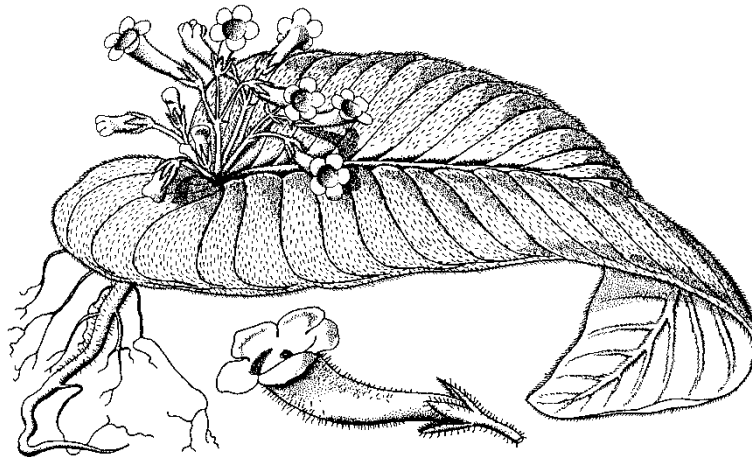


# FRITSCHIANA

101



Veröffentlichungen aus dem  
Institut für Biologie, Bereich Pflanzenwissenschaften  
der Karl-Franzens-Universität Graz

Walter OBERMAYER

**Dupla Graecensia Lichenum (numbers 1331–1390)**

Josef HAFELLNER

**Lichenicolous Biota (Nos 381–400)**

Graz, 20. Dezember 2023

Hofrat Prof. Dr. Karl FRITSCH  
(\* 24.2.1864 in Wien, † 17.1.1934 in Graz)

Karl FRITSCH studierte nach einem Jahr in Innsbruck an der Universität Wien Botanik und wurde dort 1886 zum Dr.phil. promoviert; 1890 habilitierte er sich. Nach Anstellungen in Wien wurde FRITSCH 1900 als Professor für Systematische Botanik an die Universität Graz berufen, wo er aus bescheidenen Anfängen ein Institut aufbaute. 1910 wurde er Direktor des Botanischen Gartens, 1916 wurde das neu errichtete Institutsgebäude bezogen. Aus der sehr breiten wissenschaftlichen Tätigkeit sind vor allem drei Schwerpunkte hervorzuheben: Floristisch-systematische Studien, besonders zur Flora von Österreich, monographische Arbeiten (besonders über *Gesneriaceae*) und Arbeiten zur systematischen Stellung und Gliederung der Monocotylen. An Kryptogamen interessierten ihn besonders Pilze und Myxomyceten.

Nachrufe: KNOLL F. 1934: Karl Fritsch. - Berichte der Deutschen Botanischen Gesellschaft 51: (157)–(184) [mit Schriftenverzeichnis]. — KUBART B. 1935: Karl Fritsch. - Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark 71: 5–15 [mit Porträt]. — TEPPNER H. 1997: Zur Geschichte der Systematischen Botanik an der Universität Graz. - Mitteilungen Geologie und Paläontologie am Landesmuseum Joanneum 55: 123–150 [Informationen über Karl Fritsch befinden sich auf den Seiten 133–136]. — Im übrigen vgl. STAFLEU F.A. & COWAN R.S. 1976, Taxonomic Literature 1: 892 und BARNHART J.H. 1965: Biographical Notes upon Botanists 2: 12.

Graz, November 1997

Herwig TEPPNER

Die Serie FRITSCHIANA wurde als Publikationsorgan für die zahlreichen Aktivitäten im Zusammenhang mit der botanischen Sammlung des Institutes für Biologie (vormals Institut für Pflanzenwissenschaften bzw. Institut für Botanik) der Karl-Franzens-Universität Graz (GZU) gegründet. Vor allem Schedae-Hefte der von den Mitarbeitern herausgegebenen Exsiccatenwerke sollten hier erscheinen, aber auch Exkursionsberichte sowie Listen und Indices besonders wertvoller Bestände in GZU. Das Spektrum wurde mittlerweile auf floristische und kleinere taxonomische Arbeiten (zwischenzeitlich auch auf das Samentauschverzeichnis des Botanischen Gartens) ausgeweitet. Die Schedae-Hefte des von Prof. Dr. Josef POELT begründeten, inzwischen abgeschlossenen Exsiccatenwerkes *Plantae Graecenses* sind die Vorläufer dieser Schriftenreihe.

Gesamtredaktion:

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# Dupla Graecensia Lichenum (numbers 1331–1390)

Walter OBERMAYER\*

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 MAYRHOFER (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.

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

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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).

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

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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 Rosenloui, 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).

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

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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].

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

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**1336. *Blastenia herbidella* (Hue) Servit**

[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].

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

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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.

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

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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).

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

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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*).

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

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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*.

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



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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 Pantas = Marpessa), 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.

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

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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), secalonic 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.

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

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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 Pantas = 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 H<sub>2</sub>SO<sub>4</sub> 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.

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.

**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*.

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.

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).

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.

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).

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.

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*.

distributed to: **CANB, E, GZU, HMAS, 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.

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.

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.

**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.).

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.

**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.  
Distributed by the herbarium GZU, University of Graz, Austria.

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**

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

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).

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.

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**

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

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**

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

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.  
Distributed by the herbarium GZU, University of Graz, Austria.

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.  
Distributed by the herbarium GZU, University of Graz, Austria.

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.  
Distributed by the herbarium GZU, University of Graz, Austria.

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.  
Distributed by the herbarium GZU, University of Graz, Austria.

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.  
Distributed by the herbarium GZU, University of Graz, Austria.

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.  
Distributed by the herbarium GZU, University of Graz, Austria.

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.

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.

1371. ***Pseudoschismatomma rufescens*** (Persoon) Ertz & Tehler  
[recently used synonym: *Opegrapha 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.  
Distributed by the herbarium GZU, University of Graz, Austria.

### 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.  
Distributed by the herbarium GZU, University of Graz, Austria.

### 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.  
Distributed by the herbarium GZU, University of Graz, Austria.

### 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.  
Distributed by the herbarium GZU, University of Graz, Austria.

### 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.  
Distributed by the herbarium GZU, University of Graz, Austria.

**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.  
Distributed by the herbarium GZU, University of Graz, Austria.

**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.  
Distributed by the herbarium GZU, University of Graz, Austria.

**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, Gnadental (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.  
Distributed by the herbarium GZU, University of Graz, Austria.

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 Eüropo. 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. *calcareea* (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 Pantas = 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.

distributed to: **CANB, E, GZU, HMAS, 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.

**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 Pantas = 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 Pantas = 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**

## Lichenicolous Biota (Nos 381–400)

Josef HAFELLNER\*

HAFELLNER Josef 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana (Graz) 101: 19–35. - ISSN 1024-0306.

**Abstract:** The 17<sup>th</sup> fascicle (20 numbers) of the exsiccata 'Lichenicolous Biota' is published. The issue contains material of 19 taxa, 18 non-lichenized fungal taxa (15 teleomorphs of ascomycetes, 1 anamorphic state of ascomycetes, 2 basidiomycetes) and 1 unnamed cecidiogenous bacterium, including isotype material of *Arthonia epipolytropa* Hafellner & Grube (no 391), *Arthonia subclemens* Hafellner et al. (no 392) and paratype material of *Tremella purpurascens* Diederich et al. (nos 387, 388). Furthermore, collections of the type species of the following genera are distributed: *Arthophacopsis* (*A. parmeliarum*), *Everniicola* (*E. flexispora*), *Phacopsis* (*P. vulpina*), *Scutula* (*S. miliaris*), *Sphaerellothecium* (*S. araneosum*), and *Thamnogalla* (*T. crombiei*). The fascicle contains notable contributions to the fungus floras of Austria, Italy, and the U.S.A.

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### Introduction

The exsiccata 'Lichenicolous Biota' is continued with fascicle 17 containing 20 numbers.

The exsiccata covers all lichenicolous biota, i.e., it is open not only to non-lichenized and lichenized fungi, but also to myxomycetes, bacteria, and even animals, whenever they cause a characteristic symptom on their host (e.g., discoloration or galls). Consequently, the exsiccata contains both highly host-specific and plurivorous and even only facultatively lichen-inhabiting species, as long as the individuals clearly grow or fructifications develop upon a lichen and the collection is homogeneous, so that identical duplicates can be prepared.

The five complete sets are sent to herbaria of the following regions: Central Europe (Graz [GZU]), Northern Europe (Uppsala [UPS]), Western Europe (Bruxelles [BR]), North America (New York [NY]), Australasia (Canberra [CANB]). Incomplete sets will preferably be distributed to Barcelona [BCN], Edinburgh [E], Saint Petersburg [LE], Munich [M], and Prague [PRM] (herbarium acronyms sec. HOLMGREN et al. 1990, continued by the New York Botanical Garden as electronic database "Index Herbariorum"). Also in the future, it is planned to publish at least one fascicle per year, consisting of a variable number of decades.

The grid reference preceded by the abbreviation 'GF' refers to the grid used by the project 'Floristische Kartierung Mitteleuropas' (floristic mapping of Middle Europe, e.g., EHRENDORFER & HAMANN 1965).

For the 17<sup>th</sup> fascicle, I gratefully acknowledge the contribution of 2 collections by Ralph COMMON, and 1 collection each by Lucia MUGGIA (together with Claudio G. AMETRANO) and Paul DIEDERICH. In fieldwork I received support by Angela HAFELLNER, Lucia MUGGIA, Pier-Luigi NIMIS, Toby SPRIBILLE, and Mauro TRETACH. Paul DIEDERICH contributed to the scientific content of the fascicle by the identification of both lichenicolous fungi and hosts. Christian SCHEUER and Walter OBERMAYER are thanked for critically reading the manuscript.

I would be much obliged to colleagues who send material of lichenicolous biota for distribution in future fascicles. The collections should be divided up into at least 5 (up to 10) duplicates, preferably already prepared. Unprepared collections should be rich enough to obtain at least 5 duplicates.



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### 381. *Phacopsis vulpina* Tul.

in Annales des Sciences Naturelles, Botanique, sér. 3, 17: 126 (1852). – Syn.: *Agyrium vulpinum* (Tul.) H.Olivier in Bulletin de l'Académie Internationale de Géographie Botanique, sér. 3, 16: 196 (1906).

Host: *Letharia vulpina* (thallus)

**Europe, Italy:** Valle d'Aosta, Prov. Aosta, Western Alps, Alpi Pennine, by the road from Aosta to the Colle de Gran San Bernardo, NW above Saint-Rhémy-en-Bos-ses, 45°50'25"N / 007°10'40"E, c. 1800 m elev., subalpine forest on slope exposed to the E, on bark of *Larix decidua*.

Note 1: *Letharia vulpina* is the type host of *Phacopsis vulpina*.

Note 2: *Phacopsis vulpina* is the type species of the genus *Phacopsis* Tul.

1. VIII. 2001

leg. J. Hafellner (87187), det. J. Hafellner

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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### 382. *Pronectria erythrinella* (Nyl.) Lowen

in Mycotaxon 39: 461 (1990). – Bas.: *Sphaeria erythrinella* Nyl. in Notiser ur Sällskapetets pro Fauna et Flora Fennica Förhandlingar, ser. 2, 1: 125 (1859). – Syn.: *Nectria erythrinella* (Nyl.) Tul. & C.Tul. in Selecta Fungorum Carpologia, Vol. 3. Nectriei – Phacidiei – Pezizei: 95 (1865). – *Dialonectria erythrinella* (Nyl.) Cooke in Grevillea 12(64): 110 (1884). – *Nectriella erythrinella* (Nyl.) Fuckel ex Höhn. & Weese in Annales Mycologici 8(4): 466 (1910).

Host: *Peltigera leucophlebia* (thallus)

**Northern America, U.S.A.:** Alaska, Yukon-Koyukuk Census Area, Brooks Range, Endicott Mountains, valley of Middle Fork of Koyukuk River, N of Wiseman, W of the James Dalton Highway (Alaska Hwy 11), 67°30'30"N / 159°51'20"W, c. 400 m elev., boreal forest with dominant *Picea mariana* and understory of *Betula glandu-losa* over alluvial soils, on soil.

Note 1: The type host of *Pronectria erythrinella* is a *Peltigera* not identified to species level.

Note 2: The anamorphic state is present on all distributed duplicates.

19. VIII. 2010

leg. J. Hafellner (87353) (with T. Spribille), det. J. Hafellner

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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### 383. *Scutula miliaris* (Wallr.) Trevis.

in Spighe e Paglie: 10 (1853). – Bas.: *Peziza miliaris* Wallr. in Flora Cryptogamia Germaniae 2: 499 (1833). – Syn.: *Biatorina miliaris* (Wallr.) Th.Fr. in Lichenes Arctoi Europae Groenlandiaeque hactenus cogniti: 188 (1860). – *Calloria miliaris* (Wallr.) Quel. in Enchiridion Fungorum: 325 (1886). – *Pseudohelotium miliare* (Wallr.) Sacc. in Sylloge Fungorum 8: 296 (1889). – *Scutula wallrothii* Tul. in Annales des Sciences Naturelles, Botanique, sér. 3, 17: 119 (1852) [nom. illeg., ICN 52.1.].

Host: *Peltigera aphthosa* (thallus)

**Northern America, U.S.A.:** Alaska, Matanuska-Susitna Borough, Byers Lake c. 45 km N of Talkeetna, above northern lakeshore, 62°44'50"N / 150°06'35"W, c. 260 m elev., boreal forest over diluvial moraine, on the mossy ground.

Note 1: The type host of *Scutula miliaris* is *Peltigera canina*.

Note 2: *Scutula wallrothii*, a superfluous name for *Scutula miliaris*, is the type species of the genus *Scutula* Tul.

Note 3: The species with its teleomorphic and anamorphic states (including *Karsteniomyces peltigerae*) has been monographed by Triebel et al. (Symb. Bot. Upsal. 32(1): 333–336, 1997).

25. VIII. 2010 leg. J. Hafellner (87356) (with L. Muggia), det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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### 384. *Sphaerellothecium araneosum* (Rehm) Zopf

in Nova Acta Academiae Caesareae Leopoldino-Carolinae Germanicae Naturae Curiosorum 70: 178 (1897). – Bas.: *Sphaerella araneosa* Rehm [in Arnold], Verhandlungen der K.-K. Zoologisch-Botanischen Gesellschaft Wien 23: 115 (1873). – Syn.: *Epicymatia araneosa* (Rehm) Sacc. in Sylloge Fungorum 1: 572 (1882). – *Mycosphaerella araneosa* (Rehm) Lindau in Hilfsbuch für das Sammeln der Ascomyceten: 125 (1903). – *Phaeosphaerella araneosa* (Rehm) Sacc. & D.Sacc. in Sylloge Fungorum 17: 676 (1905). – *Endococcus araneosus* (Rehm) H.Olivier in Bulletin de l'Académie Internationale de Géographie Botanique 17: 127 (1907). – *Discothecium araneosum* (Rehm) Vouaux in Bulletin de la Société Mycologique de France 29: 55 (1913).

Host: *Ochrolechia inaequatula* sensu auct. medioeurop. (thallus)

**Europe, Austria:** Salzburg, Lungau, Eastern Alps, Niedere Tauern, Radstädter Tauern, Speiereck massif W of the village Mauterndorf, on the mountain Kleiner Lanschütz, uppermost slopes exposed to NE, 47°08'08"N / 013°37'32"E, c. 2300 m elev., GF 8847/4, low outcrops of calcareous schist surrounded by alpine meadows rich in dwarf shrubs, on plant remnants.

Note 1: The type host of *Sphaerellothecium araneosum* is *Ochrolechia upsaliensis* (Rehm, Ascomyceten Fasc. 3, no. 133, sub *Sphaerella araneosa* Rehm, 1872).

Note 2: *Sphaerellothecium araneosum* is the type species of the originally monotypic genus *Sphaerellothecium* Zopf.

31. VIII. 2019 leg. J. Hafellner (86082), det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**385. *Thamnogalla crombiei* (Mudd) D.Hawksw.**

in Notes from the Royal Botanic Garden Edinburgh 38: 178 (1980). – Bas.: *Endocarpon crombiei* Mudd in Monograph of the British Cladoniae: 36 (1865). – Syn.: *Pharcidia crombiei* (Mudd) Sacc. & D.Sacc. in Sylloge Fungorum 17: 648 (1905).

Host: *Thamnolia vermicularis* (thallus)

**Europe, Austria:** Steiermark (=Styria), Eastern Alps, Niedere Tauern, Wölzer Tauern, mountains NW of the town Oberwölz, Rettlkirchspitze SW above the refuge Neunkirchner Hütte, saddle between summit and its eastern pre-summit, 47°15' 40"N / 014°07'50"E, c. 2430 m elev., GF 8750/2, outcrops of calciferous amphibolite in alpine vegetation, on soil.

Note 1: *Thamnolia vermicularis* is the type host of *Thamnogalla crombiei*.

Note 2: *Thamnogalla crombiei* is the type species of the originally monotypic genus *Thamnogalla* D.Hawksw.

27. IX. 2009 leg. J. Hafellner (74266) & A. Hafellner, det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**386. *Thelocarpon epibolum* Nyl.**

in Flora (Regensburg) 49: 420 (1866).

Host: *Peltigera leucophlebia* agg. (thallus)

**Northern America, U.S.A.:** Alaska, Matanuska-Susitna Borough, Alaska Range, Broad Pass, between George Parks Highway (Alaska Hwy 3) and the NW shore of Summit Lake, 63°18'45"N / 149°09'30"W, c. 720 m elev., open *Picea mariana* forest with shrub understorey at treeline ecotone, on soil.

Note 1: The type host of *Thelocarpon epibolum* is *Solorina crocea*.

Note 2: *Pronectria erythrinella* may also be present on some of the duplicates. Material of this species from this locality has been distributed as Lichenicolous Biota no. 349.

16. VIII. 2010 leg. J. Hafellner (84430) (with L. Muggia), det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**387. *Tremella purpurascens* Diederich, Common & Millanes  
Paratype**

in Diederich et al., Class Tremellomycetes, order Tremellales. – In: Diederich et al. (eds.), Flora of Lichenicolous Fungi, Vol. 1, Basidiomycota: 243 (2022).

Host: *Dirinaria purpurascens* (thallus)

**Northern America, U.S.A.:** Florida, Pasco County, Zephyrhills, Woodfern Avenue, 28°14'46"N / 082°11'31"W, c. 35 m elev., on twigs of an ornamental tree.

Note 1: *Dirinaria purpurascens* is the type host of *Tremella purpurascens*.

25. VII. 2019

leg. R. Common (10338), det. P. Diederich

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**388. *Tremella purpurascens* Diederich, Common & Millanes  
Paratype**

in Diederich et al., Class Tremellomycetes, order Tremellales. In: Diederich et al. (eds.), Flora of Lichenicolous Fungi, Vol. 1, Basidiomycota: 243 (2022).

Host: *Dirinaria purpurascens* (thallus)

**Northern America, U.S.A.:** Florida, Pasco County, Zephyrhills, at intersection of Fort King Road and Gall Boulevard, 28°14'56"N / 082°11'24"W, c. 35 m elev., on oak twigs fallen to the ground after strong wind.

Note 1: *Dirinaria purpurascens* is the type host of *Tremella purpurascens*.

Note 2: The basidiomata are partly damaged by grazing of either arthropods or gastropods.

26. XI. 2015

leg. R. Common (9944B), det. P. Diederich

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**389. *Tremella tornabeae* Diederich, Etayo, Pérez-Ortega & Millanes**

in Diederich et al., Class Tremellomycetes, order Tremellales. In: Diederich et al. (eds.), Flora of Lichenicolous Fungi, Vol. 1, Basidiomycota: 261 (2022).

Host: *Tornabea scutellifera* (thallus)

**Africa, Canary Islands:** Lanzarote, a short distance NE of Mirador del Rio, N of the village Ye, 29°12'52"N / 013°28'50"W, c. 470 m elev., gentle slope inclined to SE fully exposed to trade winds, on branchlets and exposed roots of sub-shrubs.

Note 1: *Tornabea scutellifera* is the type host of *Tremella tornabeae*.

Note 2: The locality of Lichenicolous Biota no. 389 is situated only c. 13 km SSW of the type locality and shows a very similar ecology, according to our own field experience.

4. IV. 1999 leg. J. Hafellner (84253) & A. Hafellner, det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**390. Unidentified species**

(gall-inducing, probably a bacterium)

Compare Diederich et al., Tremella-like bacterial galls. In: Diederich et al. (eds.), Flora of Lichenicolous Fungi, Vol. 1, Basidiomycota: 340 (2022).

Host: *Parmelia saxatilis* (thallus)

**Europe, Luxembourg:** Steinsel, Gipsweiher, 49°39'45"N / 006°06'40"E, c. 260 m elev., mixed forest, on bark of *Quercus robur*.

Note 1: Bacterial cells present in the galls have been depicted by Diederich et al. (l.c.)

Note 2: The taxonomy of bacteria causing galls on lichens is so far unresolved. On vascular plants gall induction by bacteria is well documented (see e.g., Riker et al., Botanical Review 12: 57–82, 1946).

31. I. 2009 leg. P. Diederich (16796)  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**391. *Arthonia epipolytropa* Hafellner & Grube Isotype**

in The Lichenologist 55(5): 242 (2023).

Host: *Lecanora polytropa* (thallus, apothecia)

**Europe, Austria:** Kärnten (Carinthia), Eastern Alps, Central Alps, Saualpe W of the town Wolfsberg, between the mountains Ladinger Spitz and Speikkogel, NE below Wolfsberger Hütte, 46°50'10"N / 014°39'50"E, c. 1750 m elev., GF 9153/4, dwarf shrub heath in treeline ecotone on gentle slopes exposed to the SE, on scattered small boulders of micaschist.

Note 1: *Lecanora polytropa* is the type host of *Arthonia epipolytropa*.

Note 2: *Cercidospora epipolytropa* (Mudd) Arnold is present on the duplicates deposited in CANB, GZU, NY.

Note 3: *Carbonea aggregantula* (Müll.Arg.) Diederich & Triebel is present on the duplicate deposited in UPS.

24. IX. 2010

leg. J. Hafellner (76280), det. J. Hafellner  
distributed to: BR, CANB, GZU, LE, NY, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**392. *Arthonia subclemens* Hafellner, Grube & Muggia  
Isotype**

in Hafellner & Grube, The Lichenologist 55(5): 245 (2023).

Host: *Lecanora polytropa* (apothecia)

**Europe, Italy:** Trentino-Alto Adige, South Tyrol (Südtirol), Eastern Alps, Ötztal Alps, Val Venosta (Vinschgau), mountains NE above the village Silandro (Schlanders), ridge NNE above Schönputz, 46°39'13"N / 010°48'23"E, c. 2370 m elev., siliceous outcrops and boulders in treeline ecotone, on slightly inclined rock faces.

Note 1: *Lecanora polytropa* is the type host of *Arthonia subclemens*.

Note 2: *Carbonea aggregantula* (Müll.Arg.) Diederich & Triebel is present on the duplicate deposited in GZU.

Note 3: An unnamed *Stigmidium* is present on the duplicates deposited in GZU and UPS.

28. VI. 2016

leg. L. Muggia (s.n.) & C. G. Ametrano, det. J. Hafellner  
distributed to: BR, CANB, GZU, NY, TSB, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**393. *Arthophacopsis parmeliarum* Hafellner**

in Cryptogamie, Bryologie et Lichénologie 19: 159 (1998).

Host: *Parmelia sulcata* (thallus)

**Northern America, U.S.A.:** Alaska, Kenai Peninsula Borough, S of Seward, along Caines Head Trail, surroundings of campground at Tonsina Point and along Tonsina Creek, 60°02'45"N / 149°26'50"W, c. 5 m elev., coastal cool-temperate rainforest, on bark of *Alnus tenuifolia*.

Note 1: *Parmelia sulcata* is the type host of *Arthophacopsis parmeliarum*.

Note 2: *Arthophacopsis parmeliarum* is the type species of the originally monotypic genus *Arthophacopsis* Hafellner.

Note 3: For the determination of the host the key in McCune & Geiser, Macrolichens of the Pacific Northwest, 2. ed.: 220 (2009) has been used.

27. VIII. 2010                      leg. J. Hafellner (87352) (with T. Spribille), det. J. Hafellner  
distributed to: BR, CANB, GZU, LE, NY, PRM, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**394. *Everniicola flexispora* D.Hawksw.**

in Notes from the Royal Botanical Garden Edinburgh 38: 384 (1982).

Host: *Nephroma arcticum* (thallus)

**Northern America, U.S.A.:** Alaska, Kenai Peninsula Borough, W of Seward Highway (Alaska Highway 1), along Devil's Creek Trail, between bridge over Quartz Creek and valley entrance of Devil's Creek, 60°32'50"N / 149°37'20"W, c. 310 m elev., patch of cool-temperate rainforest with dominant *Tsuga mertensiana*, on talus over bryophytes.

Note 1: The type host of *Everniicola flexispora* is *Evernia prunastri*.

Note 2: *Everniicola flexispora* is the type species of the originally monotypic genus *Everniicola* D.Hawksw.

Note 3: Infections by this species on the thallus of *Nephroma arcticum* were first reported by Alstrup & Hawksworth (Meddelelser om Grønland, Bioscience 31: 31 f., 1990). The conspecificity with the fungus on *Evernia prunastri* needs confirmation.

29. VIII. 2010                      leg. J. Hafellner (87348) (with L. Muggia), det. J. Hafellner  
distributed to: BR, CANB, GZU, LE, NY, UPS

Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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395. ***Lecanora lecanoricola*** (Alstrup, D.Hawksw. & R.Sant.)  
Rambold & Triebel

in Bibliotheca Lichenologica 48: 168 (1992). – Bas.: *Lecidella lecanoricola* Alstrup, D.Hawksw. & R.Sant. in Alstrup & Hawksworth, Meddelelser om Grønland, Bioscience 31: 45 (1990).

Host: *Lecanora cenisia* (thallus)

**Europe, Italy:** Piemonte, Prov. Cuneo, Western Alps, Alpi Cozie, Colle di Sampeyre, on the ridge just W of the pass, 44°33'10"N / 007°06'55"E, c. 2290–2300 m elev., large boulders of ophiolitic rock, on inclined rock faces.

Note 1: *Lecanora cenisia* is the type host of *Lecanora lecanoricola*.

Note 2: The taxonomic position within the collective genus *Lecanora* is so far unresolved.

26. VII. 2000 leg. J. Hafellner (87299) (with P. L. Nimis & M. Tretiach),  
det. J. Hafellner

distributed to: BR, CANB, GZU, LE, NY, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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396. ***Microcalicium arenarium*** (Hampe ex A.Massal.) Tibell

in Botaniska Notiser 131: 237 (1978). – Bas.: *Cyphelium arenarium* Hampe ex A.Massal. in Miscellanea Lichenologica: 50 [20] (1856). – Syn.: *Phacotium arenarium* (Hampe ex A.Massal.) Trevis. in Flora (Regensburg) 45: 5 (1862). – *Coniocybopsis arenaria* (Hampe ex A.Massal.) Vain. in Acta Societatis pro Fauna et Flora Fennica 57(1): 75 (1927). – *Caliciella arenaria* (Hampe ex A.Massal.) Fink in Lichen Flora of the United States: 72 (1935).

Host: *Psilolechia lucida* (thallus)

**Europe, Italy:** Piemonte, prov. Torino, Western Alps, Alpi Cozie, mountains W of Pinerolo, northern slopes and ridges of Grand Truc S above the village Perrero, 44°55'18"N / 007°08'13"E, c. 1300 m elev., micaschist boulders in the shade of a *Larix* forest, in overhangs of boulders.

Note 1: The species originally was not recognized as being lichenicolous or algicolous.

Note 2: For lectotypification and heterotypic synonyms see Tibell (Bot. Notiser 131: 237, 1978).

26. VII. 2001 leg. J. Hafellner (87354) (with P. L. Nimis & M. Tretiach),  
det. J. Hafellner

distributed to: BR, CANB, GZU, NY, UPS



Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**397. *Muellerella lichenicola* (Sommerf.) D.Hawksw.**

in Botaniska Notiser 132: 289 (1979). – Bas.: *Sphaeria lichenicola* Sommerf. in Supplementum Florae Lapponicae: 218 (1826). – Syn.: *Tichothecium lichenicola* (Sommerf.) R.Sant. in Svensk Botanisk Tidskrift 54 (4): 507 (1960).

Host: *Rinodina bischoffii* (apothecia)

**Europe, Austria:** Styria (Steiermark), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, Frießenkogel SE above of the village St. Jakob-Breitenau, N above Teichalm, 47°21'35"N / 015°28'30"E, c. 1300 m elev., GF 8658/2, montane pasture on slope exposed to SW, on small boulders of Devonian limestone.

Note 1: The type host of *Muellerella lichenicola* is *Caloplaca* (*Gyalolechia*, *Laundonia*) *flavovirescens* (holotype in O restudied by Triebel, Bibliotheca Lichenologica 35: 155, 1989).

Note 2: Strains of the *Muellerella lichenicola* group occasionally co-occur with *Lichenodiplis*-type anamorphs. There is some evidence that they constitute teleomorph-anamorph connections (see Muggia et al., Fungal Biology 119: 115–1128, 2018). The *Lichenodiplis* strain on *Rinodina* is known as *Lichenodiplis lichenicola* Dyko & D.Hawksw. (Hawksworth & Dyko, Lichenologist 11: 56, 1979).

25. IX. 2011

leg. J. Hafellner (79203) & A. Hafellner, det. J. Hafellner  
distributed to: BR, CANB, GZU, NY, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**398. *Polycoccum clauzadei* Nav.-Ros. & Cl.Roux**

in Mycotaxon 69: 329 (1998).

Host: *Xanthoria* (*Rusavskia*) *elegans* (thallus)

**Northern America, U.S.A.:** Alaska, Anchorage Borough, SSE of Anchorage, Beluga Point on N shore of Turnagain Arm, 61°00'20"N / 149°41'40"W, c. 10 m elev., rocky head of boulder conglomerate including greenstone and serpentinite, on rock faces exposed to SW.

Note 1: *Xanthoria elegans* is the type host of *Polycoccum clauzadei*.

Note 2: *Arthonia molendoi* (Heufl. ex Frauenf.) R.Sant. was also present in the investigated population of *Xanthoria elegans* (Hafellner 78360 in GZU).

30. VIII. 2010

leg. J. Hafellner (87355) (with T. Spribille), det. J. Hafellner  
distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**399. *Stigmidium tabacinae* (Arnold) Triebel**

in Bibliotheca Lichenologica 35: 236 (1989). – Bas.: *Pharcidia tabacinae* Arnold in Flora (Regensburg) 64: 176 (1881). – Syn.: *Sphaerulina tabacinae* (Arnold) Vouaux in Bulletin de la Société Mycologique de France 29: 34 (1913).

Host: *Toninia tristis* agg. (thallus)

**Europe, Italy:** Valle d'Aosta, Prov. Aosta, Western Alps, Alpi Pennine, slopes W of Aosta, by the road from Sarre to Ville-sur-Sarre, 45°43'45"N / 007°15'10"E, c. 1150 m elev., rocky slope exposed to the S with patches of *Pinus nigra* forest, on soil layer over outcrops of calcareous schists.

Note 1: The type host of *Stigmidium tabacinae* is *Psora tabacina* auct., a species now usually treated under the name *Toninia tristis*.

Note 2: Triebel (l.c.) designated a lectotype with *Toninia tristis* as host.

31. VII. 2001 leg. J. Hafellner (87359) (with P. L. Nimis & M. Tretiach),  
det. J. Hafellner

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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Hafellner J. 2023: Lichenicolous Biota (Nos 381–400). - Fritschiana 101: 19–35.

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**400. *Stigmidium xanthoparmeliarum* Hafellner**

in Bulletin de la Société Linnéenne de Provence 45: 231 (1994).

Host: *Xanthoparmelia stenophylla* (thallus)

**Europe, Italy:** Piemonte, Prov. Cuneo, Western Alps, Alpi Cozie, Valle Varaita ca. 4 km W of the village Sampeyre, slopes exposed to the S just W of Villar, 44°34'55"N / 007°08'05"E, c. 1120 m elev., boulders of ophiolite in a pasture, on inclined rock faces.

Note 1: *Xanthoparmelia stenophylla* (sub *X. somloensis*) is the type host of *Stigmidium xanthoparmeliarum*.

Note 2: *Lichenostigma cosmopolites* Hafellner & Calatayud is also present on all duplicates. A corresponding specimen of this species has been separated and deposited in GZU (Hafellner 87358).

25. VII. 2000 leg. J. Hafellner (87357) (with P. L. Nimis & M. Tretiach),  
det. J. Hafellner

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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