№ 114

Piloderma byssinum

(P. Karst.) Jülich

Figures 1–8

Lyomyces byssinus P. Karst. 1884 [6 : 137] ≡ *Corticium byssinum* (P. Karst.) Sacc. 1888 [11 : 614] ≡ *Tomentella byssina* (P. Karst.) P. Karst. 1889 [7 : 420] ≡ *Terana byssina* (P. Karst.) Kuntze 1891 [8 : 872] ≡ *Athelia byssina* (P. Karst.) Parmasto 1967 [10 : 380] ≡ *Piloderma byssinum* (P. Karst.) Jülich 1969 [4 : 418]

= *Piloderma byssinum var. minutum* Jülich 1972 [5 : 232]

Basidiome effused, separable, at first byssoid, pelliculose, then soft membranaceous; older parts may become adherent and overgrown by new ones, up to 0.5 (1) mm thick.
Hymenophore pruinose to smooth, sometimes irregularly granulose with sparse and very small warts, very thin, not separable from the subiculum, when young white to cream, becoming yellow, citrine, golden yellow or even ochraceous-orange when old.
Subiculum araneose, fibrillose, byssoid, fibrose, poorly to well developed, whitish or partly becoming yellowish or light ochraceous in older parts.
Margin thinning out, sterile, arachnoid to byssoid or fimbriate, sometimes becoming membranaceous and wrinkled or even rolling back on drying, whitish.
Rhizomorphs present but often obscure, in subiculum at the margin and on cracks of the substrate, soft, loose, byssoid, up to 0.1 (1) mm thick, whitish to light yellowish or very pale brown.

Hyphal system monomitic; all septa without clamps.
Subhymenial hyphae regular, 2–3 µm, soon relatively long-celled, thin-walled, in older parts assuming an ochraceous tint.
Subicular hyphae regular, 2–3 (4) µm, branched at wide angles, often with simple or septate anastomoses, with thin or slightly thickening wall, hyaline to light yellow, rarely with ochraceous content.
Rhizomorphs simple, built up by hyphae like the subicular ones running

side by side and kept together by frequent anastomoses.
Cystidia absent.
Basidia clavate, 10–18 (20)×4–5 µm, hyaline to subhyaline, with yellow-ochre content in old parts; 4 sterigmata up to 4 µm long.
Basidiospores subglobose to slightly obovoid, (2.7) 3–3.5 (4)×(2.2) 2.5–3 (3.5) µm, smooth, with thickening wall (0.3 µm), subhyaline to yellowish or ochraceous, 1-guttate.
Chemical reactions: IKI–; CB: hyphae and basidiospores cyanophilous.
Incrustation: subicular hyphae and outer hyphae of rhizomorphs coarsely to strongly encrusted by small (1-3 µm long) rod-like crystals disposed in all directions, normally slightly larger and mixed with some rhomboid or prismatic crystals sometimes with incised ends in subhymenium and hymenium.

Voucher specimens

FRANCE — **Aveyron** – Lapeyre, on bark of a lying, decayed twig of *Pinus sp.*, leg. E. Martini, 27.X.2004 (em-8494) – Longuiers, Causse-Noir, on wood of a lying, strongly decayed branch of *Pinus sp.*, leg. E. Martini, 9.XI.2008 (em-10696) – Millau, Le Cade, on bark of a lying, rather hard branch of *Juniperus communis*, leg. E. Martini, 8.XI.2008 (em-10704) — **Isère** – Autrans, Bois du Claret, on bark of a lying, decayed trunk of *Fagus sylvatica*, leg. E. Martini, 7.IX.2014 (em-12294) – Autrans, Gève, on bark of a lying, decayed branch of a coniferous tree, leg. E. Martini, 11.IX.2014 (em-12296) — **Jura** – Vicques, on wood of a lying, decayed trunk of a coniferous tree, leg. E. Martini, 30.IX.1993 (em-5390) — **Vendée** – Longeville, Les Conches, on bark of a lying, rather hard branch of *Pinus sp.*, leg. E. Martini, 31.X.1998 (em-6810)

GERMANY — **Rheinland-Pfalz** – Ludwigswinkel, reserve d'Adelsberg Lützelhard, on wood of a lying, decayed trunk of *Picea abies*, leg. E. Martini, 26.X.2009 (em-10959)

ITALY — **Trentino-Alto Adige** – Terzolas, Le Tovare (Val di Sole), on wood and bark of a lying, strongly decayed branch of a coniferous tree, leg. E. Martini, 18.IX.1997 (em-6205)

LIECHTENSTEIN – Balzers, Ellholz, on wood of a strongly decayed stump, leg. E. Martini, 4.X.1995 (em-5738)

SWITZERLAND — **St. Gallen** – Kengelbach, Brugglis, on bark of a lying, rather hard trunk of *Picea abies*, leg. E. Martini, 29.IX.2010 (em-11442) – Mogelsberg, Aach, on wood of a lying, strongly decayed trunk, leg. E. Martini, 27.IX.2010 (em-11425) — **Ticino** – Campo V.Maggia, Alpe di Sfii, on bark of a lying, decayed trunk of *Abies alba*, leg. E. Martini, 14.IX.2014 (em-12371) – Campo V.Maggia, Costa di Lagarèd, on bark of a lying, decayed branch of *Picea abies*, leg. E. Martini, 18.VIII.2017 (em-13140) – Cavergno, on wood of a decayed branch of a deciduous tree, leg. E. Martini, 19.VII.1986 (em-881) – Chironico, Motta di Gribbio, on wood of a lying, strongly decayed trunk of *Picea abies*, leg. E. Martini, 9.V.1987 (em-1013) – Fusio, Fontanalba, on wood and bark of a lying, decayed branch of a coniferous tree, leg. E. Martini, 5.XI.1984 (em-120) – Mondada, Gramusèd (Valle Bavona), on stems of ferns, leg. E. Martini, 14.XI.1992 (em-3298) – Olivone, Camperio, on wood and bark of a standing, decayed stump of *Picea abies*, leg. E. Martini, 31.VIII.1986 (em-650) – Olivone, Camperio, Gualdo Maggiore, on wood of a decayed stump of *Picea abies*, leg. E. Martini, 19.IX.1987 (em-1420) – Olivone, Campra, Cass, on bark of a lying branch of *Picea abies*, leg. E. Martini, 30.VIII.1986 (em-633)

Materials and methods

Specimens sampling and methodological details are described separately in this issue: Excerpts from Crusts & Jells, n° 0

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Fig. 1: Basidiome. Image width = 14 cm [em-13140]

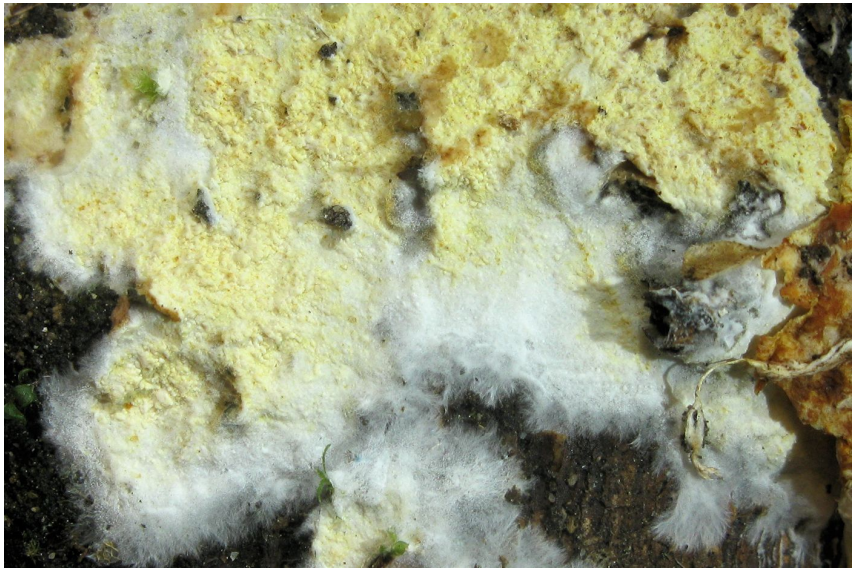

Fig. 2: Basidiome [em-12294]

Fig. 3: Detail of the hymenophore. Image width = 9 mm [em-633]

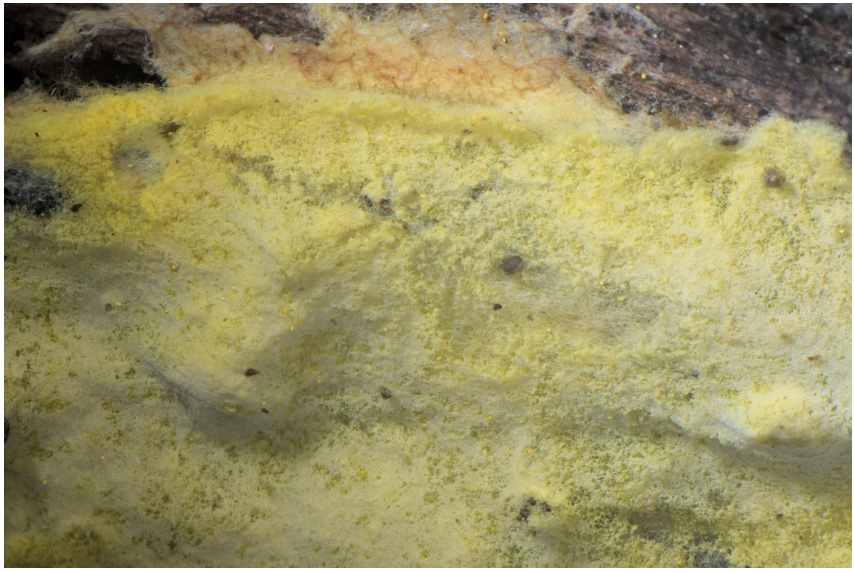

Fig. 4: Dried basidiome. Image width = 9 mm [em-13037]

Fig. 5: Hymenophore toward the margin. Image width = 9 mm [em-633]

Fig. 6: Detail of the basidiome at the margin with abrupt hymenophore and extending subiculum (with a large rhizomorph). Image width = 9 mm [em-633]

Fig. 7: Rhizomorph. Bar = 10 µm [em-3220]

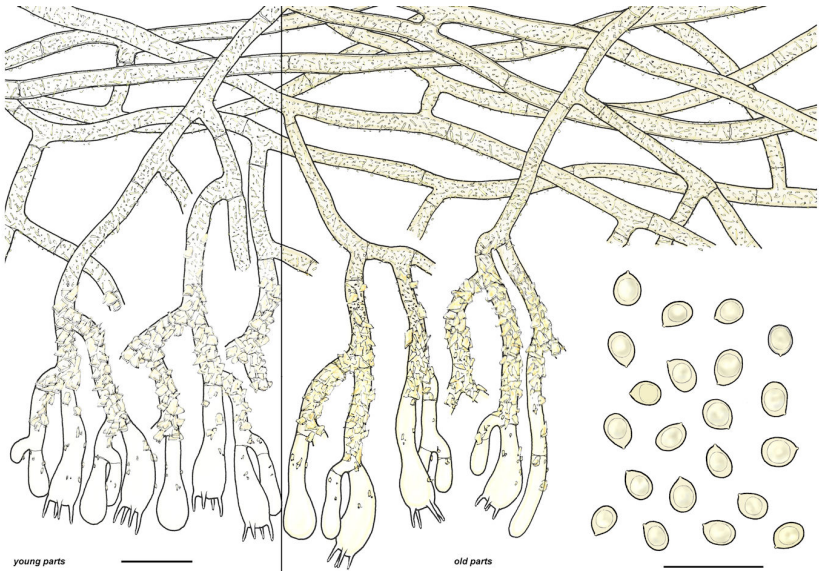

Fig. 8: Basidia, subhymenial and subicular hyphae (on the left: young parts of the basidiome; on the right: old parts), basidiospores (KOH mount). Bar = 10 µm [em-633]

Excerpts from *Crusts & Jells*
Descriptions and reports of resupinate Aphyllophorales and Heterobasidiomycetes

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