

## Lichenicolous Biota (Nos 101–120)

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**Abstract:** The fifth fascicle (20 numbers) of the exsiccata “Lichenicolous Biota” is published. The issue contains material of 20 non-lichenized fungal taxa (14 ascomycetes [admixtures not counted], 1 basidiomycete, 5 anamorphic fungi). The fascicle includes isotype material of *Opegrapha hellespontica* Vondrák & Kocourk. (no. 106) and collections of the type species of *Asterothoma* (*A. mazaediicola*), *Lichenosticta* (*L. alcicornaria*), *Microcalicium* (*M. disseminatum*), *Nesolechia* (*N. oxyspora*), *Nigropuncta* (*N. rugulosa*), *Phacothecium* (*P. varium*), *Teloggalla* (*T. olivieri*), and *Xanthoriicola* (*X. physciae*).

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### Introduction

The exsiccata “Lichenicolous Biota” is continued with fascicle 5 containing 20 numbers.

The exsiccata covers all lichenicolous biota, i.e. it 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], Munich [M], Prague [PRM], and St. Petersburg [LE] (herbarium acronyms sec. HOLMGREN et al. 1990, continued and updated as electronic database by THIERS 2011, 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 5<sup>th</sup> issue, I gratefully acknowledge the contribution of 1 collection each by Rainer Cezanne and Marion Eichler, Walter Obermayer, and Jan Vondrák. In fieldwork I received support by Angela Hafellner, Lucia Muggia, Walter Obermayer, and Regine Stordeur. Rainer Cezanne, Marion Eichler, Bettina Heuchert and Jan Vondrák 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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### 101. *Abrothallus parmeliarum* (Sommerf.) Nyl.

in Bull. Soc. Linn. Normandie, 2<sup>e</sup> sér., 3: 12 (1869). – Bas.: *Lecidea parmeliarum* („*parmeliarum*“) Sommerf. in Suppl. Fl. Lappon.: 176 (1826). – Syn.: *Buellia parmeliarum* (Sommerf.) Tuck. in Synopsis North American Lichens 2: 106 (1888). – *Buelliella parmeliarum* (Sommerf.) Fink in Lichen Fl. United States: 372 (1935).

Host: *Parmelia saxatilis* (thallus)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, Burgstaller Höhe NNE of the village St. Radegund, southern edge of the plateau c. 1.5 km W above the village Garrach, 47°13'10"N / 15°30'55"E, c. 1050 m alt., mixed deciduous forest above the SW-facing limestone cliffs, on bark of *Fagus sylvatica*.

Note: Two species of *Parmelia* s. str. (*Parmelia omphalodes* and *P. saxatilis*) are mentioned in the protologue as host species. A lectotype has not been designated so far.

5. XI. 2011 leg. J. Hafellner (79012), det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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### 102. *Asterophoma mazaediicola* D.Hawksw.

in Bull. Brit. Mus. (Nat. Hist.), Bot. ser., 9(1): 8 (1981).

Host: *Calicium trabinellum* (apothecia)

**Europe, Austria:** Kärnten (Carinthia), Eastern Alps, Steirisches Randgebirge, Koralpe NE of the town Wolfsberg, by the trail from the refuge Stoffhütte to the mountain Bäröfen, 46°53'15"N / 15°00'50"E, c. 1560 m alt., GF 9156/1, coniferous forest on gentle slope exposed to the N, on rotting stumps.

Note 1: *Calicium trabinellum* is the type host of *Asterophoma mazaediicola*.

Note 2: *Asterophoma mazaediicola* is likely to represent an anamorphic state of a *Chaenothecopsis* species (see Tibell, Can. J. Bot. 69: 2427–2433, 1991).

25. VI. 2006 leg. J. Hafellner (70768) & L. Muggia, det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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103. *Lichenosticta alcicornaria* (Linds.) D.Hawksw.

in Hawksworth et al., Lichenologist 12(1): 107 (1980). – Bas.: *Microthelia alcicornaria* Linds. in Q. J. Microsc. Sci., n. s., 9: 349 (1869). – Syn.: *Dendrophoma alcicornaria* (Linds.) Vouaux in Bull. Soc. Mycol. France 30: 283 (1914).

Host: *Cladonia coniocraea* (thallus)

**Europe, Austria:** Kärnten (Carinthia), Eastern Alps, Steirisches Randgebirge, Koralpe NE of the town Wolfsberg, by the trail from the refuge Stoffhütte to the mountain Bärenfen, 46°53'15"N / 15°00'50"E, c. 1560 m alt., GF 9156/1, coniferous forest on gentle slope exposed to the N, on rotting stumps.

Note 1: The type host of *Lichenosticta alcicornaria* is *Cladonia foliacea* (sub *C. alcicornis*).

Note 2: The genus *Lichenosticta* is based on *L. podeticicola* Zopf, a later heterotypic synonym of *Microthelia alcicornaria* Linds.

25. VI. 2006 leg. J. Hafellner (70769) & L. Muggia, det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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104. *Lichenostigma rugosa* G.Thor

in Lichenologist 17: 269 (1985).

Host: *Diploschistes scruposus* (thallus, apothecia)

**Europe, Slovenia:** Eastern Alps, Kobansko, Koralpe, mountain top ('Jantschkifels') 7.6 km NE above the town Dravograd (Unterdrauburg), W above the chapel Sv. Urban, uppermost slopes exposed to the S just below the summit close to the border to Austria, 46°39'08"N / 15°03'49"E, c. 1360 m alt.; scattered boulders of garnet schist on clearings in the spruce forest, on inclined rock faces of the boulders.

Note: The type host of *Lichenostigma rugosa* is a *Diploschistes* only determined to genus level.

20. VII. 2008 leg. J. Hafellner (71502), det. J. Hafellner  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

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**105. *Microcalicium arenarium* (Hampe ex A.Massal.) Tibell**

in Bot. Notiser 131: 237 (1978). – Bas.: *Cyphelium arenarium* Hampe ex A.Massal. in Miscell. Lich.: 50 [20] (1856). – Syn.: *Phacotium arenarium* (Hampe ex A.Massal.) Trevis. in Flora (Regensburg) 45: 5 (1862). – *Coniocybopsis arenaria* (Hampe ex A.Massal.) Vain. in Acta Soc. Fauna Flora Fenn. 57(1): 75 (1927). – *Caliciella arenaria* (Hampe ex A.Massal.) Fink in Lichen Fl. United States: 72 (1935).

Host: *Psilolechia lucida* (thallus)

**Europe, Slovenia:** Eastern Alps, Kobansko, Koralpe, Bistrica (Feistritz) valley c. 9.5 km NW of Muta (Hohenmauthen), by the trail along the S (= orographically right) river bank opposite to the Austrian customs hut, 46°39'19"N / 15°07'07"E, c. 470 m alt., outcrops of soft schist exposed to the N in deciduous forest, on overhanging rock faces.

Note 1: The species originally was not recognized as being lichenicolous or algicolous.

Note 2: There is no indication that the diagnosis of the species was provided by Hampe. Therefore the name has to be attributed to the author of the publication (ICBN Art. 46.2).

Note 3: For lectotypification and heterotypic synonyms see Tibell (Bot. Notiser 131: 237, 1978).

5. X. 2008 leg. J. Hafellner (72207) & L. Muggia, det. J. Hafellner

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

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**106. *Opegrapha hellespontica* Vondrák & Kocourk. Isotype**

in Lichenologist 40: 175 (2008).

Host: *Caloplaca aurantia* (thallus)

**Europe, Turkey:** Çanakkale Prov., Eastern Thrace, Gallipoli Peninsula (Gelibolu yarımadası), coast of Dardanelles, 1 km NE of Abide monument, 40°03'12.27"N / 26°13'41.24"E, c. 5 m alt.; SE-exposed coastal limestone cliffs.

Note: Vondrák & Kocourková (l.c.) announced that isotypes will be distributed in Obermayer, Lichenotheca Graecensis. However, the material offered for distribution was too scarce to prepare enough duplicates for that exsiccata.

11. IV. 2007

leg. J. Vondrák, det. J. Vondrák

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

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### 107. *Phacothecium varium* (Tul.) Trevis.

in Linnaea 27: 298 (1856). – Bas.: *Phacopsis varia* Tul. in Ann. Sci. Nat., Bot., sér. 3., 17: 125 (1852). – Syn.: *Celidium varium* (Tul.) A.Massal. in Miscell. Lich.: 44 [15] (1856). – *Arthonia varia* (Tul.) Jatta in Syll. Lich. Ital.: 471 (1900) non (Ach.) Nyl. (1857). – *Lecidea physciaria* Nyl. in Suppl. Lich. Paris: 8 (1897). – *Leciographa physciaria* (Nyl.) H.Olivier in Bull. Acad. Int. Geogr. Bot. 16: 48 (1906). – *Opegrapha physciaria* (Nyl.) D.Hawksw. & Coppins in Coppins et al., Lichenologist 24: 367 (1992). – *Mycobilimbia xanthorica* Räsänen in Ann. Bot. Soc. Zool.-Bot. Fenn. „Vanamo“ 21, Notul. Bot. 16: 2 (1946).

Host: *Xanthoria parietina* (thallus, apothecia)

**Europe, Albania:** Southern Albania, Vlorë distr., at the coast of the Adriatic Sea NW of the town Vlorë, small island of the monastery “Fjetja e Hyllideses”, on the W coast, 40°31’00”N / 19°24’00”E, c. 10 m alt.; fringe of evergreen bushes, on bark of branches of *Pistacia lentiscus*.

Note 1: *Xanthoria parietina* is the type host of *Phacothecium varium* as well as of *Opegrapha physciaria* and *Mycobilimbia xanthorica*.

Note 2: For a detailed treatment of the species see Hafellner, Biblioth. Lichenol. 100: 94–99 (2009).

21. VIII. 2007 leg. J. Hafellner (71009), det. J. Hafellner  
(excursion together with M. Tretiach, L. Muggia, M. Piccotto & J. Marka)

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

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### 108. *Plectocarpon lichenum* (Sommerf.) D.Hawksw.

in Hawksworth & Galloway, Lichenologist 16: 86 (1984). – Bas.: *Dothidea lichenum* Sommerf. in Suppl. Flor. Lapp.: 224 (1826); Fries, Elenchus Fung. 2: 123 (1828). – Syn.: *Lichenomyces lichenum* (Sommerf.) R.Sant. in Svensk Bot. Tidskr. 54(4): 501 (1960). – *Celidium lichenum* (Sommerf.) J.Schröt. in Cohn, Kryptfl. Schlesien 3(2): 135 (1893).

Host: *Lobaria pulmonaria* (thallus)

**Europe, Albania:** Central Albania, Tiranë distr., on the mountain Dajt E above the town Tiranë, between the restaurant “Panorama” and the saddle Qafa e Qershisë, 41°22’15”N / 19°55’20”E, c. 1100 m alt.; deciduous forest over limestone on slope exposed to the W, on bark of *Acer opalus*.

Note: *Lobaria pulmonaria* is the type host of *Plectocarpon lichenum*.

20. VIII. 2007 leg. J. Hafellner (71008), det. J. Hafellner  
(excursion together with M. Tretiach, L. Muggia, M. Piccotto & J. Marka)

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

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109. ***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* f. *megaspora* H.Olivier in Princ. Paras. Lich. Fr. Suppl. 1: 14 (1907).

Host: *Xanthoria parietina* (thallus)

**Europe, Switzerland:** Kanton Graubünden, Engadiner Alps, Sesvenna group, San Niclà, c. 12 km NE of Scuol, N of the church close to the orographically right river bank of the Inn, 46°51'30"N / 10°25'35"E, c. 1080 m alt.; remnants of alluvial forest, on bark of isolated *Alnus incana*.

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

22. VIII. 2006

leg. J. Hafellner (77191), det. J. Hafellner

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

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

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

Host: *Xanthoria parietina* (apothecia)

**Europe, Germany:** Hessen, Hessische Rheinebene, SW of Riedstadt-Leeheim, 49°50'35"N / 8°23'50"E, c. 85 m alt., MTB 6116/3; orchard, on twigs of *Malus domestica*.

Note: *Xanthoria parietina* is the type host of *Xanthoriicola physciae*.

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.

31. X. 2009

leg. R. Cezanne & M. Eichler, det. R. Cezanne & M. Eichler

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

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### 111. *Carbonea vitellinaria* (Nyl.) Hertel

in Mitt. Bot. Staatssamml. München 19: 442 (1983). – Bas.: *Lecidea vitellinaria* Nyl. in Bot. Notiser 1852: 177 (1852). – Syn.: *Nesolechia vitellinaria* (Nyl.) Rehm in Rabenh. Krypt.-Fl., 2. Aufl. 1(3): 319 (1890). – *Lecidella vitellinaria* (Nyl.) Kremp. in Denkschr. Bayer. Bot. Ges. 4(2): 287 (1861).

Host: *Candelariella vitellina* (thallus)

**Europe, Switzerland:** Kanton Graubünden, Western Alps, Rhaetian Alps, Albula group, Julierpass c. 9 km SW of St. Moritz, short SW of the pass, 46° 28'15"N / 09°43'35"E, c. 2290 m alt.; boulders of siliceous rocks in alpine vegetation, on horizontal to slightly inclined rock faces.

Note: *Candelariella vitellina* is the type host of the species.

23. VIII. 2006 leg. W. Obermayer (12186), det. W. Obermayer  
distributed to: BR, CANB, GZU, NY, UPS

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### 112. *Microcalicium disseminatum* (Ach.) Vain.

in Acta Soc. Fauna Flora Fennica 57(1): 77 (1927). – Bas.: *Cyphelium disseminatum* Ach. in Kungl. Svenska Vetenskapsakad. Handl. 1817: 227 (1817). – Syn.: *Sphinctrina disseminata* (Ach.) Trevis. in Flora (Regensburg) 45: 4 (1862). – *Microcalicium subpedicellatum* (Schaer.) Tibell in Bot. Notiser 131: 240 (1978).

Host: *Chaenotheca trichialis* (thallus)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Northern Limestone Alps, Ennstaler Alpen, Gesäuseberge E of the town Admont, by the trail from Johnsbach to the refuge Hess-Hütte, short E above the Untere Koderalm, 47°32'45"N / 14°38'35"E, c. 1520 m alt., GF 8453/4; mixed forest rich in coniferous trees, on bark of *Larix decidua*.

Note 1: The species originally was not recognized as being lichenicolous or algicolous..

Note 2: For typifications and further synonyms see Tibell (Bot. Notiser 131: 240–246, 1978).

25. IX. 2005 leg. J. Hafellner (67520), det. J. Hafellner  
distributed to: BR, CANB, GZU, LE, NY, UPS



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113. ***Nesolechia oxyspora*** (Tul.) A.Massal.

in Miscell. Lich.: 43 (1856). – Bas.: *Abrothallus oxysporus* Tul. in Ann. Sci. Nat., Bot., sér. 3, 17: 116 (1852). – Syn.: *Phacopsis oxyspora* (Tul.) Triebel & Rambold in Nova Hedwigia 47: 300 (1988).

Host: *Parmelia sulcata* (thallus)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Niedere Tauern, Schladminger Tauern, Obertal S of the town Schladming, between Hopfriesen and the inn Tauerngold, 47°19'05"N / 13°41'20"E, c. 1060 m alt., GF 8648/3: riparian forest stripe, on bark of *Alnus incana*.

Note: The host of the lectotype chosen by Triebel et al. (Bryologist 98: 78, 1995) is *Parmelia saxatilis*.

25. VIII. 2001 leg. J. Hafellner (56866), W. Obermayer & R. Stordeur  
det. J. Hafellner

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

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114. ***Nigropuncta rugulosa*** D.Hawksw.

in Bull. Brit. Mus. (Nat. Hist.), Bot. 9(1): 46 (1981).

Host: *Bellemeria cinereorufescens* (thallus)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Steirisches Randgebirge, Stubalpe, Steinplan c. 8 km SE of the town Knittelfeld, summit area, short S below the summit cross, 47°09'45"N / 14°54'20"E, c. 1660 m alt., GF 8855/1; outcrops of mica schist on clearings in the subalpine spruce forest, in overhangs exposed to the SE.

Note: *Bellemeria cinereorufescens* is the type host of *Nigropuncta rugulosa* (isotype in GZU). However, the host had remained undetermined when the lichenicolous fungus was described, because the infection strongly suppresses the formation of host apothecia.

30. VII. 2005 leg. J. Hafellner (65124), det. J. Hafellner

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

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115. ***Paranectria oropensis*** (Ces.) D.Hawksw. & Piroz.

in Can. J. Bot. 55: 2555 (1977). – Bas.: *Sphaeria Nectria oropensis* Ces. in Rabenhorst, Bot. Zeitung 15: 406 (1857); Rabenhorst, Herb. Mycol., ed. 2, no. 524 (1863). – Syn.: *Nectria oropensis* (Ces.) Tul. & C.Tul. in Sel. Fung. Carp. 3: 95 (1865). – *Ciliomyces oropensis* (Ces. in Rabenh.) Höhn. in Sitzungsber. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 115: 25 (1906).

Host: *Phaeophyscia orbicularis* (thallus)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Murberge, small valley SE below the castle Rothenfels, c. 1.5 km SE of the town Oberwölz, 47°11'50"N / 14°18'15"E, c. 860 m alt., GF 8851/2; riparian forest stripe, on bark of *Salix* spec.

Note: Infections with this aggressive lichenicolous fungus are of considerable importance as a succession factor in corticolous lichen synusia, comparable to that of *Athelia arachnoidea*. (compare Hafellner & Obermayer, Herzogia 22: 177–190, 2009).

12. XI. 2000

leg. J. Hafellner (53352), det. J. Hafellner

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

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116. ***Phacographa zwackhii*** (A.Massal. ex Zwackh) Hafellner

in Biblioth. Lichenol. 100: 108 (2009). – Bas.: *Leciographa zwackhii* A.Massal. ex Zwackh in Flora (Regensburg) 45: 571 (1862). – Syn.: *Opegrapha zwackhii* (A.Massal. ex Zwackh) Källsten ex Hafellner in Herzogia 10: 15 (1994).

Host: *Phlyctis argena* (thallus)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Niedere Tauern, Triebener Tauern S of the town Trieben, gentle slope on the northern foot of Großer Gießstein, S above the wayside shrine near the farm Eberl, 47°24'35"N / 14°33'05"E, c. 1160 m alt., GF 8553/3, managed spruce forest with some scattered sycamore maples, on bark of *Acer pseudoplatanus*.

Note 1: *Phlyctis argena* is the type host of *Phacographa zwackhii*.

Note 2: For a detailed treatment of the species see Hafellner, Biblioth. Lich. 100: 108–110 (2009).

15. VIII. 2000

leg. J. Hafellner (52208), det. J. Hafellner

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

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117. ***Sagediopsis fissurisedens*** Hafellner

in Herzogia 9(3–4): 757 (1993).

Host: *Aspilidea myrinii* (thallus)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Steirisches Randgebirge, Koralpe, Seespitz, southeastern slopes short below the summit, 46°47'20"N / 14°58'45"E, c. 2050 m alt., GF 9255/2; outcrops of mica schist in alpine meadows, on inclined rock faces near the ground.

Note 1: *Aspilidea myrinii* is the type host of *Sagediopsis fissurisedens*.

Note 2: The lichenicolous lichen *Protoparmelia phaeonesos* Poelt is also present on the specimens distributed to the herbaria GZU, NY and UPS.

29. X. 2000                                    leg. J. Hafellner (53134) & A. Hafellner, det. J. Hafellner  
distributed to: BR, CANB, GZU, NY, UPS

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118. ***Sphaerellothecium parmeliae*** Diederich & Etayo

in Etayo & Diederich, Lichenologist 30: 117 (1998).

Host: *Parmelia saxatilis* (thallus)

**Europe, Austria:** Kärnten (Carinthia), Eastern Alps, Steirisches Randgebirge, Koralpe E of Wolfsberg, western slopes of the ridge between Weberkogel and Handalpe, 46°50'55"N / 15°00'45"E, c. 1740 m alt., GF 9156/3; small cliffs of mica schist at the actual tree line, on steep rock faces exposed to the W.

Note: *Parmelia saxatilis* is the type host of the species.

31. VIII. 2008                                    leg. J. Hafellner (71655), det. J. Hafellner  
distributed to: BR, CANB, GZU, NY, UPS

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119. ***Stigmidium fuscatae*** (Arnold) R.Sant.

in Thunbergia 6: 17 (1988). – Bas.: *Arthopyrenia fuscatae* Arnold in Flora (Regensburg) 57: 139 (1874). – Syn.: *Pharcidia lichenum* f. *fuscatae* Arnold in Verh. Zool.-Bot. Ges. Wien 22: 302 (1872) (description, but name not validly published, ICBN 43.1.). – *Pharcidia fuscatae* (Arnold) Vouaux in Bull. Soc. Mycol. France 28: 237 (1912).

Host: *Acarospora fuscata* (thallus, apothecia)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Steirisches Randgebirge, Grazer Bergland, in the gorge Raabklamm W of the town Weiz, orographically left slopes, rocky terrain rib N opposite to the castle Gutenberg, 47°12'55"N / 15°34'07"E, c. 560 m alt., GF 8759/3; cliffs of siliceous schist in open mixed forest, on inclined rock faces.

Note 1: *Acarospora fuscata* is the type host of *Stigmidium fuscatae*.

Note 2: *Polycoccum microsticticum* (Leight.) Arnold is also present on the specimen in GZU.

23. VIII. 2009

leg. J. Hafellner (73978), det. J. Hafellner

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

Hafellner J. 2012: Lichenicolous Biota (Nos 101–120). - Fritschiana 74: 1–17.

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120. ***Syzygospora physciacearum*** Diederich

in Biblioth. Lichenol. 61: 38 (1996).

Host: *Physcia adscendens* (thallus)

**Europe, Austria:** Steiermark (Styria), Eastern Alps, Steirisches Randgebirge, Fischbacher Alpen, Feistritz valley c. 2.5 km S of the town Birkfeld, on the orographically right river bank of the Feistritz short upstream of the confluence with Gasenbach, 47°19'55"N / 15°41'45"E, c. 530 m alt., GF 8660/3; riparian forest stripe, on branches in the lower canopy of *Fraxinus excelsior*.

Note: The type host of *Syzygospora physciacearum* is *Physcia dubia*.

25. XII. 2000

leg. J. Hafellner (53738), det. J. Hafellner

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

## Scheda emendata

Hafellner J. 2010: Lichenicolous Biota (Nos 81–100). - Fritschiana 67: 11–26.

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### 81. *Milospium graphideorum* (Nyl.) D.Hawksw.

in Trans. Brit. Mycol. Soc. 65: 228 (1975). – *Spilomium graphideorum* Nyl. in Actes Soc. Linn. Bordeaux 21: 398 (1856). – *Coniothecium graphideorum* (Nyl.) Keissl. in Rabenh. Krypt.-Fl., ed. 2, 8: 618 (1930).

Host: *Dirina stenhammari* (thallus)

**Europe, Ukraine:** Crimean Peninsula, Bakhchysarai, Mashino, limestone cliff 500 m NW of the village, 44°42'04"N / 33°54'26"E, c. 350 m alt.; on the base of the cliff, on limestone in overhangs.

Note 1: The type host of *Milospium graphideorum* is *Lecanographa lyncea*.

Note 2: *Dirina stenhammari* is regarded by some lichenologists as a synonym of *Dirina massiliensis* f. *sorediata*.

10. VI. 2006 leg. J. Vondrák (4613) & J. Šoun, rev. B. Heuchert  
distributed to: BCN, BR, CANB, E, GZU, LE, M, NY, PRM, UPS

[originally issued under *Cladosporium arthoniae* M.S.Christ. & D.Hawksw.]

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- 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.
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