Dupla Graecensia Lichenum (numbers 1291–1330)

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OBERMAYER W. 2022: Dupla Graecensia Lichenum (numbers 1291–1330). - Fritschiana (Graz) 100: 1–12. - ISSN 1024-0306.

Abstract: The exsiccata 'Dupla Graecensia Lichenum (numbers 1291–1330)' comprises 40 collections (271 specimens) of lichen duplicates (including the two non-lichenised fungi *Mycocalicium subtile* and *Zythia resinae*) from the following 10 countries: Artsakh (= Nagorno-Karabakh Republic, Province Martakert), Australia (state of New South Wales), Austria (states of Carinthia, Salzburg, Styria, and Upper Austria), Czech Republic (Jihočeský kraj [=Southern Bohemia]), Greece (Karpathos Island), Italy (region of Friuli-Venezia Giulia), Portugal (Madeira Island), Slovenia (Primorska), Spain (Canary Islands), Switzerland (canton of Bern). TLC-investigations were carried out for 15 species. Apothecia of *Letharia vulpina* have been shown to contain relatively high amounts of **norstictic acid**. Apothecia of *Zythia resinae* contain - beside a reddish-orange pigment - several depside/depsidone like compounds in high concentration.

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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 Karl-Franzens-University, Graz, Austria (international herbarium acronym: GZU). It includes lichens (and sometimes lichenicolous fungi or other non-lichenised fungi with a lichen-like habit) from all over the world with at least five duplicates of per 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-100/fritschiana-100.pdf.

Label texts originally drafted in a local language have been translated into English by the author. The names of nomenclatural authorities of lichenised fungi are given in a NOT abbreviated style and are (mostly) taken from https://www.mycobank.org/. The geographical classification system of the Europaean 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 & Verlucca (Scarmagno).

I wish to thank the following collectors for their contributions: Josef HAFELLNER, Helmut MAYRHOFER, Roman TÜRK, Ernst VITEK, and Jan VONDRÁK. Josef HAFELLNER and Christian SCHEUER have kindly checked the label texts.

1291. Anaptychia setifera (Mereschkowsky) Räsänen

ARTSAKH (Nagorno-Karabakh Republic), Province Martakert, 30 km north-northeast of the centre of Stepanakert, 3 km east-southeast of the village Gandzasar (Vəngli), side road to Garnakar, 40°02'01"N, 046°34'33"E, elevation 945 m, dry slope with *Paliurus*, on twigs of *Paliurus*. – 8 June 2010, collected by Ernst Vitek (et al.), determined by Helmut Mayrhofer (2021).

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

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1292. Bacidina neosquamulosa (Aptroot & Herk) Stefan Ekman

CZECH REPUBLIC, Jihočeský kraj (Southern Bohemia), České Budějovice, urban area of the town, near the building of the Department of Botany (street name: Na Zlaté stoce), 48°58'28.145"N, 014°27'21.244"E, elevation 390 m, on bark of *Robinia pseudacacia*. – 9 December 2013, collected and determined by Jan Vondrák (JV 11541).

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1293. *Calicium viride* Persoon

AUSTRIA, Steiermark (=Styria), Eastern Alps, Northern Limestone Alps, Ennstal Alps, Gesäuseberge, 14 km east of the centre of Admont, path from Johnsbach to Hess-Hütte, just east above 'Untere Koderalm', 47°32'45"N, 014°38'35"E, (grid number 8453/4), elevation 1520 m, mixed forest with many conifers, on bark of *Picea abies*. – 25 September 2005, collected and determined by Josef Hafellner (67546).

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

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1294. *Chaenotheca brunneola* (Acharius) Müller Argoviensis

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, Picea abies*, on wood of a rotten stump (1.5 m above ground). – 20 November 2022, collected and determined by Walter Obermayer (15956).

1295. *Chaenotheca stemonea* (Acharius) Müller Argoviensis

AUSTRIA, Salzburg, Eastern Alps, Lungau, Lower Tauern, Schladming Tauern, 7 km northeast of the centre of Tamsweg, 12 km west of Krakaudorf, just southwest of the lakeshore of Prebersee, 47°11'00"N, 015°51'20"E, (grid number 8849/1), elevation 1520 m, subalpine spruce forest with single European larches, on bark of *Picea abies.* – 30 August 2019, collected and determined by Josef Hafellner (85884).

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1296. *Dimelaena radiata* (Tuckerman) Hale & William Lois Culberson

PORTUGAL, Madeira, Ponta de São Lourenço, along the trail to Casa Sardinha, 32°44′50.8″N, 016°41′52.7″W, elevation 60 m, rocky ridge, on basaltic rock. – 2 April 2015, collected and determined by Helmut Mayrhofer (21963).

Note: TLC (Mayrhofer & Kosnik): 3-chlorodivaricatic acid. Specimens partly with intermixed Acarospora lavicola.

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1297. *Evernia prunastri* (Linnaeus) Acharius

[specimen in GZU with about 10 apothecia]

AUSTRIA, Steiermark (=Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 3.6 km south-southwest of the centre of St.Jakob-Breitenau, 800 m west-southwest of the summit of Hochlantsch, just southeast of the tavern 'Steirischer Jokl', 47°21'39"N, 015°24'46"E, (grid number 8658/1), elevation 1395 m, mixed forest, on bark of *Acer pseudoplatanus*. – 3 October 2021, collected and determined by Walter Obermayer (15620).

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1298. *Heterodermia borphyllidiata* (Kalb & Meesim) Maria Fernanda de Souza & Aptroot

[recently used synonym: Leucodermia b.]

SPAIN, Canary Islands, Tenerife, Macizo de Anaga, north above the road from Las Mercedes to El Bailadero, c. 4 km east of Las Casas de la Cumbre, 28°32'50"N, 016°12'45"W, elevation 700 m, cliff of volcanic conglomerate in a *Laurus* forest belt (fayal-brezal formation), on steep rock faces exposed to the north. – 19 February 1989, collected by Josef Hafellner (84406) & Angela Hafellner, determined by Josef Hafellner.

Note: TLC (611/01): Atranorin, chloroatranorin, zeorin. The phyllidiate *Heterodermia borphyllidiata* is partly intermixed with the sorediate *Heterodermia boryi*.

1299. *Hyperphyscia adglutinata* (Flörke) Helmut Mayrhofer & Poelt

AUSTRIA, Steiermark (=Styria), Southeastern Alpine Foreland (=Südöstliches Alpenvorland), Oststeirisches Riedelland, urban area of Graz, Schubertstraße, 500 m southwest of the pond 'Hilmteich', near the entrance to the Botanical Garden, 47°04'48"N, 15°27'22"E, (grid number 8958/2), elevation 374 m, avenue trees, on bark of *Aesculus hippocastanum* (near the tree base). – 10 March 2022, collected and determined by Walter Obermayer (15801).

Note: *Hyperphyscia adglutinata* is one of the many lichens that is a typical beneficiary of changing environmental conditions and currently shows a literally explosive spread in the urban area of Graz and its surroundings. - Associated fungus: *Hysterium angustatum* (4-celled, brown ascospores; terminal cells of the same colour as the inner spore cells).

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1300. *Hyperphyscia adglutinata* (Flörke) Helmut Mayrhofer & Poelt

AUSTRIA, Oberösterreich (=Upper Austria), Upper Austrian Prealps, 3.4 km east of Molln, valley of 'Krumme Steyrling', area of the country inn 'Steiner Kraml', 47°53'32"N, 014°18' 13"E, (grid number 8151/2), elevation 450 m, outdoor dining garden, on bark of *Aesculus hippocastanum*. – 3 August 2013, collected by Roman Türk (52171) & Wolfgang Mayer, determined by Roman Türk.

Note: All specimens show richly fruiting thalli (glued on the left side of the cardboards pads).

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

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1301. *Hypogymnia farinacea* Zopf

AUSTRIA, Salzburg, Eastern Alps, Flachgau, Northern Limestone Alps, Salzkammergut Mountains, 5.7 km east of the centre of St.Gilgen, Schafberg, east-northeast of the lake Suissensee, 47°46'39"N, 013°26'26"E, (grid number 8246/2), elevation 1404 m, mixed forest, on bark of *Larix decidua*. – 2 October 2021, collected and determined by Roman Türk (63564).

Note: TLC (611/04): Atranorin, chloroatranorin, physodic acid, oxyphysodic acid, 2'-O-methyl-physodic acid (tr.), unknown fatty acid.

1302. *Hypotrachyna afrorevoluta* (Krog & Swinscow) Krog & Swinscow

AUSTRIA, Salzburg, Northern Alpine Foreland, Flachgau, 17 km northeast of the centre of Salzburg, 4.3 km southwest of the centre of 'Neumarkt am Wallersee', 900 m south of Weng, 'Wenger Moor', 47°55'43"N, 013°10'21"E, (grid number 8045/3), elevation 510 m, bog area, on twigs of *Alnus glutinosa*. – 2 March 2021, collected and determined by Roman Türk (62974).

Note: TLC (611/07): Atranorin, chloroatranorin, gyrophoric acid (maj.), lecanoric acid (tr.), 5-O-methylhiascic acids (min.)

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1303. Lecanactis abietina (Ehrhart ex Acharius) Körber

AUSTRIA, Salzburg, Northern Alpine Foreland, Flachgau, 11.5 km northeast of the centre of Salzburg, between 'Seekirchen am Wallersee' and Eugendorf, 500 m north of the hamlet Wazing-Eder, 47°52'48"N, 013°08'11"E, (grid number 8144/2), elevation 565 m, on bark of *Abies alba.* – 4 March 2021, collected and determined by Roman Türk (62971).

Note: All issued specimens with pycnidia but without apothecia. TLC (611/05): Schizopeltic acid [maj.], lecanoric acid [tr.], unknown UV-white substance, unknown terpenoids. *Lepraria incana* (TLC 611/06: Zeorin, divaricatic acid) associated in all specimens.

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1304. **Lecanora cenisia** Acharius

AUSTRIA, Kärnten (=Carinthia), Eastern Alps, Saualpe, 10.7 km west of the centre of Wolfsberg, Beilstein, 1.5 km northwest of Gießlhütte, short and flat ridge north of the summit, 46°50'55"N, 014°42'15"E, (grid number 9154/3), elevation 1400 m, eclogite outcrops with scattered *Larix decidua*, on inclined rock faces exposed to the south. – 16 October 2010, collected and determined by Josef Hafellner (76350).

Note: TLC (611/12): Atranorin, chloroatranorin, fatty acid (roccellic acid?)

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1305. Lecanora epanora (Acharius) Acharius

AUSTRIA, Salzburg, Eastern Alps, Lungau, Lower Tauern, Schladming Tauern, 10 km northwest of the centre of Mariapfarr, valley of the brook Weißpriach, just south of a bridge called 'Lahnbrücke', 47°13'05"N, 013°39'28"E, (grid number 8747/4), elevation 1280 m, cliffs of paragneiss (along the street), on overhanging rock faces. – 3 September 2019, collected and determined by Josef Hafellner (87013).

1306. *Lecanora subaurea* Zahlbruckner

AUSTRIA, Salzburg, Eastern Alps, Lungau, Lower Tauern, Schladming Tauern, 13.2 km northwest of the centre of Mariapfarr, valley of the brook Weißpriach, at the foot of the southwest facing slopes of Schusterstuhl, just southeast of Ulnhütte, 47°14'15"N, 013°38' 05"E, (grid number 8747/4), elevation 1320 m, scattered boulders in a pasture, on iron-rich rock faces. – 3 September 2019, collected and determined by Josef Hafellner (86254). Note: Specimen in GZU with apothecia.

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1307. Lecidea turgidula Fries

AUSTRIA, Steiermark (=Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, 3.7 km south-southwest of the centre of St.Jakob-Breitenau, 800 m southwest of the summit of Hochlantsch, 270 m southeast of the tavern 'Steirischer Jokl', 47°21'34"N, 015°24'52"E, (grid number 8658/1), elevation 1355 m, mixed forest, on vertical faces of a strongly rotten stump. – 3 October 2021, collected and determined by Walter Obermayer (15670).

Note: TLC (611/14; thallus with apothecia): Placodiolic acid.

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1308. Letharia vulpina (Linnaeus) Hue

AUSTRIA, Kärnten (=Carinthia), Eastern Alps, Gurktal Alps, Nockberge, 5 km east-south-east of the centre of Radenthein, 2.5 km northeast of the centre of 'Feld am See', south facing slopes of Kolmnock, 46°47'25"N, 013°46'16"E, (grid number 9248/2), elevation 1670 m, subalpine meadows with scattered coniferous trees, on wood of a very big dead branch of *Picea abies* (cut from the tree). – 2021, collected by local people for decoration purposes (gift from Lucy Asplin) (15594), determined by Lucy Asplin & Walter Obermayer.

Note: All issued specimens with fruiting bodies. TLC [a) **thallus** without apothecium]: atranorin (tr.), vulpinic acid (maj.; and 4 related substances), fatty acid (A: slightly below salazinic acid; B': slightly above salazinic acid; C: slightly below salazinic acid). TLC [b) **one big apothecium**]: additionally with **norstictic acid** as a major compound. Norstictic acid as a apothecial constituent has been reported for the first time from European specimens of *Letharia vulpina* by William Louis Culberson (see Culberson 1969: Norstictic Acid as a hymenial constituent of *Letharia*. - Mycologia 61(4): 731–736). The lichen substance was also found in the hymenia of *Letharia lupina*, but lacks in those of *L. columbiana* (see Altermann, Leavitt & Goward 2016: Tidying up the genus *Letharia*: introducing *L. lupina* sp. nov. and a new circumscription for *L. columbiana*. - The Lichenologist 48(5): 423–439).

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

1309. *Melanelia stygia* (Linnaeus) Esslinger

AUSTRIA, Salzburg, Eastern Alps, Pinzgau, Salzburg Slate Alps (Salzburger Schieferalpen), Dientner Berge, Hundstein, summit area, 47°20'17"N, 012°54'44"E, (grid number 8643/3), elevation 2100 m, alpine vegetation, on siliceous outcrops. – 4 November 1975, collected and determined by Roman Türk (62663).

Note: TLC (611/08; without apothecia): Caperatic acid (maj.), unknown fatty acid (min., 2-3/5/4-5). TLC (611/09; with apothecia): No substances detected.

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1310. Micarea lithinella (Nylander) Hedlund

AUSTRIA, Steiermark (=Styria), Eastern Alps, Steirisches Randgebirge, Koralpe, Reinischkogel-Massif, 7.7 km northwest of the centre of Stainz, Nausegg northwest above Sauerbrunn, northwest of the farmstead Steinbrecher, 46°55'35"N, 015°10'30"E, (grid number 9057/3), elevation 720 m, north exposed cut slope, on rubblestones (plate gneiss). – 18 June 2006, collected by Josef Hafellner (68469) & Lucia Muggia, determined by Josef Hafellner.

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1311. *Miriquidica leucophaea* (Flörke ex Rabenhorst) Hertel & Rambold

AUSTRIA, Steiermark (=Styria), Eastern Alps, Steirisches Randgebirge, Koralpe, 16 km west of Deutschlandsberg, 3.8 km south of Weinebene, 600 m south of Grünangerhütte (ridge area), 46°48'25"N, 015°00'40"E, (grid number 9156/3), elevation 1720 m, pasture with scattered siliceous rocks and single trees at the tree line, on inclined faces of low mica slate outcrops. – 14 August 2004, collected and determined by Josef Hafellner (68381).

Note: TLC (611/11): Miriquidic acid (maj.), [traces of norstictic acid probably as contamination].

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1312. *Mycocalicium subtile* (Persoon) Szatala

[not a lichenised fungus, but morphologically similar to calicioid lichens]

ITALY, Friuli-Venezia Giulia, Prov. Udine, Southern Eastern Alps, Julian Alps, Laghi di Fusine east of Tarvisio, surroundings of the upper lake, 46°28'45"N, 013°40'20"E, elevation 930 m, montane *Picea-Fagus* forest over mesozoic limestone, on rotten snags. – 1 August 2003, collected and determined by Josef Hafellner (86964).

1313. *Myriolecis reuteri* (Schaerer) Śliwa, Zhao Xin & Lumbsch [recently used synonyms: *Lecanora r., Polyozosia r.*]

AUSTRIA, Steiermark (=Styria), Eastern Alps, Northern Limestone Alps, Mürzsteg Alps, 6 km north-northeast of the centre of Turnau, ridge area between Rosskogel and Rauschkogel, Sattelmauer, 47°36'30"N, 015°21'55"E, (grid number 8358/3), elevation 1540 m, northeast facing base of cliffs, on vertical faces of limestone rock walls (shaded by *Picea abies*). – 19 August 2005, collected and determined by Josef Hafellner (69002).

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1314. *Peltigera horizontalis* (Hudson) Baumgarten

AUSTRIA, Steiermark (=Styria), Eastern Alps, Noric Alps, east facing slopes of the Seetal Alps ('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 bryophytes (covering a siliceous boulder; east-exposed). – 9 July 2022, collected and determined by Walter Obermayer (15853).

Note: All specimens with many well developed apothecia.

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1315. *Porina mammillosa* (Theodor Fries) Vainio

AUSTRIA, Kärnten (=Carinthia), Eastern Alps, Steirisches Randgebirge, Koralpe, 12 km east-northeast of the centre of St. Andrä, Großer Speikkogel, 200 m southeast of the summit, along the path in direction to Weinebene, 46°47'09.5"N, 014°58'27"E, (grid number 9255/2), elevation 2100 m, north exposed slopes with siliceous outcrops in alpine vegetation, on plant remnants. – 1 October 2021, collected by Helmut Mayrhofer (21979), determined by Josef Hafellner & Walter Obermayer.

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1316. *Protomicarea limosa* (Acharius) Hafellner

AUSTRIA, Steiermark (=Styria), Eastern Alps, Noric Alps, east facing slopes of the Seetal Alps ('Zirbitzkogel-Gebiet'), 12 km southwest of the centre of Judenburg, 1.4 km southwest of Winterleitenhütte, Ochsenboden area, just northwest of a stone wall, 47°05'04"N, 014°33'39"E, (grid number 8953/1), elevation 1965 m, alpine vegetation along a small brook, on ground. – 3 July 2022, collected and determined by Walter Obermayer (15959).

Note: TLC (611/10; with apothecia): Pannarin (maj.), unknown substance (min., (4-)5/(4-)5/(4-)5)).

1317. **Protopannaria pezizoides** (Gyelnik) Per Magnus Jørgensen & Stefan Ekman [agg.]

SLOVENIA, [Primorska], Goriška, Southern Eastern Alps, Julian Alps, Koritnica valley, 10.6 km north-northeast of Bovec, northeast of the village Log pod Mangartom, 46°24'50"N, 013°38'E, elevation 700 m, mixed forest along a river bed, on dead tree stump. – 2 July 2003, collected by Helmut Mayrhofer (20172) & Michael Jensen, determined by Helmut Mayrhofer, confirmed by Per Magnus Jørgensen (2015).

Note: A taxon with well developed tiny squamules and rather small spores (16–20[–22] x 8.5–9 μ m, without epispore).

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1318. *Pyrenula nitidella* (Flörke) Müller Argoviensis

AUSTRIA, Steiermark (=Styria), Southeastern Alpine Foreland (=Südöstliches Alpenvorland), Oststeirisches Riedelland, urban area of Graz, 4.8 km east-northeast of the centre, between Haidegg and Fuchsriegel, 300 m north-northwest of the school buildings of Haidegg, 47°04'53"N, 015°29'53"E, (grid number 8958/2), elevation 405 m, mixed forest (along a small brook), on bark of *Carpinus betulus* (shaded side of the tree, facing the brook). – 15 June 2021, collected and determined by Walter Obermayer (15588).

Note: The specimen in GZU contains additionally one small thallus of Pyrenula nitida.

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1319. *Ramalina bourgaeana* Montagne ex Nylander

[recently used synonym: Niebla b.]

SPAIN, Canary Islands, Lanzarote, a short distance west of the village Ye, 29°11'45"N, 013°29'25"W, elevation 360 m, scattered basaltic boulders in abandoned cultivated land, on slightly inclined rock faces of boulders (30–50 cm in diam.). – 4 April 1999, collected by Josef Hafellner (84409) & Angela Hafellner, determined by Josef Hafellner.

1320. *Rhizocarpon riparium* Räsänen

[recently used synonym: Rhizocarpon geographicum subsp. kittilense]

AUSTRIA, Steiermark (=Styria), Eastern Alps, Schladming Tauern, 11.8 km south-south-east of the centre of Großsölk, 1.2 km southwest of 'St. Nikolai im Sölktal', 47°18'40"N, 014°02'00"E, (grid number 8650/3), elevation 1160 m, pasture ground (close to a transitional mire), on siliceous boulder (50 cm heigh; inclined rock faces). – 14 August 2020, collected and determined by Walter Obermayer (15470).

Note: This taxon, belonging to the *Rhizocarpon geographicum* species group (with a J+ violet medulla and submuriform ascospores), is characterized within the species cluster by the K- (not turning reddish) epithecium.

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

OBERMAYER W. 2022: **Dupla Graecensia Lichenum** (numbers 1291–1330). - Fritschiana 100: 1–12. Distributed by the herbarium GZU, University of Graz, Austria.

1321. Roccella maderensis (Julius Steiner) Follmann

PORTUGAL, Madeira, Ponta de São Lourenço, 5 km east of the village Caniçal, north above Ponta do Buraco, 32°44'30"N, 016°41'55"W, elevation 50 m, volcanic outcrops and small cliffs, on overhanging rocks exposed to the southeast. – 13 February 1990, collected by Josef Hafellner (84402) & Angela Hafellner, determined by Josef Hafellner.

Note: TLC (611/02): Erythrin (maj.), lecanoric acid (tr.), unknown (1/1/1).

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

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1322. **Scytinium lichenoides** (Linnaeus) Otálora, Per Magnus Jørgensen & Wedin

[recently used synonym: Leptogium I.]

AUSTRIA, Salzburg, Northern Alpine Foreland, Flachgau, 15 km northeast of the centre of Salzburg, 3.1 km northeast of the centre of 'Seekirchen am Wallersee', 500 m southeast of the centre of Bayerham, 47°54'53"N, 013°09'10"E, (grid number 8044/4), elevation 510 m, railroad embankment, on concrete wall (amongst bryophytes). – 2 March 2021, collected and determined by Roman Türk (62973).

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

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1323. Solorina saccata (Linnaeus) Acharius

AUSTRIA, Steiermark (=Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, Teichalm, 1.8 km west of the tavern Teichwirt, road to the tavern 'Zum Guten Hirten', 47°21'16"N, 015°26'11"E, (grid number 8658/2), elevation 1150 m, cut-slope of a forestry road, on earthy crevices of vertical faces of limestone. – 3 October 2021, collected and determined by Walter Obermayer (15622).

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

1324. Sporopodium flavescens (Rolf Santesson) Vězda

AUSTRALIA, New South Wales, Border Ranges National Park, northeast of Wiangaree, Brindle Creek, 28°23'S, 153°04'E, elevation 850 m, *Nothofagus moorei* forest, on leaves of *Helmholtzia* spec. – 30 August 1986, collected by Josef Hafellner (19979), P. Merrotsy & R. Rogers, determined by Antonin Vězda.

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

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1325. Toninia candida (Weber) Theodor Fries

AUSTRIA, Kärnten (=Carinthia), Eastern Alps, Saualpe, 9.1 km east of Hüttenberg, 900 m southwest of Klippitztörl, logging road from the head of the pass in the direction of Geierkogel, 46°55'50"N, 014°39'55"E, (grid number 9053/4), elevation 1600 m, south exposed marble outcrops with *Sesleria* meadows in a high montane spruce forest, on steep faces of marble rocks. – 14 August 2011, collected and determined by Josef Hafellner (78935).

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

OBERMAYER W. 2022: **Dupla Graecensia Lichenum** (numbers 1291–1330). - Fritschiana 100: 1–12. Distributed by the herbarium GZU, University of Graz, Austria.

1326. *Trapelia placodioides* Coppins & Peter James

AUSTRIA, Steiermark (=Styria), Eastern Alps, Steirisches Randgebirge, Koralpe, Reinischkogel massif, 6.3 km west of 'St. Stefan ob Stainz', orographically right-hand 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 partly shaded rocks. – 5 June 2006, collected by Josef Hafellner (68425) & Lucia Muggia, determined by Josef Hafellner.

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

OBERMAYER W. 2022: **Dupla Graecensia Lichenum** (numbers 1291–1330). - Fritschiana 100: 1–12. Distributed by the herbarium GZU, University of Graz, Austria.

1327. *Trapeliopsis flexuosa* (Fries) Coppins & Peter James

AUSTRIA, Steiermark (=Styria), Eastern Alps, Noric Alps, east facing slopes of the Seetal Alps ('Zirbitzkogel-Gebiet'), 11.5 km southwest of the centre of Judenburg, 800 m southwest of Winterleitenhütte, cwm-area south of the lake '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 plant remnants between small boulders. – 30 October 2022, collected and determined by Walter Obermayer (15957).

Note: TLC (611/03): Gyrophoric acid (maj.), lecanoric acid (tr.).

1328. *Variospora aurantia* (Persoon) Arup, Frödén & Søchting [recently used synonyms: *Caloplaca a., Klauderuiella a.*]

GREECE, Karpathos Island, 3 km south of the harbour of Pigadia (Karpathos town), seaside area northeast of Amoopi, 35°28'56"N, 027°12'29.3"E, elevation 5 m, dried-up creek bed (50 m away from the seashore), on small erratic calcareous boulders. – 9 August 2021, collected and determined by Walter Obermayer (15591).

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

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1329. **Xanthomendoza fulva** (Hoffmann) Søchting, Kärnefelt & Sergey Kondratyuk

[recently used synonyms: Gallowayella f., Oxneria f., Xanthoria f.]

SWITZERLAND, canton of Bern, Western Alps, Bern Alps, 7 km southwest of Meiringen, near the hamlet Schwarzwaldalp, by the road to the saddle 'Große Scheidegg', 46°40'40"N, 008°08'15"E, elevation 1440 m, isolated trees and limestone boulders in a pasture, on bark of *Acer pseudoplatanus*. – 25 August 2006, collected and determined by Josef Hafellner (77216).

Note: All issued specimens with apothecia.

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

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1330. **Zythia resinae** (Ehrenberg) Petter Karsten

[recently used synonyms: Sarea r., Tromera r.]

AUSTRIA, Steiermark (=Styria), Southeastern Alpine Foreland (=Südöstliches Alpenvorland), Oststeirisches Riedelland, urban area of Graz, 5.6 km east-northeast of the centre, between Haidegg and Schweinberg, 730 m northeast of the school buildings of Haidegg, 47°04'55"N, 015°30'33"E, (grid number 8959/1), elevation 470 m, mixed forest, on old resin (covering the bark of *Larix decidua*). – 19 April 2021, collected and determined by Walter Obermayer (15578b).

Note: **Non-lichenised fungus**, but often listed in lichenological literature because of its lichen-like fruiting bodies. TLC (611/15, ten apothecia used): Orange-red pigment (maj., 2-3/3-4/3), several lecanoric/gyrophoric acid like substances in high concentration (in A: 3, in B': 4 and 4-5 and 5, in C: 3 and 3-4). Two stictic acid like substances (in A: 2, in B: 3-4, in C: 1-2 and 2). Unknown terpenoids and fatty acids. - The specimen in GZU also contains well-preserved white exoskeletons of *Cylindroiulus luridus*, a millipede from the order Julida (determined by Michaela BODNER & Hans REIP). The diplopods are semi-embedded in tree resin, which is also the substrate for *Zythia resinae*.