

## Lichenicolous Biota (Nos 121–150)

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HAFELLNER J. 2012: Lichenicolous Biota (Nos 121–150). – Fritschiana (Graz) 74: 19–41. - ISSN 1024-0306.

**Abstract:** The sixth fascicle (30 numbers) of the exsiccata 'Lichenicolous Biota' is published. The issue contains material of 29 non-lichenized fungal taxa (17 ascomycetes, 6 basidiomycetes, 6 anamorphic fungi), including isotype material of *Abrothallus parmotrema* Diederich (no. 131), *Endococcus thelommatis* Kocourk. & K.Knudsen (no. 136), *Laetisaria lichenicola* Diederich et al. (no. 137), *Trimmatostroma dendrographae* Diederich et al. (no. 129), and of *Trimmatostroma quercicola* Diederich et al. (no. 149), as well as isoneotype material of *Briancoppinsia cytospora* (Vouaux) Diederich et al. (no. 133), representing the type species of *Briancoppinsia*, and paratype material of *Trimmatostroma dendrographae* (no. 130). Collections of the type species of *Cercidospora* (*C. macrospora*, syn. *C. ulothii*), *Marchandiobasidium* (*M. aurantiacum*), *Phaeopyxis* (*P. punctum*), *Rhagadostoma* (*R. lichenicola*, syn. *R. corrugatum*), *Stigmidium* (*S. schaeferi*), *Teloggalla* (*T. olivieri*), and *Xanthoriicola* (*X. physciae*) are also included in this fascicle.

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### Introduction

The exsiccata 'Lichenicolous Biota' is continued with fascicle 6 containing 30 numbers.

The exsiccata covers all lichenicolous biota. The exsiccata is open to non-lichenized and lichenized fungi, but also to myxomycetes, bacteria, and even animals, whenever they cause a characteristic symptom on their host (e.g., discoloration or galls). Consequently, the exsiccata contains both highly host-specific and plurivorous species, as long as the individuals clearly grow upon a lichen and the collection is homogeneous, so that identical duplicates can be prepared.

The five complete sets are sent to herbaria of the following regions: Central Europe (Graz [GZU]), Northern Europe (Uppsala [UPS]), Western Europe (Bruxelles [BR]), North America (New York [NY]), Australasia (Canberra [CANB]). Incomplete sets will preferably be distributed to Barcelona [BCN], Edinburgh [E], Leningrad [LE], Munich [M], and Prague [PRM] (herbarium acronyms sec. HOLM-

GREN et al. 1990, continued and updated as electronic database by THIERS 2010, onwards and hosted at New York Botanical Garden <http://sciweb.nybg.org/science2/IndexHerbariorum.asp>). It is planned to publish at least one fascicle per year, consisting of a variable number of decades.

For the 6<sup>th</sup> issue, I gratefully acknowledge the contribution of 13 collections by Paul Diederich (partly together with Damien Ertz), 2 collections by Walter Obermayer, 2 collections by Toby Spribille (together with L. Yakovchenko), and 1 collection each by Brian Coppins, Damien Ertz, Siegfried Huneck(†), Kerry Knudsen (together with S. Chaney, sent by Jana Kocourková), James Lendemer, and Rolf Santesson. In fieldwork I received support by Roderick Rogers. Brian Coppins, Paul Diederich, Damien Ertz, Jana Kocourková, James Lendemer, and Toby Spribille contributed to the scientific content of the fascicle by the identification of either lichenicolous fungi or hosts. Christian Scheuer, Walter Obermayer, and Helmut Mayrhofer are thanked for critically reading the manuscript.

I would be much obliged to colleagues who send material of lichenicolous biota for distribution in future fascicles. The collections should be divided up into at least 5 (up to 10) duplicates, preferably already prepared. Unprepared collections should be rich enough to obtain at least 5 duplicates.

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**121. *Dactylospora lobariella* (Nyl.) Hafellner**

in Nova Hedwigia Beih. 62: 118 (1979). – Bas.: *Lecidea lobariella* Nyl. in Flora (Regensburg) 52: 296 (1869). – Syn.: *Buellia lobariella* (Nyl.) Arnold in Flora (Regensburg) 53: 478 (1870). – *Karschia lobariella* (Nyl.) Arnold in Flora (Regensburg) 57: 103 (1874). – *Abrothallus lobariellus* (Nyl.) Zopf in Hedwigia 35: 363 (1896).

Host: *Lobaria* spec. (thallus)

**Asia, Russia:** Khabarovskiy Krai, Komsomolsk-De Kastri route, Khomi Mountains, c. 20 air km E of Chernyy Mys, hills on north bank of the Salasu River, 51°05'55"N / 138°46'17"E, 328 m alt.; mixed coniferous-broad-leaved mature forest, at the base of a trunk of *Picea jezoensis*.

Note: The type host of *Dactylospora lobariella* is *Lobaria pulmonaria*.

12. VII. 2009 leg. T. Spribille (30509)  
(excursion together with L. Yakovchenko, C. Printzen, B. Kanz & E. Malashkina)  
det. J. Hafellner

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**122. *Marchandiobasidium aurantiacum* Diederich & Schultheis**

in Diederich et al., Mycol. Res. 107: 524 (2003).

Hosts: *Physcia adscendens* (thallus) and *Physcia tenella* (thallus)

**Europe, Luxembourg:** Dudelange, in the centre of the city, along Schwaarze Wee, 49°28'40"N / 06°05'02"E, c. 290 m alt., IFBL: M8.54.42, UTM: KV.88; trees on a parking area, on bark of *Platanus* spec.

Note: *Physcia tenella* is the type host of *Marchandiobasidium aurantiacum*.

15. II. 2010 leg. P. Diederich (16901), det. P. Diederich

distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**123. *Nectriopsis parmeliae* (Berk. & M.A.Curtis) M.S.Cole & D.Hawksw.**

in Mycotaxon 77: 321 (2001). – Bas.: *Diplodia parmeliae* Berk. & M.A.Curtis in Berkeley, Grevillea 3(25): 3 (1874). – Syn.: *Nectria parmeliae* (Berk. & M.A.Curtis) D.Hawksw. in Bull. British Mus. Nat. Hist., Bot. ser., 9(1): 76 (1981).

Host: *Physcia subtilis* (thallus)

**North America, U.S.A.:** Pennsylvania, Lancaster County, E slopes above Susquehanna River, 0.25–0.5 miles N of confluence of Tucquan Creek and Susquehanna River, 39°51'30"N / 76°20'55"W, c. 100 m alt.; schist outcrops with *Quercus-Nyssa-Pinus* forest, on rock.

Note 1: In the protologue the host is only given on genus level (*Parmelia*).

Note 2: Hawksworth (l.c.) has reinvestigated the holotype in K and identified the host lichen as *Punctelia* cf. *subrudecta* (sub *Parmelia*).

08. VIII. 2009 leg. J. C. Lendemer (19351), det. J. C. Lendemer  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**124. *Sagediopsis fissurisedens* Hafellner**

in Herzogia 9(3–4): 757 (1993).

Host: *Aspilidea myrinii* (thallus)

**Europe, Sweden:** Härjedalen, Tännäs par., Mt. Gruvvålen, 0.3 km SSW of Glimsjön, c. 1.5 km ENE of Ramundbergets Fjällgård, 62°42'40"N / 12°25'E, c. 920 m alt.; on open siliceous rocks in a subalpine birch forest.

Note: *Aspilidea myrinii* is the type host of *Sagediopsis fissurisedens*.

11. VIII. 1987 leg. R. Santesson (31955), det. R. Santesson  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**125. *Sphinctrina leucopoda* Nyl.**

in Synopsis Meth. Lich. 1: 144 (1860).

Host: *Pertusaria* spec. (thallus, apothecial verrucae)

**Australia:** Queensland, Tandora, about 25 km ENE of Maryborough, 25°27'S / 152°52'E, at sea level; mangroves.

Note: The type host of *Sphinctrina leucopoda* is a North American *Pertusaria*. Nylander (l.c.) argued it might be *P. leioplaca*.

23. VIII. 1986                      leg. J. Hafellner (18211) & R. Rogers, det. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**126. *Tremella dendrographae* Diederich & Tehler**

in Diederich, Biblioth. Lichenol. 61: 74 (1996).

Host: *Dendrographa minor* (syn. *Dendrographa leucophaea* f. *minor*) (thallus)

**North America, U.S.A.:** California, Monterey Co., SW of Monterey, 17-Mile Drive, Crocker Grove, 36°34'40"N / 121°58'20"W, c. 15 m alt.; coniferous forest close to the sea, on *Cupressus macrocarpa*.

Note: *Dendrographa minor* is the type host of the species.

19. VII. 2008                      leg. P. Diederich (16794) & D. Ertz, det. P. Diederich  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**127. *Tremella ramalinae* Diederich**

in Biblioth. Lichenol. 61: 152 (1996).

Host: *Ramalina fraxinea* (thallus)

**Europe, Austria:** Steiermark (Styria), Northern Alps, Dachsteingruppe, Ramsau, 4.6 km NNW of the centre of Schladming, 0.28 km NE of the church of Ramsau-Ort and 0.5 km SE of the farmstead 'Feldlhof', 47°25'26"N / 13°39'28"E, c. 1150 m alt., GF 8547/4; alley, on twigs of *Acer pseudoplatanus* and *Fraxinus excelsior*.

Note: The type host of *Tremella ramalinae* is *Ramalina lacera*.

19. II. 2012 leg. W. Obermayer (12390), det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**128. *Trichonectria pertusariae* Etayo & P.Boom**

in Nova Hedwigia 81: 160 (2005).

Host: *Pertusaria* spec. (thallus, apothecial margins)

**Africa, Canary Islands:** La Gomera, Arure, Mirador de Alojera, 28°09'04"N / 17°18'30"W, c. 980 m alt.; brezal (*Erica arborea* stand), on bark of *Erica arborea*.

Note: The type host of *Trichonectria pertusariae* is *Pertusaria ophthalmiza*.

2. IV. 2011 leg. D. Ertz (16252), det. D. Ertz  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**129. *Trimmatostroma dendrographae* Diederich, Ertz, U.Braun  
& Heuchert                      **Isotype****

in Diederich et al., Bull. Soc. Naturalistes Luxembourgeois 111: 49 (2010).

Host: *Dendrographa* spec. (thallus)

**North America, U.S.A.:** California, Monterey Co., Carmel, Point Lobos State Reserve, 36°31'18"N / 121°57'09"W, c. 30 m alt.; coniferous forest close to the sea, on *Cupressus macrocarpa*.

Note 1: The host thallus consists of a crustose primary thallus and a secondary fruticose one; both are infected.

Note 2: Paratype material is distributed under Lichenicolous Biota no. 130.

18. VII. 2008                      leg. P. Diederich (16789) & D. Ertz, det. P. Diederich  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**130. *Trimmatostroma dendrographae* Diederich, Ertz, U.Braun  
& Heuchert                      **Paratype****

in Diederich et al., Bull. Soc. Naturalistes Luxembourgeois 111: 49 (2010).

Host: *Dendrographa* spec. (thallus)

**North America, U.S.A.:** California, Monterey Co., SW of Monterey, 17-Mile Drive, Crocker Grove, 36°34'40"N / 121°58'20"W, c. 15 m alt.; coniferous forest close to the sea, on *Cupressus macrocarpa*.

Note 1: The type host of the species is a so far undetermined *Dendrographa* likely to be identical with that of the paratype.

Note 2: The host thallus consists of a crustose primary thallus and a secondary fruticose one; both are infected.

Note 3: Isotype material is distributed under Lichenicolous Biota no. 129.

19. VII. 2008                      leg. P. Diederich (16767) & D. Ertz, det. P. Diederich  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**131. *Abrothallus parmotrema* Diederich      Isotype**

in Bull. Soc. Naturalistes Luxembourgeois 112: 29 (2011).

Host: *Parmotrema crinitum* (thallus)

**Europe, United Kingdom:** Scotland, Inner Hebrides, Isle of Skye, SSE of Broadford, Ardnameacan [on the shore of Loch na Dal], 57°10'05"N / 5°46'50"W, c. 30 m alt., NG 7 1; deciduous forest with dominant *Corylus avellana*, on bark of unidentified tree.

Note: The name was originally introduced in Clauzade et al., Bull. Soc. Linn. Provence, Num. Spéc. 1: 24 (1989) but the species was not formally described at that time.

27. V. 1987

leg. P. Diederich (8301), det. P. Diederich

distributed to: BR, CANB, E, GZU, M, NY, UPS

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**132. *Abrothallus peyritschii* (Stein) I.Kotte**

in Centralbl. Bakt. Paras., 2. Abt., 24: 76 (1909). – Bas.: *Abrothallus parmeliarum* var. *peyritschii* Stein, Flechten in Cohn, Kryptfl. Schles. 2(2): 211 (1879). – Syn.: *Abrothallus parmeliarum* f. *peyritschii* (Stein) Arnold in Flora (Regensburg) 68: 221 (1885).

Host: *Vulpicida pinastri* (thallus)

**Asia, Russia:** Khabarovskiy Krai, Bureinskiy Zapovednik, upper reach of the Pravaya Bureya River, Tsarskaya Doroga, ca. 650 m N of patrol cabin 'Staraya Medvezhka', 25 km SE of Sofiysk and 2.6 km N (upstream) of the patrol cabin 'Novaya Medvezhka'. 52°09'00"N / 134°19'00"E, c. 870 m alt.; mossy *Larix gmelinii*-*Vaccinium vitis-idaea* forest, on branches of *Pinus pumila*.

Note: *Vulpicida pinastri* is the type host of *Abrothallus peyritschii*.

2. VIII. 2009

leg. T. Spribille (31780) with L. Yakovchenko, det. T. Spribille

distributed to: BCN, BR, CANB, GZU, LE, M, NY, UPS

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**133. *Briancoppinsia cytospora* (Vouaux) Diederich, Ertz, Lawrey  
& P.Boom *Isonotype***

in Fungal Diversity 52(1): 8 (2011). – Bas.: *Phyllosticta cytospora* Vouaux in Bull. Soc. Mycol. France 30: 193 (1914). – Syn.: *Phoma cytospora* (Vouaux) D.Hawksw. in Trans. Brit. Mycol. Soc. 67: 56 (1976).

Host: *Lecanora conizaeoides* (thallus)

**Europe, Luxembourg:** N of Reckange (Mersch), Enelter Kapelle, 49°45'35"N / 6°04'42"E, c. 265 m alt., IFBL: L8.24.44; UTM: KA.81; deciduous trees near the chapel, on old trunk of *Aesculus hippocastanum*.

Note 1: According to the protologue, the type host of *Phyllosticta cytospora* is *Flavoparmelia caperata*.

Note 2: The identification of the host in the exsiccata distributed here is uncertain.

Note 3: Diederich et al. (Fungal Diversity 52(1): 1–12, 2011) have shown that the coelomycete *Briancoppinsia cytospora* is likely to be a member of the family *Arthoniaceae* belonging to the *Arthoniales-Arthoniomycetes*.

Note 4: The host is partly killed by *Athelia arachnoidea* (e.g. specimen in GZU).

3. IX. 2009 leg. P. Diederich (16849), det. P. Diederich  
distributed to: BR, CANB, E, GZU, NY, PRM, UPS

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**134. *Cercidospora macrospora* (Uloth) Hafellner & Nav.-Ros.**

in Navarro-Rosinés et al., Lich. Fl. Greater Sonoran Desert Region 2: 638 (2004). – Bas.: *Phacopsis macrospora* Uloth in Flora (Regensburg) 44: 653 (1861). – Syn.: *Cercidospora ulothii* Körb. in Parerga Lich.: 465 (1865).

Host: *Protoparmeliopsis muralis* sensu auct. (thallus)

**Europe, Germany:** Sachsen-Anhalt, Wimmelburg c. 2.5 km WSW of Eisleben, mining area N of the village, 51°31'25"N / 11°30'55"E, c. 190 m alt., MTB 4435/3; mining waste tip of copper-rich slate, on small stones.

Note 1: *Protoparmeliopsis muralis* sensu auct. (syn. *Lecanora muralis*) is the type host of *Cercidospora macrospora* and its syn. *C. ulothii*.

Note 2: The genus *Cercidospora* is based on *C. ulothii* Körb., a later heterotypic synonym of *Phacopsis macrospora* Uloth.

10. III. 1991 leg. S. Huneck, det. J. Hafellner  
distributed to: BR, CANB, GZU, NY, UPS

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**135. *Cornutispora pyramidalis* Etayo**

in Opuscula Philolichenum 8: 134 (2010).

Host: *Parmotrema robustum* (thallus)

**Europe, Azores:** São Miguel, Furnas, on the shore of Lagoa das Furnas, 37° 46'06"N / 25°19'54"W, c. 285 m alt.; planted trees on the lakeshore, on bark of *Cryptomeria japonica*.

Note: The type host of *Cornutispora pyramidalis* is *Hypotrachyna revoluta*.

30. VII. 2010

leg. P. Diederich (16968), det. P. Diederich

distributed to: BR, CANB, GZU, NY, UPS

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**136. *Endococcus thelommatis* Kocourk. & K.Knudsen  
Isotype**

in Biblioth. Lichenol. 106: 174 (2011).

Host: *Thelomma santessonii* (thallus, apothecial margins)

**North America, U.S.A.:** California, Santa Barbara Co., Santa Rosa Island, Channel Islands National Park, South Point, 33°54'27"N / 120°07'27"W, 299 m alt.; coastal sage shrub, on boulders of sandstone.

Note: *Thelomma santessonii* is the type host of the species.

14. VI. 2009

leg. K. Knudsen (11421) & S. Chaney, det. J. Kocourkova

distributed to: BCN, BR, CANB, GZU, NY, PRM, UPS

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**137. *Laetisaria lichenicola* Diederich, Lawrey & Van den Broeck  
Isotype**

in Diederich et al., Mycologia 103(3): 530 (2011).

Hosts: *Physcia adscendens* (thallus) and *Physcia tenella* (thallus)

**Europe, Luxembourg:** Dudelange, in the centre of the city, along Schwaarze Wee, 49°28'40"N / 06°05'02"E, c. 290 m alt., IFBL: M8.54.42, UTM: KV.88; trees on a parking area, on bark of *Platanus* spec.

Note 1: All specimens are sterile.

Note 2: *Laetisaria lichenicola* also attacks *Phaeophyscia orbicularis* (specimen in BR) and *Xanthoria parietina* (specimen in GZU).

Note 3: The specimen in GZU is also infected with *Marchandiobasidium aurantiacum*. Material of that species is distributed under Lichenicolous Biota no. 122.

15. II. 2010

leg. P. Diederich (16900), det. P. Diederich

distributed to: BR, CANB, GZU, NY, UPS

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**138. *Minutoexcipula mariana* V. Atienza**

in Biblioth. Lichenol. 82: 142 (2002).

Host: *Pertusaria* spec. (thallus, apothecial verrucae)

**Europe, Azores:** Pico, Lajes do Pico, along main road inside village, 38°23' 37"N / 28°15'03"W, c. 15 m alt.; row of trees beside the road, on bark of *Dracaena* spec..

Note: The type host of *Minutoexcipula mariana* is *Pertusaria heterochroa*.

25. VII. 2010

leg. P. Diederich (17023), det. P. Diederich

distributed to: BR, CANB, GZU, NY, UPS

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**139. *Muellerella hospitans* Stizenb.**

in Nova Acta Acad. Leop.-Carol. 30(3): 51 (1863). – Syn.: *Muellerella polyspora* var. *hospitans* (Stizenb.) Keissl. in Ark. Bot. 18(16): 4 (1923).

Host: *Bacidia* spec. (apothecia)

**Europe, Albania:** Northern Albania, Lezhë distr., at the coast of the Adriatic Sea SW of the town Lezhë, Kuna Vain lagoon S of the inlet of the river Drin, 41°44'20"N / 19°34'50"E, c. 5 m alt.; remnants of coastal forest c. 200 m behind the shore, on bark of old *Fraxinus* spec.

Note: The type host of *Muellerella hospitans* is *Bacidia rubella*.

16. VIII. 2007 leg. J. Hafellner (80823), det. J. Hafellner  
(excursion together with M. Tretiach, L. Muggia, M. Piccotto & J. Marka)

distributed to: BR, CANB, GZU, NY, UPS

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**140. *Phaeopyxis punctum* (A.Massal.) Rambold, Triebel & Coppins**

in Rambold & Triebel, Notes Roy. Bot. Garden Edinburgh 46: 384 (1990). – Bas.: *Nesolechia punctum* A.Massal. in Sched. Crit. Lich. Exs. Italiae 5: 96 (1856). – Syn.: *Lecidea punctum* (A.Massal.) Jatta in Syll. Lich. Ital.: 353 (1900).

Host: *Cladonia digitata* (thallus) and *C. coniocraea* (thallus)

**Europe, Austria:** Vorarlberg, Eastern Alps, Verwall-Gruppe, Silbertal c. 8 km east of the town Schruns, above the inn Fellimännle, 47°04'45"N / 10°01'30"E, c. 1100 m alt., GF 8926/1; talus of forest road on slope exposed to the W, on mossy soil.

Note 1: In the protologue the host is only given to genus level (*Cladonia*).

Note 2: Type material has been distributed in Massalongo, Lich. Ital. Exs. 153. Rambold & Triebel (l.c.) revised two isotypes stored in M but did not mention the type host.

30. VIII. 2008 leg. J. Hafellner (80842), det. J. Hafellner

distributed to: BR, CANB, GZU, M, NY, UPS

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**141. *Plectocarpon macaronesiae*** Diederich, Etayo & Sérusiaux

in Diederich & Etayo, Nordic J. Bot. 14: 592 (1994).

Host: *Lobaria macaronesica* (thallus)

**Europe, Azores:** Pico, between Lajes do Pico and São Roque do Pico, Bosque da Junqueira, 1 km S of a junction with a road going to the E, 38°27'56"N / 28°17'57"W, c. 650 m alt.; laurel forest, on *Vaccinium cylindraceum*.

Note 1: The type host of *Plectocarpon macaronesiae* is *Lobaria* cf. *meridionalis*.

Note 2: The specimen in GZU is also infected by *Tremella lobariacearum*.

26. VII. 2010

leg. P. Diederich (17076), det. P. Diederich

distributed to: BCN, BR, CANB, GZU, LE, NY, UPS

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**142. *Polycoccum minutulum*** Kocourk. & F. Berger

in Czech Mycology 51: 171 (1999).

Host: *Trapelia placodioides* (thallus)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, in the gorge Raabklamm W of the town Weiz, orographically right slope E below the village Kapellenfeld, rocky ridge c. 0.6 km NW of the castle Gutenberg, 47°13'00"N / 15°33'50"E, c. 580 m alt., GF 8759/3; sparse mixed forest with small outcrops of siliceous schist, on loose plates lying on the ground.

Note: *Trapelia placodioides* is the type host of *Polycoccum minutulum*.

9. IX. 2009

leg. J. Hafellner (74056), det. J. Hafellner

distributed to: BCN, BR, CANB, GZU, NY, PRM, UPS

Hafellner J. 2012: Lichenicolous Biota (Nos 121–150). - Fritschiana 74: 19–41.

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**143. *Rhagadostoma lichenicola* (De Not.) Keissl.**

in Rabenh. Krypt.-Fl., 2. Aufl. 8: 320 (1930). – Bas.: *Bertia lichenicola* De Not. in Erb. Crittog. Ital. no. 1190 (1864).

Host: *Solorina crocea* (thallus)

**Europe, Austria:** Kärnten (Carinthia), Eastern Alps, Saualpe W of the town Wolfsberg, short SSW of the saddle between the mountains Forstalpe and Geierkogel, 46°54'30"N / 14°40'05"E, c. 1850 m alt., GF 9054/3; outcrops of eclogite along the crest, exposed to the N, on soil.

Note 1: *Solorina crocea* is the type host of *Rhagadostoma lichenicola*.

Note 2: The genus *Rhagadostoma* is based on *R. corrugatum* Körb. a later heterotypic synonym of *Bertia lichenicola* De Not.

4. IX. 2011

leg. J. Hafellner (78506), det. J. Hafellner

distributed to: BR, CANB, GZU, NY, UPS

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Hafellner J. 2012: Lichenicolous Biota (Nos 121–150). - Fritschiana 74: 19–41.

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**144. *Stigmidium schaeferi* (A.Massal.) Trevis.**

in Conspectus Verruc.: 17 (1860). – Bas.: *Sphaeria schaeferi* A.Massal. in Sulla *Lecidea hookeri* nota: 8 (1853) '*schaererii*'. – Syn.: *Pharcidia schaeferi* (A.Massal.) Arnold in Verh. Zool.-Bot. Ges. Wien 19: 638 (1896). – *Verrucaria schaeferi* (A. Massal.) Nyl. in Flora (Regensburg) 53: 358 (1865). – *Sphaerella schaeferi* (A. Massal.) Anzi in Atti Soc Ital. Sci. Nat. 11: 180 (1868). – *Epicymatia schaeferi* (A.Massal.) Sacc. in Syll. Fung. 1: 571 (1882). – *Sphaerulina schaeferi* (A.Massal.) Sacc. & D.Sacc. in Syll. Fung. 17: 695 (1905).

Host: *Dacampia hookeri* (thallus)

**Europe, Austria:** Salzburg, Pinzgau, Eastern Alps, Hohe Tauern, Glockner-Gruppe, northern slopes of Kitzsteinhorn, c. 0.5 km W of Bundessportheim, 47°12'35"N / 12°41'10"E, c. 2450 m alt., GF 8742/3; open alpine vegetation over calcareous schist, on soil.

Note 1: *Dacampia hookeri* is the type host of *Stigmidium schaeferi*.

Note 2: *Dacampia hookeri* is lichenicolous itself, usually upon species of the *Solorina bispora* group (see Henssen, Crypt. Bot. 5: 149–158, 1995) but often, as is the case in the material distributed here, the primary host is not recognizable anymore.

27. VIII. 1996

leg. J. Hafellner (37986), det. J. Hafellner

distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2012: Lichenicolous Biota (Nos 121–150). - Fritschiana 74: 19–41.

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**145. *Stigmidium tabacinae* (Arnold) Triebel**

in Biblioth. Lichenol. 35: 236 (1989). – Bas.: *Pharcidia tabacinae* Arnold in Flora (Regensburg) 64: 176 (1881). – Syn.: *Sphaerulina tabacinae* (Arnold) Vouaux in Bull. Soc. Mycol. France 29: 34 (1913).

Host: *Toninia tristis* (thallus)

**North America, U.S.A.:** Alaska, Yukon-Koyukuk Census Area, Brooks Range, Endicott Mountains, Sukakpak Mountain, foothills on the W side, 67°35'35"N / 149°46'00"W, c. 580 m alt.; boulders of calcareous sandstone in open boreal forest, on soil.

Note: *Toninia tristis* (sub syn. *Psora tabacina*) is the type host of *Stigmidium tabacinae*.

21. VIII. 2010 leg. J. Hafellner (79969), det. J. Hafellner  
(excursion together with T. Spribille, L. Muggia and C. Hampton-Miller)

distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2012: Lichenicolous Biota (Nos 121–150). - Fritschiana 74: 19–41.

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**146. *Teloggalla olivieri* (Vouaux) Nik.Hoffm. & Hafellner**

in Biblioth. Lichenol. 77: 109 (2000). – Bas.: *Laestadia olivieri* Vouaux in Bull. Soc. Mycol. France 28: 216 (1912) nomen novum for *Verrucaria xanthoriae* Wedd. f. *megaspora* H.Olivier in Princ. Paras. Lich. Fr. Suppl. 1: 14 (1907).

Host: *Xanthoria parietina* (thallus)

**Europe, Luxembourg:** SSW of Belvaux, Kiemreech, 49°29'57"N / 5°53'38"E, c. 370–390 m alt., IFBL M8.51.21; ancient mining area, on twigs of *Salix caprea*.

Note: *Xanthoria parietina* is the type host of *Teloggalla olivieri*.

8. IX. 2012 leg. P. Diederich (17474), det. P. Diederich

distributed to: BR, CANB, GZU, LE, NY, UPS

Hafellner J. 2012: Lichenicolous Biota (Nos 121–150). - Fritschiana 74: 19–41.

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**147. *Tremella caloplacae* (Zahlbr.) Diederich**

in Sérusiaux et al., Lejeunia 173: 31 (2003). – Bas.: *Lindauopsis caloplacae* Zahlbr. in Ber. Deutsch. Bot. Ges. 24: 145 (1906).

Host: *Xanthoria parietina* (apothecia)

**Europe, Austria:** Steiermark (Styria), Dachsteingruppe (S-facing slopes), 4.6 km NNW of the centre of Schladming, Ramsau, 1.4 km W of the church of Ramsau-Ort, road to Vorberg near an underpass, 47°25'16"N / 13°38'10"E, c. 1170 m alt., GF 8747/4; roadside trees, on twigs of *Acer pseudoplatanus*.

Note: The type host of *Tremella caloplacae* is *Caloplaca aurantia*.

21. II. 2012

leg. W. Obermayer (12446), det. J. Hafellner

distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2012: Lichenicolous Biota (Nos 121–150). - Fritschiana 74: 19–41.

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**148. *Tremella lobariacearum* Diederich & M.S.Christ.**

in Diederich, Biblioth. Lichenol. 61: 103 (1996).

Host: *Lobaria pulmonaria* (thallus)

**Europe, Azores:** São Miguel, Furnas, Terra Nostra park, 37°46'15"N / 25°18'42"W, c. 220 m alt.; arboretum, on various exotic trees.

Note: *Lobaria pulmonaria* is the type host of the species.

30. VII. 2010

leg. P. Diederich (16979), det. P. Diederich

distributed to: BCN, BR, CANB, GZU, M, NY, UPS

Hafellner J. 2012: Lichenicolous Biota (Nos 121–150). - Fritschiana 74: 19–41.

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**149. *Trimmatostroma quercicola* Diederich, U.Braun & Heuchert  
Isotype**

in Diederich et al., Bull. Soc. Naturalistes Luxembourgeois 111: 52 (2010)

Host: bark of phorophyte, algal colonies or sterile crustose lichen thallus

**Europe, Luxembourg:** Vogelsmühle, Halerbaach valley, on the orographically left river bank, 49°49'22"N / 06°18'51"E, c. 250 m alt. IFBL: L9.11.11, UTM: LA.02; deciduous forest, on bark of *Quercus* spec.

Note: The biology of the species remains unclear.

9. XII. 2007 leg. P. Diederich (16723), det. P. Diederich  
distributed to: BR, CANB, GZU, NY, UPS

Hafellner J. 2012: Lichenicolous Biota (Nos 121–150). - Fritschiana 74: 19–41.

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**150. *Xanthoriicola physciae* (Kalchbr.) D.Hawksw.**

in Hawksworth & Punithalingam, Trans. Brit. Mycol. Soc. 61: 67 (1973). – Bas.: *Gymnosporium physciae* Kalchbr. in Math. Term. Közlem. 3: 299 (1865). – Syn.: *Coniosporium physciae* (Kalchbr.) Sacc. in Syll. Fung. 4: 246 (1886).

Host: *Xanthoria parietina* (apothecia)

**Europe, United Kingdom:** Scotland, East Lothian (VC 82), Dunbar, Belhaven Bay, 56°00'6"N / 02°33'46"W, c. 5 m alt.; at edge of conifer plantation on coastal sand dunes, on twigs of *Sambucus nigra*.

Note1: *Xanthoria parietina* is the type host of the species.

Note 2: Ruibal et al. (IMA Fungus 2(1): 97–103, 2011) have shown that the dematiaceous hyphomycete *Xanthoriicola physciae* is likely to be a member of the family *Teratosphaeriaceae* belonging to the *Capnodiales*-Dothideomycetes.

18. III. 2012 leg. B. J. Coppins (23901), det. B. J. Coppins  
distributed to: BR, CANB, GZU, NY, UPS

## References

- BRUMMITT, R.K. 2001: World geographical scheme for recording plant distributions. Edition 2. Plant Taxonomic Database Standards No. 2. Edition 2, August 2001. Published for the International Working Group on Taxonomic Databases For Plant Sciences (TDWG) by the Hunt Institute for Botanical Documentation, Carnegie Mellon University, Pittsburgh. 137 pp.
- HOLMGREN, P.K., HOLMGREN, N.H. & BARNETT, L.C. (eds.) 1990: Index herbariorum. Part I. The herbaria of the world. 8<sup>th</sup> edition. - Bronx, New York: New York Botanical Garden for the International Association for Plant Taxonomy. Regnum Vegetabile 120: 693 pp.
- THIERS, B. 2010 [continuously updated]: Index Herbariorum: A global directory of public herbaria and associated staff. New York Botanical Garden's Virtual Herbarium. - URL: <http://sweetgum.nybg.org/ih/> [23. XI. 2012].

## Bibliographic data of fascicles so far issued

- HAFELLNER, J. 2007: Lichenicolous Biota (Nos 1–20). - Fritschiana (Graz) 60: 35–49. URL: <http://www-classic.uni-graz.at/botwww/journals/fritschiana/fritschiana-60/lichenicolous-biota-nos-1-20.pdf>
- HAFELLNER, J. 2008: Lichenicolous Biota (Nos 21–60). - Fritschiana (Graz) 61: 1–28. URL: <http://www-classic.uni-graz.at/botwww/journals/fritschiana/fritschiana-61/hafellner-2008-lichenicolous-biota-21-to-60.pdf>
- HAFELLNER, J. 2009: Lichenicolous Biota (Nos 61–80). - Fritschiana (Graz) 65: 33–46. URL: <http://www-classic.uni-graz.at/botwww/journals/fritschiana/fritschiana-65/lichenicolous-biota-nos-61-80.pdf>
- HAFELLNER, J. 2010: Lichenicolous Biota (Nos 81–100). – Fritschiana (Graz) 67: 11–26. URL: <http://www-classic.uni-graz.at/botwww/journals/fritschiana/fritschiana-67/hafellner-2010-lichenicolous-biota-nos-81-100.pdf>
- HAFELLNER, J. 2012: Lichenicolous Biota (Nos 101–120). – Fritschiana (Graz) 74: 1–17. URL: <http://www-classic.uni-graz.at/botwww/journals/fritschiana/fritschiana-74/hafellner-2012-lichenicolous-biota-nos-101-120.pdf>

## Taxon Synopsis:

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| <i>Abrothallus peyritschii</i> .....                    | 132      |
| <i>Briancoppinsia cytophora</i> .....                   | 133      |
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| Lecanoromycetes                                         |          |
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| <i>Trichonectria pertusariae</i> .....                  | 128      |
| Eurotiomycetes (incl. Verrucariales and Mycocaliciales) |          |
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| <i>Polycoccum minutulum</i> .....                       | 142      |
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| <i>Stigmatidium tabacinae</i> .....                     | 145      |
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| <i>Cladonia digitata</i> .....         | <i>Phaeopyxis punctum</i> .....             | 140      |
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| <i>Lecanora conizaeoides</i> .....     | <i>Athelia arachnoidea</i> .....            | 133      |
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| <i>Physcia adscendens</i> .....        | <i>Marchandiobasidium aurantiacum</i> ..... | 122      |
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## Geographic Index:

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6. PACIFIC

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8. SOUTHERN AMERICA

9. ANTARCTIC

