

Lichenotheca Graecensis, Fasc. 15 (Nos 281–300)

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OBERMAYER W. 2006: Lichenotheca Graecensis, Fasc. 15 (Nos 281–300). - Fritschiana (Graz) 52: 1–6. - ISSN 1024-0306.

Abstract: Fascicle 15 of Lichenotheca Graecensis comprises 20 collections of lichens from the following countries (and administrative subdivisions): Austria (Carinthia; Salzburg; Tirol; Styria; Upper Austria), China (Tibet, prov. Xizang), Germany (Bavaria), Italy (Calabria), Mexico (Baja California Sur), Russia (Murmansk Region) Slovenia, and Uruguay (Montevideo). Fertile material of *Cetraria islandica* (Austria) and sorediate specimens of *Flavocetraria nivalis* (Russia) are included. TLC-analyses were carried out for the sorediate-isidiate *Lobaria 'parapulmonaria'* ined. (Tibet), obviously a close relative of *L. pulmonaria* but containing cyanobacteria as the major photobiont. The former species is issued as a result of the 'Sino-German Joint Expedition to Southeastern and Eastern Tibet 1994'.

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The exsiccata series 'Lichenotheca Graecensis' is distributed on exchange basis to the following 20 herbaria and private collections (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, TNS, UPS, Dr. Klaus Kalb, Dr. Antonin Vězda. Abbreviations of authors of plant names are taken from http://www.huh.harvard.edu/databases/cms/botanist_index.html. Names of countries and states (or provinces or principal subdivisions) are based upon a list from <http://www.ars-grin.gov/cgi-bin/npgs/html/geolist.pl>. A text version of 'Lichenotheca Graecensis' can be found under <http://www.uni-graz.at/walter.obermayer/li-grz1.htm>. Label texts originally drafted in a local language have been translated into English by the author.

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281. *Acrocordia gemmata* (Ach.) A.Massal.

AUSTRIA, Steiermark (= Styria), Weststeirisches Hügelland, surrounding area of Jöbß, 5 km S of Wildon, at the castle 'Schloß Eybesfeld', 46°50'45"N / 015°31'00"E, MTB 9159/3, 300 m alt., scruffy park, on bark of *Fraxinus excelsior*.

15.VI.2003

leg. & det. J. Hafellner (60731)

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282. *Bacidia rubella* (Hoffm.) A.Massal.

AUSTRIA, Oberösterreich (= Upper Austria), 2.6 km NW of Alkoven, valley of the rivulet 'Innbach', Aham, 48°18'06"N / 014°04'46"E, MTB 7650, 260 m alt., on *Malus domestica*.

2.XI.1998

leg. & det. R. Türk (26292) & E. Schininger

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283. *Buellia lauricassiae* (Fée) Müll.Arg.

MEXICO, Baja California Sur, coastal plain just NE of Puerto Cancún, about 0.5 km behind the coast, 24°33'N / 111°45'W, 5 m alt., desert scrub, on spines of *Machaerocereus gummosus*.

Note: The species belongs to the *Buellia disciformis* (*Hafellia d.*) group representing an additional evolutionary lineage towards muriform ascospores in *Buellia* coll. (annot. J. Hafellner).

18.II.1993

leg. & det. J. Hafellner (64096)

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284. *Calicium glaucellum* Ach.

SLOVENIA, Paški Kozjak, NE of Velenje, near the church "St.Jošt", 46°23'N / 015° 11'E, 1070 m alt., on *Pyrus communis*.

Note: Specimen in GZU with intermixed *Calicium salicinum*.

02.VII.2002

leg. & det. H. Mayrhofer (15958)

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285. *Candelariella kuusamoensis* Räsänen

ITALY, Calabria, Reggio di Calabria, Aspromonte, Pietra Impiccata, 1680 m alt., on bark of a deciduous tree.

20.VI.1989 leg. D. Puntillo (s.n.) (), det. W. Obermayer (2004)

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

[all issued specimens with apothecia !]

AUSTRIA, Steiermark (= Styria), Steirisches Randgebirge, Stubalpe, Steinplan 8 km SE of Knittelfeld, summit area just N below the cross on the summit, 47°09'50"N / 014°54'15"E, MTB 8855/1, 1660 m alt., clearances in subalpine *Picea abies* forest with low outcrops of mica slate, on thick cover of bryophytes on the upper edges of the rocks.

30.VII.2005 leg. & det. J. Hafellner (64684)

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287. *Chaenotheca stemonea* (Ach.) Müll.Arg.

AUSTRIA, Steiermark (= Styria), Steirisches Randgebirge, Stubalpe, 6 km SW of Köflach, Teigitschgraben 1.3 km WSW of Edelschrott, orographically left bank of the river Teigitsch, 47°01'05"N / 015°02'10"E, MTB 8956/3, 760 m alt., basal area of S-exposed steep cliffs of mica slate (in *Picea abies* forest), on snag of *Picea abies*.

11.IX.2005 leg. & det. J. Hafellner (64689)

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288. *Cladonia parasitica* (Hoffm.) Hoffm.

AUSTRIA, Salzburg, Flachgau, path along the lake Wallersee, E of the swamp 'Wenger Moor', 47°55'50"N / 013°12'E, MTB 8045, 510 m alt., on stump of *Quercus robur*.

20.XII.1998 leg. & det. R. Türk (26522)

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289. *Cystocoleus ebeneus* (Dillwyn) Twaits

AUSTRIA, Steiermark (= Styria), Steirisches Randgebirge, Stubalpe, low highlands about 6 km SSW of Köflach, 1 km SE of Edelschrott, Jurikogel, western ridge just below the summit, 47°00'50"N / 015°03'30"E, MTB 8956/3, 850 m alt., forest with *Picea abies* and *Pinus sylvestris* (with outcrops of mica slate), on N-exposed, overhanging faces of rocks (entirely shaded).

11.IX.2005 leg. & det. J. Hafellner (64638)

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290. *Flavocetraria nivalis* (L.) Kärnefelt

[sorediate form !]

RUSSIA, Murmansk Oblast, Khibiny Mountains, Paachiok River valley between Takhtarvumchorr Mountain and Pachvumchorr range, 68°00'N / 033°10'E, 500 m alt., mountain tundra, on soil.

Note: All specimens with well developed soralia. Specimen in GZU with apothecia.

8.VIII.1997 leg. & det. M. Zhurbenko (9770)

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291. *Imshaugia aleurites* (Ach.) S.L.F.Meyer

AUSTRIA, Oberösterreich (= Upper Austria), Dachstein-Gruppe, 4.2 km SSW of Hallstatt, path between the refuges Tiergartenhütte and Wiesberghaus, 47°31'49"N / 013°36'58"E, MTB 8447/4, 1580 m alt., on decayed bark of *Larix decidua* (inclined stem).

Note: Specimen kept in the herbarium of the collector with apothecia.

11.VIII.2005 leg. & det. R. Türk (37881)

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292. *Lecanora sambuci* (Pers.) Nyl.

GERMANY, Bayern (= Bavaria), Berchtesgadener Land, Bischofswiesen, between Götschenalm and Kollerlehen, 47°38'55"N / 012°56'15"E, 850 m alt., on bark of *Acer pseudoplatanus*.

11.VI.1992 leg. & det. R. Türk (26356) & H. Wunder

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293. *Lobaria 'parapulmonaria'* ined.

CHINA, Tibet, prov. Xizang, Nyanqentanglha Shan, 360 km E of Lhasa near the bend of the river Tsangpo, N-side of Gyala Peri, 10 km S of Dongjug village, 29°54'N/094°52'E, 3700 m alt., W-side of the glacier, near a mountain pasture hut, on *Abies*, bryophytes and ground.

Note: TLC (all specimens investigated): Retigeranic acid A (maj.), stictic acid (maj.), constictic acid (maj.), norstictic acid (min.), terpenoid (maj., 5-6/5/5-6, always slightly above zeorin, probably retigeranic acid B). Retigeranic acid A + B not detected. The stictic acid complex is missing in one sample. The present taxon strongly resembles *Lobaria pulmonaria* in shape of thallus and in shape and development of young soralia. *L. 'parapulmonaria'* differs in the brown colour of the thallus (due to cyanobacteria), the slightly dorsiventrally flattened isidia-like structures (cylindrical in European material of *L. pulmonaria*), and the occurrence of two terpenoids (retigeranic acid A and ?retigeranic acid B) in rather high concentration. The taxon can be regarded as a close relative of *L. pulmonaria* but containing cyanobacteria as the major photobiont.

20.VIII.1994 leg. & det. W. Obermayer (10581)

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294. *Micarea melaena* (Nyl.) Hedl.

AUSTRIA, Oberösterreich (= Upper Austria), Dachstein-Gruppe, 4.2 km SSW of Hallstatt, path between the refuges Tiergartenhütte and Wiesberghaus, 47°31'47"N/013°37'10"E, MTB 8447/4, 1600 m alt., on bark of *Larix decidua*.

11.VIII.2005 leg. & det. R. Türk (37876)

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295. *Normandina acroglypta* (Norman) Aptroot

AUSTRIA, Salzburg, Nördliche Kalkalpen, Hagengebirge, Bluntauental W of Golling, 1 km SW of the Bluntauermühle, 47°34'35"N/013°08'25"E, MTB 8444/2, 490 m alt., mixed forest (rich in *Picea abies*) near brookside, on *Salix*.

Note: Original sample in GZU with ascomata.

1.IX.1996 leg. & det. J. Hafellner (47308)

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296. *Rinodina glauca* Ropin

AUSTRIA, Kärnten (= Carinthia), Hohe Tauern National Park, 4 km SE of Heiligenblut, orographically right bank of the river Möll, W of Aichhorn, 47°00'40"N/012°52'05"E, MTB 8943/3, 1100 m alt., *Alnus incana* riverine forest, on *Salix* spec.

21.XI.1987 leg. M. Walther & J. Hafellner (17919), det. H. Mayrhofer (2005)

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297. *Squamarina cartilaginea* (With.) P.James

ITALY, Calabria, prov. Cosenza, Campotenese, below Il Fortino, 39°53'05"/016°03'45", 1050 m alt., S-exposed dry grassland over limestone, on soil.

3.VI.1979 leg. & det. J. Hafellner (41502)

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298. *Stereocaulon alpinum* Laurer

AUSTRIA, Tirol, Zillertaler Alpen, 200 m S of Berliner Hütte, front end of the glacier 'Hornkees', 47°01'26"N/011°48'54"E, MTB 8936, 2030 m alt., on sandy soil of a moraine.

19.VII.2002 leg. & det. R. Türk (32462)

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299. *Usnea amblyoclada* (Müll.Arg.) Zahlbr.

URUGUAY, Montevideo, Rio de la Plata, Isla de Flores, central part of the island, 34°56'S/055°55'W, aerohaline zone, on rocky outcrops.

Note: Observed only at this collection site, but with a luxurious growth. Duplicates already have been issued in 'Dupla Graecensia Lichenum 2002', no. 195.

31.X.2000 leg. & det. H.S. Osorio (9402b)

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300. *Xanthoria candelaria* (L.) Th.Fr.

AUSTRIA, Salzburg, Niedere Tauern, Schladminger Tauern, 25 km NW of Murau, 12 km W of Krakaudorf, Prebersee, 47°11'05"N/013°51'30"E, MTB 8849/1, 1515 m alt., southeastern area of the lakeshore, on twigs of *Picea abies*.

Note: Many specimens with apothecia. All specimens intermixed with *Melanohalea exasperatula*.

17.VIII.2005 leg. & det. W. Obermayer (10895)