

Lichenotheca Graecensis, Fasc. 12 & 13 (Nos 221–260)

Walter OBERMAYER*

OBERMAYER W. 2003: Lichenotheca Graecensis, Fasc. 12 & 13 (Nos 221–260). - Fritschiana (Graz) 43: 1–12. – ISSN 1024-0306.

Abstract: Fascicles 12 & 13 of Lichenotheca Graecensis comprise 40 collections of lichens from the following countries (and administrative subdivisions): Austria (Carinthia; Lower Austria; Salzburg; Styria), Croatia (Rab Island), Germany (Bavaria), Greece (Kos Island), Italia (Trentino-Alto Adige), Portugal (Madeira), Russia (Buryatia; Krasnoyarsk; Tatarstan), Spain (Canary Islands), Uruguay (Florida; Rocha), and United States of America (Alaska). TLC-analyses were carried out for *Chrysothrix candelaris*, *Ch. chlorina*, *Cladonia arbuscula* ssp. *squarrosa*, *C. gracilis*, and *Lepraria lobificans*.

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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://www.nybg.org/bsci/ih/searchih.html>): ASU, B, C, CANB, CANL, E, G, GZU, H, HAL, HMAS, LE, M, MAF, MIN, O, TNS, UPS, Dr. Klaus Kalb, Dr. Antonin Vězda. Please note that, due to the recent transfer of all lichen material in ESS to HAL, future fascicles will be sent to HAL. 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-ang.kfunigraz.ac.at/~oberma/li-grz1.htm>. Label texts originally drafted in a local language have been translated into English by the author.

I wish to thank all persons who have made their lichen material available, particularly Helmut Mayrhofer, Josef Hafellner, Hector S. Osorio, Harrie Sipman, Roman Türk, Gennadii P. Urbanavichus, and Mikhail Zhurbenko. Peter Kosnik kindly assisted with TLC investigations.

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221. *Alectoria sarmentosa* (Ach.) Ach.

PORTUGAL, Madeira, Pico Areeiro, striking rock-rib at a depression SW below the summit, 32°44'N / 16°55'30"W, 1700 m alt., volcanic rocks, on small *Erica*-shrubs in rock crevices.

16.II.1990

leg. J. Hafellner (61040) & A. Hafellner, det. J. Hafellner

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222. *Anaptychia crinalis* (Schleich.) Vezda

ITALIA, Trentino-Alto Adige, prov. Bolzano (=Südtirol), Val di Landro (=Höhlenstein Tal), Lago di Dobbiaco (=Toblacher See) ca. 2 km S of Dobbiaco (=Toblach), at the eastern lakeshore, 46°42'10"N / 12°13'20"E, 1260 m alt., mixed coniferous forest, on *Picea abies*.

Note: All specimen with apothecia.

30.VIII.2002

leg. & det. W. Obermayer (10170)

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223. *Bactrospora patellarioides* (Nyl.) Almq.

GREECE, Dodecanese Islands (Nomos Dodekanisou), Kos Island, Kefalos peninsula, 4 km S of Kefalos near road to Agios Theologos (Sunset beach), 36°43.3'N / 26°56.3'E, 100 m alt., abandoned fields with scattered low trees of *Juniperus oxycedrus* ssp. *macrocarpa* in fields and *Phrygana* dwarfshrub vegetation, on *Juniperus*.

23.IX.2000

leg. H. Sipman (47107) & Th. Raus, det. H. Sipman

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224. *Caloplaca xanthostigmoidea* (Räsänen) Zahlbr.

RUSSIA, Krasnoyarsk Territory, Taimyr Peninsula, Byrranga Mts, near northern extremity of Levinson-Lessing Lake and mouth of Krasnaya River, 74°34'N / 98°47'E, 250 m alt., limestone hills, on mosses above limestone-rocks (rather common and abundant).

20.VIII.1995

leg. & det. M. Zhurbenko (95155)

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225. *Catinaria atropurpurea* (Schaer.) Vezda & Poelt

CROATIA, Primorje Gorski Kotar, Rab Island, Macolici, Komporska Draga, 44°47'N / 14°42'E, 100 m alt., on *Quercus pubescens*.

5.V.1999

leg. & det. R. Türk (29999) & B. Antesberger

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226. *Cetraria kamczatica* Savicz

UNITED STATES OF AMERICA, Alaska, NW-Alaska, Seward Peninsula, 7 km NE of Nome, Newton Pk, 64°33'28"N / 165°21'46"W, 250 m alt., mesic dwarf shrub-moss-lichen tundra, on soil.

Note: Pro parte intermixed with *Cetraria laevigata*.

5.IX.2001

leg. & det. M. Zhurbenko (01190)

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227. *Chrysothrix candelaris* (L.) J.R.Laundon

[chemical race with calycin (major) and pinastric acid (minor)]

ITALIA, Trentino-Alto Adige, prov. Bolzano (=Südtirol): Val di Bráies (=Pragser Tal) S of Monguelfo (=Welsberg), ca. 0.5 km N of Lago di Bráies (=Pragser Wildsee), 46°42'20"N / 12°05'10"E, 1500 m alt., mixed coniferous forest, on bark of *Larix decidua* (SSE-exposed, 0.5-2 m trunk height).

Note: TLC (all specimens tested): Calycin (maj.), pinastric acid (min.), unknown yellow pigment [1?/3-4/1?] (tr.).

4.IX.2002

leg. & det. W. Obermayer (10174)

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228. *Chrysothrix candelaris* (L.) J.R.Laundon

[chemical race with pinastric acid]

AUSTRIA, Steiermark (=Styria), Niedere Tauern, Schladminger Tauern, Obertal S of Schladming, valley of Giglachbach, on the path to Lackneralm, 47°18'50"N / 13°41'10"E, MTB 8648/3, 1100 m alt., *Picea abies* forest with *Alnus incana* (wet bottom of a slope), on stem bark of *Picea abies* (W-exposed).

Note: TLC: Pinastric acid, unknown 1 (5/5/(5)-6), unknown 2 (5/3-4/5-6).

25.VIII.2001

leg. & det. W. Obermayer (09417)

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229. *Chrysothrix chlorina* (Ach.) J.R.Laundon

AUSTRIA, Steiermark (=Styria), Niedere Tauern, Schladminger Tauern, Obertal S of Schladming, valley of the Giglachbach, footpath to the Lackneralm, 47°18'40"N / 13°40'40"E, MTB 8648/3, 1280 m alt., mica-slate outcrops and boulders (in a *Picea abies* forest), on overhanging rock (N-exposed).

Note: TLC: Vulpinic acid, calycin, atranorin (rarely, in traces), unknown 1 (4/3-4/5), unknown 2 ((4-5/5/5), fatty acid 5(-6)/(5-)-6/5-6 (rarely).

25.VIII.2001

leg. & det. W. Obermayer (09256)

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230. *Cladonia arbuscula* (Wallr.) Flot. em. Ruoss subsp. *squarrosa* (WALLR.) RUOSS

AUSTRIA, Steiermark (=Styria), Seetaler Alpen, 10,5 km W of Obdach, path from Großer Winterleitensee via Ochsenboden to Kreiskogel, 47°05'05"N / 14°33'35"E, MTB 8953/1, 1970 m alt., alpine meadows with boulders, on ground.

Note: TLC (all specimens tested): Usnic acid, fumarprotocetraric acid, protocetraric acid. All thalli were taken from one compact tuft.

16.V.2002

leg. & det. W. Obermayer (10139)

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231. *Cladonia gracilis* (L.) Willd.

AUSTRIA, Steiermark (=Styria), Seetaler Alpen, 10 km WNW of Obdach, road from Schmelz to Winterleitenhütte, 47°05'45"N / 14°34'40"E, MTB 8953/1, 1680 m alt., slopes of a forest road in a high montane *Picea-abies/Pinus-cembra* forest, on ground.

Note: TLC: Fumarprotocetraric acid, protocetraric acid.

28.V.2003

leg. & det. W. Obermayer (10183)

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232. *Concamerella fistulata* (Taylor) W.L.Culb. & C.F.Culb

URUGUAY, Rocha, Cerro de los Rochas, 34°09'15"S / 53°51'35"W, 100-120 m alt., N-facing slope, on rocks.

25.IV.2003

leg. & det. H.S. Osorio (9639) & G. Geymonat

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233. *Coniarthonia pyrrhula* (Nyl.) Grube

SPAIN, Islas Canarias, El Hierro, El Golfo, El Mocanal, 8.5 km SW above Frontera, 27°44'15"N / 18°02'20"W, 860 m alt., degraded laurel forest, on stembark of *Myrica faya*.

13.II.1995

leg. & det. J. Hafellner (61037)

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234. *Cyphelium notarisii* (Tul.) Blomb. & Forssell

RUSSIA, Republic Tatarstan, Zelenodolsk distr., Volzhsko-Kamskii Zapovednik, „Saraly“, Bolshoi island, vicinity kordon 'Nizhnii', Pine forest on a high bank of the River Volga, on lignum of *Pinus*.

Note: Mature spores mainly submuriform.

1.X.2002

leg. & det. G.P. Urbanavichus (11000)

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235. *Dactylina arctica* (Hook.) Nyl.

RUSSIA, Krasnoyarsk Territory, N of Central Siberia, Severnaya Zemlya Archipelago, N extremity of Bol'shevik Island, W coast of Mikoyan Bay, 200 m away from the bay coast, 79°18'N / 101°55'E, 10 m alt., moist to mesic silt-gravelly slope of coastal terrace with well developed porous microrelief of small knobs and *Papaver*-graminoid-lichen-bryophyte vegetation in micro-depression, on soil/bryophytes.

21.VII.1996

leg. & det. M. Zhurbenko (96262)

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236. *Erioderma mollissimum* (Samp.) Du Rietz

SPAIN, Islas Canarias, La Gomera, La Montañeta, E above El Cedro, ridge area SW of the summit, 28°07'30"N / 17°12'W, 1020 m alt., Erica scrub forest with coppice shoots of *Laurus*, on stem of *Laurus azorica*.

18.II.1991

leg. J. Hafellner (33860) & A. Hafellner, det. J. Hafellner

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237. *Flavocetraria nivalis* (L.) Kärnefelt

AUSTRIA, Steiermark (=Styria), Niedere Tauern, Schladminger Tauern, Rippetegg SW of Schladming, ridge-area between Rippetegg and Gasselhöhe (exactly W of Obersee), 47°20'35"N / 13°35'55", MTB 8647/4, 2060 m alt., wind-exposed ridge, on ground.

26.VIII.2001

leg. & det. W. Obermayer (10130)

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238. *Fuscopannaria praetermissa* (Nyl.) P.M.Jørg.

AUSTRIA, Kärnten (=Carinthia), Karawanken, Hochobir, 8 km WNW of Bad Eisenkappel, path from Eisenkappler Hütte to summit of Hochobir, 46°30'08"N / 14°29'47"E, MTB 9452/4, 1890 m alt., limestone outcrops and boulders (N-exposed slope), on earthy crevices.

08.VII.2003

leg. & det. W. Obermayer (10150)

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239. *Heterodermia boryi* (Fée) Hale

SPAIN, Islas Canarias, El Hierro, Mirador de Basco (Mirador de El Rincon) W above the village Sabinosa, 27°45'10"N / 18°07'W, 660 m alt., uppermost area of the NW-exposed steep rocks, on basaltic outcrops (near the ground).

5.II.1995

leg. & det. J. Hafellner (61046)

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240. *Lecania prasinoides* Elenkin

RUSSIA, Republic Tatarstan, Zelenodolsk distr., Volzhsko-Kamskii Zapovednik, 'Raifa', 55°56'N / 48°43'E, 90 m alt., Pine-birch forest, on trunk of *Sorbus* sp..

Note: The eightspored asci contain 0- to 1-septate spores (10-14 x 3-4 µm). The taxon is very close to (or even conspecific with) *Lecania cyrtellina* (Nyl.) Sandst..

6.X.2002

leg. & det. G.P. Urbanavichus (61000)

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241. *Lepraria lobificans* Nyl.

AUSTRIA, Steiermark (=Styria), Schladminger Tauern, KleinsölktaI, Stummeralm-graben, along a forest road, 47°19'35"N / 13°53'04"E, MTB 8649/3, 1250 m alt., SE-exposed *Fagus sylvatica* forest, on *Fagus sylvatica*.

Note: TLC (all specimens tested): Atranorin, zeorin, stictic acid, constictic acid, norstictic acid (tr.).

6.VII.2001

leg. H. Mayrhofer (14084) & M. Magnes, det. H. Mayrhofer

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242. *Leptogium lichenoides* (L.) Zahlbr.

AUSTRIA, Salzburg, Nördliche Kalkalpen, Hagengebirge, BluntauI W of Golling, 1 km SW of BluntauIühle, 47°34'40"N / 13°08'05"E, MTB 8444/2, 490 m alt., mixed forest (with many *Picea abies*) at a brookside, on bryophytes (over shadowed limestone boulders).

1.IX.1996

leg. & det. J. Hafellner (47274)

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243. *Leptogium lichenoides* (L.) Zahlbr.

GERMANY, Bayern (=Bavaria), Randersacker SE of Würzburg, Kartoffelstein, 49°45'00"N / 9°59'35"E, MTB 6225, 306 m alt., on bryophytes (over limestone; shadowed by a tree).

Note: Richly fruiting material.

2.XI.2002

leg. R. Türk (32892-2), O.L. & R. Lange & D. Zimmermann,
det. R. Türk (conf. A. Guttova)

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244. *Lethariella canariensis* (Ach.) Krog

PORTUGAL, Madeira, Pico Areeiro, striking rock-rib at a depression SW below the summit, 32°44'N / 16°55'30"W, 1700 m alt., volcanic rocks, on small *Erica*-shrubs in rock crevices.

16.II.1990

leg. J. Hafellner (61036) & A. Hafellner, det. J. Hafellner

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245. *Melanelia exasperatula* (Nyl.) Essl.

AUSTRIA, Steiermark (=Styria), Niedere Tauern, Schladminger Tauern, surrounding area of Riesachsees SE of Schladming, road from Obere Gfölleralm to Wieseralm, on the north bank of the Riesachsee, 47°19'50"N / 13°46'35"E, MTB 8648/4, 1340 m alt., *Picea-abies/Larix-decidua* forest (over siliceous bedrock), on small twigs of *Picea abies*.

28.VIII.2001

leg. & det. W. Obermayer (09311) & I. Kärnefelt

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246. *Nephroma parile* (Ach.) Ach.

ITALIA, Trentino-Alto Adige, prov. Bolzano (=Südtirol): Val di Bráies (=Pragser Tal) S of Monguelfo (=Welsberg), ca. 0,5 km N of Lago di Bráies (=Pragser Wildsee), 46°42'20"N / 12°05'10"E, 1500 m alt., mixed coniferous forest, on stem bark of *Larix decidua* (1-2.5 m trunk height).

Note: Specimen in GZU with one apothecium.

4.IX.2002

leg. & det. W. Obermayer (10175)

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247. *Peltigera apthosa* (L.) Willd.

AUSTRIA, Steiermark (=Styria), Seetaler Alpen, 10 km WNW of Obdach, road from Schmelz to Winterleitenhütte, 47°05'45"N / 14°34'40"E, MTB 8953/1, 1680 m alt., slopes of a forest road in a high montane *Picea-abies/Pinus-cembra* forest, on ground (covering bryophytes).

28.V.2003

leg. & det. W. Obermayer (10137)

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248. *Pertusaria multipuncta* (Turner) Nyl.

RUSSIA, Republic Buryatiya, south shore of Lake Baikal, Khamar-Daban ridge, valley of Pereemnaya river, mouth of Nemskii Kluch, 51°25'N / 105°17'E, 700 m alt., poplar-spruce forest, on bark of *Populus suaveolens*.

12.VIII.2002

leg. & det. G.P. Urbanavichus (12800)

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249. *Physconia enteroxantha* (Nyl.) Poelt

AUSTRIA, Steiermark (=Styria), Niedere Tauern, Schladminger Tauern, Untertal S of Schladming, shortly W of the inn Tetter, 47°21'25"N / 13°42'35"E, MTB 8648/1, 1020 m alt., tree row at the edge of a pasture, on *Fraxinus excelsior*.

28.VIII.2001

leg. & det. W. Obermayer (09321-2)

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250. *Porpidia tuberculosa* (Sm.) Hertel & Knoph

AUSTRIA, Niederösterreich (=Lower Austria), Waldviertel, Jauerling, ENE of Erlreut, 48°21'N / 15°23'E, MTB 7658/3, 650 m alt., on granitic boulder (near ground).

19.IV.1995

leg. R. Türk (s.n.2) & N. Türk, det. R. Türk

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251. *Ramalina obtusata* (Arnold) Bitter

(incl. *R. baltica* Lettau)

AUSTRIA, Salzburg, Hohe Tauern, Katschberg, Klausgraben S of St. Michael im Lungau, 47°04'50"N / 13°37'00"E, MTB 8947/2, 1330 m alt., forest with *Picea abies* and *Larix decidua*, on stembark of *Larix decidua*.

Note: Thalli with labrifiform soralia (= *R. obtusata* s.str.) and helm-like soralia (= *R. baltica*) were found growing together. The collector has tried to sort out individuals with the latter type of soralia.

11.X.2002

leg. & det. R. Türk (32876)

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252. *Ramalina prolifera* Taylor

URUGUAY, Florida, Paso Severino Dam, Estancia 'La Galena', marginal forest of the Santa Lucia Chico River, 34°27'S / 56°24'W, 70-80 m alt., on Myrtaceae (locally very common).

19.IV.2003

leg. S. Claramunt, R. Pereira & F. Scarabino
(s.n.; ex herb. Osorio no 9637), det. H.S. Osorio (2003)

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253. *Ramalina requienii* (De Not.) Jatta

GREECE, Dodecanese Islands (Nomos Dodekanisou), Kos Island, Kefalos peninsula, 6 km S of Kefalos, Agios Mammias chapel near S-tip, 36°40.7'N / 26°58.0'E, 200 m alt., *Phrygana* dwarfshrub vegetation with siliceous outcrops, on rocks (at hilltop near the coast).

23,24.IX.2000

leg. H. Sipman (47159) & Th. Raus, det. H. Sipman

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254. *Ramalina sprengelii* Krog & Swinscow

URUGUAY, Rocha, Cerros de Navarro, Quebrada de los Higueros, 34°05'26"S / 53°45'04"W, 50 m alt., swampy soil, on branches of shrubs (locally very common).

25.IV.2003

leg. & det. H.S. Osorio (9644) & G. Geymonat

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255. *Staurolemma omphalioides* (Anzi) P.M.Jørg. & Henssen

SPAIN, Islas Canarias, Tenerife, 15 km above Arafo, road to the central ridge of the island, 28°22'30"N / 16°26'20"W, 1450 m alt., plantation of *Castanea sativa*, on *Castanea sativa*.

18.II.1989

leg. J. Hafellner (41399) & A. Hafellner, det. J. Hafellner

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256. *Stereocaulon rivulorum* H.Magn.

RUSSIA, Murmansk Region, 45 km NNE of Murmansk, Barents Sea coast at the mouth of Voron'ya River, 69°15'-20'N / 33°25'-35'E, 10-20 m alt., sand dunes on the river terrace, on sand (abundant).

30.VIII.1997

leg. & det. M. Zhurbenko (97138)

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257. *Stereocaulon vesuvianum* Pers.

SPAIN, Islas Canarias, El Hierro, uppermost slopes of El Golfo, 1 km W below the turnoff to Santuario Virgen de los Reyes, by the road to Frontera, 27°44'00"N / 18°00'10"W, 1280 m alt., N-exposed road-slope, on solidified lava.

4.II.1995

leg. & det. J. Hafellner (33744)

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258. *Syncesia myrticola* (Fée) Tehler

SPAIN, Islas Canarias, El Hierro, El Golfo, El Mocanal, 8.5 km SW above Frontera, 27°44'15"N / 18°02'20"W, 860 m alt., degraded laurel forest, on stembark of *Myrica faya*.

13.II.1995

leg. & det. J. Hafellner (61038)

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259. *Xanthoria parietina* (L.) Th.Fr.

AUSTRIA, Steiermark (=Styria), Oststeirisches Riedelland, 6.5 km E of the center of Graz, Äußere Ragnitz, 47°04'29"N / 15°31'23"E, MTB 8959/1, 420 m alt., single tree in a grain field, on twigs of overthrown *Populus* spec.

Note: Pro parte intermixed with *Physconia grisea*, *Physcia adscendens* (specimen in GZU with apothecia), and *Phaeophyscia orbicularis*.

18.VIII.2002

leg. & det. W. Obermayer (09405)

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260. *Xylographa vitiligo* (Ach.) J.R.Laundon

AUSTRIA, Steiermark (=Styria), Niedere Tauern, Schladminger Tauern, Reiteralm WSW of Schladming, footpath from Gasselhöhehütte to Mittersee, 47°21'25"N / 13°35'45"E, MTB 8647/2, 1760 m alt., conifer forest (*Picea abies*, *Larix decidua*, *Pinus cembra*), on deadwood (laying on ground).

24.VIII.2001

leg. & det. J. Hafellner (56763) & W. Obermayer

Correction

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144. *Pannaria emodi* P.M.Jørg. – PARATYPE

[originally distributed as *Pannaria rubiginosa* (Ach.) Bory

CHINA, Tibet, prov. Xizang, Nyainqêntanglha Shan, 275 km ENE of Lhasa, 70 km E of Gongbo Gyamda, close to the shore of the lake Basum Tso, 30°00'N/93°56'-57'E, 3500 m alt., on *Salix* spec.

30.VIII.1994

leg. W. Obermayer (7157)
det. P.M. Jørgensen in 2000