Lichenicolous Biota (Nos 251–270)

Josef HAFELLNER*

HAFELLNER Josef 2017: Lichenicolous Biota (Nos 251–270). - Fritschiana (Graz) 86: 31–46. - ISSN 1024-0306.

Abstract: The 11th fascicle (20 numbers) of the exsiccata 'Lichenicolous Biota' is published. The issue contains material of 20 non-lichenized fungal taxa (16 teleomorphs of ascomycetes, 2 anamorphic states of ascomycetes, 2 basidiomycetes), including paratype material of *Tremella graphidis* Diederich et al. (no 269). Furthermore, collections of the type species of the following genera are distributed: *Abrothallus* (*A*. *bertianus*), *Lichenostigma* (*L*. *maureri*), *Phacopsis* (*P*. *vulpina*), *Skyttea* (*S*. *nitschkei*), and *Telogalla* (*T*. *olivieri*).

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Introduction

The exsiccata 'Lichenicolous Biota' is continued with fascicle 11 containing 20 numbers.

The exsiccata covers all lichenicolous biota, i.e., it is open not only 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], Saint Petersburg [LE], Munich [M], and Prague [PRM] (herbarium acronyms sec. HOLMGREN et al. 1990, continued and updated as electronic database by THIERS 2015 (onwards) and hosted at New York Botanical Garden http://sweetgum.nybg.org/science/ih/). Also in the future, it is planned to publish at least one fascicle per year, consisting of a variable number of decades.

The grid reference preceded by the abbreviation 'GF' refers to the grid used by the project 'Floristische Kartierung Mitteleuropas' (floristic mapping of Middle Europe, e.g. EHRENDORFER & HAMANN 1965).

For the 11th fascicle, I gratefully acknowledge the contribution of 6 collections by Paul DIEDERICH, 3 collections by Ralph COMMON, 2 collections each by Franz

BERGER, Derek PERŠOH, and Erich ZIMMERMANN, furthermore 1 collection each by Roger ROSENTRETER and Toby SPRIBILLE (together with Tim WHEELER).

In fieldwork I received support by Angela HAFELLNER.

Franz BERGER, Skytte CHRISTIANSEN, Paul DIEDERICH, Toby SPRIBILLE, and Erich ZIMMERMANN 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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251. ***Abrothallus bertianus*** de Not.

in *Abrothallus* Novum Lichenum Genus: [1] (1845) [preprint from: Memorie della Reale Accademia delle Scienze di Torino 10: 351 (1849)].

Host: *Melanelixia glabratula* (thallus)

Europe, **Germany**: Bayern (Bavaria), Eastern Alps, Ammergau Alps (Ammergebirge), c. 14.5 km SW of the village Oberammergau, NW base of Kreuzspitze, "Bei den sieben Quellen", 47°32'20''N / 10°54'00''E, *c*. 1080 m alt., mixed forest dominated by conifers, on bark of *Acer pseudoplatanus*.

Note 1: *Abrothallus bertianus* originally was described as a lichen. Santesson (Svensk Bot. Tidskr. 54: 513 f., 1960) restudied two isotypes in VER and RO and identified the host as *Melanelixia glabratula* (sub *Parmelia fuliginosa* var. *laetevirens*).

Note 2: In the distributed material the ascomata are accompanied by the *Vouauxiomyces* anamorph.

5. IX. 2004 leg. J. Hafellner (79672), det. J. Hafellner

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

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252. ***Bellemerella ritae*** Pérez-Ortega & T.Sprib.

in Nova Hedwigia 85(3-4): 516 (2007).

Host: *Xylographa soralifera* (thallus)

Northern America, **U.S.A.**: Montana, Lake Co., Mission Mountains, confluence of Middle Fork and South Fork of the Jocko River, 47°11'46''N / 113°50'48''W, c. 1230 m alt., in *Thuja plicata*-dominated mixed conifer forest, on log.

Note 1: The type host of *Bellemerella ritae* is an unnamed *Xylographa* species.

16. VI. 2015 leg. T. Spribille (40983) & T. Wheeler, det. T. Spribille

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

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253. ***Echinodiscus kozhevnikovii*** Zhurb.

in Opuscula Philolichenum 6: 96 (2009).

Host: *Cetraria islandica* (thallus)

Europe, **Switzerland**: Valais, Western Alps, Lepontine Alps, Furka Pass E above the village Gletsch, N-facing slopes S above the pass, 46°34’15’’N / 8°24’55’’E, *c*. 2450 m alt., alpine meadow over siliceous rocks, on the ground.

Note 1: *Cetraria islandica* is the type host of *Echinodiscus kozhevnikovii*.

2015 leg. E. Zimmermann (1248), det. E. Zimmermann

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

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254. ***Lichenostigma maureri*** Hafellner

in Herzogia 6: 301 (1982). – Syn.: *Phaeosporobolus usneae* D.Hawksw. & Hafellner in Nova Hedwigia 43: 526 (1986).

Host: *Letharia vulpina* (thallus)

Europe, **Switzerland**: Valais, Western Alps, Pennine Alps, surroundings of Zermatt, Stafelalp WSW above the village, 46°00’20’’N / 7°41’20’’E, *c*. 2180 m alt., subalpine *Larix decidua-Pinus cembra* forest, on bark of *Larix decidua*.

Note 1: The type host of *Lichenostigma maureri* was originally named *Usnea florida* but is likely to represent a morph of the *Usnea rigida-Usnea glauca* aggregate.

Note 2: The conspecifity of *Lichenostigma maureri* (teleomorphic state) and *Phaeosporobolus usneae* (anamorphic state) was established by Ertz et al., Fungal Diversity 66: 125–126 (2014).

3. VI. 2003 leg. D. Peršoh (s. n.), det. J. Hafellner

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

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255. ***Minutoexcipula mariana*** V.Atienza

in Bibliotheca Lichenologica 82: 142 (2002).

Host: *Pertusaria species* (thallus, ascomatal verrucae)

Europe, **Portugal**: Algarve, 3 km SW of Lagoa, E of Sesmarias, 37°06' 46''N / 08°28'44''W, *c*. 65 m alt., cultivated land with scattered trees, on branches of *Prunus amygdalus*.

Note 1: The type host of *Minutoexcipula mariana* is *Pertusaria heterochroa*.

Note 2: *Skyttea pertusariicola* is co-occurring on the material. Duplicates of that species are distributed under Lichenicolous Biota no. 266.

Note 3: On several *Pertusaria* thalli a co-occurring strain of *Muellerella lichenicola* was found. Some of these pieces were prepared a separate specimen (Diederich 17774e) preserved in GZU.

26. V. 2015 leg. P. Diederich (17774), det. P. Diederich

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

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256. ***Nectriopsis lecanodes*** (Ces.) Diederich & Schroers

in Sérusiaux et al., Lejeunia, n. s., 162: 56 (1999). – Bas.: *Sphaeria Nectria lecanodes* Ces. in Rabenhorst, Botanische Zeitung 15: 407 (1857); Rabenhorst, Herbarium Mycologicum, ed. 2, no. 525 (1863). – Syn.: *Nectria lecanodes* (Ces.) Fuckel in Jahrbücher des Nassauischen Vereins für Naturkunde 23–24: 178 (1870).

Host: *Peltigera praetextata* (thallus)

Europe, **Austria**: Oberösterreich (Upper Austria), Innviertel, SE of Kopfing, by the road to Rasdorf, 48°26'11.7''N / 13°39'57''E, *c*. 560 m alt., GF 7547/4, slope along a road exposed to the S, on soil.

Note 1: The type host of *Nectriopsis lecanodes* is *Peltigera canina*.

Note 2: The original spelling of the name is "*Sph*. *Nectria lecanodes* Ces. mss." From the previous page (p. 406) it is evident that "*Sph*." is an abbreviation of the generic name *Sphaeria*. Therefore the basionym is *Sphaeria lecanodes* and not *Nectria lecanodes* as often cited. The text of the protologue was reprinted together with the exsiccatum label, and there the entire text is signed by "Cesati", indicating that both name and validating description were contributed by Cesati. Therefore the correct citation of the author of the taxon is "Ces." (ICBN 46.2).

30. X. 2016 leg. F. Berger (31271), det. F. Berger

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

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257. ***Nectriopsis physciicola*** D.Hawksw. & Earl.-Benn.

in Earland-Bennett et al., Boletin de la Sociedad Micológica de Madrid 30: 245 (2006).

Host: *Physcia stellaris* (thallus, apothecia)

Europe, **Austria**: Tirol (Tyrol), Eastern Alps, Tux Alps, surroundings of Hintertux, at the end of the valley SW of the village, 47°06’25’’N / 11°40’25’’E, *c*. 1515 m alt., at the edge of a mixed coniferous forest, on twigs of *Larix decidua*.

Note 1: *Physcia stellaris* is the type host of *Nectriopsis physciicola*.

Note 2: An anamorphic state (*Acremonium*-type) with subspherical conidia and short conidiogenous cells is present on the duplicate in GZU.

Note 3: The fungus spreads also to other lichens growing nearby. Vouchers with *Melanohalea exasperatula* and *Polycauliona polycarpa* as hosts have been separately deposited in GZU.

29. X. 2014 leg. P. Diederich (17765), det. P. Diederich

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

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258. ***Phacopsis vulpina*** Tul.

in Annales des Sciences Naturelles, Botanique, sér. 3, 17: 126 (1852). – Syn.: *Agyrium vulpinum* (Tul.) H.Olivier in Bulletin de l’Académie Internationale de Géographie Botanique, sér. 3, 16: 196 (1906).

Host: *Letharia vulpina* (thallus)

Europe, **Switzerland**: canton Valais, Western Alps, Pennine Alps, surroundings of Zermatt, Stafelalp WSW above the village, 46°00’20’’N / 7°41’20’’E, *c*. 2180 m alt., subalpine *Larix-Pinus cembra* forest, on bark of *Larix decidua*.

Note 1: *Letharia vulpina* is the type host of *Phacopsis vulpina*.

Note 2: *Lichenostigma maureri* Hafellner has also been detected on many of the *Letharia* thalli. Duplicates of that species are distributed under Lichenicolous Biota no. 254.

3. VI. 2003 leg. D. Peršoh (s. n.), det. F. Berger

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

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259. ***Polycoccum pulvinatum*** (Eitner) R.Sant.

in Lichens and Lichenicolous Fungi of Sweden and Norway: 175 (1993). – Bas.: *Tichothecium pulvinatum* Eitner, Jahres-Bericht der Schlesischen Gesellschaft für Vaterländische Cultur 78: 26 (1901). – Syn.: *Polycoccum galligenum* Vězda, Česká Mykologie 23(2): 107 (1969).

Host: *Physcia caesia* (thallus)

Europe, **Austria**: Oberösterreich (Upper Austria), valley of the river Danube, Eferding distr., Hartkirchen, area of the railway station, 48°21’44,5’’N / 14°00’37,8’’E, *c*. 272 m alt., GF 7650/1, railway ballast, on granitic stones.

Note 1: The type host of *Polycoccum pulvinatum* is *Physcia stellaris*.

Note 2: The type host of the heterotypic synonym *Polycoccum galligenum* is *Physcia dubia*.

16. VII. 2017 leg. F. Berger (31583), det. F. Berger

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

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260. ***Vouauxiella lichenicola*** (Linds.) Petr. & Syd.

in Feddes Repertorium Specierum Novarum Regni Vegetabilis, Beiheft 42: 484 (1927). – Bas.: *Torula lichenicola* Linds. in Transactions of the Royal Society of Edinburgh 25: 515[!], 530 (1869). – Syn.: *Sirothecium lichenicolum* (Linds.) Keissl. in Österreichische Botanische Zeitschrift 60(2): 56 (1910).

Host: *Lecanora* spec. (thallus, apothecia)

Northern America, **U.S.A.**: Florida, Pasco Co., Zephyrhills, along Henry Avenue (Henry Drive), 28°14’54’’N / 82°10’44’’W, *c*. 25 m alt., row of trees along the street, on twigs fallen to the ground after strong wind.

Note 1: The type host of *Vouauxiella lichenicola* was originally named “*Lecanora subfusca*”.

Note 2: A lectotype originating from Scotland with *Lecanora chlarotera* as host was chosen by Hawksworth (Bulletin of the British Museum (Natural History), Botany series 6(3): 287, 1979).

30. XII. 2013 leg. R. Common (9573), det. P. Diederich

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

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261. ***Abrothallus parmeliarum*** (Sommerf.) Nyl.

in Bulletin de la Société Botanique de la Normandie, 2. sér., 3: 12 (1869). – Bas.: *Lecidea parmeliarum* („*parmeliorum*“) Sommerf. in Supplementum Florae Lapponicae: 176 (1826). – Syn.: *Buellia parmeliarum* (Sommerf.) Tuck. in Synopsis of the North American lichens Part 2: 106 (1888). – *Buelliella parmeliarum* (Sommerf.) Fink in Lichen Flora of the United States: 372 (1935).

Host: *Parmelia saxatilis* (thallus)

Northern America, **U.S.A.**: Idaho, Valley County, South Fork of Salmon River, 40 miles upstream from its confluence with the Main Salmon River, 44°57’ 00’’N / 115°32’42’’W, *c*. 1400 m alt. (4050 ft.); mixed open *Pinus ponderosa* – *Pseudotsuga menziesii* forest, on granitic rocks.

Note 1: Two species of *Parmelia* s. str. are mentioned in the protologue as host species, *Parmelia omphalodes* and *P*. *saxatilis*. A lectotype has not been designated so far.

2. VIII. 1984 leg. R. Rosentreter (3558), det. M. S. Christiansen

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

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262. ***Abrothallus pezizicola*** Diederich & R.C.Harris

in Diederich, Herzogia 16: 44 (2003).

Host: *Cladonia macroceras* (thallus)

Europe, **Austria**: Vorarlberg, Eastern Alps, Silvretta group, at the southern end of the Silvretta-Stausee S of the pass Bielerhöhe, near the (northern) bridge over the Klostertaler Bach, 46°53’55’’N / 10°05’05’’E, *c*. 2072 m alt., at a shady talus exposed to the N, on acidic soil between mosses.

Note 1: The type host of *Abrothallus pezizicola* is *Cladonia peziziformis*.

Note 2: On the distributed material the species grows together with *Lichenoconium pyxidatae* coll.

Summer 2015 leg. E. Zimmermann (1309), det. E. Zimmermann

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

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263. ***Dacampia engeliana*** (Saut.) A.Massal.

in Geneacaena Lichenum: 22 (1854) (as "*Dacampia Engeliam*"). – Bas.: *Sagedia engeliana* Saut. in Botanisches Centralblatt für Deutschland 20: 406 (1846). – Syn.: *Xenosphaeria engeliana* (Saut.) Trevis. in Conspectus Verrucarinarum: 18 (1860). – *Pleospora engeliana* (Saut.) G.Winter in Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, 2. Aufl., 1(2): 493 (1885). – *Polyblastia engeliana* (Saut.) H.Olivier in Bulletin de l'Académie Internationale de Géographie Botanique, sér. 3, 16: 258 (1906).

Host: *Solorina octospora* (thallus)

Europe, **Austria**: Kärnten (Carinthia), Eastern Alps, Gailtal Alps, Jaukenhöhe SE above Oberdrauburg, W ridge below Jaukenstöckl, 46°42'05''N / 13°03'00''E, *c*. 2000 m alt., GF 9244/3, on soil over limestone on a steep slope exposed to the N.

Note 1: The species was originally described as a lichen. Sauter did not recognize that the fungus forming the perithecioid ascomata is a lichenicolous ascomycete on a *Solorina* thallus.

Note 2: The name has been typified on the lichenicolous fungus by Hafellner (Fritschiana 76: 56, 2013).

16. VII. 1978 leg. J. Hafellner (3869), det. J. Hafellner

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

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264. ***Skyttea megalosporae*** Etayo & Diederich

in The Lichenologist 30(2): 113 (1998).

Host: *Megalospora tuberculosa* (thallus)

Europe, **France**: dépt. Pyrénées-Atlantiques, Sainte-Engrâce, along the road D113 towards the Col de la Pierre Saint-Martin, somewhat (SW) below the plateau d'Iratzordoky, 42°59'53''N / 0°46'47''W, *c*. 900–970 m alt., deciduous forest with some *Abies*, on bark of *Fagus sylvatica*.

Note 1: *Megalospora tuberculosa* is the type host of the species.

2. IX. 2015 leg. P. Diederich (18116), det. P. Diederich

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

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265. ***Skyttea nitschkei*** (Körb.) Sherwood, D.Hawksw. & Coppins

in Transactions of the British Mycological Society 75(3): 488 (1981). – Bas.: *Nesolechia nitschkei* Körb. in Parerga Lichenologica: 462 (1865). – Syn.: *Niptera nitschkei* (Körb.) Rehm in Rabenhorst's Kryptogamen-Flora von Deutschland, Österreich und der Schweiz, 2. Aufl., Bd. 1, Abt. 3: 561 (1891). – *Beloniella nitschkei* (Körb.) Rehm in Berichte der Bayerischen Botanischen Gesellschaft 13: 182 (1912). – *Rhymbocarpus nitschkei* (Körb.) Triebel in Bibliotheca Lichenologica 35: 144 (1989).

Host: *Thelotrema lepadinum* (thallus, apothecial margins)

Europe, **France**: dépt. Pyrénées-Atlantiques, Sainte-Engrâce, along the road D113 towards the Col de la Pierre Saint-Martin, somewhat (SW) below the plateau d'Iratzordoky, 42°59'53''N / 0°46'47''W, *c*. 900–970 m alt., deciduous forest with some *Abies*, on bark of *Fagus sylvatica*.

Note 1: *Thelotrema lepadinum* is the type host of the species.

2. IX. 2015 leg. P. Diederich (18117), det. P. Diederich

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

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266. ***Skyttea pertusariicola*** Diederich & Etayo

in Nash, T. H. III et al., Lichen Flora of the Greater Sonoran Desert Region 2: 694 (2004).

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

Europe, **Portugal**: Algarve, 3 km SW of Lagoa, E of Sesmarias, 37°06'46''N / 08°28'44''W, *c*. 65 m alt., cultivated land with scattered trees, on branches of *Prunus amygdalus*.

Note 1: The type host of *Skyttea pertusariicola* is an undetermined *Pertusaria* from California.

Note 2: *Minutoexcipula mariana* is co-occurring on the material. Duplicates of that species are distributed under Lichenicolous Biota no. 255.

26. V. 2015 leg. P. Diederich (17775), det. P. Diederich

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

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267. ***Sphaerellothecium parmeliae*** Diederich & Etayo

in Etayo & Diederich, The Lichenologist 30(2): 117 (1998).

Host: *Parmelia saxatilis* (thallus)

Europe, **France**: dépt. Pyrénées-Atlantiques, 22 km ESE of Saint-Jean-Pied-de-Port, W of the village Larrau near the chalets d'Iraty, 43°02'25''N / 01°01'35''W, *c*. 1350 m alt., beech forest, on bark of *Fagus sylvatica*.

Note 1: *Parmelia saxatilis* is the type host of the species.

1. IX. 2015 leg. P. Diederich (18099), det. P. Diederich

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

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268. ***Telogalla olivieri*** (Vouaux) Nik.Hoffm. & Hafellner

in Bibliotheca Lichenologica 77: 109 (2000). – Bas.: *Laestadia olivieri* Vouaux in Bulletin de la Société Mycologique de France 28: 216 (1912) nomen novum for *Verrucaria xanthoriae* Wedd. f. *megaspora* H.Olivier in Les principaux parasites de nos Lichens français. Premier supplément: 14 (1907).

Host: *Xanthoria parietina* (thallus)

Europe, **Austria**: Steiermark (Styria), Eastern Alps, Northern Limestone Alps, Mürzsteg Alps, Dobrein Graben *c*. 4.4 km W of the village Mürzsteg, at the confluence with the creek of the Buchalpengraben, 47°40'55''N / 15°26'05''E, *c*. 870 m alt., GF 8358/2, solitary trees and bushes near a farmhouse, on dead branches of *Sambucus nigra*.

Note 1: *Xanthoria parietina* is the type host of *Telogalla olivieri*.

21. IX. 2008 leg. J. Hafellner (83240) & A. Hafellner, det. J. Hafellner

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

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269. ***Tremella graphidis*** Diederich, Millanes, Wedin & Common
Paratype

in Ariyawansa et al., Fungal Diversity 75: 242 (2015).

Host: *Graphis caesiella* (apothecia)

Northern America, **U.S.A.**: Florida, Collier Co., Fakahatchee Strand State Preserve, trail starting from gate 7, 25°58’47’’N / 81°24’36’’W, *c*. 2 m alt., swamp forest, host thalli corticolous on branches of an unnamed tree.

Note 1: In the protologue two host species are mentioned, *Graphis assimilis* and *G*. *caesiella*.

Note 2: The species develops intrahymenial basidiomata and is therefore very inconspicuous on dried herbarium samples. Infections are indicated by somewhat widened discs of the lirelliform host apothecia.

10. XI. 2011 leg. R. Common (9370H), det. P. Diederich

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

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270. ***Tremella phaeographinae*** Diederich & Aptroot

in Diederich, Bibliotheca Lichenologica 61: 140 (1996).

Host: *Phaeographina* spec. (apothecia)

Northern America, **U.S.A.**: Florida, Hillsborough Co., Hillsborough River State Park, along the Florida Trail, 28°08’56’’N / 82°14’06’’W, *c*. 30 m alt., evergreen broad-leaved forest with many palms, host thalli corticolous on branches of an unnamed tree.

Note 1: The type host of *Tremella phaeographinae* is an undetermined *Phaeographina* occurring in Florida.

Note 2: The basidiomata of the distributed material are of rather pale colour.

15. IX. 2011 leg. R. Common (9481B), det. P. Diederich

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

Taxon Synopsis:

Taxon **Exs. no.**

Ascomycota

Arthoniomycetes
Lichenostigma maureri 254

Lecanoromycetes (incl. Ostropomycetidae)
Phacopsis vulpina 258

Leotiomycetes
Echinodiscus kozhevnikovii 253
Skyttea megalosporae 264
Skyttea nitschkei 265
Skyttea pertusariicola 266

Sordariomycetes (incl. Hypocreales)
Nectriopsis lecanodes 256
Nectriopsis physciicola 257

Eurotiomycetes (incl. Verrucariales and Mycocaliciales)
Bellemerella ritae 252
Telogalla olivieri 268

Dothideomycetes
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Coelomycetes
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Host Index:

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Cladonia macroceras	*Abrothallus pezizicola*	262
Graphis caesiella	*Tremella graphidis*	269
Lecanora spec.	*Vouauxiella lichenicola*	260
Letharia vulpina	*Lichenostigma maureri*	254
Letharia vulpina	*Phacopsis vulpina*	258
Megalospora tuberculosa	*Skyttea megalosporae*	264
Melanelixia glabratula	*Abrothallus bertianus*	251
Parmelia saxatilis	*Abrothallus parmeliarum*	261
Parmelia saxatilis	*Sphaerellothecium parmeliae*	267
Peltigera praetextata	*Nectriopsis lecanodes*	256
Pertusaria spec.	*Minutoexcipula mariana*	255
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Physcia caesia	*Polycoccum pulvinatum*	259
Physcia stellaris	*Nectriopsis physciicola*	257
Solorina octospora	*Dacampia engeliana*	263
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Germany	*Abrothallus bertianus*	251
France	*Skyttea megalosporae*	264
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Portugal	*Minutoexcipula mariana*	255
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8. SOUTHERN AMERICA		
9. ANTARCTIC		

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