

Dupla Graecensia Lichenum (numbers 1331–1390)

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OBERMAYER Walter. 2023: Dupla Graecensia Lichenum (numbers 1331–1390). - Fritschiana (Graz) 101: 1–18. - ISSN 1024-0306.

Abstract: The exsiccata shipment 'Dupla Graecensia Lichenum (numbers 1331–1390)' comprises 60 collections (413 specimens) of lichen duplicates from the following 12 countries: Austria (states of Carinthia, Salzburg, Styria, Upper Austria, and Vorarlberg), Croatia (Island of Krk), Greece (Island of Paros), Ireland, Italy (autonomous region Aosta Valley), Nepal (Dolpo Region), Russia (Republic of Buryatia), Slovenia, Spain (Canary Islands), Switzerland (Canton of Bern), United Kingdom (England), and U.S.A (states of Alaska, Florida, and Montana). TLC-investigations were carried out for 18 issued taxa.

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Introduction

The dwarf-exsiccata 'Dupla Graecensia Lichenum' is issued by the herbarium of the Institute of Biology (botany section) of the University of Graz, Austria (international herbarium acronym: GZU). It includes lichens (and sometimes lichenicolous fungi or other, not lichenized fungi with a lichen-like habit) from all over the world with at least five duplicates of each collection. Each institution receiving a duplicate is cited (at the bottom line of each individual label) with its international herbarium acronym: The herbaria in Canberra (CANB), Graz (GZU), Munich (M), New York (NY), and Uppsala (UPS) are receiving specimens of all distributed numbers continuously. 'Dupla Graecensia Lichenum' is published as text version (with online corrections) under <https://static.uni-graz.at/fileadmin/nawi-institute/Botanik/Fritschiana/Dupla-Graecensia-Lichenum/dupla-graecensia-lichenum-text-version-only.htm>. A downloadable PDF-file can be found under <https://static.uni-graz.at/fileadmin/nawi-institute/Botanik/Fritschiana/fritschiana-101/2023-Dupla-Graecensia-Lichenum-1331-1390-Obermayer.pdf>.

Label texts originally drafted in a local language have been translated into English by the author. The names of authors of lichenized fungi are given in a NOT abbreviated style and are (mostly) taken from <https://www.mycobank.org/>. The geographical classification system of the European Alps (using the terms 'Western Alps' and 'Eastern Alps') follows a classification used by Sergio MARAZZI (2005): Atlante orografico delle Alpi. SOIUSA. Suddivisione orografica internazionale unificata del Sistema Alpino. - Priuli & Verluccha (Scarmagno).

The following lichenologists have kindly provided specimens from their herbaria (the number of contributions is given in parentheses; the number of my collections is 34): Ralph COMMON (1), Josef HAFELLNER (11), Helmut MAYRHOFFER (3), Matthias SCHULTZ (1), Toby SPRIBILLE (1), Roman TÜRK (8), and Gennadi URBANAVICHUS (1). Josef HAFELLNER and Christian SCHEUER have kindly checked the label text.

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1331. ***Alyxoria varia*** (Persoon) Ertz & Tehler

[recently used synonym: *Opegrapha varia*]

AUSTRIA, Steiermark (= Styria), Eastern Alps, Northern Limestone Alps, Ennstaler Alpen, Haller Mauern, 6 km north of Admont, just north of Mühlau, 47°37'40"N, 014°26'20"E, (grid number 8352/4), elevation 750 m, stand of old cider pear trees in a meadow, on stem bark of *Pyrus communis*. – 28 October 2007, collected by Josef Hafellner (69097) and Lucia Muggia, determined by Josef Hafellner.

distributed to: **CANB, E, GZU, HMAS, M, NY, UPS, hb.Kalb**

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1332. ***Amandinea punctata*** (Hoffmann) Coppins & Scheidegger

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Koralpe, Reinischkogel massif, 6.3 km west of 'St. Stefan ob Stainz', orographical right slopes of the valley Mausegger Graben, 'Sporiroaofen', 46°55'45"N, 015°10'20"E, (grid number 9057/3), elevation 780 m, gneissic outcrops (in a mixed forest), on inclined faces of temporarily shaded gneiss ledges. – 5 June 2006, collected and determined by Josef Hafellner (68424) and Lucia Muggia.

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1333. ***Arthonia atra*** (Persoon) Albert Schneider

[recently used synonym: *Opegrapha atra*]

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, Raabklamm (orographically right side of the river Raab), 4.3 km west-southwest of Weiz, 0.2 km northwest of a water power station, near a dilapidated saw mill, 47°12'30"N, 015°34'15"E, (grid number 8759/3), elevation 470 m, riparian forest, on stem bark of *Fraxinus excelsior*. – 26 October 2009, collected and determined by Josef Hafellner (74665).

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1334. ***Bilimbia sabuletorum*** (Schreber) Arnold

SWITZERLAND, Kanton Bern, Berner Alps, 1.7 km south of the centre of Meiringen, road from Meiringen to Rosenlauri, near the inn Zwirgi, 46°42'45"N, 008°10'15"E, elevation 980 m, roadside trees, on bryophytes (covering the bark of *Acer pseudoplatanus*). – 24 August 2006, collected and determined by Josef Hafellner (77485).

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1335. *Blastenia coccinea* Müller Argoviensis

[recently used synonym: *Caloplaca coccinea*]

ITALY, Valle d'Aosta (Aosta Valley), Western Alps, Alpi Graie, Monte Bianco (Mont Blanc) group, Val Veny west of Courmayeur, ridge area west of the Rifugio Elisabetta Soldini, 45°45'58"N, 006°50'05"E, elevation 2250 m, cliffs and boulders of Jurassic limestone on a slope exposed to the north, on steep rock faces of calcareous cliffs. – 30 July 2001, collected and determined by Josef Hafellner (85852) [excursion together with Pier Luigi Nimis and Mauro Tretiach].

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1336. *Blastenia herbidella* (Hue) Servít

[recently used synonym: *Caloplaca herbidella*]

ITALY, Valle d'Aosta (Aosta Valley), Western Alps, Alpi Graie Centrali, Val Veny west of Courmayeur, Pian Veny near La Visaille, 45°47'40"N, 006°54'50"E, elevation 1550 m, coniferous forest rich in *Larix decidua*, on bark of *Larix decidua*. – 30 July 2001, collected and determined by Josef Hafellner (87073) [excursion together with Pier Luigi Nimis and Mauro Tretiach].

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1337. *Bryoria taboronsis* (Gyelnik) Hafellner & Obermayer

AUSTRIA, Steiermark (= Styria), Eastern Alps, Noric Alps, east facing slopes of the Seetaler Alpen ('Zirbitzkogel-Gebiet'), 11 km southwest of the centre of Judenburg, forest area between a parking site and the Winterleitenhütte, 47°05'38"N, 014°34'24"E, (grid number 8953/1), elevation 1760 m, in the shade of a mixed forest with *Picea abies*, *Pinus cembra*, and *Larix decidua*, on twigs of *Larix decidua*. – 9 July 2022, collected and determined by Walter Obermayer (15898).

Note: TLC (609/17; specimen in GZU tested): fumarprotocetraric acid. All specimens tested with KOH (no reaction) and Pd (reddish). All specimens with soralia. An admixture of other *Bryoria* species cannot be excluded.

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1338. *Calicium glaucellum* Acharius

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, Schöckl area, southeast facing slopes, 2.2 km north-northwest of the centre of Sankt Radegund, 'Prisca-Steig' near 'Weiße Wand', 47°11'54"N, 015°28'36"E, (grid number 8858/2), elevation 1250 m, mixed forest (over calcareous ground), on wood of a lying rotten log (south-exposed). – 18 March 2023, collected and determined by Walter Obermayer (15996).

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1339. *Calicium tigillare* (Acharius) Persoon

[recently used synonym: *Cyphelium tigillare*]

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 2.4 km north-northwest of the centre of Sankt Radegund, Schöckl, 60 m southeast below Schöcklkopf ('Schöckl-Ostgipfel'), 47°12'03"N, 015°28'33"E, (grid number 8758/2), elevation 1400 m, meadow in a steep, southeast facing slope (with outcrops of calcareous rocks), on wood (vertical faces of a tree stump). – 29 December 2022, collected and determined by Walter Obermayer (16004).

Note: TLC (613/19; specimen in GZU tested): rhizocarpic acid, unknown yellow pigment (3-4/3/5), unknown substance (min.; 4-5/6-7/5-6). In several specimens, the spores were examined to establish whether the spores were two-celled (in *C. tigillare*) or submuriform (in *C. notarisii*).

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**1340. *Catillaria nigroclavata* (Nylander) Julius Steiner -
[aggregate]**

AUSTRIA, Steiermark (= Styria), Southeastern Alpine Foreland (=Südöstliches Alpenvorland), Oststeirisches Riedelland, urban area of Graz, 500 m southwest of the pond 'Hilmteich', near the eastern entrance to the botanical garden (Holteigasse), 47°04'57"N, 15°27' 26"E, (grid number 8958/2), elevation 376 m, arboretum, on twigs of a felled *Fagus sylvatica*. – February 2021, collected and determined by Walter Obermayer (15753).

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1341. *Chaenotheca chrysocephala* (Acharius) Theodor Fries

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, Schöckl area, southeast facing slopes, 2.2 km north-northwest of the centre of Sankt Radegund, 'Prisca-Steig' near 'Weiße Wand', 47°11'55–59"N, 015°28'36"E, (grid number 8858/2), elevation 1250–1350 m, edge of a mixed forest, on bark and wood of a dead *Larix decidua*. – 18 March 2023, collected and determined by Walter Obermayer (16036).

Note: Partly intermixed with *Chaenotheca ferruginea*.

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1342. *Chaenotheca ferruginea* (Turner ex Smith) Migula

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, Schöckl area, southeast facing slopes, 2.2 km north-northwest of the centre of Sankt Radegund, 'Prisca-Steig' near 'Weiße Wand', 47°11'55–59"N, 015°28'36"E, (grid number 8858/2), elevation 1250–1350 m, edge of a mixed forest, on bark of a dead *Larix decidua*. – 18 March 2023, collected and determined by Walter Obermayer (16037).

Note: Partly intermixed with *Chaenotheca chrysocephala*. In some specimens, the thalli are almost completely uniformly grey in colour with only a few orange spots.

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1343. *Cladonia convoluta* (Lamarck) Anders

GREECE, Island of Paros, 5 km southeast of the harbour of Parikia, 2.6 km southwest of the centre of Lefkes, 200 m northeast of the summit of Profitis Ilias (= Aghii Pantes = Mar-pessa), 37°02'50"N, 025°10'50"E, elevation 730 m, phrygana vegetation, on ground. – 14 September 2013, collected and determined by Walter Obermayer (16121).

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1344. *Cladonia furcata* (Hudson) Schrader

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Gleinalpe, south of Terenbachalm, 14.5 km north-northwest of the centre of Köflach, forest area 1.25 km northwest of 'Oskar Schauer Sattelhaus', 47°10'20"N, 014°58'55"E, (grid number 8855/2), elevation 1560 m, mixed forest with *Picea abies* and *Larix decidua*, on ground. – 17 November 2023, collected and determined by Walter Obermayer (16240).

Note: TLC (627/21): fumarprotocetraric acid. Specimens in GZU, CANB, NY, UPS, and hb.Kalb with apothecia.

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1345. *Cladonia macroceras* (Delise) Ahti

AUSTRIA, Steiermark (= Styria), Eastern Alps, Noric Alps, east facing slopes of the Seetaler Alpen ('Zirbitzkogel-Gebiet'), 11.5 km southwest of the centre of Judenburg, 800 m southwest of Winterleitenhütte, cirque area south of the shore of "Großer Winterleitensee", 47°05' 34"N, 014°34'14"E, (grid number 8953/1), elevation 1850–1900 m, mixed forest (with dominant *Pinus cembra*) with siliceous boulders, on ground between small boulders. – 30 October 2022, collected and determined by Walter Obermayer (16009 [and 16009b]).

Note: TLC (616/05, 606/02; specimen in GZU tested): fumarprotocetraric acid. The specimens contain two separate collections mounted on two cards. Both collections grew close together as two densely tufted aggregates.

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1346. *Cladonia pyxidata* (Linnaeus) Hoffmann - [aggregate]

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 2.4 km north-northwest of the centre of Sankt Radegund, Schöckl, 60 m southeast below Schöcklkopf ('Schöckl-Ostgipfel'), 47°12'02"N, 015°28'29"E, (grid number 8758/4), elevation 1405 m, edge of a forest, on earthy substrate and bryophytes (over limestone). – 22 October 2023, collected and determined by Walter Obermayer (16213).

Note: TLC (624/01; specimen in GZU tested): fumarprotocetraric acid.

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1347. *Diploicia canescens* (Dickson) Abramo Massalongo

IRELAND, Sligo County, Drumcliff (= Drumcliffe = Droim Chliabh), 54°19'51"N, 008°30' 06"W, elevation 45 m, on bark of a deciduous tree. – 15 August 2016, collected and determined by Roman Türk (65096).

Note: TLC (614/10; specimen in GZU tested): atranorin, chloroatranorin (major), diploicin (major) and three other related substances (in lower concentration), secalonin acids.

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1348. *Diploschistes muscorum* (Scopoli) Rolf Santesson
[parasitic on squamules and podetia of species of *Cladonia*]

AUSTRIA, Oberösterreich (= Upper Austria), Nördliches Alpenvorland, Linz an der Donau, main railway station, flat roof of the parcel sorting building, 48°17'18"N, 014°17'20"E, (grid number 7751/2), elevation 283 m, on gravel layer (on the flat roof). – 25 March 2016, collected and determined by Roman Türk (56261), Franz Berger and Othmar Breuß.

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1349. *Diplotomma alboatrum* (Hoffmann) Flotow - [aggregate]

GREECE, Island of Paros, 6 km southeast of the harbour of Parikia, east facing slopes of the mountain Profitis Ilias (= Aghii Pantes = Marpessa), 2.2 km southwest of the centre of Lefkes, 37°02'27"N, 025°11'30"E, elevation 540 m, phrygana vegetation, on twigs of *Spartium junceum*. – 14 September 2013, collected and determined by Walter Obermayer (16120).

Note: The apothecia do not show any pruina. All specimens intermixed with *Xanthoria parietina*.

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1350. *Dirinaria purpurascens* (Vainio) Barbara Jo Moore

U.S.A., Florida, Pasco County, Zephyrhills, Woodfern Avenue, 28°14'46"N, 082°11'31"W, elevation 35 m, on branches of an ornamental tree. – 25 July 2019, collected and determined by Ralph Common (10338b).

Note: TLC (628/15; specimen in GZU tested): divaricatic acid, atranorin, chloroatranorin, unknown UV-366 strong pinkish-white spot (before and after H₂SO₄ treatment) at the height of atranorin/chloroatranorin in solvent A, B', and C, one terpenoid running at the height of zeorin (maj.), further unknown terpenoids, unknown (greyish) pigment seen in daylight (3-4/2/5-6).

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1351. *Flavoparmelia caperata* (Linnaeus) Hale

CROATIA, Island of Krk, west coast, just north of Malinska, along the access road to the "Lost Place Halodovo Hotel", 45°07'50"N, 014°31'43"E, elevation 25 m, alley trees, on bark of *Pinus* and *Prunus*. – 28 May 2013, collected and determined by Walter Obermayer (16072).

Note: Specimen in GZU with apothecia.

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1352. *Flavopunctelia flaventior* (Stirton) Hale

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 1.5 km south of Semriach, 300 m east of the entrance area of Kesselfallklamm, 47°12'12"N, 015°24'11"E, (grid number 8758/3), elevation 650 m, mixed forest (south facing slope with limestone cliffs), on bark of *Carpinus betulus* (trunk in a strongly inclined position). – 17 November 2023, collected and determined by Walter Obermayer (16239).

Note: TLC (627/19; specimen in GZU tested): usnic acid, lecanoric acid, 5-chlorolecanoric acid (tr.).
Some specimens with intermixed *Parmelina tiliacea*.

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**1353. *Glaucomaria rupicola* (Linnaeus) Paul Cannon
subsp. *sulphurata* (Ach.) ined.**

[recently used synonym: *Lecanora rupicola* subsp. *sulphurata*]

GREECE, Island of Paros, 1.9 km west of the harbour of Naoussa, rock formations between the beach area of Kolymbithres and the main street, 37°07'48"N, 025°12'59"E, elevation 7 m, siliceous rock outcrops, on rock surfaces. – 15 September 2013, collected and determined by Walter Obermayer (16123).

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1354. *Graphis scripta* (Linnaeus) Acharius - [aggregate]

AUSTRIA, Steiermark (= Styria), Southeastern Alpine Foreland (= Südöstliches Alpenvorland), Oststeirisches Riedelland, 8.8 km east of the centre of Graz, 2.5 km west-northwest of Laßnitzhöhe, Äußere Ragnitz, 300 m south-southwest of Doktorbauer, 47°05'10"N, 015°33'03"E, (grid number 8959/1), elevation 480 m, brook in a mixed forest, on twigs of *Carpinus betulus* (at the brookside). – 18 October 2020, collected and determined by Walter Obermayer (15381).

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1355. *Lecanora glabrata* (Acharius) Malme

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 1.2 km south-southwest of Semriach, entrance area of Kesselfallklamm, 47°12'13"N, 015°24'00"E, (grid number 8758/3), elevation 600 m, mixed forest (southwest facing slope with limestone outcrops), on bark of *Carpinus betulus*. – 27 October 2022, collected and determined by Walter Obermayer (16006).

Note: TLC (616/04; specimen in GZU tested): atranorin, "glabrata-unknown". Some specimens show intermixed *Lecanora subrugosa*.

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1356. *Lecanora saligna* (Schrader) Zahlbruckner

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 2.4 km north-northwest of the centre of Sankt Radegund, Schöckl, 60 m southeast below Schöcklkopf ('Schöckl-Ostgipfel'), 47°12'03"N, 015°28'33"E, (grid number 8758/2), elevation 1400 m, meadow in a steep, southeast facing slope (with outcrops of calcareous rocks), on wood (vertical faces of a tree stump). – 29 December 2022, collected and determined by Walter Obermayer (16043).

Note: TLC (617/10; specimen in GZU tested): isousnic acid.

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1357. *Lecanora subintricata* (Nylander) Theodor Fries

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 2.4 km north-northwest of the centre of Sankt Radegund, Schöckl, 60 m southeast below Schöcklkopf ('Schöckl-Ostgipfel'), 47°12'03"N, 015°28'33"E, (grid number 8758/2), elevation 1400 m, meadow in a steep, southeast facing slope (with outcrops of calcareous rocks), on wood (vertical faces of a tree stump). – 29 December 2022, collected and determined by Walter Obermayer (16042).

Note: TLC (617/09; specimen in GZU tested): usnic acid (maj.), brialmontin (?; tr.).

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OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1358. *Lepraria vouauxii* (Hue) Richard Clinton Harris

[recently used synonym: *Leproloma vouauxii*]

[all specimens partly overgrown with *Lepraria finkii* (Bouly de Lesdain) Richard Clinton Harris]

AUSTRIA, Steiermark (= Styria), Southeastern Alpine Foreland (= Südöstliches Alpenvorland), Oststeirisches Riedelland, urban area of Graz, Schubertstraße, 150 m southwest of the pond 'Hilmteich', 47°04'57"N, 15°27'31"E, (grid number 8958/2), elevation 374 m, avenue trees, on bark of *Aesculus hippocastanum*. – 6 December 2022, collected and determined by Walter Obermayer (16007).

Note: TLC (618/18, 619/19; specimen in GZU tested): pannaric acid-6-methyl ester, 4-oxypannaric acid 2-methyl ester [stictic acid complex from intermixed *L. finkii*]. Pieces of bark with more *Lepraria vouauxii* (with a slightly yellowish thallus) are glued to the left side of the cards, those with more *L. finkii* (with a greyish thallus) to the right side.

distributed to: **CANB, GZU, M, NY, UPS**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

1359. *Lepraria vouauxii* (Hue) Richard Clinton Harris

[recently used synonym: *Leproloma vouauxii*]

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Gleinalpe, 13 km north-northwest of the centre of Köflach, 100 m northwest of 'Oskar Schauer Sattelhaus', 47°09'57"N, 014°59'32"E, (grid number 8855/2), elevation 1390 m, slope of a forestry road, on bryophytes covering an almost vertical surface of a small marble outcrop (near the ground). – 17 November 2023, collected and determined by Walter Obermayer (16221).

Note: TLC (627/11-18; all issued specimens tested): pannaric acid-6 methylester (including related dibenzofurans in lower concentration), unknown fatty acid (3/4-5/5).

distributed to: **CANB, E, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1360. *Melanohalea exasperata* (De Notaris) Oscar Blanco et al.

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 3.9 km south-southwest of the centre of Sankt Jakob-Breitenau, 1 km southwest of the summit of Hochlantsch, 700 m northeast of the tavern "Zum Guten Hirten", 47°21'28"N, 015°24' 40"E, (grid number 8658/1), elevation 1310 m, open pasture with scattered trees, on branches of *Acer pseudoplatanus* (freshly cut off and stored on the ground). – 3 October 2021, collected and determined by Walter Obermayer (15625).

Note: Specimen in GZU intermixed with *Xanthoria parietina* and *Physcia stellaris* (including the lichenicolous fungus *Illosporopsis christiansenii*).

distributed to: **CANB, E, GZU, M, NY, UPS, hb.Kalb**

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1361. *Nephroma arcticum* (Linnaeus) Torssell

U.S.A., Alaska, Kenai Peninsula Borough, west of Seward Highway (Alaska Highway 1), 9 km north-northeast of Quartz Creek Airport, along the Devil's Creek Trail, between the bridge crossing the Quartz Creek and the valley entrance of the Devil's Creek, 60°32'50"N, 149°37'20"W, elevation 310 m, patch of cool-temperate rainforest with dominant *Tsuga mertensiana*, on bryophytes (covering a talus). – 29 August 2010, collected by Josef Hafellner (87351) and Lucia Muggia, determined by Josef Hafellner.

Note: All issued specimens with apothecia (up to 3.5 cm in diameter).

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1362. *Normandina pulchella* (Borrer) Nylander

SLOVENIA, Southern Alps, Julian Alps, Lepena valley south-southwest of Soča (east of Bovec), riverbank of Lepenca, 46°19'00"N, 013°39'30"E, elevation 480 m, remnants of an alluvial forest, on bark (and covering bryophytes) of *Salix eleagnos*. – 5 July 2003, collected and determined by Josef Hafellner (77643).

distributed to: **CANB, E, GZU, HMAS, M, NY, UPS, hb.Kalb**

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1363. *Parmelina carporrhizans* (Taylor) Poelt & Vězda

AUSTRIA, Vorarlberg, Eastern Alps, Montafon, Verwallgruppe, path from St. Gallenkirch to the pass Furkla (= Grasjoch), 47°01'36"N, 009°59'00"E, (grid number 8925/4), elevation 1100 m, on bark of *Acer pseudoplatanus*. – 20 September 1986, collected and determined by Roman Türk (65874).

distributed to: **CANB, E, GZU, HMAS, M, NY, UPS, hb.Kalb**

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1364. *Parmelina tiliacea* (Hoffmann) Hale

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 1.3 km south of Semriach, 250 m northeast of the entrance area of Kesselfallklamm, 47°12'20"N, 015°24'05"E, (grid number 8758/3), elevation 720 m, mixed forest with limestone outcrops, on bark of *Fagus sylvatica* (dead, but still standing). – 17 November 2023, collected and determined by Walter Obermayer (16241).

Note: TLC (627/20; specimen in GZU tested): atranorin, chloroatranorin (significant quantities), lecanoric acid, unknowns.

distributed to: **CANB, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1365. *Parmotrema reticulatum* (Taylor) Choisy

NEPAL, Himalaya, Dolpo region, 14 km southeast of Juphal Airport (= Dolpa Airport), 6 km east-southeast of the village Dunai, path to Tarakot along the Thuli Beri River, 28°56'13"N, 082°57'24"E, elevation 2200 m, on bark of a tree. – 26 July 2013, collected and determined by Walter Obermayer (16163).

Note: TLC (623/13; specimen in GZU tested): atranorin, salazinic acid, consalazinic acid.

distributed to: **CANB, GZU, M, NY, UPS**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1366. *Phaeophyscia orbicularis/pusilloides* - [aggregate]

RUSSIA, Republic of Buryatia, Oka district, East Sayan Range, vicinity of the mineral hot springs of Khoito-Gol, 52°37'02.1"N, 099°00'29.3"E, elevation 1640 m, deciduous forest (along the banks of the Arshan brook), on bark of *Populus suaveolens*. – 14 August 2007, collected and determined by Gennadi Urbanavichus.

Note: The thalli consist of very small, ascending lobes (width 0.1–0.3 mm, length rarely exceeding 1 mm), each with lip-shaped soralia developing on the lower side at the lobe tips. The black underside shows densely packed black rhizines. At first glance, it looks as if the (small) thalli are regenerating from a severely damaged (originally larger) thallus.

distributed to: **CANB, E, GZU, HMAS, LE, M, NY, TNS, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1367. *Phaeophyscia pusilloides* (Zahlbruckner) Esslinger

AUSTRIA, Salzburg, Eastern Alps, Northern Limestone Alps, Salzkammergut Berge, Osterhorngruppe, 23 km southeast of the centre of Salzburg, 3.4 km south-southwest of Hintersee, just east of Bergalm, 47°41'00"N, 013°16'40"E, (grid number 8345/2), elevation 1250 m, on bark of *Acer pseudoplatanus*. – 6 September 2016, collected and determined by Roman Türk (56618).

distributed to: **CANB, E, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1368. ***Phlyctis argena*** (Acharius) Flotow
[or: *Phlyctis argena* (Sprengel) Flotow]

AUSTRIA, Salzburg, Eastern Alps, Salzkammergut-Berge, Flachgau region, 20 km north-east of the centre of Salzburg, 4.2 km southeast of 'Neumarkt am Wallersee', valley of Steinbach, 1.9 km southeast of Haslach, 47°54'56"N, 013°15'42"E, (grid number 8045/4), elevation 600 m, on bark of *Fraxinus excelsior*. – 8 April 2007, collected and determined by Roman Türk (41527).

distributed to: **CANB, E, GZU, HMAS, LE, M, NY, TNS, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1369. ***Physciella chloantha*** (Acharius) Esslinger

AUSTRIA, Steiermark (= Styria), Southeastern Alpine Foreland (= Südöstliches Alpenvorland), Oststeirisches Riedelland, 5.9 km northeast of the centre of Graz, forest area between Stifting and 'Auf der Ries', 47°05'39"N, 015°30'29"E, (grid number 8959/1), elevation 455 m, mixed forest with *Abies alba*, *Fagus sylvatica*, *Pinus sylvestris*, and *Picea abies*, on needles and twigs of *Abies alba*. – 20 November 2022, collected and determined by Walter Obermayer (15961).

Note: Specimen in GZU with apothecia. Partly associated with *Hyperphyscia adglutinata*.

distributed to: **CANB, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1370. ***Pseudevernia furfuracea*** (Linnaeus) Zopf var. ***furfuracea***

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 2.7 km north of the centre of Sankt Radegund, Schöckl area, 100 m southwest of the chapel Schöcklkreuz, 47°12'13.8"N, 015°28'58.5"E, (grid number 8758/4), elevation 1145 m, mixed forest (with *Picea abies*, *Abies alba*, *Fagus sylvatica*), on ground (fallen down from the tree). – 14 October 2018, collected and determined by Walter Obermayer (14134).

Note: All issued specimens with young apothecia. The spot test ('C-'; with the commercial bleach 'DanKlorix') was performed twice on each thallus.

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OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1371. ***Pseudoschismatomma rufescens*** (Persoon) Ertz & Tehler
[recently used synonym: *Opegapha rufescens*]

AUSTRIA, Salzburg, Flachgau region (= Salzburg-Umgebung district), 12 km northeast of the centre of Salzburg, just east of Seekirchen am Wallersee, near the village Fischtaging, 47°54'59"N, 013°09'21"E, (grid number 8144/2), elevation 510 m, at the lake shore, on bark of *Alnus glutinosa*. – 21 February 2014, collected and determined by Roman Türk (53161).

distributed to: **CANB, E, GZU, HMAS, LE, M, NY, TNS, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1372. *Punctelia jeckeri* (Roumeguère) Kalb

AUSTRIA, Steiermark (= Styria), Southeastern Alpine Foreland (= Südöstliches Alpenvorland), Oststeirisches Riedelland, 6.7 km northeast of the centre of Graz, 1.5 km east of Stifting, "Auf der Ries", 250 m north of the roadside shrine "Sturmkreuz", 47°05'50"N, 015°31'11"E, (grid number 8959/1), elevation 540 m, freshly thinned mixed forest, on bark of *Quercus petraea* (c. 70 % coverage of the stem along several meters). – 15 May 2021, collected and determined by Walter Obermayer (15584).

distributed to: **CANB, E, GZU, HMAS, LE, M, NY, TNS, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1373. *Ramalina thrausta* (Acharius) Nylander

AUSTRIA, Tirol, Osttirol, Eastern Alps, Carnic Alps, Gailtal, 1 km southwest of the centre of Obertilliach, 46°42'05"N, 012°36'25"E, (grid number 9241/4), elevation 1350–1375 m, edge of a mixed forest, on twigs of *Picea abies*. – 26 September 2022, collected and determined by Roman Türk (65515).

Note: TLC (615/20; specimen in GZU tested): perlatolic acid (usnic acid not detected).

distributed to: **CANB, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1374. *Rinodina conradii* Körber

AUSTRIA, Steiermark (= Styria), Eastern Alps, Noric Alps, east facing slopes of the Seetaler Alpen ('Zirbitzkogel-Gebiet'), 7.7 km west-southwest of the centre of Obdach, path from Türkenkreuz to the lake Wildsee, 47°02'45"N, 014°35'45"E, (grid number 8953/4), elevation 1815 m, timber line (close to a spring), on lying dead wood of *Pinus cembra* (partly overflowed with water). – 11 October 2023, collected and determined by Helmut Mayrhofer (22151).

distributed to: **CANB, E, GZU, HMAS, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1375. *Rinodina sophodes* (Acharius) Gray

GREECE, Eastern Macedonia and Thrace, Drama, Falakro Oros, western edge of Granitis, 41°17'23"N, 023°55'38"E, elevation 800 m, on twigs of *Fraxinus ornus*. – 25 June 1994, collected by Helmut Mayrhofer (21967) and Herwig Teppner, determined by Helmut Mayrhofer (2021).

distributed to: **CANB, GZU, M, NY, UPS**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1376. *Romjularia lurida* (Acharius) Timdal

[recently used synonym: *Mycobilimbia lurida*]

AUSTRIA, Kärnten (= Carinthia), Eastern Alps, Steirisches Randgebirge, Koralpe, 9.5 km southeast of the centre of Wolfsberg, Steinschneider, gently inclined ridge northwest below the relay station, 46°47'48"N, 014°57'13"E, (grid number 9255/2), elevation 1980 m, low outcrops of mineral rich marble in alpine meadows, on ground and plant remnants. – 11 June 2009, collected and determined by Josef Hafellner (73539).

distributed to: **CANB, E, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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**1377. *Rufoplaca arenaria* (Persoon) Arup, Søchting & Frödén -
[aggregate]**

[recently used synonym: *Caloplaca arenaria*]

GREECE, Island of Paros, 1.9 km west of the harbour of Naoussa, rock formations between the beach area of Kolymbithres and the main street, 37°07'48"N, 025°12'59"E, elevation 7 m, siliceous rock outcrops, on rock surfaces. – 15 September 2013, collected and determined by Walter Obermayer (16198).

distributed to: **CANB, GZU, M, NY, UPS**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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**1378. *Scytinium fragrans* (Smith) Otálora, Per Magnus Jørgensen
& Wedin**

[recently used synonym: *Collema fragrans*]

AUSTRIA, Salzburg, Eastern Alps, Lower Tauern, Radstädter Tauern, 13.7 km south of the centre of Radstadt, 4.9 km west-northwest of the centre of Obertauern, Gnadenalm (flat area between Vordergnadenalm and Hintergnadenalm), along the brook Taurach, 47°15'46"N, 013°29'39"E, (grid number 8746/2), elevation 1297 m, alpine meadow with single *Acer pseudoplatanus* trees, on mossy trunk of *Acer pseudoplatanus*. – 4 September 2019, collected by Matthias Schultz (08812) and Roman Türk, determined by Matthias Schultz.

distributed to: **CANB, E, GZU, HMAS, LE, M, NY, TNS, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

1379. ***Scytinium lichenoides*** (Linnaeus) Otálora, Per Magnus
Jørgensen & Wedin - [aggregate]

[recently used synonym: *Leptogium lichenoides*]

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 1.2 km south-southwest of Semriach, entrance area of Kesselfallklamm, 47°12'13"N, 015°24'00"E, (grid number 8758/3), elevation 600 m, mixed forest (southwest facing slope with limestone outcrops), on bryophytes (above calcareous rocks). – 26 October 2022, collected and determined by Walter Obermayer (15979).

Note: The present specimens, which belong to the *Scytinium lichenoides* complex, show (probably due to the shady location) gray(!), flattened, comparatively broadly lobed thalli with flattened, often branched lobules developing at the margins of the thalli.

distributed to: **CANB, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

1380. ***Scytinium pulvinatum*** (Hoffmann) Otálora, Per Magnus
Jørgensen & Wedin

[recently used synonym: *Leptogium lichenoides* var. *pulvinatum*]

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 2.4 km north-northwest of the centre of Sankt Radegund, Schöckl, 60 m southeast below Schöcklkopf ('Schöckl-Ostgipfel'), 47°12'02"N, 015°28'29"E, (grid number 8758/4), elevation 1405 m, edge of a forest, on bryophytes (covering limestone outcrops). – 22 October 2023, collected and determined by Walter Obermayer (16217).

Note: The present specimens, belonging to the *Scytinium lichenoides* complex, show (probably due to the sunny location) dark brown(!) thalli with sometimes densely bushy-isidioid almost terete lobuli developing from the barely visible, flattened thalli.

distributed to: **CANB, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1381. ***Sphaerophorus globosus*** (Hudson) Vainio

UNITED KINGDOM, England, Devon, Dartmoor, south-southwest of Okehampton, between Meldon Reservoir and Black Tor, Black-a-Tor Copse above the West Okement River, 50°42'N, 004°02'W, elevation 360–410 m, on siliceous rocks. – 18 September 1998, collected and determined by Helmut Mayrhofer (21966).

distributed to: **CANB, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

1382. *Squamarina lentigera* (Weber) Poelt - [aggregate]

GREECE, Island of Paros, Naoussa, 1 km southeast of the harbour of Naoussa, 50 m north of "Hotel Arkoulis" (next to the petrol station), 37°07'07"N, 025°14'40"E, elevation 35 m, phrygana vegetation, on compacted soil surface. – 13 September 2013, collected and determined by Walter Obermayer (16169).

Note: TLC (624/03; specimen in GZU tested): usnic acid (maj.), isousnic acid (!; min.). Spores 10–13 x 4–5 µm. - The specimen in GZU and some other herbaria show parasitic(?) stages on thalli of *Gyalolechia* cf. *poeltii*. The spores of this caloplacoid species are rather short [8–12 x 4–5 µm] and dumbbell shaped as depicted in Clauzade & Roux 1984: Lichenoj de okcidenta Eŭropo. Ilustrita determinlibro. p. 366.

distributed to: **CANB, E, GZU, HMAS, LE, M, NY, TNS, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

**1383. *Tephromela atra* (Hudson) Hafellner
var. *calcareae* (Jatta) Clauzade & Claude Roux**

GREECE, Island of Paros, 5 km southeast of the harbour of Parikia, 2.8 km southwest of the centre of Lefkes, just below the summit of Profitis Ilias (= Aghii Pantes = Marpessa), 37°02'47"N, 025°10'43"E, elevation 750–760 m, calcareous boulders in phrygana vegetation, on inclined rock faces. – 14 September 2013, collected and determined by Walter Obermayer (16122).

distributed to: **CANB, E, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

**1384. *Tornabea scutellifera* (Withering) Jack Rodney Laundon
[richly fertile material]**

SPAIN, Canary Islands, Lanzarote, a short distance northeast of Mirador del Rio, north of the village Ye, 29°12'52"N, 013°28'50"E, elevation 470 m, gentle slope inclined to the south-east (fully exposed to trade winds), on branchlets and exposed roots of semi-shrubs. – 4 April 1999, collected by Josef Hafellner (47467) and Angela Hafellner, determined by Josef Hafellner.

Note: TLC (628/16, including many apothecia; specimen in GZU tested): no lichen substances detected.

distributed to: **CANB, E, GZU, HMAS, LE, M, NY, TNS, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

1385. *Trapeliopsis gelatinosa* (Flörke) Coppins & Peter James

AUSTRIA, Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Koralpe, Reinischkogel massif, 6.3 km west of 'St. Stefan ob Stainz', orographical right slopes of the valley Mausegger Graben, 'Sporiroaofen', 46°55'45"N, 015°10'20"E, (grid number 9057/3), elevation 780 m, gneissic outcrops (in a mixed forest), on ground (raw humus layer). – 5 June 2006, collected and determined by Josef Hafellner (68467) and Lucia Muggia.

distributed to: **CANB, E, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

1386. *Usnochroma carphineum* (Fries) Søchting, Arup & Frödén
[recently used synonym: *Caloplaca carphinea*]

GREECE, Island of Paros, 1.9 km west of the harbour of Naoussa, rock formations between the beach area of Kolymbithres and the main street, 37°07'48"N, 025°12'59"E, elevation 7 m, siliceous rock outcrops, on rock surfaces. – 15 September 2013, collected and determined by Walter Obermayer (16125).

Note: All issued specimens with apothecia. The specimen in GZU shows two other (seemingly parasitic) lichens, developing single, isolated areoles between the areoles of *Usnochroma carphineum*. Both lichens belong to the genus *Acarospora*. One taxon shows bright yellow areoles with almost black punctiform apothecia in the centre. The second taxon is medium to dark brown and lacks fruiting bodies.

distributed to: **CANB, GZU, M, NY, UPS**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

1387. *Xanthomendoza fallax* (Hepp) Søchting, Kärnefelt & Sergej Kondratyuk - [aggregate, including *X. huculica*]
[recently used synonym: *Xanthoria fallax*]

AUSTRIA, Tirol, Eastern Alps, Northern Limestone Alps, Lechtaler Alpen, at the eastern foot of the mountain Grubigstein, local area of the village Biberwier, 47°22'56"N, 010°53'31"E, (grid number 8631/1), elevation 994 m, on bark of *Acer pseudoplatanus*. – 8 July 2022, collected by Roman Türk (64758), determined by Walter Obermayer.

Note: The specimens can be intermixed with other taxa of the *Xanthomendoza* complex. Two different "colour-types" are glued separately on the cards. On the left side of the cards the thalli show a more yellowish-orange colour while on the right side they are more orange-red.

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OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
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1388. *Xanthoria calcicola* Oxner - [aggregate]

GREECE, Island of Paros, 5 km southeast of the harbour of Parikia, 2.8 km southwest of the centre of Lefkes, just below the summit of Profitis Ilias (= Aghii Pantes = Marpessa), 37°02'47"N, 025°10'43"E, elevation 750–760 m, calcareous boulders in phrygana vegetation, on southwest exposed rock faces (near ground). – 14 September 2013, collected and determined by Walter Obermayer (16124).

distributed to: **CANB, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

1389. *Xanthoria parietina* (Linnaeus) Theodor Fries

GREECE, Island of Paros, 6 km southeast of the harbour of Parikia, east facing slopes of the mountain Profitis Ilias (= Aghii Pantes = Marpessa), 2.2 km southwest of the centre of Lefkes, 37°02'27"N, 025°11'30"E, elevation 540 m, phrygana vegetation, on twigs of *Spartium junceum*. – 14 September 2013, collected and determined by Walter Obermayer (16119).

Note: All issued specimens intermixed with *Diplotomma alboatrum* agg.

distributed to: **CANB, GZU, M, NY, UPS, hb.Kalb**

OBERMAYER W. 2023: **Dupla Graecensia Lichenum** (numbers 1331–1390). - Fritschiana 101: 1–18.
Distributed by the herbarium GZU, University of Graz, Austria.

1390. *Xylographa soralifera* Holien & Tønsberg

U.S.A., Montana, Lincoln County, Salish Mountains, Edna Creek road, on a broad flat east of Dudley Creek, 48°40'14"N, 114°57'40"W, elevation 1160 m, mixed *Larix occidentalis* - *Pinus contorta* forest, on wood of a conifer log. – 9 September 2012, collected and determined by Toby Spribille (39827).

Note: All distributed specimens are mixed with mostly fruiting thalli of *Parmeliopsis ambigua* and *P. hyperopta*. Specimen in GZU additionally with *Ramboldia cinnabarina*. Further taxa of *Xylographa* (e.g. *X. pallens*) can be intermixed.

distributed to: **CANB, GZU, M, NY, UPS, hb.Kalb**

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