

Tomentella subalpina

M.J. Larsen

Figures 1–6

Tomentella subalpina M.J. Larsen 1972 [1 : 444] BPI!

Basidiome effused, up to 0.2 mm thick, adherent, becoming to separable when old and then loosely adherent, tufted and soft to slightly pelliculose and brittle: up to 0.2 (0.3) mm thick.

Hymenial surface mostly discontinuous, porulose to continuous and smooth, uniformly reddish brown, ferruginous (5–7.5YR 4/6).

Subiculum poorly developed, araneous to hypochnoid, concolor to slightly darker than the fertile surface (5–7.5 YR 4/4).

Margin fertile throughout, more or less indefinitely thinning out, concolor with the fertile area.

Rhizomorphs absent.

Hyphal system monomitric; all hyphae with fibulate primary septa.

Subicular hyphae sinuous, regular to faintly irregular, never distinctly swollen or torose, with relatively short cells and often branched, sometimes with secondary simple septa, 2–4 µm wide, normally branching close to the septa but sometimes also from clamps, with thickening to thick walls, some localized thickening present, yellow to light yellowish brown.

Subhymenial hyphae regular, 2–4 µm wide, thin-walled, soon with thickening wall, often branching from clamps, subhyaline or yellowish.

Cystidia absent.

Basidia subclavate to slightly utriform, 18–25×4–5.5 µm at top, 3–5 µm at the lower middle, subhyaline or with yellowish content; 4 sterigmata up to 3 (4) µm long and 0.5–1.2 µm at the base.

Basidiospores with regular outline; lateral face ellipsoid to broadly ellipsoid; frontal face broadly ellipsoid or subglobose; polar face globose, (4.0) 4.5–5.6 (6.0) µm long, (3.8) 4.0–4.9 (5.2) µm in side view, (4) 4.4–5.0 (5.4) µm in frontal view, $Q^1 = 1.08\text{--}1.25$ (1.30), $Q^2 = (1.00)$ 1.03–1.17

(1.23), minutely and bluntly echinulate, yellow to yellowish brown, sometimes becoming partly brownish, not or indistinctly guttulate; echinuli single, evenly distributed, 0.2–0.4 (0.6) μm long and 0.3–0.6 μm wide at the base, 9–15 on the spore outline.

Chlamydospores absent.

Incrustation: present in water mounts as scattered yellowish to reddish or reddish brown matter and granules in hymenium and sometimes adhering on subicular hyphae, dissolving in KOH mounts.

Chemical reactions:

IKI—.

KOH—.

CB: spores either with at least a thin wall layer cyanophilous or entirely acyanophilous; all thick walls acyanophilous, thin-walled elements doubtfully cyanophilous.

Specimens examined

CANADA — **Alberta** – Columbia Icefields, Jasper National Park, on wood of a coniferous tree, leg. M.J. Larsen, 13.VIII.1970, isotype of *Tomentella subalpina* M.J. Larsen (BPI 291308) – Meligne Canyon, on a coniferous tree, leg. R.J. Bandoni & S.J. Hughes, 29.VII.1960 (DAOM 73632)

Materials and methods

Specimens sampling and methodological details are described separately in this issue:

Excerpts from *Crusts & Fella*, n° 0

References

- [1] LARSEN, M.J. (1972). 'Notes on Tomentelloid fungi IV. *Tomentella subalpina*'. *Mycologia*, 64 (2): 443–446. DOI: [10.2307/3757853](https://doi.org/10.2307/3757853)
- [2] LARSEN, M.J. (1974). 'A contribution to the taxonomy of the genus *Tomentella*'. *Mycologia Memoirs*, 4: 1–145



Fig. 1: Basidiome; ex isotype of *Tomentella subalpina* M.J. Larsen. Bar = 5 mm [BPI 291308]



Fig. 2: Basidiome; ex isotype of *Tomentella subalpina* M.J. Larsen. Bar = 5 mm [BPI 291308]

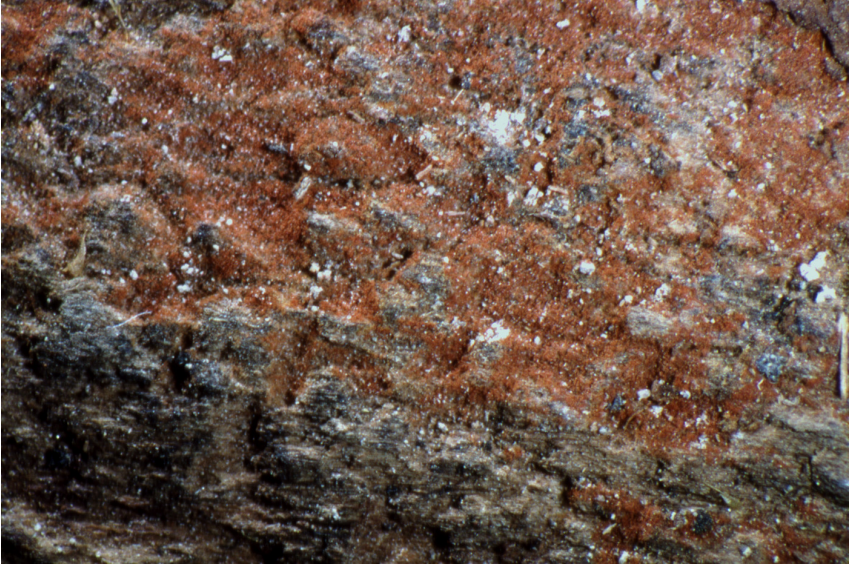


Fig. 3: Basidiome; ex isotype of *Tomentella subalpina* M.J. Larsen. Image width = 12 mm [BPI 291308]

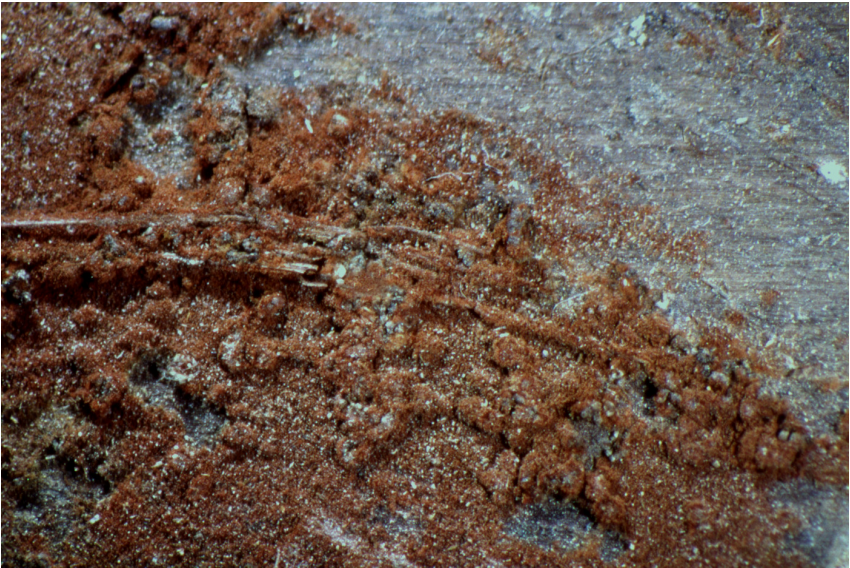


Fig. 4: Detail of the hymenophore and margin; ex isotype of *Tomentella subalpina* M.J. Larsen. Image width = 12 mm [BPI 291308]

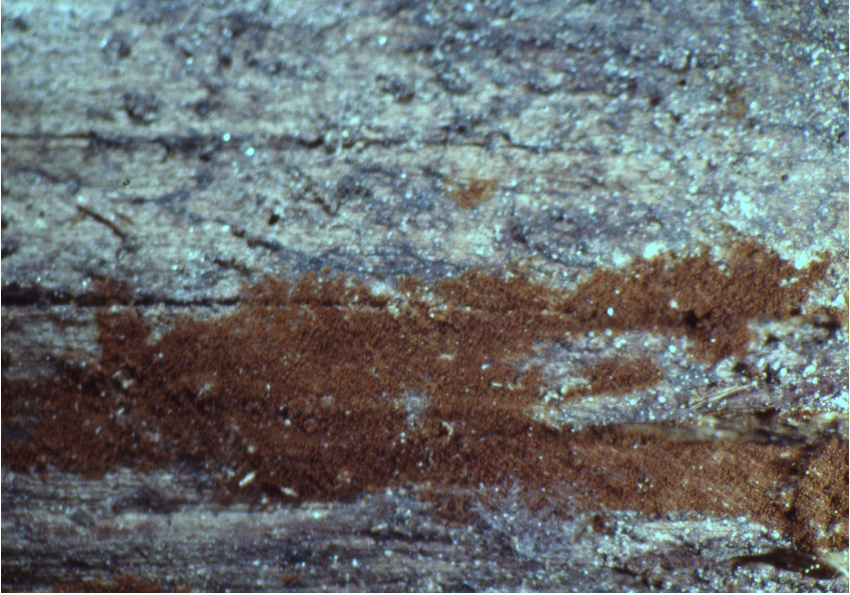


Fig. 5: Basidiome (dry). Image width = 12 mm [DAOM 73632]

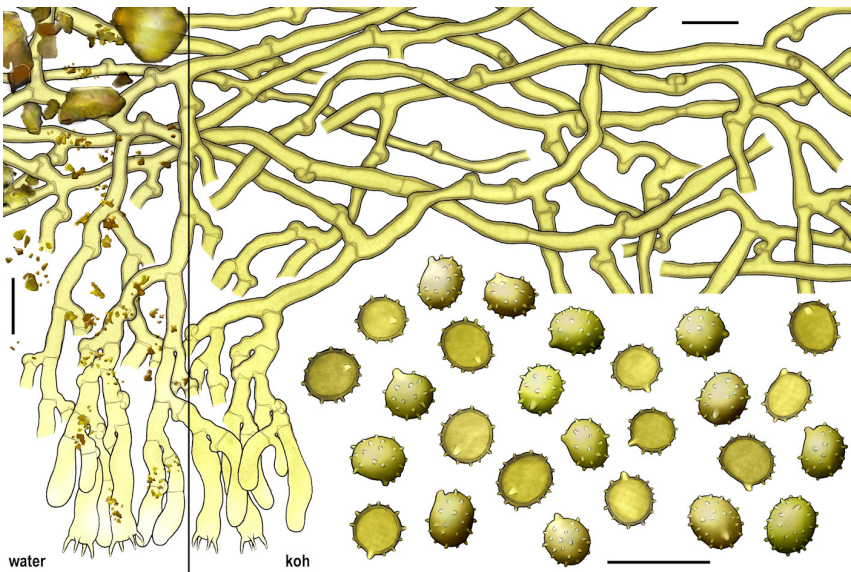


Fig. 6: Basidia, subhymenial and subicular hyphae, basidiospores; ex isotype of *Tomentella subalpina* M.J. Larsen. Bar = 10 μ m [BPI 291308]



Excerpts from *Crusts & Tells*

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
<https://www.aphyllo.net>
Orcid: 0000-0002-4709-2964



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