Lichenicolous Biota (Nos 61–80)

Josef HAFELLNER*

HAFELLNER J. 2009: Lichenicolous Biota (Nos 61–80). - Fritschiana (Graz) 65: 33–46. - ISSN 1024-0306.

Abstract: The third fascicle (20 numbers) of the exsiccata 'Lichenicolous Biota' is published. The issue contains material of 20 non-lichenized fungal taxa (14 ascomycetes, 4 basidiomycetes, 2 anamorphic fungi).

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Introduction

For the present fascicle two decades have been prepared. Each number of the first decade comprises ten duplicates, material of the second decade is issued with five to ten duplicates.

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. HOLMGREN & HOLMGREN 1998, onwards: Index Herbariorum. New York Botanical Garden. http://sciweb.nybg.org/science2/ IndexHerbariorum. asp). It is planned to continue the exsiccata with at least one fascicle per year, consisting of a variable number of decades.

I would be very grateful to receive material of lichenicolous biota from my colleagues. 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.

For the third issue, I gratefully acknowledge the contribution of 6 collections by Paul DIEDERICH (partly together with Guy MARSON or Damien ERTZ), 3 numbers by Damien ERTZ (together with Paul DIEDERICH), and one each by Walter OBERMAYER and Roman TÜRK (together with Heidelinde Sofie PFLEGER). Paul DIEDERICH and Damien ERTZ contributed to the scientific content of the fascicle by the identification of either lichenicolous fungi or hosts. Christian SCHEUER and Walter OBERMAYER are thanked for critically reading the manuscript.

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61. ***Arthonia peltigerea*** Th.Fr.

in Bot. Notiser 1866: 15 (1866). – Syn.: *Conida fuscopurpurea* f. *peltigerea* (Th.Fr.) Keissl. in Ark. Bot. 18(16): 8 (1923).

Host: *Peltigera* spec. (thallus)

North America, **Canada**: British Columbia, Wells Gray Provincial Park, Norman's Eddy, along Clearwater River on the right river bank, 52°06'N / 120° 11'W, *c*. 750 m alt.; on a large mossy siliceous boulder.

Note: The type host of *Arthonia peltigerea* is *Peltigera canina*. However, in the past this name was applied in a very broad sense.

23. VII. 2008 leg. D. Ertz (12563) & P. Diederich, det. D. Ertz

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

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62. ***Corticifraga fuckelii*** (Rehm) D.Hawksw. & R.Sant.

in Biblioth. Lichenol. 38: 125 (1990). – Bas.: *Phragmonaevia fuckelii* Rehm in Rabenh. Krypt.-Fl. 2. Aufl., 1(3): 166 (1888).

Host: *Peltigera rufescens* (thallus)

Europe, **Luxembourg**: distr. Gutland, Lamadelaine, Fusboesch, 49°32'33''N / 05°52'34''E, *c*. 360 m alt., IFBL: M8.31.33, UTN: GQ.09; disused quarry, on soil.

Note: *Corticifraga fuckelii* is based on the same type as *Cryptomyces peltigerae* Fuckel (Fuckel, Fungi Rhen. 2069). The type host in both cases is given as *Peltigera canina* but the host of two isotype specimens was not determined to species level by Hawksworth & Santesson (l. c.).

20. IV. 2008 leg. P. Diederich (16744) & G. Marson, det. P. Diederich

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

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

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

Host: *Lobaria pulmonaria* (thallus)

North America, **Canada**: British Columbia, Wells Gray Provincial Park, Norman's Eddy, along Clearwater River, 52°06'N / 120°11'W, *c*. 750m alt.; coniferous forest, on twigs of unnamed conifer.

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

23. VII. 2008 leg. D. Ertz (12561) & P. Diederich, det. D. Ertz

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

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64. ***Echinothecium reticulatum*** Zopf

Nova Acta Acad. Caes. Leop.-Carol. Germ. Nat. Cur. 70(4): 243 (1898!). – Syn.: *Sphaerellothecium reticulatum* (Zopf) Etayo in Cryptogamie, Mycol. 29: 87 (2008).

Host: *Parmelia sulcata* (thallus)

Europe, **Switzerland**: Valais, Western Alps, Evolène, Les Haudères, Forêt de Tauge, 46°04'48''N / 07°30'58''E, *c*. 1500 m alt., CH: 605,102; coniferous forest with some scattered deciduous trees, on bark of *Acer pseudoplatanus*

Note: The type host of *Echinothecium reticulatum* is *Parmelia saxatilis*.

16. V. 2008 leg. P. Diederich (16754), det. P. Diederich

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

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65. ***Marchandiobasidium aurantiacum*** Diederich & Schultheis

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

Host: *Physcia tenella* (thallus)

Europe, **Luxembourg**: distr. Gutland, Sandweiler S of Luxembourg airport, near the cemetery, 49°37’12’’N / 06°13’09’’E, *c*. 360 m alt., IFBL: M8.17.32, UTM: KA.90; roadside trees, on bark of *Platanus* cult.

Note: *Physcia tenella* is the type host of the species.

27. IX. 2008 leg. P. Diederich (16778), det. P. Diederich

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

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

in Miscellanea lichenologica: 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**: Styria, Eastern Alps, Gurktaler Alpen, Grebenzen massif, near the village Zeutschach *c*. 5 km W above Neumarkt, Oberholz, SE above the farmhouse Wegscheider, 47°03’20’’N / 14°21’55’’E, *c*. 1100 m alt., GF 8952/1; on top of a large solitary boulder (palaeozoic phyllite) in a meadow, on bark of *Sorbus aucuparia*.

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

18. VI. 2003 leg. J. Hafellner (61400), det. J. Hafellner

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

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67. ***Phacopsis vulpina*** Tul.

in Ann. Sci. Nat., Bot., sér. 3, 17: 126 (1852).

Host: *Letharia vulpina* (thallus)

Europe, **Switzerland**: Valais, Western Alps, Saas Fee, 46°06'25''N / 07°55' 14''E, *c*. 1850 m alt.; subalpine larch forest, on bark of *Larix decidua*.

Note: *Letharia vulpina* is the type host of the species.

12. V. 2008 leg. P. Diederich (16764), det. P. Diederich

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

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68. ***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 Sylloge Lichenum Italicorum: 353 (1900).

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

Europe, **Austria**: Salzburg, Eastern Alps, Zillertaler Alpen, Wildgerlostal, by the road from Finkau to Trisslalm, 47°11'58''N / 12°06'37''E, *c*. 1445 m alt.; coniferous forest, on rotten stump of *Picea abies*.

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

Note 2: The coelomycete *Lichenosticta alcicornaria* (Linds.) D.Hawksw. is developed on several squamules of the primary thallus on the specimen in GZU and may also be present on the duplicates.

25. VII. 2008 leg. R. Türk (43805a) & H.S. Pfleger, det. J. Hafellner

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

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69. ***Plectocarpon peltigerae*** Zhurb., Ertz, Diederich & Miadl.

in Ertz et al., Bryologist 106: 465 (2003).

Host: *Peltigera leucophlebia* (thallus)

North America, **Canada**: British Columbia, Wells Gray Provincial Park, Spahats Falls, 51°44'N / 120°01'W, *c*. 700 m alt.; coniferous forest, on the ground.

Note: *Peltigera leucophlebia* is the type host of the species.

24. VII. 2008 leg. D. Ertz (12573) & P. Diederich, det. D. Ertz

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

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70. ***Stigmidium congestum*** (Körb.) Triebel

in Triebel et al., Mycotaxon 42: 290 (1991). – Bas.: *Pharcidia congesta* Körb. in Parerga Lichenologica: 470 (1865).

Host: *Lecanora chlarotera* (hymenia)

Europe, **Switzerland**: Valais, Evolène, Les Haudères, Forêt de Tauge, 46°04' 48''N / 07°30'58''E, *c*. 1500 m alt., CH: 605,102; coniferous forest with some scattered deciduous trees, on bark of *Acer pseudoplatanus*.

Note: *Lecanora chlarotera* (f. *rugosella*) is the type host of the species.

16. V. 2008 leg. P. Diederich (16751), det. P. Diederich

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

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71. ***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).

Host: *Candelariella vitellina* (thallus)

Europe, **Switzerland**: Kanton Graubünden, Western Alps, Urner Alps, Gotthard group, 6 km NE of Andermatt, Oberalppass, slightly S above the pass, 46° 39’20’’N / 08°40’15’’E, *c*. 2130 m alt.; outcrops of siliceous schist in alpine vegetation, on horizontal and inclined rock faces.

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

23. VIII. 2006 leg. W. Obermayer (11543), det. J. Hafellner

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72. ***Karschia talcophila*** (Ach.) Körb.

in Parerga Lichenologica: 460 (1865). – Bas.: *Lecidea talcophila* Acharius in Lichenographia Universalis: 183 (1810). – Syn.: *Buellia talcophila* (Ach.) Körb. in Systema Lichenum Germaniae: 230 (1855). – *Abrothallus talcophilus* (Ach.) A.Massal. in Miscellanea Lichenologica: 42 (1856).

Host: *Diploschistes scruposus* (thallus, apothecial margins)

Europe, **Switzerland**: Valais, Western Alps, Evolène, Les Haudères, Forêt de Tauge, 46°04’50’’N / 07°30’44’’E, *c*. 1480 m alt., CH: 605,102; on siliceous rock in a coniferous forest.

Note: *Diploschistes scruposus* is the type host of the species.

16. V. 2008 leg. P. Diederich (16749), det. P. Diederich

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

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73. ***Lichenoconium lecanorae*** (Jaap) D.Hawksw.

in Bull. Brit. Mus. (Nat. Hist.), Bot. 6(3): 270 (1979). – Bas.: *Coniosporium lecanorae* Jaap in Lindau, Verh. Bot. Ver. Prov. Brandenburg 47: 71 (1906).

Host: *Lecanora mughicola* (apothecia)

Europe, **Austria**: Styria, Eastern Alps, Steirisches Randgebirge, Stubalpe, massif of Ameringkogel E above the village Obdach, Weißenstein mountain, on the ridge exposed to the S above Melcheben, E of the refuge Weißensteinhütte, 47°03’35’’N / 14°48’05’’E, *c*. 1900 m alt., GF 8954/2; fence slightly above the treeline, on wood.

Note: The type host of *Lichenoconium lecanorae* was originally given as “*Lecanora subfusca*”. Hawksworth (l. c.: 269) has studied the holotype of *Coniosporium lecanorae* and has identified its host as *Lecanora chlarotera*.

3. IX. 2005 leg. J. Hafellner (65160) & A. Hafellner, det. J. Hafellner

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

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74. ***Reconditella physconiarum*** Hafellner & Matzer

in Matzer & Hafellner, Biblioth. Lichenol. 37: 47 (1990).

Host: *Physconia distorta* (thallus)

Europe, **Austria**: Styria, Eastern Alps, Niedere Tauern, Schladminger Tauern, Untertal S of the town Schladming, slightly W of the inn Tetter, 47°21’25’’N / 13°42’35’’E, *c*. 1020 m alt., GF 8648/1; row of trees at the edge of a pasture, on crown branches of *Fraxinus excelsior*.

Note: *Physconia distorta* is the type host of *Reconditella physconiarum*.

28. VIII. 2001 leg. J. Hafellner (56511), det. J. Hafellner

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

Hafellner J. 2009: Lichenicolous Biota (Nos 61–80). - Fritschiana 65: 33–46.

75. ***Sphaerellothecium cladoniae*** (Alstrup & Zhurb.) Hafellner

in Hafellner et al., Mitt. Naturwiss. Ver. Steiermark 134: 96 (2005). – Bas.: *Sphaerellothecium araneosum* var. *cladoniae* Alstrup & Zhurb. in Symb. Bot. Upsal. 34(1): 486 (2004).

Host: *Cladonia pyxidata* (thallus)

Europe, **Austria**: Styria, Eastern Alps, Ennstaler Alpen, Gesäuseberge E of the town Admont, Hochtor mountain, on the crest to the W slightly below the summit, 47°33’40’’N / 14°37’55’’E, *c*. 2330 m alt., GF 8453/2; limestone cliffs and fragments of alpine vegetation, in fissures filled with soil exposed to the N, 24. IX. 2005, leg. J. Hafellner

Note: The type host of *Sphaerellothecium cladoniae* is *Cladonia pocillum*.

24. IX. 2005 leg. J. Hafellner (64370), det. J. Hafellner

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

Hafellner J. 2009: Lichenicolous Biota (Nos 61–80). - Fritschiana 65: 33–46.

76. ***Sphaerellothecium parmeliae*** Diederich & Etayo

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

Host: *Parmelia saxatilis* (thallus)

Europe, **Austria**: Styria, Eastern Alps, Steirisches Randgebirge, Stubalpe, Größenberg S of the town Zeltweg, ridge to NW towards the village Eppenstein, Pichlmoarkogel, summit area, 47°06’10’’N / 14°46’10’’E, *c*. 1660 m alt., GF 8854/4; large boulders of mica schist in open *Larix-Picea*-forest, on steep rock faces exposed to the N.

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

18. VIII. 2005 leg. J. Hafellner (65800), det. J. Hafellner

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

Hafellner J. 2009: Lichenicolous Biota (Nos 61–80). - Fritschiana 65: 33–46.

77. ***Syzygospora physciacearum*** Diederich

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

Host: *Physcia stellaris* (thallus, apothecial margins)

Europe, **Austria**: Styria, Eastern Alps, Steirisches Randgebirge, Fischbacher Alpen, Feistritztal *c*. 2.5 km S of the town Birkfeld, on the orographically right bank of the river Feistritz, slightly above the confluence with the creek Gasenbach, 47°19'55''N / 15°41'45''E, *c*. 530 m alt., GF 8660/3; stripe of riparian forest, on twigs of *Fraxinus excelsior*.

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

25. XII. 2000 leg. J. Hafellner (53737), det. J. Hafellner

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

Hafellner J. 2009: Lichenicolous Biota (Nos 61–80). - Fritschiana 65: 33–46.

78. ***Tremella lichenicola*** Diederich

in Lejeunia 119: 2 (1986).

Host: *Mycoblastus fucatus* (thallus)

Europe, **Austria**: Styria, Eastern Alps, Steirisches Randgebirge, Gleinalpe S of the town St. Michael, in the Weitentalgraben SE of the village Hinterlobming, 47°16'20''N / 15°04'25''E, *c*. 1200 m alt., GF 8756/3; managed spruce forest with scattered deciduous trees close to a creek, on bark of *Fagus sylvatica*.

Note: The type host of *Tremella lichenicola* is *Mycoblastus sterilis,* which is regarded as a heterotypic synonym of *Mycoblastus fucatus*.

27. X. 2001 leg. J. Hafellner (57247), det. J. Hafellner

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

Hafellner J. 2009: Lichenicolous Biota (Nos 61–80). - Fritschiana 65: 33–46.

79. ***Tremella phaeophysciae*** Diederich & M.S.Christ.

in Diederich, Biblioth. Lichenol. 61: 142 (1996).

Host: *Phaeophyscia orbicularis* (thallus)

Europe, **Austria**: Carinthia, Eastern Alps, Steirisches Randgebirge, Koralpe, *c*. 15.5 km NE of the town Wolfsberg, along the road from the village Preitenegg to the pass Packsattel, near the farm Maxlhoisl, 46°56’55’’N / 14°58’10’’E, *c*. 1200 m alt., GF 9055/4; solitary trees and bushes at the edge of a meadow, on bark of *Sambucus nigra*.

Note: *Phaeophyscia orbicularis* is the type host of the species.

19. X. 2008 leg. J. Hafellner (72302), det. J. Hafellner

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

Hafellner J. 2009: Lichenicolous Biota (Nos 61–80). - Fritschiana 65: 33–46.

80. ***Vouauxiomyces santessonii*** D.Hawksw.

in Bull. Brit. Mus. (Nat. Hist.) Bot. 9(1): 69 (1981).

Host: *Platismatia glauca* (thallus)

Europe, **Austria**: Styria, Eastern Alps, Koralpe, ridge *c*. 6.5 km NW of the village St. Oswald ob Eibiswald, NW above the village St. Katharina in der Wiel, about halfway between the inns Jägerwirt and Wirtbartl, 46°44’35’’N / 15°04’ 30’’E, *c*. 1280 m alt., GF 9256/3; mixed forest rich in conifers on gentle slope exposed to the SW, on bark of *Picea abies*.

Note: *Platismatia glauca* is the type host of *Vouauxiomyces santessonii* which sometimes occurs together with *Abrothallus cetrariae* I.Kotte and therefore is likely to represent the anamorphic state of the latter fungus.

14. VIII. 2005 leg. J. Hafellner (70993), det. J. Hafellner

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

Taxon Synopsis:

Taxon **Exs. no.**

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* The nomenclature of the biogeographic units follows BRUMMITT, R.K. 2001: World Geographical Scheme for Recording Plant Distributions. Edition 2. - Pittsburg: Hunt Institute for Botanical Documentation Carnegie Mellon University.