



1, Basidiome; 2, basidiospores; 3, basidia; 4, pileocystidia; 5, caulocystidia. 1 ca \times 1.5; 2-5, scale = $15\mu\text{m}$. All from DAOM 178075.

Pseudobaeospora pillodii (Quél.) S. Wasser, Flora Fungorum RSS Ucrainicae, Basid. Agar., Acad. Sci. RSS UCR., Kiev. p. 220. 1980.

≡ *Collybia pillodii* Quélet, C.R. Ass. franç. Av. Sci. (Paris, 1889) 18(2): 509. 1890.

= *Baeospora oligophylla* Singer, Rev. Mycol. N.S. 3: 194. 1938.

≡ *Pseudobaeospora oligophylla* (Singer) Singer, Lilloa 22: 438. 1951.

PILEUS: 3-6 mm wide, convex to subconical with a small umbo, dry, silky, opaque, livid vinaceous to lavender; context fleshy, concolorous; odor not distinctive. **LAMELLAE:** ascending adnixed, ventricose, moderately sized and spaced, greyish lavender; lamellulae in 1 tier. **STIPE:** 20-30 mm long, 0.2-0.5 mm wide, equal with a tapered radicating base, cartilaginous, dark purple to purple slate and sparsely covered with paler flecks. **PILEIPELLIS:** hyphae repent, thin-walled, sub-hyaline, smooth, simple-septate, 4.5-5 μm diam., with undifferentiated to scarcely differentiated apices, in some subcapitate or subcylindrical form. **PILEUS TRAMA:** duplex, with a well developed hypopellis of short, barrel-shaped cells, 8-20 μm diam., with purplish intraparietal, somewhat incrusting pigments which bleach in KOH sol., and a less pigmented regular trama of thin-walled, longer, parallel cells, 5-10 μm diam., all simple-septate. **LAMELLAR TRAMA:** hyphae parallel, similar to the lower pileus trama hyphae. **BASIDIA:** 15.5-18 \times 5.8-6.0 μm , 4-spored, clavate, simple-septate. **BASIDIOSPORES:** 3.5-4 \times 2.9-3.1 μm , broadly ellipsoid to subglobose, smooth with slightly thickened walls, appearing hyaline from lamellar mounts, with purplish walls when deposited on the pileus or stipe, a few dextrinoid before or after clearing by alkaline solutions, usually uniguttulate. **STIPE:** hyphae parallel, thin to pronounced walls, pigmented as in the pileus hypopellis, 2-3 μm diam. on the exterior, up to 13 μm diam. in the interior, bearing scattered loose ropes of hyphae and, near the apex, clusters of caulocystidia. **CAULOCYSTIDIA:** 25-35 \times 9.5-10 μm , fusoid to clavate, sometimes constricted centrally, thin-walled, collapsing readily, subhyaline.

SUBSTRATE: rooting in loamy soil under a mature Columbian Valley bottom forest of *Tsuga heterophylla* (Raf.) Sarg., *Thuja plicata* Donn., *Oplopanax horridus* (Sm.) Miq. and *Athyrium felix-femina* (L.) Roth.

DISTRIBUTION: British Columbia.

COLLECTION: B.C.: Glacier Natl. Park, Columbia Mts., Beaver R. valley near Hwy. 1, 11.IX.1980, DAOM 178075 (S.A.R. 3610).

NOTES: This species has not been reported previously from Canada. It is a montane species known from the Alps and Jura Mts. in France and Switzerland and the Altai mountains of the U.S.S.R. (Quélet, loc. cit.; Kühner & Romagnesi, Bull. Soc. Nat. d'Oyonnax 8: 92-95. 1954; Singer, 1938, loc. cit.; Horak, Rev. Mycol. N.S. 19: 74-76. 1964, Beitr. Kryptogamenflora Schweiz 13: 511-513. 1968; Favre, Rés. rech. sci. entreprises Parc Nat. Suisse 6 N.F.: 404-405. 1960; Wasser, 1980, loc. cit.).

Evidently poor development of the caulocystidia and intermixing with the nyphal strands has resulted in conflicting reports about their existence or differentiation. Kühner & Romagnesi (loc. cit.) were the

only authors to comment on the pigmentation of the spores when deposited on the pileus surface. Their description of basidiomes from France, except for the 2-spored basidia, matches that drawn from the North American collection.

Singer (1938, loc. cit.) hesitated to use the name *C. pillodii* because of the lack of information about the spore walls. This information is available from additional French collections and there appears to be no reason to keep the names separate.

When Singer proposed the new genus *Pseudobaeospora* based on *B. oligophylla* (Lloydia 5: 129, 1942) he did not formally make the new combination in *Pseudobaeospora*. This was done later (1951, loc. cit.). Horak (1964, loc. cit.) proposed the combination *P. pillodii* but did not provide a full citation including page number, hence its validation by Wasser.

S.A. Redhead