

Lichenotheca Graecensis, Fasc. 17 (Nos 321–340)

Walter OBERMAYER*

OBERMAYER W. 2009: Lichenotheca Graecensis, Fasc. 17 (Nos 321–340). - Fritschiana (Graz) 65: 1–6. - ISSN 1024-0306.

Abstract: Fascicle 17 of Lichenotheca Graecensis comprises 20 collections of lichens from the following countries (and administrative subdivisions): Austria (Carinthia; Tyrol; Styria; Upper Austria), Germany (Bavaria), Kazakhstan (Akmola Province), Russia (Buryatia Republic; Tuva Republic), Spain (Canary Islands), and U.S.A. (Alaska; Minnesota). Fertile material of *Aspicilia fruticulosa* (Kazakhstan), *Cetraria islandica* (Austria), *Dactylina arctica* (Alaska), and *Phaeophyscia pusilloides* (Austria) as well as paratype specimens of *Lepraria granulata* (Austria) are included. TLC-analyses were carried out for *Lepraria granulata*, *Ramalina fraxinea*, and *Rinodina beccariana*.

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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, Dr. 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-17.pdf>. Label texts originally drafted in a local language have been translated into English by the author.

I wish to thank all lichenologists who have made their lichen material available, particularly Franz BERGER, Josef HAFELLNER, Josef HALDA (& Zdenek PALICE), Toby SPRIBILLE, Roman TÜRK, Gennadi URBANAVICHUS (& Ira URBANAVICHENE), Viktoria WAGNER, and Clifford WETMORE. Several specimens have been kindly determined by Helmut MAYRHOFER, Stepanka SLAVÍKOVÁ-BAYEROVÁ, and Mohamad SOHRABI.

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321. *Aspicilia fruticulosa* (Eversm.) Flagey

KAZAKHSTAN, Akmolinskaya Oblast (=Akmola Province), 20 km SE of the Tengiz Lake, banks of the river Kulanotpes, 4 km NNW of the town Kulanutpes, 50°11'34"N, 69°30'11"E, 340 m alt., S-exposed hill on river bank, on sandy to loamy soil in steppe.

Note: Almost all issued specimens with (at least young) apothecia.

16.VII.2007

leg. Viktoria Wagner (L-0070), det. Mohamad Sohrabi (I.2009)

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322. **Biatora turgidula** (Fr.) Nyl.

AUSTRIA, Oberösterreich (=Upper Austria), Kalkalpen National Park, Reichraminger Hintergebirge, Langmoos, SE-facing slopes of 'Großer Größtenberg', 47°45'45"N, 014°26'27"E, 1190 m alt., on rotten wood of *Picea abies*.

14.VIII.2007

leg. & det. Roman Türk (44788) & Wolfgang Mayer

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323. **Cetraria islandica** (L.) Ach.

[all specimens with apothecia]

AUSTRIA, Steiermark (=Styria), Steirisches Randgebirge, Koralpe, 17.5 km W of the centre of Deutschlandsberg, 3.7 km SW of Weinebene (parking area), 200 m SE of 'Grillitschhütte', 46°48'55"N, 014°59'10"E, GF 9155/4, 1750 m alt., alpine meadow, on ground.

Note: The richly fruiting material has been pictured in Obermayer W. 2008: Fotografische Dokumentation einer ungewöhnlich reich fruchtenden Aufsammlung von *Cetraria islandica* (L.) Ach. (mit einem historischen Abriss zur Darstellung fertiler Thalli, Anmerkungen zur Gestalt der Pycnosporen und einigen Notizen zum Gebrauch des ‚Kramperltees‘). - Mitteilungen des Naturwissenschaftlichen Vereines für Steiermark 138: 113-158.

05.VII.2008

leg. Walter Obermayer (11524), Fabian & Stefanie Obermayer,
det. Walter Obermayer

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324. **Cladonia bellidiflora** (Ach.) Schaerer

AUSTRIA, Steiermark (=Styria), Steirisches Randgebirge, Koralpe, 18 km W of Deutschlandsberg, 700 m NE below the summit 'Kleiner Speikkogel', just SW of the lake Speiksee, 46°47'10"N, 014°59'15"E, GF 9255/2, 1800 m alt., mica slate outcrops with shrubbery (*Alnus alnobetula* and *Rhododendron ferrugineum*), on inclined faces of rocks covered with duff.

25.V.2008

leg. & det. Josef Hafellner (72720)

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325. **Cyphelium inquinans** (Sm.) Trevis.

AUSTRIA, Kärnten (=Carinthia), Steirisches Randgebirge, Koralpe, 10.3 km ESE of the centre of Wolfsberg, uppermost part of the valley 'Rassingbach Graben', SW above 'Pomseben' (near Pomswasserfall), 1.5 km E of the lodge Hipfelhütte, 46°48'25"N, 014°57'55"E, GF 9155/4, 1640 m alt., subalpine primeval spruce forest (NE-exposed slopes), on bark of *Picea abies*.

8.V.2002

leg. Josef Hafellner (71857), Barbara Emmerer & Harald Komposch,
det. Josef Hafellner

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326. Dactylina arctica (Hook. f.) Nyl.

[all specimens with apothecia !]

U.S.A., Alaska, NE of Fairbanks, Steese Highway at Twelvemile Summit, north of the road, near rock outcrops, Twelvemile Summit, 65°24'35"N, 145°58'48"W, 1109 m alt., moist alpine tundra, on ground.

2.IX.2008

leg. Toby Spribille (s.n.) [with Celia Miller, Christian Printzen, Jasmin Seifried], det. Toby Spribille

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327. Dermatocarpon rivulorum (Arnold) Dalla Torre & Sarnth.

RUSSIA, Southern Siberia, Tuva Republic (near Buryatia boundary), East Sayan Range, about 200 m W of Pyatiozernyi Pass, 52°31'45.8"N, 098°48'57.5"E, 2300 m alt., lichen tundra with small streams, on pebbles (abundant).

11.VIII.2007

leg. & det. Gennadi Urbanavichus (s.n.)

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328. Elixia flexella (Ach.) Lumbsch

AUSTRIA, Kärnten (=Carinthia), Gurktaler Alpen, Nockberge, 2 km S of the saddle 'Tur-racher Höhe', 46°54'15"N, 013°52'46"E, GF 9049/3, 1700 m alt., Pinus-cembra-forest, along a roadside, on wood of a *Larix decidua* stump.

29.VIII.2008

leg. Josef Halda, Stenek Palice (12407) & Jana Steinová,
det. Zdenek Palice

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329. Icmadophila ericetorum (L.) Zahlbr.

AUSTRIA, Steiermark (=Styria), Steirisches Randgebirge, 7.9 km ESE of Obdach, Ameringkogel massif, S-facing slopes and ridges of Weißenstein, E of the lodge Weißensteinhütte, shortly N of Melcheben, 47°03'25"N, 014°48'00"E, GF 8954/2, 1800 m alt., subalpine forest area with *Picea abies* and *Larix decidua*, on decayed logs.

3.IX.2005

leg. & det. Josef Hafellner (65579)

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330. Lepraria granulata Slvavíková-Bayerová
- paratype -

AUSTRIA, Steiermark (=Styria), Steirisches Randgebirge, Stubalpe, SE-facing slopes of Speikkogel, 17 km W of Köflach, 2 km SW of Salzstiegelhaus, 47°03'16"N, 14°51'16"E, GF 8955/1, 1855 m alt., siliceous outcrops in alpine pasture, on *Grimmia sessitana* [det. Heribert Köckinger] (in fissures of low rocks).

Note: TLC of *Lepraria granulata*: Atranorin (maj.), two unknown fatty acids (running close to rangiformic and norrangiformic acids); lichen spot test: C-. Each specimen consists of several single thalli (covering *Grimmia sessitana*) which are fixed with glue. At least 3 thalli of each specimen have been analyzed by TLC. - Some specimens (e.g. in GZU) show intermixed *Lepraria neglecta* (TLC : alectorialic syndrom acid (maj.), angardianic acid (min./tr.); lichen spot test: C+red). Two specimens (one in GZU) are parasitized by the lichenicolous fungus *Pyrenidium actinellum* (on *Lepraria granulata*).

5.VIII.2006 leg. Walter Obermayer (11201), det. Stepanka Slavíková-Bayerová (2007)

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331. Lobaria quercizans Michx.

U.S.A., Minnesota, Lake County, Superior National Forest, east of Hare Lake, 14.5 km west of Tofte, 47°36'04"N, 91°02'11"W, 546 m alt., mature sugar maple stand with some old yellow birch (*Betula alleghaniensis*), on sugar maple (*Acer saccharum*).

Note: Already issued (sub no. 92) by Wetmore, C.M. 2000: Schedae Lichenes Exsiccati, distributed by the University of Minnesota. - Department of Plant Biology and Bell Museum of Natural History.

28.VII.1999 leg. & det. Clifford M. Wetmore (83137)

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332. Melanelixia albertana (Ahti) O.Blanco & al.
[Syn.: *Melanelia albertana*]

RUSSIA, Southern Siberia, Buryatia Republic, Oka district, East Sayan Range, valley of the Sentsa river, 52°36'55.2"N, 099°22'16.9"E, 1410 m alt., larch forest, on bark of *Salix*.

8.VIII.2007 leg. & det. Gennadi Urbanavichus & Ira Urbanavichene (s.n.)

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333. *Micarea lignaria* (Ach.) Hedl.
var. ***endoleuca*** (Leight.) Coppins

GERMANY, Bayern (=Bavaria), Allgäu, Ammergauer Alpen (Ammergebirge), 11 km ENE of Füssen, 3.3 km SE of Buching, 1 km S of the confluence of the rivulets Halblech and Lobentalbach, 47°35'50"N, 10°50'30"E, 950-1000 m alt., mixed forest with *Abies alba*, *Acer pseudoplatanus*, *Picea abies*, and *Fagus sylvatica*, on bark of *Picea abies* (partly covered with bryophytes).

Note: Thallus Pd-, KC+ slowly (but persistently) orange.

6.IX.2004

leg. & det. Walter Obermayer (11795)

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334. *Nephromopsis laureri* (Kremp.) Kurokawa
[Syn.: *Cetraria laureri*, *Tuckneraria l.*]

RUSSIA, Southern Siberia, Buryatia Republic, Oka district, East Sayan Range, valley of the Sentsa river, 52°35'41.9"N, 099°02'26.6"E, 1530 m alt., larch forest, on bark of *Larix sibirica*.

9.VIII.2007

leg. & det. Gennadi Urbanavichus & Ira Urbanavichene (s.n.)

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335. *Phaeophyscia pusilloides* (Zahlbr.) Essl.

AUSTRIA, Tirol, Osttirol, 34 km NW of Lienz, Defereggen valley, in the village 'St.Jakob in Defereggen', near the inn 'Unterrein', 46°55'05"N, 012°19'55"E, GF 9039/4, 1400 m alt., roadside trees in meadows, on stem bark of *Acer pseudoplatanus*.

Note: All specimens with apothecia.

18.IX.2004

leg. & det. Roman Türk (35163)

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336. *Ramalina fraxinea* (L.) Ach.

AUSTRIA, Steiermark (=Styria), Dachsteingruppe, 4.4 km NNW of Schladming, Ramsau, 0.5 km N of the church of Ramsau-Ort, 47°25'40"N, 013°39'00"E, GF 8547/4, 1180 m alt., roadside trees in meadows, on bark of *Acer pseudoplatanus* (NW-exposed sides).

Note: TLC: Usnic acid (tr.; only in apothecia in higher concentration), unknown fatty acid (5-6/3-4/5), unknown terpenoid (6/7-8/6-7).

19.II.2007

leg. & det. Walter Obermayer (11321)

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337. *Rhizocarpon lecanorinum* Anders

AUSTRIA, Oberösterreich (=Upper Austria), Schärding district, 14.5 km ESE of Schärding, 1.7 km WNW of Kopfing, Beharding 3, 48°26'35"N, 013°38'10"E, GF 7547/4, 540 m alt., barn with tiled roof, on roof tiles (S-exposed).

Note: The locality does not exist anymore because the barn has already broken down.

16.VII.2007

leg. & det. Franz Berger (s.n.)

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338. *Rinodina beccariana* Bagl.

Canary Islands [SPAIN], La Gomera, Cañada Grande SW above Agulo, western ridge, 28°10'20"N, 017°12'W, 750 m alt., basaltic outcrops, on rocks near the ground (partly with a thin layer of soil).

Note: TLC (by Toby Spribille): Atranorin, zeorin, 2 unknowns (tr.).

16.II.1991

leg. Josef Hafellner (73150), det. Helmut Mayrhofer (2009)

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339. *Umbilicaria vellea* (L.) Hoffm.

AUSTRIA, Kärnten (=Carinthia), Steirisches Randgebirge, Koralpe, 13 km E of Wolfsberg, W-facing slopes of a ridge between the summits Weberkogel and Handalm, 46°50'55"N, 015°00'45"E, GF 9156/3, 1740 m alt., mica slate outcrops (at current timberline), on overhanging rock faces.

31.VIII.2008

leg. & det. Josef Hafellner (71660)

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340. *Vulpicida tilesii* (Ach.) J.-E.Mattsson & M.J.Lai

RUSSIA, Southern Siberia, Buryatia Republic (near Tuva boundary), Oka district, East Sayan Range, Pyatiozernyi Pass, 52°31'45.8"N, 098°48'57.5"E, 2400 m alt., lichen tundra, on soil.

11.VIII.2007

leg. & det. Gennadi Urbanavichus (s.n.)