

## Lichenotheca Graecensis, Fasc. 21 (Nos 401–420)

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OBERMAYER W. 2012: Lichenotheca Graecensis, Fasc. 21 (Nos 401–420). - Fritschiana (Graz) 74: 43–48. - ISSN 1024-0306.

**Abstract:** Fascicle 21 of Lichenotheca Graecensis comprises 20 collections of lichens from the following countries (and administrative subdivisions): Austria (Carinthia [6]; Salzburg [3]; Styria [5]; Upper Austria [1]), Russia (Republic of Buryatia [2]; Orenburg Oblast [1]), Slovenia [1], and Uruguay (Montevideo [1]). TLC-analyses were carried out for *Cladonia uncialis* subspecies *biuncialis*, *Ochrolechia turneri*, *Trapeliopsis granulosa*, and *Usnea densirostra*.

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The exsiccata series 'Lichenotheca Graecensis' is distributed on exchange basis to the following 19 public herbaria and to one private collection (herbarium abbreviations follow <http://sciweb.nybg.org/science2/IndexHerbariorum.asp>): ASU, B, C, CANB, CANL, E, G, GZU, H, HAL, HMAS, LE, M, MAF, MIN, O, PRA, TNS, UPS, Klaus KALB. A text version of Lichenotheca Graecensis can be found under <http://www.uni-graz.at/walter.obermayer/li-grz1.htm>, a pdf-file is stored under <http://www.uni-graz.at/walter.obermayer/lichenotheca-graecensis-21.pdf>. Label texts originally drafted in a local language have been translated into English by the author.

I wish to thank the following lichenologists who have made their lichen material available, particularly Josef HAFELLNER (Graz), Helmut MAYRHOFER (Graz), Héctor S. OSORIO (Montevideo), Toby SPRIBILLE (Missoula and Graz), Roman TÜRK (Salzburg), Gennadii URBANAVICHUS and Ira URBANAVICHENE (Murmansk), and Jan VONDRÁK (Průhonice and Ceske Budejovice). Josef HAFELLNER, Helmut MAYRHOFER, and Christian SCHEUER kindly checked the manuscript for errors. I am indebted to Josef HAFELLNER for the determination of one lichenicolous fungus (*Asterophoma mazaediicola* on *Calicium trabinellum*) and to Leif Tibell for the confirmation of the determination of the cited lichen.

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#### 401. *Acrocordia gemmata* (Ach.) A.Massal.

**AUSTRIA**, Salzburg, Flachgau region (=Salzburg-Umgebung district), 4.9 km SSE of the centre of 'Neumarkt am Wallersee', Henndorfer Wald, 4.8 km ENE of the centre of Henndorf, valley of the brook Aubach, 47°54'25"N, 013°14'51"E, 630 m above sea level, (grid number 8045/3), on stembark of old *Fraxinus excelsior*, 22 April 2012, collected and determined by Roman Türk (50925).

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#### 402. *Arthonia leucopellaea* (Ach.) Almq.

**AUSTRIA**, Oberösterreich (=Upper Austria), Salzkammergut, 2.6 km SW of Hallstatt, Echerntal, 47°32'50"N, 013°37'22"E, 585 m above sea level, (grid number 8447/4), on stembark of *Picea abies*, 29 September 2012, collected and determined by Roman Türk (51148).

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#### 403. *Belonia incarnata* Th.Fr. & Graewe ex Th.Fr.

**AUSTRIA**, Kärnten (=Carinthia), Steirisches Randgebirge, Koralpe, 9 km NE of the centre of St Paul im Lavanttal, Kleinalpl, gently inclined slopes NE of the hunting lodge Brandl, 46°43'55"N, 014°58'45"E, 1500 m above sea level, (grid number 9255/4), W-exposed slope of a forestry road, on soil, 9 September 2007, collected by Josef Hafellner (72646) & Lucia Muggia, determined by Josef Hafellner.

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#### 404. *Calicium trabinellum* (Ach.) Ach.

**AUSTRIA**, Salzburg, Pinzgau region (=Zell am See District), Zillertaler Alpen, 5.2 km SSW of Gerlospass, Wildgerlostal, Anken-Alm, 47°11'50"N, 012°05'48"E, 1923 m above sea level, (grid number 8838/2), on wood of *Pinus cembra*, 27 July 2008, collected by Roman Türk (43776a) & Heidelinde Sofie Pfleger, determined by Roman Türk, determination confirmed by Leif Tibell (December 2012).

Note: Part of the hymenia of *Calicium trabinellum* is infected by *Asterophoma mazaediicola* (determined by Josef Hafellner 2012). Associated species: *Chaenothecopsis* sp., *Parmeliopsis ambigua*, *Imshaugia aleurites*.

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### 405. **Candelariella subdeflexa** (Nyl.) Lettau

**RUSSIA**, Orenburg Oblast, Buzuluk district, National Park 'Buzulukskiy bor', village Partizanskiy, bank of the river Borovka, 52°59'54"N, 052°07'42"E, 80 m above sea level, on bark of *Salix*, 23 May 2009, collected and determined by Jan Vondrák (7428) & Alexander Khodosovtsev.

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### 406. **Cetraria sepincola** (Ehrh.) Ach.

**AUSTRIA**, Kärnten (=Carinthia), Saualpe, 11.7 km SW of Bad St.Leonhard, 3.6 km SSW of Klippitztörl, 750 m NNE of the summit of Forstalpe, 46°54'15"N, 014°39'56"E, 1910 m above sea level, (grid number 9053/4), windblown ridge area (Exposed) with some crippled grown *Larix decidua* (1 m tall), on living and dead twigs of *Larix decidua*, 8 September 2012, collected and determined by Walter Obermayer (12497).

Note: Associated lichens and fungi: *Lachnellula willkommii*, *Cetraria islandica* (!), *Hypogymnia physodes*, *H. tubulosa*, *Lecanora pulicaris* s.l., *L. symmicta*, *Parmeliopsis ambigua*, *Pseudevernia furfuracea* var. *ceratea*, *P.f.* var. *furfuracea* (very few thalli), *Vulpicida pinastris*.

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### 407. **Cetraria sepincola** (Ehrh.) Ach.

**AUSTRIA**, Steiermark (=Styria), Steirisches Randgebirge, Koralpe, 15 km W of Deutschlandsberg, N above the saddle Weinebene, Handalpe (=Handalm), ridge between the summits of Handalm and Weberkogel, 46°50'55"N, 015°01'00"E, 1820 m above sea level, (grid number 9156/3), subalpine pasture with boulders of gneissic rocks and scattered shrubs of *Rhododendron ferrugineum*, on twigs of *Rhododendron ferrugineum*, 21 March 2012, collected and determined by Helmut Mayrhofer (19109).

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### 408. **Cladonia macroceras** (Delise) Hav.

**SLOVENIA**, Central Eastern Alps, Styrian Prealps, Kobansko, mountain top ("Jantschkifels") 7.6 km NE above Dravograd (=Unterdrauburg), W above the chapel Sv.Urban, uppermost slopes exposed to S just below the summit, close to the border to Austria, 46°39'08"N, 015°03'49"E, 1360 m above sea level, (grid number 9356/1), scattered boulders of garnet schist on clearings in a spruce forest, on soil (amongst *Vaccinium myrtillus*), 20 July 2008, collected and determined by Josef Hafellner (71507).

Note: TLC: Fumarprotocetraric acid (specimen in GZU tested).

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**409. Cladonia uncialis (L.) Weber ex F.H.Wigg.**  
subspecies **biuncialis** (Hoffm.) M.Choisy

**AUSTRIA**, Steiermark (=Styria), Niedere Tauern, Seckauer Tauern, 20 km NW of the centre of Knittelfeld, Hochreichart, summit area, 47°21'49"N, 014°40'55"E, 2410 m above sea level, (grid number 8654/1), alpine boulder field, on mossy layers in shaded crevices (W-exposed), 28 August 2012, collected and determined by Walter Obermayer (12495).

Note: All issued specimens were separated from one big cushion. TLC: Usnic acid, squamatic acid, fatty acid (specimen in GZU tested); surface of central canal white powdery (UV+ white).

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**410. Gowardia nigricans (Ach.) Halonen et al.**  
(Syn.: *Alectoria nigricans* (Ach.) Nyl.)

**AUSTRIA**, Steiermark (=Styria), Niedere Tauern, Seckauer Tauern, 20 km NW of the centre of Knittelfeld, Hochreichart, summit area, 47°21'49"N, 014°40'55"E, 2410 m above sea level, (grid number 8654/1), alpine boulder field, on mossy layers in shaded crevices (W-exposed), 28 August 2012, collected and determined by Walter Obermayer (12476).

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**411. Normandina pulchella (Borrer) Nyl.**

**AUSTRIA**, Salzburg, Flachgau region (=Salzburg-Umgebung district), Schafberg massif, 6.2 km E of the centre of St. Gilgen am Wolfgangsee, 500 m E of the summit Spinnerin, near the small lake Mittersee, 47°46'26"N, 013°26'57"E, 1400 m above sea level, (grid number 8246/2), on N-exposed stem bark of *Acer pseudo-platanus* (partly on bryophytes), 28 May 2005, collected and determined by Roman Türk (37557).

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**412. Ochrolechia turneri (Sm.) Hasselrot**

**AUSTRIA**, Kärnten (=Carinthia), Gailtaler Alpen, E-facing slopes of Villacher Alpe, Warmbad Villach, Kadischen-Allee, 46°35'22"N, 013°49'37"E, 500 m above sea level, (grid number 9448/2), alley trees, on bark of *Aesculus hippocastanum*, 29 March 2010, collected and determined by Helmut Mayrhofer (18116).

Note: TLC: Variolaric acid (specimen in GZU tested).

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### 413. *Opegrapha rufescens* Pers.

**AUSTRIA**, Steiermark (=Styria), Steirisches Randgebirge, Gleinalpe, Sallagraben, 7 km NW of the centre of Köflach, 3 km ESE of Salla, road along the brook Sallabach, 47°06'17"N, 015°00'43"E, 690 m above sea level, (grid number 8856/3), on stem bark of *Alnus glutinosa*, 25 April 2012, collected by Toby Spribille (s.n.) [excursion together with Walter Obermayer], determined by Walter Obermayer.

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### 414. *Phaeophyscia hirtella* Essl.

**RUSSIA**, Southern Siberia, Republic of Buryatia (near the Mongolian boundary), Dzhida district, Dzhida Range, 15 km SW of Petropavlovka town, orographically right bank of the river Dzhida, 50°30'39.2"N, 105°10'34.2"E, 680 m above sea level, deciduous forest, on bark of *Ulmus pumila*, 24 August 2007, collected and determined by Gennadii Urbanavichus (s.n.).

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### 415. *Phaeophyscia kairamoi* (Vain.) Moberg

**RUSSIA**, Southern Siberia, Republic of Buryatia (near the Mongolian boundary), Dzhida district, Dzhida Range, SE of Petropavlovka town, 50°27'58.0"N, 105°09'39.7"E, 960 m above sea level, deciduous forest on northern slope, on bark of *Salix*, 24 August 2007, collected and determined by Gennadii Urbanavichus & Ira Urbanavichene (s.n.).

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### 416. *Schismatomma pericleum* (Ach.) Branth & Rostr.

**AUSTRIA**, Kärnten (=Carinthia), Karnische Alpen, 7.2 km SSW of the railway station of Kötschach-Mauthen, 3.5 km E of the pass area of 'Plöckenpass', valley of the rivulet 'Angerbach', forestry road to 'Untere Tschintenmuntalm', 46°36'30-35"N, 012°59'10-20"E, 1360–1400 m above sea level, (grid number 9343/4), mixed forest with *Fagus sylvatica*, *Picea abies*, and *Abies alba*, on stem bark of very old *Picea abies* (SW-exposed), 31 August 2007, collected by Walter Obermayer (12332), Helmut Mayrhofer and Regine Stordeur, determined by Walter Obermayer (2012).

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### 417. *Solorina spongiosa* (Ach.) Anzi

**AUSTRIA**, Steiermark (=Styria), Niedere Tauern, Wölzer Tauern, mountains 4 km W of Pusterwald, ridge area between Sonneck and Kühnbrein, 47°18'25"N, 014°18'15"E, 1860 m above sea level, (grid number 8651/4), SE-exposed marble outcrops (in an open forest with *Picea abies* and *Pinus cembra*), on soil (slope of a forestry road), 3 August 2012, collected by Josef Hafellner (73218) & Lucia Muggia, determined by Josef Hafellner.

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### 418. *Trapeliopsis granulosa* (Hoffm.) Lumbsch

**AUSTRIA**, Kärnten (=Carinthia), Hohe Tauern, Reißeck Group (=southern part of Ankogel Group), valley of the brook Kaponig-Bach, 500 m E of Bodenhütte, 46°57'53"N, 013°15'53"E, 1680–1730 m above sea level, (grid number 9045/2), on decayed wood of *Larix decidua*, 9 November 2011, collected and determined by Roman Türk (50172).

Note: TLC: Gyrophoric acid, traces of lecanoric acid and unknown substances (specimen in GZU tested).

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### 419. *Umbilicaria hirsuta* (Sw. ex Westr.) Hoffm.

**AUSTRIA**, Kärnten (=Carinthia), Saualpe, 12.3 km SW of Bad St. Leonhard, 4.3 km SSW of Klippitztörl, summit area of Forstalpe, 46°53'95"N, 014°39'42"E, 2015 m above sea level, (grid number 9153/2), alpine meadows with big boulders ('Öfen'), on vertical (E-exposed) faces of siliceous rocks, 8 September 2012, collected and determined by Walter Obermayer (12517).

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### 420. *Usnea densirostra* Taylor

**URUGUAY**, Montevideo Department, Punta Espinillo, shore of Rio de la Plata, 34°50'S, 056°23'W, 1-5 m above sea level, aerohaline zone, on rocks (along a small slope), 22 April 2009, collected and determined by Hector S. Osorio (9730).

Note: TLC: Usnic acid, norstictic acid, salazinic acid, traces of protocetraric acid, unknowns (specimen in GZU tested [apothecia included]).