

## № 17

*Plicatura nivea*

Figures 1–6

*Merulius niveus* Fr. 1828 [3 : 59] ≡ *Plicatura nivea* (Fr.) P. Karst. 1889 [6 : 342] ≡ *Sesia nivea* (Fr.) Kuntze 1891 [7 : 870]

= *Plicatura alni* Peck 1872 [9 : 76] teste Ginns [5] and auct. pl. ≡ *Trogia alni* (Peck) Peck 1878 [10 : 66]

= *Merulius rimosus* Berk. ex Cooke 1891 [1 : 108] teste Ginns [4]

= *Merulius petropolitanus* Fr. 1836 [12 : 319] teste Ginns [5] ≡ *Sesia petropolitana* (Fr.) P. Karst. 1891 [7 : 870]

= *Radulum cuneatum* Lloyd 1917 [8 : 2] teste Ginns [5]

**Basidiome** effused to reflexed or partly pileate, orbicular to confluent, soft membranous, lightweight and pliable when dry, up to 1.5 mm thick.

**Hymenophore** smooth to irregularly wrinkled or folded, folds irregularly branched, up to 0.5 (1) mm of height, white, turning yellowish with age or on drying.

**Hymenium** ceraceous or subceraceous, compact, distinct, up to 0.1 mm thick.

**Context** soft, fibrillose, rather spongy, white.

**Pileus** or reflexed parts up to 2–3 cm wide; surface smooth, somewhat tomentose, slightly to distinctly darker than the fertile surface, beige or buff to tan.

**Margin** of effused parts finely byssoid, rather abrupt, often detached from the substrate; of reflexed parts entire, smooth.

**Hyphal system** monomitic; all hyphae with fibulate primary septa. Subhymenial hyphae 2–3 µm wide, compactly arranged in a rather distinct subhymenium, thin-walled, hyaline. Context hyphae loosely arranged, regular, 3–6 (10) µm in diam., long-celled, with thin or slightly thickening wall, hyaline, progressively more compactly arranged and yellowish toward the pileal surface; clamps wide and often ansiform.



Fig. 1: Basidiome in situ. Image width = 10 cm [em-11279.1]

**Cystidia** lacking.

**Basidia** narrowly clavate,  $12\text{--}18 \times 3\text{--}4\ \mu\text{m}$ ; 4 sterigmata.

**Basidiospores** cylindrical in frontal view, allantoid or almost so in side view, from  $4\text{--}6\ (6.5) \times (1)\ 1.2\text{--}1.5\ \mu\text{m}$ , smooth, thin-walled.

**Chemical reactions:** CB–; IKI: spores weakly amyloid, sometimes the reaction is observable only where there are some superposed.

**Incrustation:** none or some irregularly prismatic hyaline crystals in context.

## Voucher specimens

SWITZERLAND — **Bern** – Rougemont, on bark of a branch of *Alnus viridis*, leg. I. Dunger, 18.IX.1992 (em-11916) — **Ticino** – Val Piora, Canariscio di Ritom, on bark of a hanging, rather hard branch of *Alnus viridis*, leg. E. Martini, 20.VIII.2010 (em-11202) – Val Piora, Larici di Campo, on bark of a lying, rather hard branch of *Alnus viridis*, leg. E. Martini, 16.X.2010 (em-11483) – Val Piora, Mottone, on bark of a hanging, rather hard branch of *Alnus viridis*, leg. E. Martini, 29.VIII.2010 (em-11251) – *ibid.*, on bark of a hanging, decayed branch of *Alnus viridis*, leg. E. Martini, 29.VIII.2010 (em-11279.1)



Fig. 2: Basidiome showing a slightly reflexed pileus. Image width = 57 mm  
[em-11251]



Fig. 3: Young basidiome with confluent orbicular patches. Image width = 30 mm  
[em-11202]



Fig. 4: Basidiome with irregularly plicate hymenophore. Image width = 22 mm [em-11202]

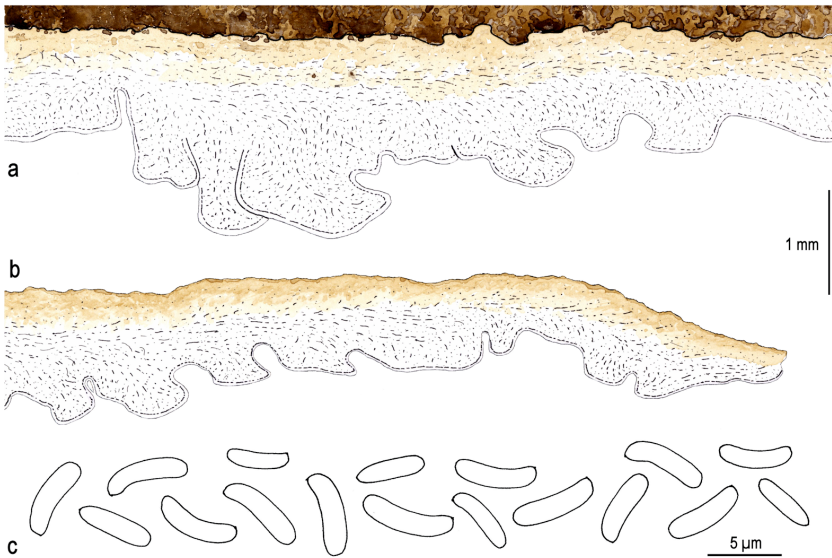


Fig. 5: a) Section of a resupinate basidiome; b) section of a reflexed part; c) basidiospores [em-11483]



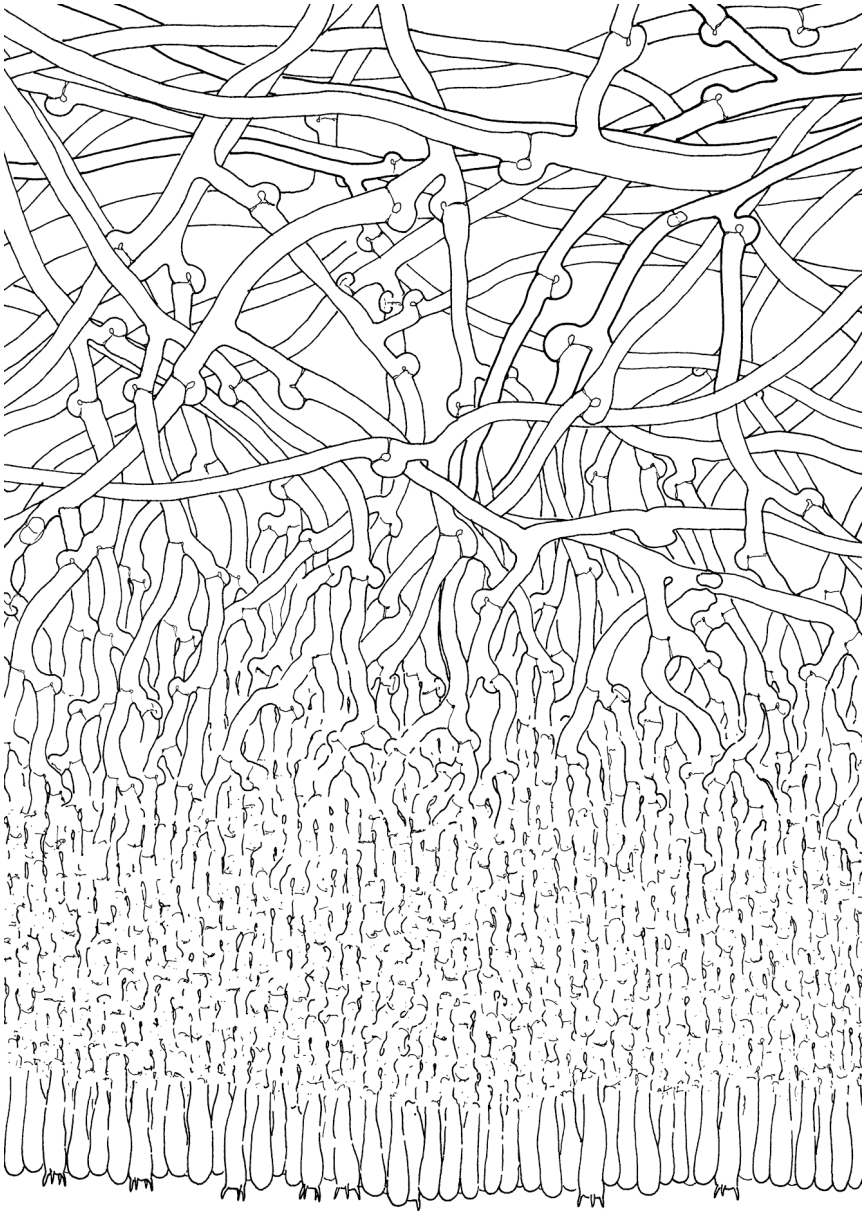


Fig. 6: Vertical section through the basidiome. Bar = 20  $\mu\text{m}$  [em-11483]

## References

- [1] COOKE, M.C. (1891). 'Additions to *Merulius*'. *Grevillea*, 19 (92): 108–109. URL: <http://www.cybertruffle.org.uk/cyberliber/59649/>
- [2] ERIKSSON, J., HJORTSTAM, K. AND RYVARDEN, L. (1981). *The Corticiaceae of North Europe, vol. 6: Phlebia - Sarcodontia*. Oslo, pp. 1051–1276
- [3] FRIES, E.M. (1828). *Elenchus fungorum : sistens commentarium in Systema mycologicum*. Gryphiswaldiae. 2 vol. (238, 154 p.) URL: <http://books.google.ch/books?id=t4eVR1SN1CAC>
- [4] GINNS, J.H. (1971). 'The genus *Merulius* IV. Species proposed by Berkeley, by Berkeley and Curtis, and by Berkeley and Broome'. *Mycologia*, 63 (2): 219–236. DOI: <http://dx.doi.org/10.2307/3757757>. URL: <http://www.cybertruffle.org.uk/cyberliber/59350/index.htm>
- [5] GINNS, J.H. (1976). '*Merulius*: s.s. and s.l., taxonomic disposition and identification of species'. *Canadian Journal of Botany*, 54 (1): 100–167. DOI: <http://dx.doi.org/10.1139/b76-014>
- [6] KARSTEN, P.A. (1889). 'Kritisk öfversigt af Finlands Basidsvampar'. *Bidrag till Kännedom av Finlands Natur och Folk*, 48: 1–470. URL: <http://www.biodiversitylibrary.org/item/31774#page/11/>
- [7] KUNTZE, C.E.O. (1891). *Revisio generum plantarum secundum leges nomenclaturae internationales..., pars II*. Leipzig. 1011 p. URL: <http://www.biodiversitylibrary.org/item/7554>
- [8] LLOYD, C.G. (1917). *The genus Radulum*. Cincinnati. 12 p. URL: <http://www.mykweb.com/systematics/literature/Lloyd%20Mycological%20Writings%20V5.pdf>
- [9] PECK, C.H. (1872). 'Report of the botanist (1870)'. *Annual Report of the New York State Museum of Natural History*, 24: 41–108. URL: <http://www.biodiversitylibrary.org/item/110209#page/55>
- [10] PECK, C.H. (1878). 'Report of the Botanist (1875)'. *Annual Report of the New York State Museum of Natural History*, 29: 29–82. URL: <http://www.biodiversitylibrary.org/item/110622#page/387>
- [11] RÖMER, N. AND MARTINI, E. (2012). 'Funghi Basidiomiceti (Basidiomycetes s.l.) della Val Piora (Cantone Ticino, Svizzera) con descrizione di due nuove specie per la Svizzera'. *Memorie della Società Ticinese di Scienze Naturali*, 11: 127–132. URL: [http://www.aphyllo.net/app/docs/Mem-Soc-tic-Sci-Nat\\_2012\\_11\\_127-132\\_ROMER\\_MARTINI\\_Piora.pdf](http://www.aphyllo.net/app/docs/Mem-Soc-tic-Sci-Nat_2012_11_127-132_ROMER_MARTINI_Piora.pdf)
- [12] WEINMANN, J.A. (1836). *Hymeno- et Gastro-Mycetes hucusque in imperio Ros-sico observatos*. St. Petersburg, pp. 1–676



# Excerpts from *Crusts & Jells*

Descriptions and reports of resupinate Aphyllophorales and Heterobasidiomycetes

Authored and published by

ELIA MARTINI  
Via ai Ciòss 21  
CH-6676 Bignasco  
Switzerland

Email: [emart@aphyllo.net](mailto:emart@aphyllo.net)  
<http://www.aphyllo.net>



Issue N° 17:

*Plicatura nivea*

Released on: 27<sup>th</sup> 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/)

