 13.8754°E, 605 m a.s.l., 2.6. and 12.7.2021, 16 ♂♂, 9 ♀♀, L. Schlosser leg. & det. Tiefgraben, Wildmoos, peat bog, 47.8783°N, 13.3603°E, 790 m a.s.l., 2.7.2018, 1 ♀, C. Komposch et al. leg., E. Huber det.; Tiefgraben, Wildmoos, peat bog, 47.8777°N, 13.3614°E, 790 m a.s.l., 15.6.2018, 1 ♀, C. Komposch et al. leg., E. Huber det.

***Viridicerus ustulatus* (MULSANT & REY, 1855)**

Material examined. Ebensee, 426 m a.s.l., 2.1.2024, 2 ♂♂, 2 ♀♀ on *Taxus baccata*, iNaturalist, E. Lind leg. & det.

***Wagneriala incisa* (THEN, 1897)**

Material examined. Ebensee, Sonnstein, 47.8177°N, 13.7724°E, 578 m a.s.l., 28.7.2024, 3 ♀♀, iNaturalist, E. Lind leg., E. Lind, G. Kunz & H. Nickel det.

***Wagneriala minima* (J. SAHLBERG, 1871)**

Material examined. Ebensee, Sonnstein, 47.8190°N, 13.7716°E, 654 m a.s.l., 28.7.2024, iNaturalist, 2 ♀♀ on *Carex humilis*, E. Lind leg., E. Lind & G. Kunz det.

***Wagneriala sinuata* (THEN, 1897)**

Material examined. Ebensee, Sonnstein, 47.8169° N, 13.7729° E, 570 m a.s.l., 13.9.2025, 3 ♀♀ on *Carex flacca*, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Zygina flammigera* (GEOFFROY, 1785)**

Material examined. Reichersberg, riparian forest/reed bed, 48.3340°N, 13.3600°E, 315 m a.s.l., 30.8.2022, 1 ♂, L. Schlosser leg., E. Huber det.; Krenglbach, around fishpond, 48.2082°N, 13.9561°E, 310 m a.s.l., 27.8.2023, 1 adult, W. Holzinger leg. & det.

***Zygina hypermaculata* (REMANE & HOLZINGER, 1995)**

Material examined. Obertraun, Taubenkogel (Dachstein Mountains), edge of an alpine pasture, 47.5142°N, 13.6714°E, 1789 m a.s.l., 15.09.2020, 2 ♀♀ on *Hypericum maculatum*, M. Spiegel leg. & det.; Ebensee, Totes Gebirge, 47.7257°N, 13.8483°E, 1470 m a.s.l., 12.8.2024, 2 ♂♂, 5 ♀♀ on *Hypericum maculatum*, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

Notes. This species was first described from Bavaria and the Styrian part of the Salzkammergut region (REMANE & HOLZINGER 1995). It is regarded as subendemic in Austria (HOLZINGER 2009c).

***Zygina suavis* REY, 1891**

Material examined. St. Agatha, 48.3906°N, 13.9003°E, 575 m a.s.l., 13.9.2022, 1 ♂, L. Schlosser leg. & det.; Ebensee, 47.7653°N, 13.8333°E, 2.9.2024, 1 ♂, 1 ♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Ebensee, 47.7571°N, 13.8483°E, 2.1.2025, 2 ♂♂ on *Picea abies*, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Zygina tithide* FERRARI, 1882**

Material examined. Ebensee, private garden, 47.8043°N, 13.7789°E, 426 m a.s.l., 30.12.2023, 2 adults on *Taxus baccata*, E. Lind leg. & det.; Ebensee, Sonnstein, 47.8164°N, 13.7721°E, 568 m a.s.l., 30.12.2023, 1 ♂, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

New records for Vienna

The true hopper fauna of Vienna was comprehensively summarised by KUNZ et al. (2019), with 310 species recorded at that time. Since then, 42 additional species have been documented; these are listed below.

***Acericerus heydenii* (KIRSCHBAUM, 1868)**

Material examined. Hernals, 48.2276°N, 16.3038°E, 240 m a.s.l., 28.6.2018, iNaturalist, 1 adult, C. Pasterczyk obs., G. Kunz & E. Kern det.; Währing, Sternwartepark, 48.2314°N, 16.3342°E, 228 m a.s.l., 25.11.2019 and 6.2.2020, iNaturalist, 2 ♂♂, L. Timaeus leg., L. Timaeus & G. Kunz det.

***Acericerus vittifrons* (KIRSCHBAUM, 1868)**

Material examined. Kahlenbergerdorf, Jungherrnsteig, 48.2728°N, 16.3533°E, 188 m a.s.l., 13.11.2020, 2.2.2021, 23.3.2021, 19.11.2021, 25.2.2022, and 15.2.2023, 6 ♂♂, 1 ♀, iNaturalist, K. Zobel obs., E. Kern & G. Kunz det.

***Agallia consobrina* CURTIS, 1833**

Material examined. Währing, Sternwartepark, 48.2314°N, 16.3322°E, 231 m a.s.l., 22.6.2020, 1 adult, iNaturalist, L. Timaeus leg., G. Kunz det.; Währing, 48.2223°N, 16.3417°E, 214 m a.s.l., 12.9.2020, 1 adult, iNaturalist, L. Timaeus leg., G. Kunz det.; Klosterneuburg, Donauinsel, Phönixteich, 48.2913°N, 16.3505°E, 169 m a.s.l., 30.1.2025, 1 adult, iNaturalist, E. Lind leg., G. Kunz & E. Lind det.; Botanical Garden of the University of Vienna, 48.1948°N, 16.3832°E, 425 m a.s.l., 28.8.2025, 1 adult, iNaturalist, G. Kunz leg. & det.

***Anakelisia fasciata* (KIRSCHBAUM, 1868)**

Material examined. Hernals, Pötzleinsdorf, 48.2495°N, 16.2784°E, 307 m a.s.l., 29.10.2024, 1 ♂, 5 ♀♀ on *Carex riparia*, iNaturalist, E. Lind leg. & det.

***Arboridia pusilla* (RIBAUT, 1936)**

Material examined. Wien, Stammersdorf, forest edge, 48.3142°N, 16.4056°E, 224 m a.s.l., 26.9.2024, 2 ♂♂, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Arboridia velata* (RIBAUT, 1952)**

Material examined. Stammersdorf, 48.3149°N, 16.4084°E, 239 m a.s.l., 5.11.2023, 1 ♂, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Stammersdorf, 48.3150°N, 16.4091°E, 237 m a.s.l., 2.8.2024, 1 ♂, iNaturalist, E. Lind leg. & det.; Dornbach, 48.2404°N, 16.2613°E, 317 m a.s.l., 7.10.2024, 1 ♂, iNaturalist, E. Lind leg., E. Lind & E. Kern det.; Hernals, 48.2489°N, 16.2809°E, 301 m a.s.l., 17.9.2024, 1 ♂, iNaturalist, E. Lind leg. & det.; Sievering, 48.2587°N, 16.3101°E, 336 m a.s.l., 11.3.2025, 1 ♂, iNaturalist, E. Lind leg. & det.

***Balcanocerus pruni* (RIBAUT, 1952)**

Material examined. Favoriten, 48.1676°N, 16.3387°E, 223 m a.s.l., 30.1.2024, 1 ♀ on *Prunus spinosa*, iNaturalist, L. Timaeus obs., G. Kunz & E. Lind det.; Dornbach, Marswiese sport center, 48.2402°N, 16.2605°E, 306 m a.s.l., 7.8.2024 and 26.9.2025, 2 ♂♂, 1 ♀, iNaturalist, E. Lind obs., G. Kunz & E. Lind det.

***Chloriona unicolor* (HERRICH-SCHÄFFER, 1835)**

Material examined. Hadersdorf, 48.2194°N, 16.2262°E, 273 m a.s.l., 28.4.2024, 4 ♂♂, 1 ♀ on *Phragmites australis*, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Donauinsel, 48.2774°N, 16.3638°E, 161 m a.s.l., 27.5.2024, 5 ♂♂, 2 ♀♀ on *Phragmites australis*, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Donauinsel, on *Phragmites australis*, 48.2767°N, 16.3641°E, 161 m a.s.l., 30.6.2025, 2 ♂♂ on *Phragmites australis*, iNaturalist, E. Lind leg. & det.

***Chlorionidea flava* (Löw, 1885)**

Material examined. Kalksburg, 48.1400°N, 16.2463°E, 338 m a.s.l., 4.1.2024, 2 nymphs on *Sesleria caerulea*, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Cicadula flori* (J. SAHLBERG, 1871)**

Material examined. Lobau, 48.1913°N, 16.4841°E, 153 m a.s.l., 22.10.2025, 1 ♂, iNaturalist, E. Lind leg., G. E. Lind & G. Kunz det.

***Cixidia pilatoi* D'URSO & GUGLIELMINO, 1995**

Material examined. Favoriten, east of Kurpark Oberlaa, 48.1507°N, 16.4136°E, 206 m a.s.l., 19.6.2022, 1 adult, iNaturalist, H. Heimburg obs., G. Kunz det.; 18.6.2023, Lobau, 48.1765°N, 16.5488°E, 153 m a.s.l., 1 adult on *Quercus* sp., iNaturalist, A. Bürger obs., G. Kunz det.; Hirschstetten, 48.2539°N, 16.5094°E, 155 m a.s.l., 4.7.2023, 1 adult, iNaturalist, T. Oswald obs., E. Kern & G. Kunz det.

***Conomelus anceps* (GERMAR, 1821)**

Material examined. Hernals, Pötzleinsdorf, 48.2486°N, 16.2808°E, 301 m a.s.l., 12.6.2025, > 10 adults on *Juncus* sp., iNaturalist, E. Lind leg., E. Lind & E. Kern det.; Dornbach, 48.3144°N, 16.4034°E, 332 m a.s.l., 26.6.2024, 3 ♀♀, iNaturalist, E. Lind leg., E. Lind & E. Kern det.

***Conosanus obsoletus* (KIRSCHBAUM, 1858)**

Material examined. Hadersdorf, 48.2191°N, 16.2264°E, 269 m a.s.l., 7.9.2024, 1 ♂, 2 ♀♀, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Delphacodes capnodes* (SCOTT, 1870)**

Material examined. Aspern, Lobau, Mühlwasser, 48.1951°N, 16.476°E, 160 m a.s.l., 1.10.2024, 2 ♀♀, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Aspern, Lobau, 48.1911°N, 16.4847°E, 153 m a.s.l., 22.10.2025, 2 ♂♂, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Delphacodes venosus* (GERMAR, 1830)**

Material examined. Hernals, Pötzleinsdorf, 48.2493°N, 16.2760°E, 316 m a.s.l., 29.7.2025, 1 ♂, 2 ♀♀, iNaturalist, E. Lind leg. & det.; Hernals, Pötzleinsdorf, 48.2496°N, 16.2771°E, 312 m a.s.l., 26.2.2025, 1 ♂, iNaturalist, E. Lind leg. & det.

***Dictyophara multireticulata* MULSANT & REY, 1855**

Material examined. Leopoldsberg, dry vegetation, 48.2753°N 16.3517°E, 214 m a.s.l., 10.8.2024, 1 ♂, iNaturalist, E. Lind leg., M. Pélissié, E. Lind & G. Kunz det.; Leopoldsberg, 48.2754°N 16.3515°E, 214 m a.s.l., 10.7.2025, 2 nymphs, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

Notes. In Austria, two species of *Dictyophara* occur. *Dictyophara multireticulata* is much rarer and easily distinguished by its yellow forelegs. It has previously been reported from Burgenland and Lower Austria (HOLZINGER 2009b). Here, we present the first records from Vienna and the first photographs of a nymph (Figs 10–12).

***Eupteryx decemnotata* REY, 1891**

Material examined. Martinstraße, 48.2223°N, 16.3417°E, 208 m a.s.l., 18.3.2020, 11.4.2020, 24.4.2020, 2.5.2020, 23.5.2020, and 30.8.2021, several adults on *Salvia officinalis*, iNaturalist, L. Timaeus obs., G. Kunz & L. Timaeus det.; Währing, Währinger Park, 48.2325°N, 16.3497°E, 189 m a.s.l., 21.5.2020, 1 adult, iNaturalist, L. Timaeus obs., K. Kittelberger, G. Kunz & L. Timaeus det.; botanical garden of the University of Vienna, 48.1915°N, 16.3835°E, 425 m a.s.l., 24.9.2021, 4 adults, iNaturalist, G. Kunz leg. & det.

***Hephathus freyi* (FIEBER, 1868) (Figs 13–14)**

Material examined. Hernals, extensively managed meadow, 48.2422°N, 16.2581°E, 342 m a.s.l., 12.9.2024, 3 ♂♂, 2 ♀♀, 48.2423°N, 16.2584°E, 346 m a.s.l., 17.9.2024, 1 ♀, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

Notes. The genus *Hephathus* is represented in Austria by only two species (HOLZINGER 2009b). *Hephathus freyi* inhabits structurally diverse dry habitats such as extensively grazed pastures and xerothermic margins. Further possibly conspecific specimens from the Heck cattle pasture in the Lainzer Tiergarten in Vienna still need verification.

***Hyalesthes philesakis* HOCH, 1886**

Material examined. Kahlenbergerdorf, 48.2753°N, 16.3497°E, 220 m a.s.l., 4.7.2023, > 10 ♂♂ on *Ulmus* sp., iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Iassus mirabilis* OROSZ, 1979 (Figs 15–16)**

Material examined. Hernals, Pötzleinsdorf, 48.2474°N, 16.2784°E, 304 m a.s.l., 9.7.2025, 1 ♀, 48.2475°N, 16.2781°E, 304 m a.s.l., 1 ♂, 2 ♀♀, all on *Quercus cerris*, iNaturalist, E. Lind leg. & det.

***Idiocerus vicinus* MELICHAR, 1898**

Material examined. Donauinsel, 48.2822°N, 16.3567°E, 163 m a.s.l., 3.8.2025, 1 ♂, 2 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Kelisia confusa* LINNAVUORI, 1957**

Material examined. Hadersdorf, 48.2191°N, 16.2264°E, 269 m a.s.l., 7.9.2024, 1 ♂, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Hernals, 48.2496°N, 16.2767°E, 314 m a.s.l., 12.10.2024, 1 ♂, 3 ♀♀, iNaturalist, E. Lind leg. & det.

***Kelisia guttulifera* (KIRSCHBAUM, 1868)**

Material examined. Stammersdorf, 48.3155°N, 16.4099°E, 238 m a.s.l., 15.11.2023, 5 adults, E. Lind leg & det.; Stammersdorf, 48.3155°N, 16.4093°E, 239 m a.s.l., 2.8.2024, 3 ♂♂, 6 ♀♀, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.; Hernals, 48.2488°N, 16.2813°E, 301 m a.s.l., 12.6.2024, 2 ♂♂, 1 ♀, iNaturalist, E. Lind leg., E. Lind & E. Kern det.

***Kelisia praecox* HAUPT, 1935**

Material examined. Lainzer Tiergarten, Heck cattle pasture, 48.1652°N, 16.2502°E, 270 m a.s.l., 13.10.2023, Hietzing, 3 ♂♂, 5 ♀♀, E. Lind leg. & det.; Hernals, wet meadow, 48.2486°N, 16.2807°E, 302 m a.s.l., 17.10. and 15.11.2023, 3 ♂♂, 2 ♀♀, E. Lind leg. & det.; Hernals, Pötzleinsdorf, wet meadow, 48.2487°N, 16.2809°E, 302 m a.s.l., 21.4.2024, 1 ♀, iNaturalist, E. Lind leg., E. Lind & E. Kern det.

***Kybos virgator* (RIBAUT, 1933)**

Material examined. Floridsdorf, Donauinsel, 48.2812°N, 16.3578°E, 170 m a.s.l., 30.7.2025, 2 ♂♂ on *Salix alba*, iNaturalist, E. Lind leg. & det.

***Macropsis elaeagni* EMELJANOV, 1964**

Material examined. Währing, Währinger Park, 48.2328°N, 16.3495°E, 186 m a.s.l., 1.7.2024, 1 adult on *Elaeagnus angustifolia*, iNaturalist, L. Timaeus obs., G. Kunz det.; botanical garden of the University of Vienna, 48.1919°N, 16.3841°E, 425 m a.s.l., 28.8.2025, 1 adult, iNaturalist, E. Lind leg., G. Kunz & E. Lind det.

***Macropsis fuscula* (ZETTERSTEDT, 1828)**

Material examined. Döbling, Kahlenbergerdorf, 48.2715°N, 16.3482°E, 266 m a.s.l., 28.9.2023, 1 adult, iNaturalist, K. Zobel leg., K. Zobel & H. Nickel det.; Hernals, Pötzleinsdorf, 48.2496°N, 16.2798°E, 309 m a.s.l., 29.07.2025, iNaturalist, E. Lind det., E. Lind & G. Kunz det.

***Macropsis graminea* (FABRICIUS, 1798)**

Material examined. Floridsdorf, Donauinsel, 48.2772°N, 16.3633°E, 160 m a.s.l., 9.6.2025, 2 adults, iNaturalist, E. Lind leg., E. Lind, A. Stach & G. Kunz det.; botanical garden of the University of Vienna, 48.1902°N, 16.3831°E, 425 m a.s.l., 20.6.2025, 2 adults on *Populus nigra*, iNaturalist, E. Lind leg., E. Lind, & G. Kunz det.

***Macropsis gravesteini* WAGNER, 1953**

Material examined. Floridsdorf, Donauinsel, 48.2775°N, 16.3636°E, 160 m a.s.l., 27.5.2024 and 9.6.2025, 2 ♂♂, 4 ♀♀ from *Salix alba*, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Orientus ishidae* (MATSUMURA, 1902)**

Material examined. Althangrund, Augasse, 48.2313°N, 16.3583°E, 180 m a.s.l., 2.8.2019, 1 adult, iNaturalist, L. Timaeus leg., G. Kunz det.; Leopoldsberg, 48.2793°N, 16.3438°E, 417 m a.s.l., 31.8.2019, 1 adult, iNaturalist, G. Kunz leg. & det.

Notes. To date, more than 100 further observations from Vienna of this introduced species have been uploaded to iNaturalist.

***Pentastiridius leporinus* (LINNAEUS, 1761)**

Material examined. Währing, 48.2223°N, 16.3417°E, 210 m a.s.l., 9.7.2022, 1 ♀, iNaturalist, L. Timaeus leg., G. Kunz det.; Hütteldorf, Steinböckengasse, on light trap, 48.2141°N, 16.2634°E, 390 m a.s.l., 29.7.2023, 1 adult, iNaturalist, L. Timaeus & C. Purtscher obs., G. Kunz det.; Hadersdorf, 48.2191°N, 16.2264°E, 275 m a.s.l., 7.9.2024, 1 ♀, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Platymetopius complicatus* NAST, 1972**

Material examined. Leopoldsberg, 48.2765°N, 16.3460°E, 333 m a.s.l., 3.8.2025, 1 ♀ from *Quercus* sp., iNaturalist, E. Lind leg. & det.

***Reptalus cuspidatus* (FIEBER, 1876)**

Material examined. Kahlenbergerdorf, 48.2734°N, 16.3551°E, 183 m a.s.l., 27.7.2017, 1 adult, iNaturalist, K. Zobel leg., K. Zobel, A. Lantin & G. Kunz det.; Leopoldsberg, 48.2753°N, 16.3498°E, 247 m a.s.l., 16.6.2024, 3 adults, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Stenocranus major* (KIRSCHBAUM, 1868)**

Material examined. Aspern, Lobau, 48.1906°N, 16.4857°E, 155 m a.s.l., 8.1.2025, 2 ♂♂, iNaturalist, E. Lind leg. & det.; Neuwaldegg, 48.2496°N, 16.2769°E, 314 m a.s.l., 26.2.2025, 1 ♂, iNaturalist, E. Lind leg. & det.; Hernals, Pötzleinsdorf, wet meadow, 48.2487°N, 16.2808°E, 301 m a.s.l., 20.3.2025, 1 ♂, iNaturalist, E. Lind leg. & det.

***Scaphoideus titanus* BALL, 1932**

Material examined. Stammersdorf, 48.2980°N, 16.4194°E, 166 m a.s.l., 23.7.2025, 1 adult, iNaturalist, S. Wanzenböck leg., H. Nickel & G. Kunz det.

***Stroggylocephalus livens* (ZETTERSTEDT, 1840)**

Material examined. Lobau, 48.1913°N, 16.4841°E, 153 m a.s.l., 22.10.2025, 1 ♀, iNaturalist, J. Brechja leg., E. Lind & H. Nickel det.

***Tettigometra sulphurea* MULSANT & REY, 1855**

Material examined. Kahlenbergerdorf, 48.2737°N, 16.355°E, 173 m a.s.l., 16.10.2019, 1 adult, iNaturalist, K. Zobel obs., K. Zobel & G. Kunz det.; Kahlenbergerdorf, Waldbachsteig, 48.2746°N, 16.3520°E, 200 m a.s.l., 1.6.2020, 1 adult, iNaturalist, K. Zobel obs., K. Zobel & G. Kunz det.; Nussdorf, 48.2631°N, 16.3574°E, 230 m a.s.l., 11.6.2020, 1 adult on *Onopordum acanthium*, iNaturalist, L. Timaeus obs., L. Timaeus & G. Kunz det.; Stammersdorf, Herrenholz, 48.3164°N, 16.4054°E, 243 m a.s.l., 1.5.2021, 1 adult, iNaturalist, Elisabeth Glatzhofer obs., L. Timaeus & G. Kunz det.; Favoriten, Arsenalstraße, 48.1796°N, 16.3901°E, 200 m a.s.l., 7.5.2023, 1 adult on *Onopordum acanthium*, iNaturalist, J. Ahel obs., E. Kern & G. Kunz det.; Kalksburg, 48.136022°N, 16.241868°E, 248 m a.s.l., 24.5.2023, 1 adult, iNaturalist, P. Hoffmann Olsen obs., P. Hoffmann Olsen & G. Kunz det.; Meidling, Miép-Gies-Park, 48.1644°N, 16.3263°E, 205 m a.s.l., 27.4.2024, 1 adult, iNaturalist, L. Timaeus obs. & det.

Notes. Further observations have been uploaded to iNaturalist in 2025.

***Tettigometra virescens* (PANZER, 1799)**

Material examined. Botanical garden of the University of Vienna, 48.1915°N, 16.3835°E, 425 m a.s.l., 24.9.2021, 1 adult, G. Kunz leg. & det.; 48.1921°N, 16.3841°E, 425 m a.s.l., 29.8.2025, 1 adult, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.; Lainzer Tiergarten, Heck cattle pasture west of Hohenauer Teich, 48.1653°N, 16.2503°E, 270 m a.s.l., 26.10.2023, 1 adult, iNaturalist, E. Lind leg., E. Kern & G. Kunz det.; Dornbach, Sportzentrum Marswiese, 48.2412°N, 16.2619°E, 328 m a.s.l., 17.9.2024, 1 adult, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Wagneriala incisa* (THEN, 1897)**

Material examined. Stammersdorf, Herrenholz, 48.3139°N, 16.4079°E, 225 m a.s.l., 15.10.2023 and 2.8.2024, 1 ♂, 2 ♀♀, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

***Xanthodelphax straminea* (STÅL, 1858)**

Material examined. Lainzer Tiergarten, Heck cattle pasture west of Hohenauer Teich, 48.1651°N, 16.2504°E, 270 m a.s.l., 2.5.2024, 1 adult, iNaturalist, E. Lind leg., E. Kern & G. Kunz det.

***Zygina suavis* REY, 1891**

Material examined. 22.10.2025, Aspern, Lobau, 48.1943°N, 16.4795°E, 156 m a.s.l., 3 ♂♂, iNaturalist, E. Lind leg., E. Lind & H. Nickel det.

***Zygina tithide* FERRARI, 1882**

Material examined. Kahlenbergerdorf, Waldbachsteig, 48.2751°N, 16.3509°E, 200 m a.s.l., 11.11.2015, 1 adult, iNaturalist, K. Zobel, K. Zobel, E. Dolis & G. Kunz det.; Nußdorf, Nußdorfer Lände, 48.2732°N, 16.3542°E, 194 m a.s.l., 27.11.2023, 1 adult on *Rubus* sp., 48.2555°N, 16.3698°E, 170 m a.s.l., 10.12.2023, 1 adult, iNaturalist, K. Zobel obs., K. Zobel, H. Nickel & G. Kunz det.; Brigittenau, Anton-Kummer-Park, 48.2359°N, 16.3623°E, 163 m a.s.l., 15.12.2023, 1 adult, iNaturalist, K. Zobel obs., K. Zobel & G. Keresztes det.; Althangrund, Bertha-Zuckerlandl-Weg, 48.2315°N, 16.3619°E, 160 m a.s.l., 27.12.2023, 2 adults, iNaturalist, K. Zobel obs., K. Zobel & G. Kunz det.; 4.1.2024, Kalksburg, Kalksburger Grat, 48.1400°N, 16.2463°E, 339 m a.s.l., 1 adult, iNaturalist, E. Lind leg., E. Lind & G. Kunz det.

Notes. Several further findings from Vienna have been uploaded to iNaturalist in 2025 by K. Zobel & E. Lind.

Discussion

The first records presented here can be attributed to several factors. On the one hand, they reflect range expansions of certain species, as exemplified by *Balclutha frontalis* (FERRARI, 1882), *Zygina tithide* FERRARI, 1882, and *Lindbergina aurovittata* (DOUGLAS, 1875) as well as several other taxa recently reported for the first time in Austria (KUNZ et al. 2025). On the other hand, they highlight regions that have been poorly studied in terms of their true hopper fauna, such as Upper Austria, suggesting that several of the species listed here are likely more widespread within the federal state. In addition, some findings represent cases of natural rarity, including *Sorhoanus schmidtii* (WAGNER, 1939), *Hephathus freyi* (FIEBER, 1868) or *Trigonocranus emmeae* FIEBER, 1876. These records are of high conservation relevance and provide valuable opportunities to gain further insight into the ecology of these rarely encountered and potentially declining species.

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