

№ 11

Lindtneria leucobryophila

Figures 1–9

Thelephora leucobryophila Henn. 1898 [7 : XCVI] ≡ *Corticium leucobryophilum* (Henn.) Bourdot & Galzin 1928 [5 : 229] ≡ *Cristella leucobryophila* (Henn.) Parmasto 1965 [11 : 223] ≡ *Trechispora leucobryophila* (Henn.) Liberta 1966 [9 : 318] ≡ *Lindtneria leucobryophila* (Henn.) Jülich 1977 [8 : 418] ≡ *Mycolindtneria leucobryophila* (Henn.) Rauschert 1988 [14 : 53]

= *Sistotrema sulphureum* var. *varicolor* Bourdot & Galzin 1914 [4 : 274] teste Liberta [10], Boidin [2] ≡ *Sistotrema varicolor* (Bourdot & Galzin) Wakef. & A. Pearson 1920 [17 : 320] ≡ *Sulphurina varicolor* (Bourdot & Galzin) Pilát 1953 [13 : 109] ≡ *Phlebiella varicolor* (Bourdot & Galzin) Bondartsev & Singer 1953 [3 : 473] ≡ *Cristella varicolor* (Bourdot & Galzin) M.P. Christ. 1960 [6 : 97] ≡ *Trechispora varicolor* (Bourdot & Galzin) Liberta 1966 [9 : 319]

= *Hypochnus flavoaurantius* Traverso 1908 [15 : 553] teste Liberta [10]

= *Corticium petrophilum* var. *dispar* Bourdot & Galzin 1928 [5 : 230] teste Liberta [10]

= *Corticium petrophilum* Bourdot & Galzin 1928 [5 : 230] teste Liberta [10] ≡ *Phlebiella petrophila* (Bourdot & Galzin) Bondartsev & Singer 1953 [3 : 51] ≡ *Cristella petrophila* (Bourdot & Galzin) M.P. Christ. 1960 [6 : 98] ≡ *Trechispora petrophila* (Bourdot & Galzin) Liberta 1966 [9 : 319]

= *Lindtneria flava* Parmasto 1968 [12 : 408] teste Trichies [16] ≡ *Mycolindtneria flava* (Parmasto) Rauschert 1988 [14 : 54]

Basidiome effused, adherent to separable, hypochnoid to soft membranaceous, up to 0.3 mm thick, fragile when dry.

Hymenium varying between collections: smooth, finely tuberculate, colliculose, odontoid, raduloid, subporoid, hymenial surface somewhat furfuraceous to tomentose, whitish, cream, light yellowish, yellow, yellow-orange, sometimes with darker spots.

Subiculum araneose, concolorous or weakly darker than the hymenial

surface, whitish, yellowish, ochraceous.

Rhizomorphs present, often hidden in the substratum and subiculum, thin, branched, pubescent, light yellowish brown to yellow.

Hyphal system monomitic; all hyphae thin-walled and hyaline. Subhyphal hyphae slightly irregular, somewhat swollen, mostly fibulate, 3–6 (9) μm in diam.; subicular hyphae loosely interwoven, normally branched at right angles, regular, 3–5 μm in diam., mostly with simple septa but some fibulate septa always present.

Rhizomorphs frequent, thin, of two kinds: some up to 15 μm in diam., hyaline, build up by few 3–4 μm wide hyphae, often nodose-septate; some up to 100 (150) μm broad, made by sausage-cylindrical hyphae up to 35 μm in diam. surrounded by 3–5 (8) μm wide hyphae, mostly simple-septate or with some rare clamped septa, thin-walled; some hyphae at the surface may swell in a terminal or intercalary globose to ellipsoid cell 10–14 μm in diam.

Cystidia absent.

Basidia strictly clavate to subcylindrical, sometimes slightly constricted in the middle, 30–50 \times 7–10 μm ; 4 sterigmata up to 6.5 μm long.

Basidiospores obovoid to narrowly ellipsoid, tapering at the base, (5.5) 6–9.5 (10) \times 4–5.5 (6.5) μm , $Q = 1.2$ –2, wall almost smooth or with sparse aculei or tubercles to rough or irregularly aculeate-tuberculate, sometimes with crest-like projections, with thickening wall, hyaline, with a large guttula with oily yellowish content; apiculus prominent.

Chemical reactions: IKI–; CB: basidia with cyanophilous granulation; spores cyanophilous.

Incrustation: some hyphae on surface of rhizomorphs coarsely encrusted by hyaline very small granules.

Specimens examined

GERMANY — **Hessen** – NSG Kühkopf, Oberrheinebene, on wood of a lying, decayed trunk of *Prunus spinosa*, leg. H. Grosse-Brauckmann, 20.X.1980 (NEU JK 4610)

SWITZERLAND — **Neuchâtel** – Neuchâtel, Forêt de Champréveyres, on bark of a lying, decayed twig of a broadleaved tree, leg. J. Keller, 3.XI.1986 (NEU JK 4014) — **Ticino** – Brissago, Isole, on soil, leg. E. Zenone, 14.V.1987 (em-1209) – Casima, Cugnoli, on wood of a lying, decayed branch of *Carpinus betulus*, leg. F. Delmenico, 24.III.2007 (em-12456) – Caveragno, Faula, on soil under stones, leg. E. Martini, 5.I.2015 (em-12433) – Meride, Bolle, on bark of a lying, rather hard trunk of *Fraxinus excelsior*, leg. E. Martini, 13.X.2007 (em-10197) — **Zürich** – Zürich, Bot. Garten, on soil, leg. H. Gsell, 14.III.1988 (NEU JK 4387) – *ibid.*, on soil, leg. H. Gsell, 15.III.1989 (NEU JK 4440)

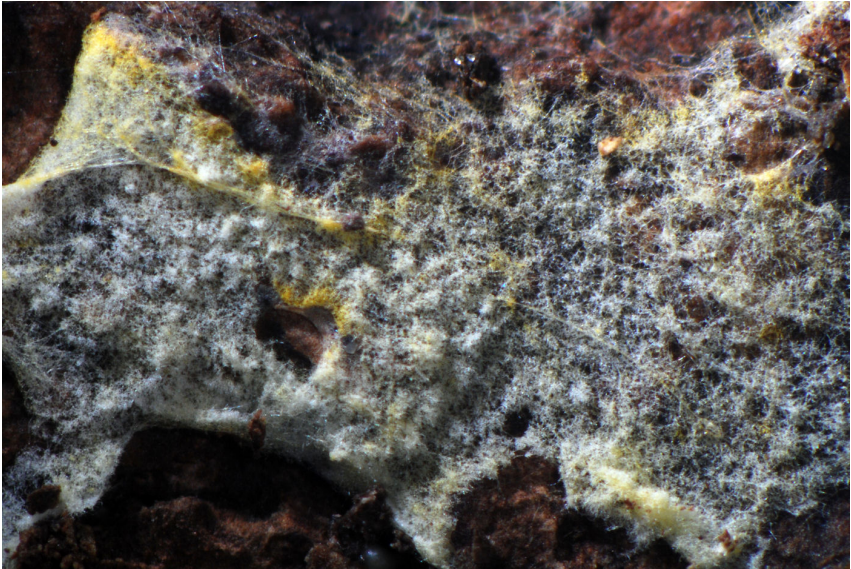


Fig. 1: Young, araneose basidiome. Image width = 21 mm [em-10197]

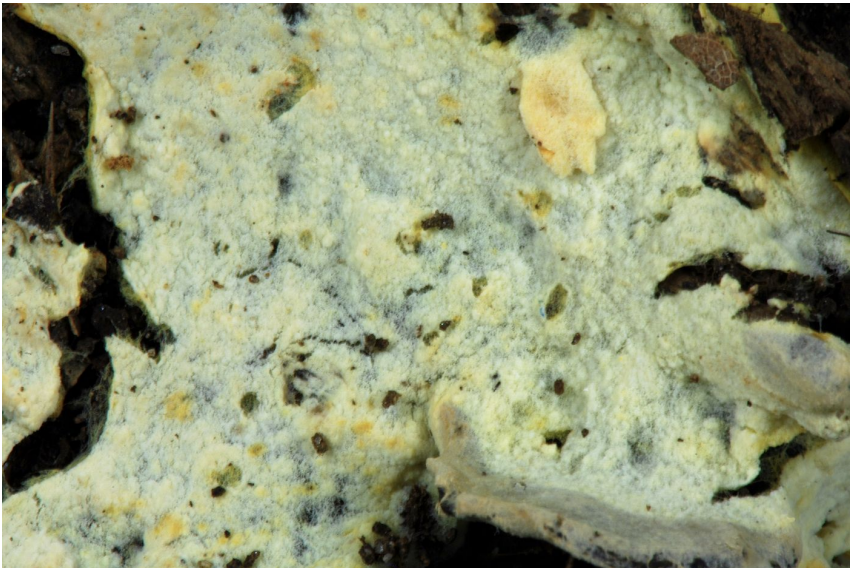


Fig. 2: Basidiome. Image width = 25 mm [em-12433]



Fig. 3: Detail of the hymenophore (and subiculum). Image width = 9 mm [em-12433]



Fig. 4: Detail of the hymenophore and margin. Image width = 9 mm [em-12433]

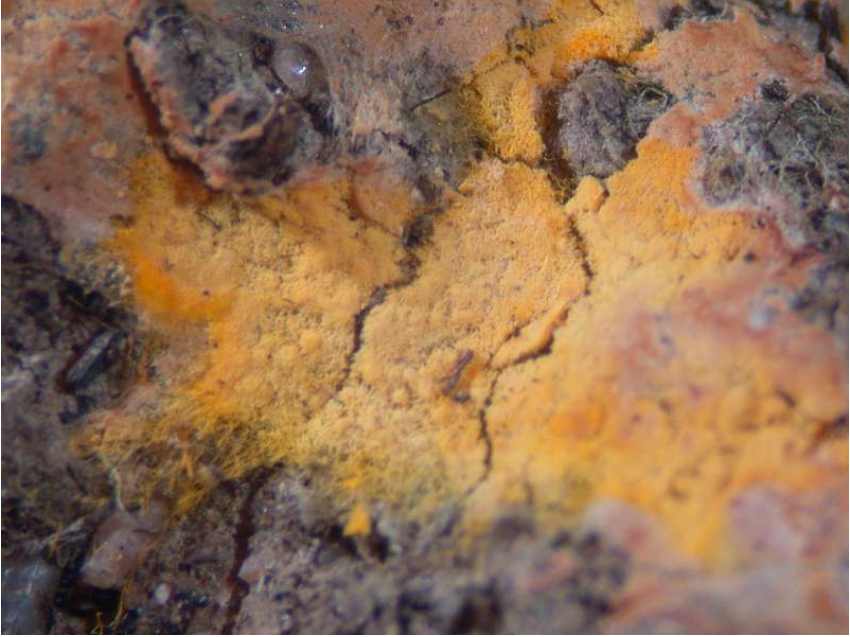


Fig. 5: Dried basidiome. Image width = 11 mm [NEU JK 4387]



Fig. 6: Dried basidiome [NEU JK 4387]

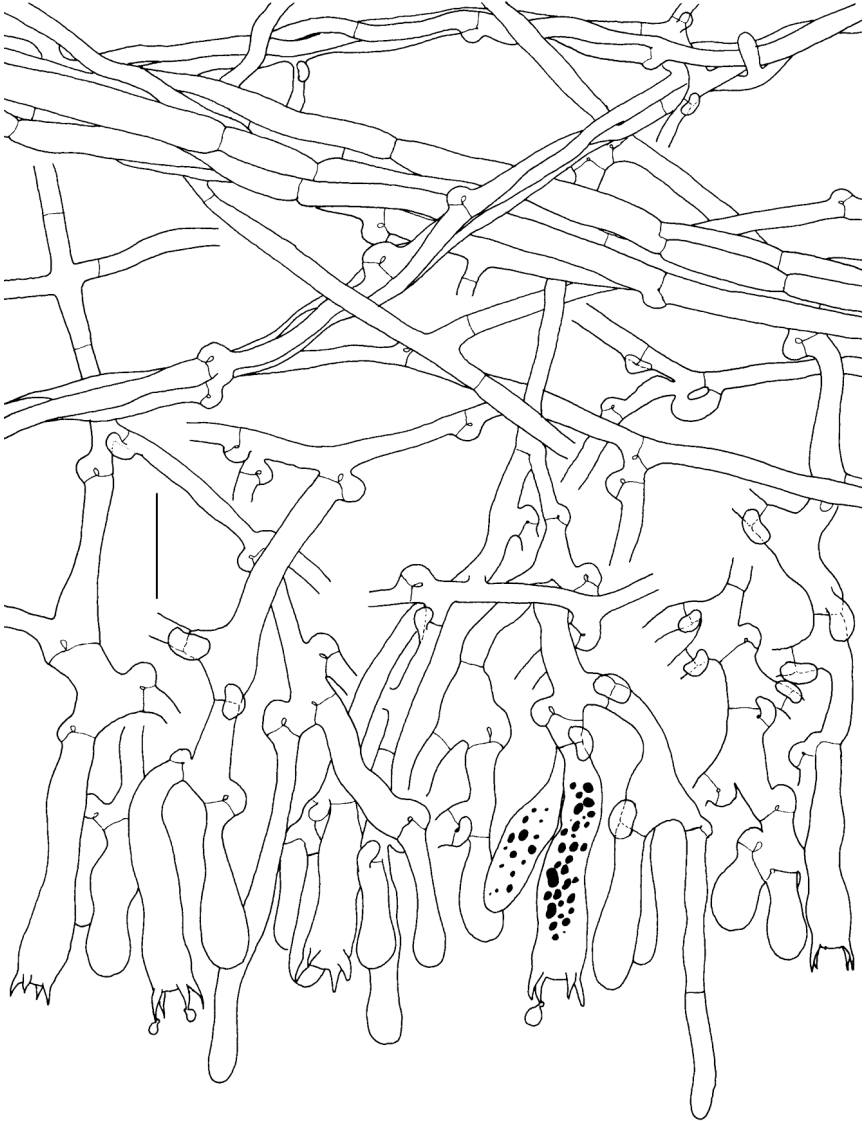


Fig. 7: Basidia, subhymental and subicular hyphae. Bar = 20 μ m [em-1209]

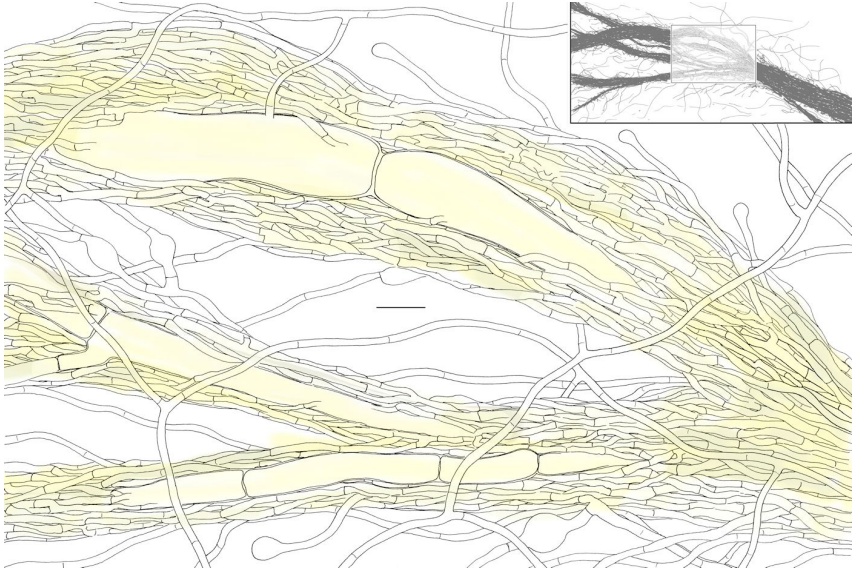


Fig. 8: Rhizomorphs. Bar = 20 μm [em-12433]



Fig. 9: Basidiospores. Bar = 10 μm [em-12433]

References

- [1] BERNICCHIA, A. AND GORJÓN, S.P. (2010). 'Corticaceae s. l.' *Fungi Europaei*, 12: 1008 p.
- [2] BOIDIN, J. (1988). 'Pour une lecture actualisée des 'Hyménomycètes de France' de Bourdot & Galzin'. *Bulletin de la Société Mycologique de France*, 104 (1): 1–40
- [3] BONDARTSEV, A.S. (1953). *Trutovye Griby Evropeyskoy Chasti SSSR i Kavkaza [The Polyporaceae of the European USSR and Caucasus]*. Moskva. 1106 p.
- [4] BOURDOT, H. AND GALZIN, A. (1914). 'Hyménomycètes de France, V. Hydnés'. *Bulletin de la Société Mycologique de France*, 30 (2): 243–280. URL: <http://www.biodiversitylibrary.org/item/106495#page/271>
- [5] BOURDOT, H. AND GALZIN, A. (1928). *Hyménomycètes de France*. Paris. 761 p. URL: <http://bibdigital.rjb.csic.es/ing/Libro.php?Libro=3448>
- [6] CHRISTIANSEN, M.P. (1960). 'Danish resupinate fungi, part II. Homobasidiomycetes'. *Dansk Botanisk Arkiv*, 19 (2): 60–388
- [7] HENNINGS, P. (1897). '[Über *Thelephora leucobryophila* P. Henn. n. sp.]' *Verhandlungen des Botanischen Vereins der Provinz Brandenburg*, 39: XCVI. URL: <http://www.biodiversitylibrary.org/item/105359#page/106>
- [8] JÜLICH, W. (1977). 'On two species of the genus *Trechispora* (Corticaceae)'. *Persoonia*, 9 (3): 417–418
- [9] LIBERTA, A.E. (1966). 'On *Trechispora*'. *Taxon*, 15 (8): 317–319. DOI: <http://dx.doi.org/10.2307/1216118>
- [10] LIBERTA, A.E. (1973). 'The genus *Trechispora* (Basidiomycetes, Corticaceae)'. *Canadian Journal of Botany*, 51 (10): 1871–1892. DOI: <http://dx.doi.org/10.1139/b73-240>
- [11] PARMASTO, E. (1965). 'Corticaceae U.R.S.S. I. Descriptiones taxorum novarum Combinationes novae'. *Eesti NSV Teaduste Akadeemia Toimetised. Bioloogiline seerie*, 14 (2): 220–233
- [12] PARMASTO, E. (1968). 'Corticaceae of USSR. VI. Subfamily *Botryohypocho-noideae*'. *Eesti NSV Teaduste Akadeemia Toimetised. Bioloogiline seerie*, 17 (4): 404–410
- [13] PILÁT, A. (1953). 'Hymenomycetes novi vel minus cogniti Cechoslovakiae, II'. *Acta Musei Nationalis Pragae, Series B, Historia naturalis*, 9 (2): 1–109. URL: <http://www.nm.cz/publikace/publikace-download.php?name=File1&dir=archiv&table=tabPublikaceArchiv&id=3584>
- [14] RAUSCHERT, S. (1988). 'Neue Namenskombinationen bei Höheren Pilzen'. *Haussknechtia*, 4: 51–55
- [15] SACCARDO, P.A. (1908). 'Notae mycologicae'. *Annales Mycologici*, 6 (6): 553–569, pl. 24. URL: <http://www.cybertruffle.org.uk/cyberliber/59685/index.htm>
- [16] TRICHIES, G. (1999). 'A propos des *Lindtneria* européens à spores fusiformes-ellipsoidales'. *Bulletin de la Société Mycologique de France*, 115 (1): 65–78
- [17] WAKEFIELD, E.M. AND PEARSON, A.A. (1919). 'Records of Surrey resupinate Hymenomycetes'. *Transactions of the British Mycological Society*, 6 (4): 317–321. DOI: [http://dx.doi.org/10.1016/S0007-1536\(17\)80049-8](http://dx.doi.org/10.1016/S0007-1536(17)80049-8). URL: <http://www.cybertruffle.org.uk/cyberliber/59351/index.htm>



Excerpts from *Crusts & Jells*

Descriptions and reports of resupinate Aphylophorales and Heterobasidiomycetes

Authored and published by

ELIA MARTINI
Via ai Ciòss 21
CH-6676 Bignasco
Switzerland

Email: emart@aphyllo.net
<http://www.aphyllo.net>



Issue № 11:

Lindtneria leucobryophila

Released on: 27th April, 2016

© E. Martini

This work is licensed under a [Creative Commons Attribution 4.0 International License \(CC BY 4.0\)](https://creativecommons.org/licenses/by/4.0/)

