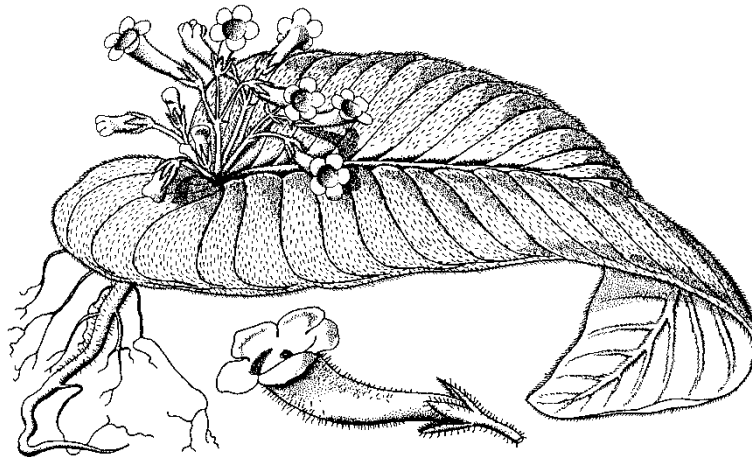


# FRITSCHIANA

102



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

Walter OBERMAYER

**Dupla Graecensia Lichenum (numbers 1391–1450)**

Josef HAFELLNER

**Lichenicolous Biota (Nos 401–420)**

Graz, 18. Dezember 2024

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:

Dr. Christian SCHEUER, Dr. Walter OBERMAYER  
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# FRITSCHIANA

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# Dupla Graecensia Lichenum (numbers 1391–1450)

Walter OBERMAYER\*

OBERMAYER Walter 2024: Dupla Graecensia Lichenum (numbers 1391–1450). - Fritschiana (Graz) 102: 1–16. - ISSN 1024-0306.

**Abstract:** The exsiccata 'Dupla Graecensia Lichenum (numbers 1391–1450)' comprises 60 collections (372 specimens) of lichen duplicates from the following 12 countries [the number of taxa is given in square brackets]: Albania (districts of Nat [1] and Dibër [2]), Australia (state of Queensland [2]), Austria (states of Carinthia [3], Lower Austria [1], Salzburg [6], Styria [15], and Tyrol [2]), Brazil (states of Mato Grosso [1], Rio de Janeiro [2], and São Paulo [2]), France (overseas department La Réunion [1] and region Auvergne-Rhône-Alpes [1]), Germany (state of Bavaria [1]), Italy (regions of Lombardy [2] and Trentino-Alto Adige [1]), Malaysia (state of Sarawak [1]), Slovenia [1], Spain (Canary Islands [1]), Thailand (provinces of Chumphon [6], Phang Nga [1], Phetchaburi [1], Prachuap Khiri Khan [1], Songkhla [1], and Surat Thani [1]), and U.S.A. (state of Alaska [1]). - The present issue of the exsiccata includes isotypes of *Creographa subbrasiliensis* and *Rhizocarpon sipmanianum*. - TLC-investigations were carried out for *Cetrelia chicitae*, *Lepraria diffusa*, *Peltigera* aff. *monticola*, and *Ramalina fraxinea* [aggregate].

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## Introduction

The 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 (additionally, 'hb.Kalb' refers to the private herbarium of Klaus Kalb, Neumarkt, Germany). The herbaria in Canberra (CANB), Graz (GZU), Munich (M), New York (NY), and Uppsala (UPS) are receiving specimens of all distributed numbers continuously.

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 taken from <https://www.mycobank.org/>.

The classification of the Alps used here follows the traditional division into Western and Eastern Alps (see e.g.: 1) GRASSLER F. 1984: Alpenvereinseinteilung der Ostalpen. - Alpenvereinsjahrbuch, "Zeitschrift" Band 108: 215–224. - 2) MARAZZI S. 2005: Atlante orografico delle Alpi. SOIUSA [Suddivisione orografica internazionale unificata del Sistema Alpino]. - Priuli & Verlucca, Ivrea).

The following lichenologists have kindly provided specimens from their herbaria (the number of contributions is given in parentheses; the number of my collections is 7): Brian COPPINS (1), Gabriele GHEZA (2), Josef HAFELLNER (21), Klaus KALB (19; nine of these collections have been made by Jutarat SUTJARITTURAKAN), Helmut MAYRHOFER (1), Toby SPRIBILLE (1), Roman TÜRK (8). - Josef HAFELLNER and Christian SCHEUER have kindly checked the label text.

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1391. ***Alyxoria varia*** (Persoon) Ertz & Tehler

[recently used synonym: *Opegrapha varia*]

**AUSTRIA**, Salzburg, Pongau region, Eastern Alps, Northern Limestone Alps, Berchtesgaden Alps, 1.5 km west of the centre of Werfen, just west of the inn Dielalm, 47°28'24"N, 013°10'05"E, (grid number 8544/2), elevation 1090 m, on bark of old *Acer pseudoplatanus*. – 12 June 2016, collected and determined by Roman Türk (56321).

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

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1392. ***Baeomyces placophyllus*** Acharius

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Wölzer Tauern, summit area of Großer Rotbühel south above Planneralpe, 47°23'35"N, 014°12'30"E, (grid number 8651/1), elevation 2000 m, low boulders of mica schist and patchy alpine grassland with loose stands of *Pinus mugo*, on small earthy patches. – 8 July 2012, collected and determined by Josef Hafellner (80109).

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

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1393. ***Blastenia ferruginea*** (Hudson) Abramo Massalongo -  
[aggregate]

[recently used synonym: *Caloplaca ferruginea*]

**AUSTRIA**, Kärnten (= Carinthia), Eastern Alps, Southern Limestone Alps, Karnische Alpen, 10 km southwest of Kötschach-Mauthen, 4 km northwest of Plöckenpass, 500 m west of 'Obere Valentinalm', 46°37'15"N, 012°53'55"E, (grid number 9343/3), elevation 1650 m, alpine pasture with calcareous boulders and outcrops, on dead wood of *Picea abies*. – 18 July 2007, collected and determined by Walter Obermayer (16209).

Note: In many apothecia, the disk is (!) C- (and only the margin is C+ purple), but some apothecia show a continuous purple reaction (in addition, some apothecia show a patchy C+/C- reaction of the disk).

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

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1394. ***Buellia griseovirens*** (Turner & Borrer ex Smith) Almborn

**AUSTRIA**, Salzburg, Flachgau region, Northern Alpine Foreland, 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 of Wallersee, on bark of *Alnus glutinosa*. – 21 February 2014, collected and determined by Roman Türk (53159).

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

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### 1395. *Calicium viride* Persoon

**AUSTRIA**, Tyrol, East Tyrol, Central Eastern Alps, Venediger Gruppe, 10 km west-north-west of St.Jakob in Deferegggen, valley of the brook Schwarzach, 'Oberhauser Zirmwald', 46°57'08"N, 012°12'37"E, (grid number 9039/1), elevation 1840 m, on dead twigs of *Pinus cembra*. – 3 September 2014, collected and determined by Roman Türk (57508).

Note: All specimens with associated *Chaenotheca chrysocephala*.

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### 1396. *Caloplaca cerina* (Hedwig) Theodor Fries - [aggregate]

**AUSTRIA**, Salzburg, Pongau region, Central Eastern Alps, Radstädter Tauern, valley of the brook Kleinarl, 16 km south-southeast of St.Johann im Pongau, 4.5 km north of Kleinarl, along the road on the eastern shore of the lake Jägersee, 47°14'15"N, 013°20'02"E, (grid number 8746/3), elevation 1100 m, mixed forest rich in conifers, on *Sorbus aucuparia* (low hanging twigs of the treetop). – 17 September 2006, collected by Josef Hafellner (81441) & Angela Hafellner, determined by Josef Hafellner.

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### 1397. *Cetraria islandica* (Linnaeus) Acharius

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Koralpe, Weberkogel, 16.5 km west-northwest of Deutschlandsberg, 2 km north above the saddle Weinebene, Handalpe, slopes of the north ridge in the direction of Wildbachsattel, Wildbachalm, 46°51'42"N, 015°00'30"E, (grid number 9156/3), elevation 1760 m, small boulder field (rock type called 'ab gneiss') surrounded by alpine dwarf shrub heaths (dominated by *Vaccinium myrtillus*), on ground. – 25 November 2012, collected by Josef Hafellner (81171) & Lucia Muggia, determined by Josef Hafellner. – Note: All specimens with apothecia.

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

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### 1398. *Cetrelia chicitae* (William Culberson) William Culberson & Chicita Culberson

**ITALY**, Lombardia, Bergamo Province, Eastern Alps, Western Limestone Alps, Orobic Pre-alps, 'Pista degli Abeti' above Schilpario, 46°00'58"N, 010°11'34"E, elevation 1191 m, cool and moist forest with spruce, silver fir, beech and sycamore maple along a brook, on branches and twigs of *Abies alba* and *Picea abies*. – 29 August 2023, collected and determined by Gabriele Gheza (s.n.).

Note: TLC (specimen in GZU tested): alectoronic acid (maj.)  $\alpha$ -collatolic acid (maj.), atranorin (tr.), physodic acid (min.), 4-O-methylphysodic acid (min.)

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1399. ***Chapsa indica*** Abramo Massalongo

**THAILAND**, Chumphon Province, Pathio District, Tampon Chum Kho, area of King Monkut's Institute of Technology Ladkrabang, Prince of Chumphon Campus, 10°26'23"N, 099°13'03"E, elevation 10 m, forest reserve (secondary forest), on bark of unidentified trees. – 8 April 2009, collected by Jutarat Sutjaritturakan (2186), determined by Jutarat Sutjaritturakan & Klaus Kalb.

Note: *Chapsa indica* is the type species of the genus *Chapsa*.

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1400. ***Chaenotheca ferruginea*** (Turner ex Smith) Migula

**AUSTRIA**, Niederösterreich (= Lower Austria), Eastern Alps, Northern Limestone Alps, Ybbstaler Alpen, 23 km south-southwest of Scheibbs, 7.1 km south-southeast of 'Lunz am See', northeasternmost shore area of the lake Obersee, 47°48'21"N, 015°04'42"E, (grid number 8156/3), elevation 1125 m, on bark of *Picea abies*. – 23 August 2013, collected and determined by Roman Türk (52173).

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1401. ***Chroodiscus coccineus*** (Leighton) Müller Argoviensis

**BRAZIL**, São Paulo State, Serra do Mar, Serra de Paranapiacaba, c. 60 km southwest of São Paulo, above Juquitiba, 23°55'S, 047°04'W, elevation 550 m, light and humid subtropical rainforest (near a lake), on leaves of various trees. – 27 April 1980, collected by Klaus Kalb (s.n.), determined by Antonin Vězda.

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1402. ***Cladonia pyxidata*** (Linnaeus) Hoffmann

**ALBANIA**, Central Albania, Dibër district, Kurorë e Lurës mountains, southwest above the village Fushë-Lurë, some kilometers south of Liqueni i Madh (Big Lake), 41°46'35"N, 020°11'50"E, elevation 1700 m, severely exploited beech-pine forest, on bryophytes covering boulders of ophiolitic rocks. – 18 August 2007, collected and determined by Josef Hafellner (80451) [excursion together with Mauro Tretiach, Lucia Muggia, Massimiliano Piccotto, and Jani Marka].

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1403. ***Coenogonium coronatum*** Gerhard Neuwirth &  
Stocker-Wörgötter

**THAILAND**, Prachuap Khiri Khan Province, Bang Saphan District, Tambon Mae Rumpueng, Pa Klang Ao Forest Park, along road # 4045, 11°12'36.6"N, 099°31'25.7"E, elevation 15 m, disturbed dry dipterocarp forest (*Dipterocarpus alata*), on leaves of various shrubs. – 20 December 2015, collected by Klaus Kalb (41458) & Jutarat Sutjaritturakan, determined by Klaus Kalb.

Note: Specimens partly intermixed with *Coenogonium subluteum*.

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1404. ***Coenogonium hypophyllum*** (Vězda) Kalb & Lücking

**BRAZIL**, São Paulo State, Ilha de São Sebastião, 130 km east of São Paulo, western slopes of Morro das Tacas, 23°50'S, 045°20'W, elevation 600 m, light and very humid rainforest, on leaves of an undetermined tree. – 21 April 1978, collected by Klaus Kalb (s.n.) & Gertrude Plöbst, determined by Antonin Vězda.

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1405. ***Creographa subbrasilensis*** Jutarat Sutjaritturakan &  
Klaus Kalb  
[isotype]

**THAILAND**, Chumphon Province, Pathio District, Tampon Chum Kho, area of King Monkut's Institute of Technology Ladkrabang, Prince of Chumphon Campus, 10°45'06"N, 099°20'52"E, elevation 10 m, rubber tree plantation, on bark of *Hevea brasiliensis*. – 3 July 2008, collected by Jutarat Sutjaritturakan (1198), determined by Jutarat Sutjaritturakan & Klaus Kalb.

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1406. ***Fissurina dumastioides*** (Fink) Staiger

**THAILAND**, Phang Nga Province, Mueang District, Tampon Tak Daet, area of Ban Suan-prik, 08°27'05"N, 098°26'51"E, elevation 80 m, on bark of unidentified tree. – 26 April 2012, collected by Jutarat Sutjaritturakan (4255), determined by Jutarat Sutjaritturakan & Klaus Kalb.

Note: New for Thailand (fide Klaus Kalb).

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**1407. *Graphis bakeri* Vainio**

**THAILAND**, Chumphon Province, Lang Suan District, Tampon Wang Tako, surroundings of Moo 13, 09°55'54"N, 099°02'30"E, elevation 190 m, durian plantation, on bark of *Durio zibethinus*. – 14 June 2008, collected by Jutarat Sutjaritturakan (1106), determined by Jutarat Sutjaritturakan & Klaus Kalb.

Note: TLC (by Klaus Kalb): Salazinic acid.

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**1408. *Graphis caesiella* Vainio**

**THAILAND**, Chumphon Province, Pathio District, Tambon Thale Sap, area of Tungyo waterfall, 10°43'46"N, 099°15'23"E, elevation 115 m, secondary forest, on bark of unidentified trees. – 19 March 2010, collected by Jutarat Sutjaritturakan (3414), determined by Jutarat Sutjaritturakan & Klaus Kalb.

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**1409. *Graphis glaucescens* Fée**

**THAILAND**, Surat Thani Province, Ban Na Doem District, area of Tambon Tha Ruea, 08°55'28"N, 099°16'33"E, elevation 30 m, secondary forest, on bark of unidentified trees. – 15 April 2012, collected by Jutarat Sutjaritturakan (3888), determined by Jutarat Sutjaritturakan & Klaus Kalb.

Note: TLC (by Klaus Kalb): No lichen substances detected.

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**1410. *Graphis insulana* (Müller Argoviensis) Lücking & Sipman**

**THAILAND**, Songkhla Province, Rattaphum District, Tambon Kampangpet, area of the Khao Tok Nam temple, 07°08'20"N, 100°15'31"E, elevation 40 m, secondary forest, on bark of unidentified tree. – 26 May 2012, collected by Jutarat Sutjaritturakan (4457), determined by Jutarat Sutjaritturakan & Klaus Kalb.

Note: TLC (by Klaus Kalb): Norstictic acid (maj.), connorstictic acid (min.).

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1411. ***Graphis scripta*** (Linnaeus) Acharius - [aggregate]

**AUSTRIA**, Steiermark (= Styria), Southeastern Alpine Foreland, Oststeirisches Riedelland, 7 km northeast of the centre of Graz, along the road from Stifting via Rohrbach to Schillingsdorf, 47°06'07"N, 015°30'55"E, (grid number 8859/3), elevation 455 m, north exposed slope along a brook, on twigs of *Carpinus betulus*. – 2 December 2024, collected and determined by Walter Obermayer (16430).

Note: 2–3 different (probably) allelic entities producing different morphotypes present on each specimen.

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1412. ***Graphis supracola*** Alan William Archer

**THAILAND**, Chumphon Province, Pathio District, Tampon Chum Kho, area of King Monkut's Institute of Technology Ladkrabang, Prince of Chumphon Campus, 10°45'12"N, 099°20'47"E, elevation 30 m, durian plantation, on bark of *Durio zibethinus*. – 23 December 2007, collected by Jutarat Sutjaritturakan (176), determined by Jutarat Sutjaritturakan & Klaus Kalb.

Note: TLC (by Klaus Kalb): Protocetraric acid.

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1413. ***Lecanactis abietina*** (Ehrhart ex Acharius) Körber

**GERMANY**, Bayern (= Bavaria), Northern Limestone Alps, Ammergauer Alpen, Allgäu, 11 km east-northeast of Füssen, southeast of Buching, 1 km south of the confluence of the brooks Halblech and Lobentalbach, vicinity of a small bridge just south of a reservoir, 47°35'50"N, 010°50'35"E, elevation 950 m, mixed forest dominated by conifers and riparian wood, on bark of *Picea abies*. – 6 September 2004, collected and determined by Josef Hafellner (79634).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1414. ***Lecanora cavicola*** Creveld

**AUSTRIA**, Kärnten (= Carinthia), Central Eastern Alps, Koralpe, 10.5 km southeast of the centre of Wolfsberg, Großes Kar, northeast facing slopes of the ridge between the summits of Steinschneider and Großer Speikkogel, 46°47'35"N, 014°57'55"E, (grid number 9255/2), elevation 1950 m, siliceous boulders and *Pinus mugo*, on overhanging surfaces of big gneissic boulders. – 19 July 2012, collected by Josef Hafellner (80158), Lucia Muggia & Antonia Fleischhacker, determined by Josef Hafellner.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1415. ***Lecidea silacea*** (Hoffmann) Acharius

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Wölzer Tauern, mountain area 8.5 km west-northwest of Pusterwald, northeast side of Großhansl summit area, 47°19'10"N, 014°15'55"E, (grid number 8651/4), elevation 2300 m, outcrops of metal-rich siliceous rocks, on inclined rock surfaces. – 25 August 2005, collected and determined by Josef Hafellner (68063).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1416. ***Lepraria diffusa*** (Jack Rodney Laundon) Kukwa -  
[aggregate]

[recently used synonym: *Leproloma diffusum*]

**FRANCE**, Auvergne-Rhône-Alpes, Haute-Savoie, Western Alps, Graian Alps, Mont Blanc group, 6.2 km SE of Saint-Gervais-les-Bains, 2 km ESE of Bionnassay, 45°51'44–52"N, 006°46'25–50"E, elevation 1500–1700 m, mixed forest with dominant *Picea abies*, on overhanging faces of strongly shadowed, schistose rock walls (covered with bryophytes). – 20 August 2011, collected and determined by Walter Obermayer (12369).

Note: TLC (all specimens tested): 4-oxypannaric acid 2-methylester (maj.), unknow substance (maj./tr.; 4/2–3/5, brownish after H<sub>2</sub>SO<sub>4</sub>), unknown pigment (maj./min.; 3/2–3/3, UV-bright yellow before H<sub>2</sub>SO<sub>4</sub>), unknown pigment (min./tr.; 4/4/5, UV-bright yellow before H<sub>2</sub>SO<sub>4</sub>), unknowns.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1417. ***Menegazzia subsimilis*** (Hugo Magnusson) Rolf Santesson  
[recently used synonym: *Menegazzia dissecta*]

**AUSTRIA**, Tyrol, Eastern Alps, Northern Limestone Alps, Ammergauer Alpen (= 'Ammergebirge'), 8.5 km east of Reutte, east-facing slopes of 'Soldatenköpfe' (north of the lake Plansee), along 'Altenbergweg' (lowermost part), 47°29'40"N, 010°49'50"E, (grid number 8530/2), elevation 1100 m, mixed forest, on bark of *Fagus sylvatica*. – 5 September 2004, collected and determined by Josef Hafellner (81083).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1418. ***Multisporidea australiensis*** Kalb & Aptroot [unpublished]

**AUSTRALIA**, Queensland, c. 76 km northwest of Mackay, near Eungella, 'Palm Grove Track', 21°08'43"S, 148°29'57"E, elevation 760 m, tropical rainforest, on bark of unidentified tree. – 16 August 2008, collected and determined by Klaus Kalb (42698).

Note: TLC (by Klaus Kalb): No lichen substances detected.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1419. ***Myriostigma candidum*** Krempelhuber

**THAILAND**, Phetchaburi Province, Kaeng Krachan District, Kaeng Krachan National Park, road from Ban Krang Camp to 'Stream 1', 12°48'12.1"N, 099°26'32.4"E, elevation 340 m, humid secondary rainforest along a creek. – 8 December 2015, collected by Klaus Kalb (42714) & Jutarat Sutjaritturakan, determined by Klaus Kalb.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1420. ***Nephromopsis chlorophylla*** (Willdenow) Divakar, Crespo & Lumbsch

[recently used synonym: *Tuckermannopsis chlorophylla*]

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Koralpe, 6.8 km south-southwest of Modriach, 400 m north of Stoffhütte (near the raised bog See-Eben), 46°54'02"N, 015°01'38"E, (grid number 9056/3), elevation 1430 m, mixed forest, on twigs of *Picea abies*. – 19 September 2024, collected and determined by Walter Obermayer (16429).

Note: Specimens partly intermixed with *Hypogymnia physodes*, *Pseudevernia furfuracea* agg., *Platismatia glauca*, and taxa of *Usnea*. Some thalli of the specimen in GZU are beautifully attacked by the lichenicolous fungus *Tremella cetrariicola* (determined by Josef Hafellner).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1421. ***Nephromopsis laureri*** (Krempelhuber) Kurokawa

[recently used synonym: *Tuckneraria laureri*]

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Koralpe, 6.8 km south-southwest of Modriach, 400 m north of Stoffhütte, 46°54'02"N, 015°01'38"E, (grid number 9056/3), elevation 1430 m, mixed forest, on stem bark of *Picea abies*. – 19 September 2024, collected and determined by Walter Obermayer (16428).

Note: Specimens partly intermixed with *Platismatia glauca* and *Hypogymnia physodes*.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1422. ***Nitidochapsa leprieurii*** (Montagne) Parnmen, Lücking & Lumbsch

**THAILAND**, Chumphon Province, Lang Suan District, Tampon Wang Tako, surroundings of Moo 13, 09°55'54"N, 099°02'30"E, elevation 190 m, durian plantation, on bark of *Durio zibethinus*. – 14 June 2008, collected by Jutarat Sutjaritturakan (1093), determined by Jutarat Sutjaritturakan & Klaus Kalb.

Note: TLC (by Klaus Kalb): No lichen substances detected.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1423. ***Normandina pulchella*** (Borrer) Nylander

**SLOVENIA**, Eastern Alps, Southern Limestone Alps, Julian Alps, Slatenik valley south of Bovec, 46°18'45"N, 013°34'05"E, elevation 470 m, *Fagus-Picea* forest (mixed regrowth), on bark and bryophyte remnants (e.g. *Frullania*) of *Alnus incana*. – 4 July 2003, collected and determined by Josef Hafellner (77593).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1424. ***Parmelina pastillifera*** (Harmand) Hale

**ALBANIA**, Central Albania, Mat district, 22 km north-northeast of the centre of Tirana, Mali i Skënderbeut, Qafa e Shtamës (Shtamës pass), southwest above the town Burrel, just west of the pass, 41°31'20"N, 019°53'55"E, elevation 1230 m, remnants of a deciduous forest, on bark of *Acer pseudoplatanus*. – 19 August 2007, collected and determined by Josef Hafellner (80529) [excursion together with Mauro Tretiach, Lucia Muggia, Massimiliano Piccotto, and Jani Marka].

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
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1425. ***Parmotrema arnoldii*** (Du Rietz) Hale

**ITALY**, Lombardia, Bergamo Province, Eastern Alps, Western Limestone Alps, Orobie Prealps, 'Pista degli Abeti' above Schilpario, 46°00'58"N, 010°11'34"E, elevation 1191 m, cool and moist forest with spruce, silver fir, beech and sycamore maple along a brook, on branches and twigs of *Abies alba* and *Picea abies*. – 29 August 2023, collected and determined by Gabriele Gheza (s.n.).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
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1426. ***Peltigera* aff. *monticola*** Vitikainen

**AUSTRIA**, Salzburg, Flachgau region, Northern Alpine Foreland, 16 km northeast of the centre of Salzburg, 3.8 km northeast of the centre of Seekirchen am Wallersee, at the train station Wallersee, 47°55'11"N, 013°09'34"E, (grid number 8044/4), elevation 518 m, along a gravel path, on plant debris and bare soil. – 1 December 2023, collected by Roman Türk (65331), determined by Walter Obermayer (2024).

Note: TLC (specimen in GZU tested): No substances detected. All specimens with richly developed apothecia.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1427. *Peltigera lepidophora* (Nylander) Bitter**

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Wölzer Tauern, head of the valley Eselsberggraben northwest of Oberwölz, 750 m west of Neunkirchner Hütte, at the north facing base of the mountain Rettlkirchspitze (below a striking marble outcrop), 47°16'30"N, 014°08'25"E, (grid number 8750/2), elevation 1580 m, big marble blocks interspersed with quartzite veins (amongst *Alnus alnobetula* and dwarf shrubs), on bryophytes and plant remnants (on rock surfaces). – 12 February 2003, collected and determined by Josef Hafellner (73956).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1428. *Peltigera rufescens* (Weiss) Humboldt**

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Koralpe, 15.5 km west-northwest of Deutschlandsberg, Weinebene, along a path just east below the pass area, 46°50'30"N, 015°01'10"E, (grid number 9156/3), elevation 1660 m, steep slope (above a lens shaped structure of a calcium silicate slate), on bare earthy ground. – 15 September 2007, collected and determined by Josef Hafellner (71190).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1429. *Phlyctella brasiliensis* (Nylander) Nylander**

**BRAZIL**, Rio de Janeiro State, Serra da Mantiqueira, Itatiaia, between Registro do Picú and Agulhas Negras, 22°20'S, 44°45'W, elevation 1800 m, trees along a road, on bark of an unidentified tree. – 23 July 1979, collected by Klaus Kalb (s.n.) & Gertrude Plöbst, determined by Klaus Kalb.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1430. *Physconia muscigena* (Acharius) Poelt**

**AUSTRIA**, Steiermark (= Styria), Eastern Alps, Northern Limestone Alps, Ennstaler Alpen, Haller Mauern north of Admont, Admonter Warte, ridge leading to the north (south above 'Admonter Haus'), 47°37'55"N, 014°29'35"E, (grid number 8352/4), elevation 1770 m, loose stands of *Pinus mugo* with fragments of *Caricetum firmae* and limestone outcrops, on bryophytes and plant remnants. – 26 October 2006, collected by Josef Hafellner (67162) & Lucia Muggia, determined by Josef Hafellner.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1431. ***Placynthiella icmalea*** (Acharius) Coppins & Peter James

**ALBANIA**, Central Albania, Dibër district, Kurorë e Lurës mountains, southwest above the village Fushë-Lurë, some kilometers south of Liqueni i Madh (Big Lake), 41°46'35"N, 020°11'50"E, elevation 1700 m, severely exploited beech-pine forest, on stump of *Pinus* spec. – 18 August 2007, collected and determined by Josef Hafellner (80447) [excursion together with Mauro Tretiach, Lucia Muggia, Massimiliano Piccotto, and Jani Marka].

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1432. ***Polyblastidium microphyllum*** (Kurokawa) Kalb

**LA RÉUNION**, (overseas department and region of France on the Mascarene Islands), Cirque de Salazie, ascent from Le Belier to Piton Marmite, 21°02'30"S, 055°27'30"E, elevation 1700–1800 m, tropical rainforest (cloud forest zone), on bark of an unidentified tree (over bryophytes). – 18 August 1991, collected and determined by Klaus Kalb (s.n.).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1433. ***Porina ocellata*** (Malme) Patrick Martin McCarthy

[recently used synonyms: *Clathroporina o.*, *Thelenella o.*]

**BRAZIL**, Mato Grosso State, c. 35 km southeast of Cuiaba, 15°50'S, 056°00'W, elevation 120 m, in a cerrado, on iron bearing rocky outcrops. – 3–4 July 1980, collected by Klaus Kalb (31699-b) & M. Marcelli, determined by Klaus Kalb.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1434. ***Pyrenodesmia chalybaea*** (Fries) Abramo Massalongo

[recently used synonym: *Caloplaca chalybaea*]

**AUSTRIA**, Steiermark (= Styria), Eastern Alps, Northern Limestone Alps, Mürzsteger Alpen, Veitsch Alpe 16 km north of Kindberg, Breitriegel (north above Brunnalm), 47°38'45"N, 015°25'25"E, (grid number 8358/4), elevation 1700 m, south exposed rocky outcrops (Triassic limestone) in meadows of the Seslerio-Caricetum sempervirentis community, on inclined faces of small boulders. – 30 September 2006, collected and determined by Josef Hafellner (81596).

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



OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1435. *Ramalina fraxinea* (Linnaeus) Acharius - [aggregate]**

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Gurktaler Alpen, 5.5 km southwest of the centre of Neumarkt, east-facing slopes of Grebenzen, 800 m west-southwest of Pöllau, 'Winkelmoar' (near the spring 'Pöllauer Ursprung'), 47°02'13"N, 014°22'34"E, (grid number 8952/3), elevation 1130 m, single trees along a gravel road, on twigs of *Fraxinus excelsior*. – 1 November 2021, collected and determined by Walter Obermayer (15726).

Note: TLC (specimen in GZU tested): usnic acid [no other substances detected]. Specimens from the same locality, collected in 2018 (Obermayer 14036) have already been issued in the exsiccata 'Lichenotheca Graecensis' sub # 492. Due to the relatively narrow branches, the present collection might belong to the infraspecific taxon *Ramalina fraxinea* var. *calicariiformis*.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1436. *Ramalina pollinaria* (Westring) Acharius**

**AUSTRIA**, Salzburg, Lungau region, Central Eastern Alps, Schladminger Tauern, 7.6 km north-northwest of Weißpriach, valley of the brook Weißpriachbach (close to the confluence with the brook Znachbach), 800 m southeast of Ganglerhütte, 47°13'57"N, 013°38'47"E, (grid number 8747/4), elevation 1300 m, on bark of *Acer pseudoplatanus*. – 17 June 2006, collected and determined by Roman Türk (65871).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1437. *Ramalina thrausta* (Acharius) Nylander**

**ITALY**, Trentino-Alto Adige, Autonomous Province of Bolzano - South Tyrol, Val di Landro (=Höhlenstein Tal), Lago di Dobbiaco (=Toblacher See), 2 km south of Dobbiaco (=Toblach), at the eastern lakeshore, 46°42'15"N, 012°13'15"E, elevation 1260 m, mixed coniferous forest, on dead twigs of *Picea abies* (0.5–1.5 m above ground). – 30 August 2002, collected and determined by Josef Hafellner (87963).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1438. *Rhizocarpon badioatrum* (Flörke ex Schaerer) Thore Fries**

**AUSTRIA**, Salzburg, Pinzgau region, Central Eastern Alps, Venediger Gruppe, Nationalpark Hohe Tauern, 15.8 km south of the centre of 'Bruck an der Glocknerstraße', along the road to Fuscher Törl, near 'Schupfer Hochalm', 47°08'36"N, 012°48'54"E, (grid number 8842/4), elevation 1627 m, on slate rock. – 26 June 2015, collected by Roman Türk (55424b), determined by Walter Obermayer (2024).

Note: Specimens in GZU and UPS with probably parasitic *Lecanora argopholis*.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1439. ***Rhizocarpon lecanorinum*** Anders

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Grazer Bergland, mountain area 6.6 km north-northeast of Passail, 1.2 km south of Sommeralm, east facing summit area of Bründlkogel, 47°20'00"N, 015°33'15"E, (grid number 8659/3), elevation 1430 m, low Paleozoic outcrops on a drift pasture, on inclined surfaces of a siliceous rock. – 6 November 2010, collected by Josef Hafellner (76622) & Lucia Muggia, determined by Josef Hafellner.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1440. ***Rhizocarpon sipmanianum*** Kalb & Aptroot  
[isotype]

**BRAZIL**, Rio de Janeiro State, Serra da Mantiqueira, Itatiaia, between Registro do Picú and Agulhas Negras, 22°20'S, 044°45'W, elevation 1900 m, edge of a dense rainforest ('Mata Atlântica'), on granitic boulders. – 1 November 1978, collected and determined by Klaus Kalb (s.n.) & Gertrude Plöbst.

Note: Additional isotype specimens of the taxon have already been issued under number 645 in Kalb K. & Aptroot A. 2017: Lichenes Neotropici, Fascikel 16 (628–650). - Archive for lichenology 12: 1–12.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1441. ***Rinodina orculata*** Poelt & Maximilian Steiner

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Fischbacher Alpen, 5.7 km east of St. Jakob-Breitenau, northwest of the pass Straßegg, summit area of Hochschlag, 47°24'11"N, 015°30'18"E, elevation 1575 m, east exposed slopes, on dead twigs of *Alnus alnobetula*. – 19 October 2022, collected and determined by Helmut Mayrhofer (22090).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1442. ***Rinodina sophodes*** (Acharius) Abramo Massalongo

**SLOVENIA**, Eastern Alps, Southern Limestone Alps, Julian Alps, Bavšica valley northeast of Bovec, above Planina Bukovec, 46°22'30"N, 013°39'30"E, elevation 1340 m, low outcrops of limestone in open stands of young *Acer pseudoplatanus*, on bark of *Acer pseudoplatanus*. – 3 August 2003, collected by Josef Hafellner (78409), determined by Helmut Mayrhofer (2024).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1443. ***Sarcographa glyphiza*** (Nylander) Krishna Pal Singh & G.P. Sinha

**AUSTRALIA**, Queensland, Hinchinbrook Island, coastal area, 18°11'57"S, 146°00'44"E, elevation 5–15 m, coastal tropical rainforest with *Avicennia marina*, *Brugueira gymnorhiza*, *Lumnitzera ramosa*, *Rhizophora mucronata*, *Xylocarpus granatum*, *Terminalia seriocarpa*, *Livistona drudei*, etc., on bark of an unidentified tree. – 24 August 2002, collected and determined by Klaus Kalb (33910).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1444. ***Scytinium lichenoides*** (Linnaeus) Otálora, Per Magnus Jørgensen & Wedin - [aggregate]  
[recently used synonym: *Leptogium lichenoides*]

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Grazer Bergland, Schöckl area, 2.8 km north of the centre of Sankt Radegund, path from the tavern 'Römerweg' via 'Adolf-Reiter-80er-Steig' to 'Weiße Wand', 47°11'57"N, 015°28'49"E, (grid number 8858/2), elevation 1155 m, mixed forest with dominant *Fagus sylvatica*, on bryophytes (steep faces of a calcareous boulder). – 27 January 2024, collected and determined by Walter Obermayer (16281).

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1445. ***Sticta*** [species not identified]

**MALAYSIA**, State of Sarawak, Gunung Mulu National Park, 4th Division, Baram District, valley of Ulu Jerneh (Hidden Valley), 04°06'N, 114°55'E, elevation 500 m, on stem bark and branches of small trees. – 5 April 1978, collected by Brian Coppins (5106), George Argent, Clive Jermy, and Paul Chai, determined by Brian Coppins.

Note: 'Royal Geographical Society Mulu Expedition 1977–78'; the material issued here was received as a gift from herbarium E, Edinburgh.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

1446. ***Thalloidima toepfferi*** Stein  
[recently used synonym: *Toninia toepfferi*]

**SPAIN**, Canary Islands, La Gomera, saddle northeast of the plateau mountain La Fortaleza southeast above the village Chipude, 28°06'08"N, 017°16'25"W, elevation 1130 m, ridge area with open vegetation, on slightly inclined, mossy soil. – 20 February 1991, collected by Josef Hafellner (34846) & Angela Hafellner, determined by Josef Hafellner.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1447. *Trapelia glebulosa* (Smith) Jack Rodney Laundon**  
[recently used synonyms: *Trapelia involuta*, *Gallowayiopsis glebulosa*]

**AUSTRIA**, Steiermark (= Styria), Central Eastern Alps, Koralpe, Reinischkogel-Massiv, 6.3 km west of 'St. Stefan ob Stainz', orographically right slopes of the valley Mausegger Graben, at the group of tors named '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 sun exposed rocks. – 5 June 2006, collected and determined by Josef Hafellner (68423) & Lucia Muggia.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1448. *Umbilicaria americana* Poelt & Thomas Hawkes Nash**

**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, slopes exposed to the south at the valley entrance of Devil's Creek, 60°33'15"N, 149°38'45"W, elevation 450 m, small outcrops of siliceous schist (flysch) on the talus of the trail, on rocks. – 29 August 2010, collected by Josef Hafellner (80005) & Lucia Muggia, determined by Josef Hafellner.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1449. *Usnea intermedia* (Abramo Massalongo) Jatta - [aggregate]**

**AUSTRIA**, Kärnten (= Carinthia), Central Eastern Alps, Gurktaler Alpen, Nockberge, 17 km north-northwest of 'Feldkirchen in Kärnten', Sirnitz, Hochrindl, surroundings of the JUFA Hotel, 46°51'49"N, 013°59'31"E, (grid number 9149/2), elevation 1685-1725 m, on *Picea abies*. – 15 June 2022, collected and determined by Roman Türk (64785a).

Note: Other taxa of the genus *Usnea* can be intermixed.

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

OBERMAYER W. 2024: **Dupla Graecensia Lichenum** (numbers 1391–1450). - Fritschiana 102: 1–16.  
Distributed by the herbarium GZU, University of Graz, Austria.

**1450. *Usnea longissima* Acharius - [aggregate]**  
[recently used synonym: *Dolichousnea longissima*]

**U.S.A.**, Alaska, western foothills of the Excursion Ridge mountain range, 6.5 km northeast of Gustavus, along Falls Creek Road, 58°26'17"N, 135°38'17"W, elevation 30 m, on *Tsuga heterophylla*. – 28 July 2012, collected and determined by Toby Spribille (39068 [duplum ex MSC]).

Note: Specimens with soralia (!).

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

## Lichenicolous Biota (Nos 401–420)

Josef HAFELLNER\*

HAFELLNER Josef 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana (Graz) 102: 17–33. - ISSN 1024-0306.

**Abstract:** The 18<sup>th</sup> fascicle (20 numbers) of the exsiccata 'Lichenicolous Biota' is published. The issue contains material of 16 non-lichenized fungal taxa (10 teleomorphs of ascomycetes, 2 anamorphic states of ascomycetes, 3 basidiomycetes) and 3 lichenized ascomycetes, including paratype material of *Biatoropsis hirtae* Diederich & Millanes (no 403) and *Stigmidium epixanthum* Hafellner (no 416). Furthermore, collections of the type species of the following genera are distributed: *Marchandiomyces* (*M. corallinus*), *Phacopsis* (*P. vulpina*), *Phacothecium* (*P. varium*), *Xanthoriicola* (*X. physciae*), and *Sclerococcum* (*S. sphaerale*). The fascicle contains notable contributions to the fungus floras of Austria, Italy and South Africa.

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### Introduction

The exsiccata 'Lichenicolous Biota' is continued with fascicle 18 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 18<sup>th</sup> fascicle, I gratefully acknowledge the contribution of 3 collections by Wolfgang v. BRACKEL, and 1 collection each by Walter OBERMAYER and J. WALDEN. In fieldwork I received support by Angela HAFELLNER, Lucia MUGGIA, Pier-Luigi NIMIS, and Mauro TRETACH. Wolfgang von BRACKEL, Walter OBERMAYER and Paul DIEDERICH contributed to the scientific content of the fascicle by the identification of either lichenicolous fungi or 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.

Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**401. *Abrothallus tulasnei* M.S.Cole & D.Hawksw.**

in Mycotaxon 77: 310 (2001).

Host: *Xanthoparmelia conspersa* (thallus)

**Europe, Austria:** Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, Kulmkogel SE above the village St. Jakob-Breitenau, Kerschbaumalm, 47°21'30"N / 015°31'25"E, c. 1350 m elev., GF 8659/1; low outcrops of metadiabas under some scattered *Picea abies* on slope exposed to the S, surrounded by a subalpine pasture, on inclined rock faces.

Note 1: The type host of *Abrothallus tulasnei* is *Xanthoparmelia stenophylla* (sub *X. somloensis*).

Note 2: The material has been assigned to *A. tulasnei* because the characters – I(Lugol)-reaction of the vegetative hyphae lacking, K-reaction of the epihymenial pigments giving an olive-greenish solution, host genus – fit the protologue of that species and at the same time distinguish it from *Abrothallus caerulescens* I.Kotte equally described from *Xanthoparmelia (conspersa)*. Material of *A. caerulescens* has been distributed as Lichenicolous Biota no. 411.

10. XI. 2012

leg. J. Hafellner (81034), det. J. Hafellner

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

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**402. *Arthonia molendoi* (Heufl. ex Frauenf.) R.Sant.**

in Thunbergia 3: 2 (1986). – Bas.: *Tichothecium molendoi* Heufl. ex Frauenf. [as note to] Arnold, Verhandlungen der K.-K. Zoologisch-Botanischen Gesellschaft in Wien 14: 462 (1864). – Syn.: *Bryostigma molendoi* (Heufl. ex Frauenf.) S.Y.Kondr. & Hur in Kondratyuk et al., Acta Botanica Hungarica 62 (1-2): 100 (2020).

Host: *Calogaya biatorina* (thallus, apothecia)

**Europe, Italy:** Piemonte, Prov. Cuneo, Western Alps, Alpi Cozie, on the ridge W above Colle del Vallonetto, 44°23'10"N / 007°07'00"E, c. 2500 m elev., calcareous cliffs and boulders in alpine vegetation, on cliffs exposed to SE.

Note 1: The type host of *Arthonia molendoi* is *Rusavskia elegans* (syn. *Xanthoria e.*, named *Physcia pusilla* in the protologue).

Note 2: The species appears to be restricted to hosts pertaining to the '*Xanthoria elegans*'-group and the '*Caloplaca saxicola*'-group.

23. VII. 2000

leg. J. Hafellner (88157), det. J. Hafellner  
(foray together with P. L. Nimis & M. Tretiach)

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

Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**403. *Biatoropsis hirtae* Diederich & Millanes** Paratype

in Diederich et al., Flora of Lichenicolous Fungi, Vol. 1: 112 (2022).

Host: *Usnea hirta* coll. (thallus)

**Northern America, U.S.A.:** Arizona, Greenlee Co., Apache-Sitgreaves National Forest, c. 36.4 km S of the village Alpine and 10.1 km W of the border to New Mexico, 33.6104°N (33°36'37"N) / 109.1554°W (109°09'19"W), [c. 1800 m elev.], coniferous forest, on bark of *Pinus edulis* and *Juniperus deppeana*.

Note: The type host of *Biatoropsis hirtae* is *Usnea hirta*.

8. I. 2019

leg. J. Walden (9), det. P. Diederich

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

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**404. *Marchandiomyces corallinus* (Roberge) Diederich & D.Hawksw.**

in Diederich, Mycotaxon 37: 312 (1990). – Bas.: *Illosporium corallinum* Roberge in Desmazières, Plantes Cryptogames de France, ed. 1, fasc. 32, no. 1551 (1847) or in Desmazières, Annales des Sciences Naturelles, Botanique, sér. 3, 10: 342 (1848), resp.

Host: *Physcia stellaris* (thallus, apothecia)

**Europe, Austria:** Steiermark (= Styria), Eastern Alps, Seetaler Alpen, S-facing slopes of Kreuzeck, 1.3 km SE of the church of Mariahof, surroundings of the abandoned farmstead 'Moar am Berg', 47°05'34"N / 014°24'59"E, c. 1045 m elev., GF 8952/1, orchard meadow, on twigs of *Prunus avium*.

Note 1: The type host as seen on the type specimen is *Physcia tenella* (fide Hawksworth, Bulletin of the British Museum (Natural History), Botany series 6(3): 236, 1979).

Note 2: The material distributed here is predominantly in the sclerotial state.

Note 3: The fungus is infringing on neighbouring lichen thalli of e.g., *Physcia adscendens*, *Xanthoria parietina*, *Lecanora chlarotera*, and *Melanohalea exasperata* (specimen in GZU).

8. IX. 2024

leg. W. Obermayer (16399), det. J. Hafellner

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



Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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#### 405. *Muellerella rhizocarpicola* Brackel

in Archive for Lichenology 35: 10 (2023). – *Muellerella pygmaea* var. *ventosicola* sensu auct. non (Mudd) Triebel, non *Muellerella ventosicola* (Mudd) D.Hawksw.

Host: *Rhizocarpon geographicum* (thallus)

**Europe, Austria:** Kärnten (= Carinthia), Eastern Alps, Central Alps, Steirisches Randgebirge, Koralpe, on the mountain Weberkogel c. 2 km N of the pass Wein-ebene, near the conspicuous outcrop W of the gentle mountain top, 46°51'30"N / 015°00'30"E, c. 1800 m elev., GF 9156/1, boulder field surrounded by dwarf shrub heath and pasture, on boulders of gneiss.

Note 1: The recently described species replaces *Muellerella pygmaea* var. *ventosicola* sensu auct. non (Mudd) Triebel, a name often applied to a strain of the *Muellerella pygmaea*-group infecting thalli of *Rhizocarpon geographicum* agg.

Note 2: *Muellerella ventosicola* s.str. is restricted to the *Ophioparma ventosa*-group with ascomata showing a radially striate ostiolar region as diagnostic phenotypic character under the dissecting microscope.

25. XI. 2012 leg. J. Hafellner (81096), A. Hafellner & L. Muggia, det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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#### 406. *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:** Piemonte, Prov. Cuneo, Western Alps, Alpi Liguri, NE slopes of Monte Bertrand, W above the village Úpega, 44°07'40"N / 007°41'30"E, c. 1960 m elev., open *Larix* forest with *Rhododendron* understory, on bark of *Larix decidua*.

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

20. VII. 2000 leg. J. Hafellner (87605), det. J. Hafellner  
(foray together with P. L. Nimis & M. Tretiach)  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**407. *Phacothecium varium* (Tul.) Trevis.**

in Linnaea 27: 298 (1856). – Bas.: *Phacopsis varia* Tul. in Annales des Sciences Naturelles, Botanique, sér. 3, 17: 125 (1852). – Syn.: *Celidium varium* (Tul.) A.Massal. in Miscellanea Lichenologica: 44 [15] (1856). – *Arthonia varia* (Tul.) Jatta in Sylloge lichenum Italicorum: 471 (1900) non (Ach.) Nyl. (1857). – *Lecidea physciaria* Nyl. in Supplément aux Lichens des Environs de Paris: 8 (1897). – *Leciographa physciaria* (Nyl.) H.Olivier in Bulletin de l'Académie Internationale de Géographie Botanique 16: 48 (1906). – *Opegrapha physciaria* (Nyl.) D.Hawksw. & Coppins in Coppins et al., Lichenologist 24: 367 (1992). – *Mycobilimbia xanthorica* Räsänen in Annales Botanici Societatis Zoologicae-Botanicae Fennicae „Vanamo“ 21, Notul. Bot. 16: 2 (1946).

Host: *Xanthoria parietina* (thallus)

**Europe, Greece:** Crete, distr. Heraklion (Iraklio), Festos, NW of the village Pombia, 35°01'09"N / 024°51'38"E, c. 80 m elev., olive grove near gravel road, on twigs of *Olea europaea*.

Note 1: *Xanthoria parietina* is the type host of *Phacothecium varium* as well as of the heterotypic synonyms *Opegrapha physciaria* and *Mycobilimbia xanthorica*.

Note 2: For a detailed treatment of the species see Hafellner, Bibliotheca Lichenologica 100: 94–99 (2009).

Note 3: The collection distributed here included also *Arthonia parietinaria* (GZU) and *Xanthoriicola physciae* (Lichenicolous Biota no. 410).

2. VI. 2024 leg. W. von Brackel (9109b), det. W. von Brackel  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**408. *Sphaerellothecium coniodes* (Nyl.) Cl.Roux & Diederich**

in Roux & Triebel, Bulletin de la Société Linnéenne de Provence 45: 527 (1994). – Bas.: *Verrucaria coniodes* Nyl. in Flora (Regensburg) 58: 447 (1875). – Syn.: *Pharcidia coniodes* (Nyl.) Sacc. & D. Sacc. in Sylloge Fungorum 17: 647 (1905). – *Arthopyrenia coniodes* (Nyl.) Zopf in Hedwigia 35: 359 (1896).

Host: *Baeomyces rufus* agg. (thallus)

**Europe, Austria:** Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Koralpe, southern slope of the mountain Gradischkogel N above of the artificial lake Soboth, a short distance E of the provincial border to Carinthia, close to the small abandoned quarry, 46°41'30"N / 015°02'00"E, c. 1250 m elev., GF 9356/1, clearing in a mixed forest with dominant *Picea abies*, on small boulders of eclogite.

Note 1: The type host of *Sphaerellothecium coniodes* is *Baeomyces carneus*.

Note 2: Note the greyish discoloration of infected areolae!

17. VII. 2010 leg. J. Hafellner (88186), det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**409. *Tremella parietinae* Freire-Rallo, Diederich, Millanes & Wedin**

in *The Lichenologist* 55(5): 232 (2023).

Host: *Xanthoria parietina* (apothecia)

**Europe, Germany:** Bayern (= Bavaria), Middle Franconia, Roth district, embankment of Rhine-Main-Danube Canal, SE of the lock Eckersmühlen, 49°12'00"N / 011°11'53"E, c. 370 m elev., GF 6733/3, edge of forest, on twigs of various shrubs.

Note 1: *Xanthoria parietina* is the type host of *Tremella parietinae*.

Note 2: *Teloggalla olivieri* (Vouaux) Nik.Hoffm. & Hafellner is present on all duplicates as admixture.

22. V. 2024

leg. W. von Brackel (9100), det. W. von Brackel

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

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Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**410. *Xanthoriicola physciae* (Kalchbr.) D.Hawksw.**

in Hawksworth & Punithalingam, *Transactions of the British Mycological Society* 61: 67 (1973). – Bas.: *Gymnosporium physciae* Kalchbr. in *Mathematikai és Természettudományi Közlemények* 3: 299 (1865). – Syn.: *Coniosporium physciae* (Kalchbr.) Sacc. in *Sylloge Fungorum* 4: 246 (1886).

Host: *Xanthoria parietina* (apothecia)

**Europe, Greece:** Crete, distr. Heraklion (Iraklio), Festos, NW of the village Pombia, 35°01'09"N / 024°51'38"E, c. 80 m elev., olive grove near gravel road, on twigs of *Olea europaea*.

Note 1: *Xanthoria parietina* is the type host of the species.

Note 2: The collection distributed here included also *Arthonia parietinaria* (GZU) and *Phacothecium varium* (Lichenicolous Biota no. 407).

2. VI. 2024

leg. W. von Brackel (9109c), det. W. von Brackel

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

Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**411. *Abrothallus caerulescens* I.Kotte**  
(anamorphic state of *Vouauxiomyces*-type)

in Centralblatt für Bakteriologie und Parasitenkunde, 2. Abt., 24: 86 (1909).

Host: *Xanthoparmelia stenophylla* (thallus)

**Europe, Austria:** Steiermark (= Styria), Eastern Alps, Steirisches Randgebirge, Joglland, c. 4,5 km E above of the town Birkfeld, mountain Zeiseleck N above of the pass Gschaid Sattel, SE ridge, 47°20'45"N / 015°45'20"E, c. 980 m elev., GF 8660/4, boulder field and cliffs on clearing with scattered *Pinus sylvestris* on slope exposed to the S, on inclined rock faces of gneissic boulders.

Note 1: The type host of *Abrothallus caerulescens* is *Xanthoparmelia conspersa*. No anamorphic state is present on the type material (Kotte, l.c.).

Note 2: The material distributed here has been assigned to *A. caerulescens* because the characters – amyloid I(Lugol)-reaction of the vegetative hyphae, host genus – fit the protologue of that species and at the same time distinguish it from *Abrothallus tulasnei* M.S.Cole & D.Hawksw. equally described from *Xanthoparmelia (stenophylla)*. Material of *A. tulasnei* has been distributed as Lichenicolous Biota no. 401.

19. X. 2003

leg. J. Hafellner (62095), det. J. Hafellner

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

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Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**412. *Amandinea deminuta* Hafellner**

in Bibliotheca Lichenologica 88: 177 (2004).

Host: *Teloschistopsis bonae-spei* (thallus, apothecia)

**Africa, South Africa:** coast of Atlantic Ocean c. 57 km W of Clanwilliam, Lambert's Bay (Lambertsbaai), just S of the village, 3218AB, 32°06'20"S / 018°18'15"E, c. 5 m elev., rocky seashore, quartzitic sandstone, on outcrops and boulders exposed to SW.

Note 1: The type host of *Amandinea deminuta* is *Caloplaca felipponei*.

Note 2: Duplicates of a paratype collection have been distributed by W. Obermayer as *Dupla Graecensia Lichenum* 334.

Note 3: Both *Caloplaca felipponei* and *Teloschistopsis bonae-spei* (syn. *Caloplaca b.*) are maritime species of the Southern Hemisphere, the first confined to Atlantic South America, the second to southern Africa.

14. II. 1992

leg. J. Hafellner (88185) & A. Hafellner, det. J. Hafellner

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

Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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### 413. *Cercidospora epipolytropica* (Mudd) Arnold

in Flora (Regensburg) 57: 154 (1874). – Bas.: *Thelidium epipolytropum* Mudd in Manual of British Lichens: 298 (1861). – Syn.: *Didymella epipolytropica* (Mudd) Berl. & Voglino in Sylloge Fungorum Additamentum I–IV: 89 (1886). – *Didymosphaeria epipolytropica* (Mudd) G.Winter in Rabenhorst's Kryptogamen-Flora, 2. Aufl., Pilze, 1(2): 432 (1885).

Host: *Lecanora polytropica* var. *polytropica* (apothecia)

**Europe, Austria:** Kärnten (= Carinthia), Eastern Alps, Saualpe W above the town Wolfsberg, on the mountain Kienberg NW above of Ladinger Alm, in the upper part of ridge descending towards the E, 46°53'00"N / 014°39'05"E, c. 1980 m elev., GF 9153/2, loose boulders and pebbles in open mosaic of alpine vegetation, on pebbles of micaschist.

Note: *Lecanora polytropica* is the type host of *Cercidospora epipolytropica*.

11. IX. 2011

leg. J. Hafellner (88187), det. J. Hafellner

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

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Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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### 414. *Muellerella rhizocarpicola* Brackel

in Archive for Lichenology 35: 10 (2023). – *Muellerella pygmaea* var. *ventosicola* sensu auct. non (Mudd) Triebel, non *Muellerella ventosicola* (Mudd) D.Hawksw.

Host: *Rhizocarpon geographicum* (thallus)

**Europe, Austria:** Steiermark (= Styria), Eastern Alps, Central Alps, Niedere Tauern, Seckauer Tauern, N of the village Seckau, ridge connecting the mountains Hämmerkogel and Schwaigerhöhe, 47°20'25"N / 014°45'25"E, c. 2130 m elev., GF 8654/4, rocky wind-swept crest with open alpine vegetation, on pebbles of gneiss lying on the ground.

Note 1: The recently described species replaces *Muellerella pygmaea* var. *ventosicola* sensu auct. non (Mudd) Triebel, a name often applied to a strain of the *Muellerella pygmaea*-group infecting thalli of *Rhizocarpon geographicum* agg.

Note 2: *Muellerella ventosicola* s.str. is restricted to the *Ophioparma ventosa*-group with ascomata showing a radially striate ostiolar region as diagnostic phenotypic character under the dissecting microscope.

15. X. 2017

leg. J. Hafellner (84157), det. J. Hafellner

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

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**415. *Sclerococcum sphaerale* (Ach.) Fr.**

in Scleromyceti Suecici no 179 (1821). – Bas.: *Spiloma sphaerale* Ach. in Synopsis Methodica Lichenum: 2 (1814). – Syn.: *Acolium sphaerale* (Ach.) Rehm in Rabenhorst's Kryptogamen-Flora, 2. Aufl., Pilze, 1(3): 400 (1890). – *Coniothecium sphaerale* (Ach.) Keissl. in Rabenhorst's Kryptogamen-Flora, 2. Aufl., Pilze, 8: 616 (1930).

Host: *Lepra corallina* (thallus)

**Europe, Austria:** Steiermark (= Styria), Eastern Alps, Niedere Tauern, Schladminger Tauern, on the mountain H6chstein S of the village Haus/Ennstal, summit area, 47°20'50"N / 013°47'30"E, c. 2530 m elev., GF 8648/4, cliffs of siliceous rock exposed to the N, on steep rock faces.

Note 1: *Lepra corallina* is the type host of *Sclerococcum sphaerale*.

Note 2: It has been demonstrated (Diederich et al., Bryologist 121(3): 340–425, 2018) that the genera *Sclerococcum* and *Dactylospora* form a single clade within the class Eurotiomycetes.

8. X. 1977 leg. J. Hafellner (3883) & E. Wind, det. J. Hafellner  
distributed to: BR, CANB, GZU, NY, UPS

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Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**416. *Stigmidium epixanthum* Hafellner Paratype**

in Hafellner et al., Mycotaxon 84: 317 (2002).

Host: *Acarospora* spec. (thallus)

**Northern America, Mexico:** Sinaloa, ca. 30 km NW of Los Mochis, about 3 km NNE of Higuera de Zaragoza, W end of hill chain NW of Ahome, 26 01'N / 109°16'W, c. 50 m elev., semidesert scrub with volcanic outcrops on NW-facing hillside, on small boulders.

Note: The type host of *Stigmidium epixanthum* is an unnamed saxicolous *Acarospora* subgen. *Acarospora* (*Xanthothallia*) occurring at mid elevations in Baja California Sur.

12. II. 1993 leg. J. Hafellner (40211) & A. Hafellner, det. J. Hafellner  
distributed to: BR, CANB, GZU, NY, PRM, UPS

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**417. *Unguiculariopsis lettaui* (Grubmann) Coppins**

in Notes from the Royal Botanical Garden Edinburgh 46: 387 (1990). – Bas.: *Pyrenopeziza lettaui* Grubmann in Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie 80: 140 (1960). – *Skyttea lettaui* (Grubmann) D.Hawksw. in Notes from the Royal Botanical Garden Edinburgh 40: 396 (1982).

Host: *Evernia prunastri* (thallus)

**Europe, Austria:** Kärnten (= Carinthia), Eastern Alps, Hohe Tauern, Ankogel group, in the valley Gößgraben NW of the village Gmünd, E of the cascade Zwillingsfall, somewhat W opposite to Untere Thomanbauerhütte, 46°59'00"N / 013°22'35"E, c. 1150 m elev., GF 9046/1, edge of deciduous forest close to bank of stream, on bark of *Alnus incana*.

Note 1: *Evernia prunastri* is the type host of *Unguiculariopsis lettaui*.

Note 2: In a phylogenetic study *Unguiculariopsis* has been confirmed as branch in the Helotiales-Encoelioidae clade (Suija et al., Fungal Diversity 70: 55–72, 2015).

30. VIII. 1994

leg. J. Hafellner (33063), det. J. Hafellner

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

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**418. *Heteroplacidium zamenhofianum* (Clauzade & Cl.Roux)  
Gueidan & Cl.Roux**

in Roux, Bulletin d'Information de l'Association Française de Lichénologie 32(2): 34 (2007). – Bas.: *Verrucaria zamenhofiana* Clauzade & Cl.Roux in Bulletin de la Société Botanique du Centre-Ouest 7: 823 (1985).

Host: *Staurothele areolata* (thallus)

**Europe, Italy:** Piemonte, Prov. Cuneo, Western Alps, Alpi Cozie, in the valley E below Colle Valcavera, 44°22'40"N / 007°07'30"E, c. 2140 m elev., large boulders of calcareous schist in subalpine pasture, on inclined rock faces.

Note: *Staurothele areolata* is the type host of *Heteroplacidium zamenhofianum*.

23. VII. 2000

leg. J. Hafellner (87652), det. J. Hafellner  
(foray together with P. L. Nimis & M. Tretiach)

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

Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**419. *Pisutiella grimmiae* (Nyl.) S.Y.Kondr., Lőkös & Farkas**

in Kondratyuk et al., Acta Botanica Hungarica 62(1-2): 122 (2020). – Bas.: *Lecanora grimmiae* Nyl. in Flora (Regensburg) 69: 97 (1886). – Syn.: *Placodium grimmiae* (Nyl.) Vain. in Természettudományi Füzetek 22: 297 (1899). – *Caloplaca grimmiae* (Nyl.) H.Olivier in Mémoires de la Société Nationale des Sciences Naturelles et Mathématiques de Cherbourg 37: 119 (1909).

Host: *Candelariella vitellina* (thallus)

**Europe, Italy:** Piemonte, Prov. Cuneo, Western Alps, Alpi Cozie, Valle Varaita c. 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: *Candelariella vitellina* is the type host of *Pisutiella grimmiae*.

Note 2: Lichenicolous growth is not mentioned in the protologue but has later been demonstrated for the holotype specimen (Poelt & Kalb, Flora (Jena) 176: 132, 1985).

25. VII. 2000 leg. A. Hafellner & J. Hafellner (87721), det. J. Hafellner  
(foray together with P. L. Nimis & M. Tretiach)

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

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Hafellner J. 2024: Lichenicolous Biota (Nos 401–420). - Fritschiana 102: 17–33.

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**420. *Rhizocarpon furax* Poelt & V.Wirth**

in Poelt, Mitteilungen der Botanischen Staatssammlung München 8: 194 (1970).

Host: *Lecidea lapicida* (thallus)

**Europe, Italy:** Piemonte, prov. Cuneo, Western Alps, Alpi Liguri, uppermost N ridge of Monte Saccarello, SW above the village Monesi, on the E side of the crest NW of Monumento al Redentore, 44°03'45"N / 007°42'50"E, c. 2150 m elev., outcrops of siliceous sandstone in alpine meadows, on inclined rock faces of low outcrops.

Note 1: The type host of *Rhizocarpon furax* was tentatively determined as *Lecidea swartzioidea*.

Note 2: The apothecial discs of *Rhizocarpon furax* are quite regularly provided with umbos of roundish to irregular shape (entire appearance therefore somewhat similar to a '*Polysporina*' or even '*Opegrapha*'). The character is also visible on the type specimen (GZU) but not mentioned in the protologue.

18. VII. 2000 leg. A. Hafellner & J. Hafellner (87441), det. J. Hafellner  
(foray together with P. L. Nimis & M. Tretiach)

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



## Taxon Synopsis:

| Taxon  | Exs. no. |
|--|----------|
| Ascomycota   |          |
| Arthoniomycetes  |          |
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| <i>Phacothecium varium</i> .....   | 407      |
| Lecanoromycetes (incl. Ostropomycetidae)                                 |          |
| <i>Amandinea deminuta</i> .....  | 412      |
| <i>Phacopsis vulpina</i> .....   | 406      |
| <i>Pisutiella grimmiae</i> .....   | 419      |
| <i>Rhizocarpon furax</i> .....   | 420      |
| Leotiomycetes (incl. Helotiales)   |          |
| <i>Unguiculariopsis lettaui</i> .....                                    | 417      |
| Sordariomycetes (incl. Hypocreales)                                      |          |
| Eurotiomycetes (incl. Verrucariales, Chaetothyriales and Mycocaliciales) |          |
| <i>Heteroplacidium zamenhofianum</i> .....                               | 418      |
| <i>Muellerella rhizocarpicola</i> .....                                  | 405, 414 |
| <i>Sclerococcum sphaerale</i> .....                                      | 415      |
| Dothideomycetes  |          |
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| <i>Abrothallus tulasnei</i> .....  | 401      |
| <i>Cercidospora epipolytropa</i> .....                                   | 413      |
| <i>Sphaerellothecium coniodes</i> .....                                  | 408      |
| <i>Stigmatidium epixanthum</i> .....                                     | 416      |
| Anamorphic Fungi (unclassified)  |          |
| Hyphomycetes   |          |
| <i>Xanthoriicola physciae</i> .....                                      | 410      |
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| Agaricomycetes   |          |
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| Tremellomycetes  |          |
| <i>Biatoropsis hirtae</i> .....  | 403      |
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## Host Index:

| Host taxon                              | Lichenicolous taxon                        | Exs. no. |
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| <i>Evernia prunastri</i> .....          | <i>Unguiculariopsis lettaui</i> .....      | 417      |
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| <i>Lecidea lapicida</i> .....           | <i>Rhizocarpon furax</i> .....             | 420      |
| <i>Lepra corallina</i> .....            | <i>Sclerococcum sphaerale</i> .....        | 415      |
| <i>Letharia vulpina</i> .....           | <i>Phacopsis vulpina</i> .....             | 406      |
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|   | <i>Cercidospora epipolytropa</i> .....     | 413             |
|   | <i>Unguiculariopsis lettaui</i> .....      | 417             |
|   | <i>Marchandiomyces corallinus</i> .....    | 404             |
|   | <i>Muellerella rhizocarpicola</i> .....    | 405, 414        |
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|   | <i>Sphaerellothecium coniodes</i> .....    | 408             |
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|   | <i>Phacothecium varium</i> .....           | 407             |
|   | <i>Xanthoriicola physciae</i> .....        | 410             |
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|   | <i>Heteroplacidium zamenhofianum</i> ..... | 418             |
|   | <i>Phacopsis vulpina</i> .....             | 406             |
|   | <i>Pisutiella grimmiae</i> .....           | 419             |
|   | <i>Rhizocarpon furax</i> .....             | 420             |
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