

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).

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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).

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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).

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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.

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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.) α -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).

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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.

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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).

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**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 H₂SO₄), unknown pigment (maj./min.; 3/2–3/3, UV-bright yellow before H₂SO₄), unknown pigment (min./tr.; 4/4/5, UV-bright yellow before H₂SO₄), unknowns.

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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).

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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.

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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.

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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).

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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*.

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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.

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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).

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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].

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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.).

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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.

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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**

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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**

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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.

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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**

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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].

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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.).

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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.

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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).

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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*.

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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).

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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**

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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*.

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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.

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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.

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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**

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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**

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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).

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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**

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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.

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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**

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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**

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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**

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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**

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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**