Rosellinia communis L.E. Petrini with Geniculosporium anamorph AEB 1340 (= PDD 117256) – a good fit

Collection date: 14 April 2021

Collection site: Remutaka Forest Park – Orongorongo Track

Substrate: soft decayed dead wood

Collector: Ann Bell; Identifiers: Dan Mahoney & Ann Bell

<u>Voucher material</u>: dried herbarium specimen AEB 1340 (= PDD 117256) accompanied by a Shear's mounting fluid (SMF) semi-permanent slide mount; Dan's in-situ dissecting scope digitized photos and his compound scope digital photos of microscopic detail; Dan's brief description.

Brief descriptions:

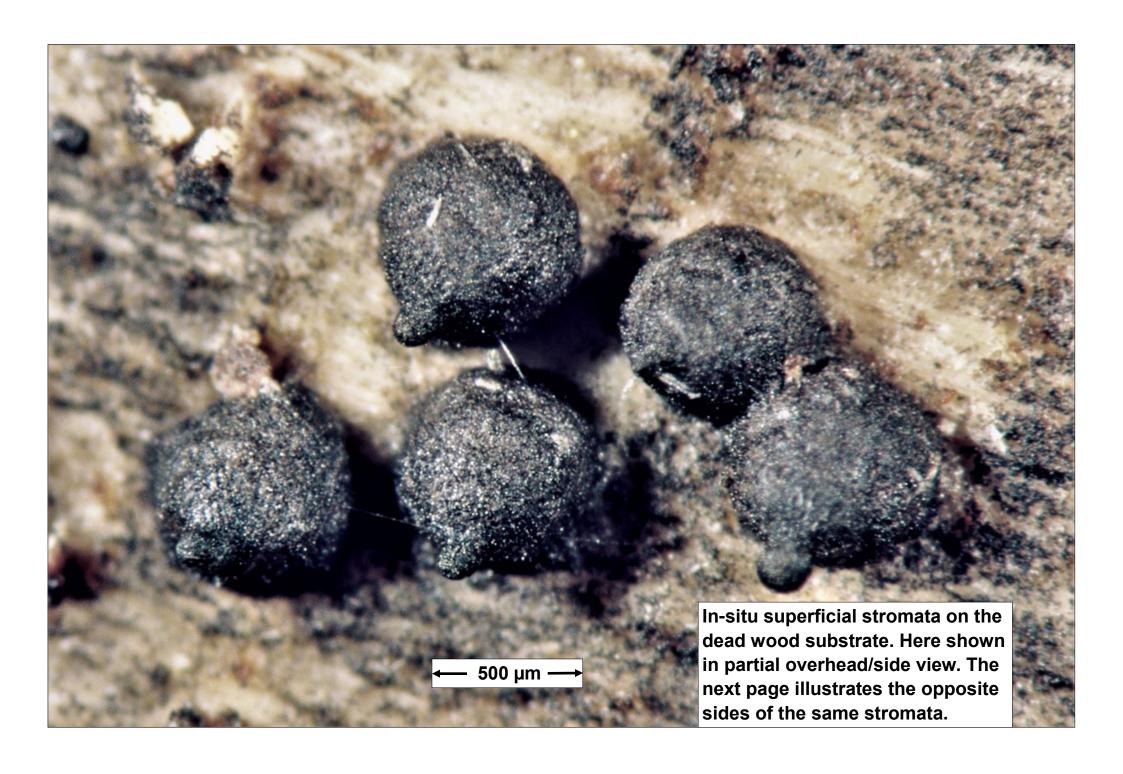
Teleomorph: Stromata (uniperitheciate) superficial on the wood and emerging through the bark, blackish, broadly conical with concentric rings and a short papillate apex, older and lacking any whitish subiculum. **Paraphyses** numerous, longer than the asci, simple, septate and tapering toward their apices. **Asci** cylindrical with a medium-length stipe and a Melzer's positive blue apical ring. **Ascospores** 8, arranged uniseriately to uniseriately overlapping, inequilateral (plano-convex) in one view and symmetrical (ellipsoidal-fusoid) in the other, dark brown; with a straight germ slit stretching the entire length of the spore, mostly $15-19 \times 8-9 \mu m$.

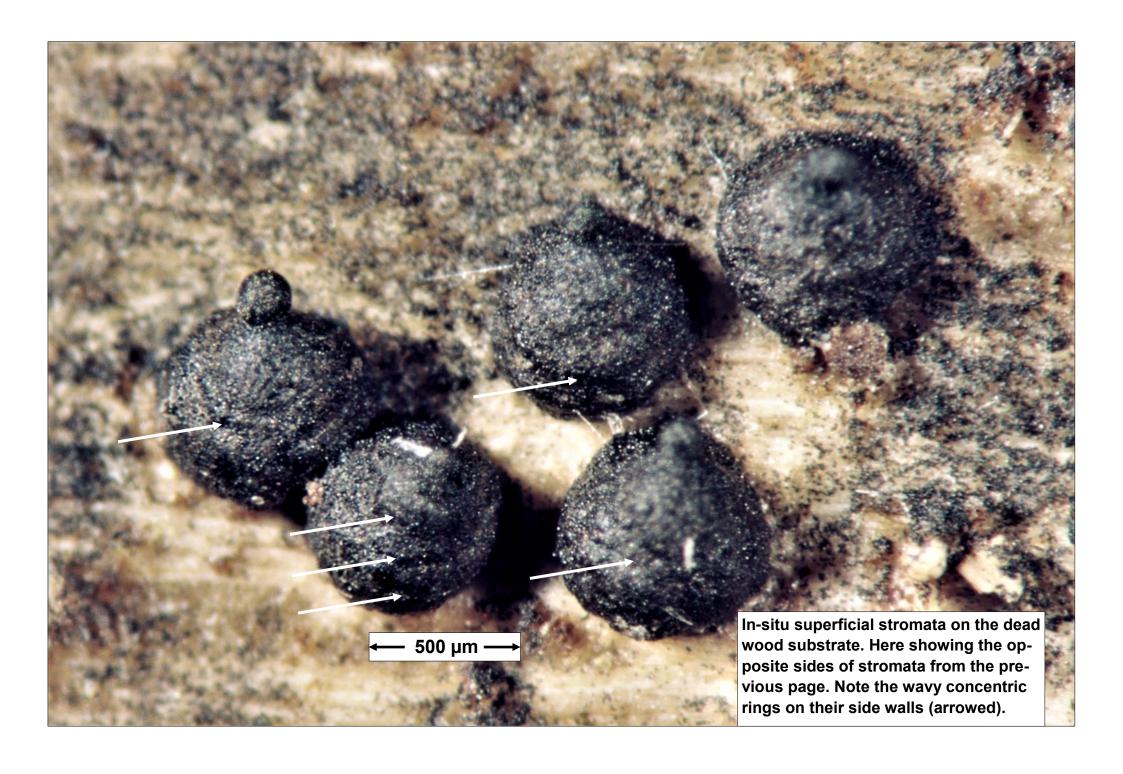
Anamorph (*Geniculosporium*): Forming grey 3-D thickets on the surface of some stromata. **Sporogenous** areas at the apices of the numerous, dichotomously or irregularly branching conidiophores – these forming short to longish sympodially extending areas with dry conidia produced singly (and over time scattered in a geniculate fashion), visible after conidial detachment by a small circular scar in face view and the short wall edges of the central protoplasmic channel in side view. **Conidia** obovoid, hyaline, smooth, one-celled, with a basal scar similar to side views of detachment scars on the sporogenous areas, mostly 3 × 2 µm.

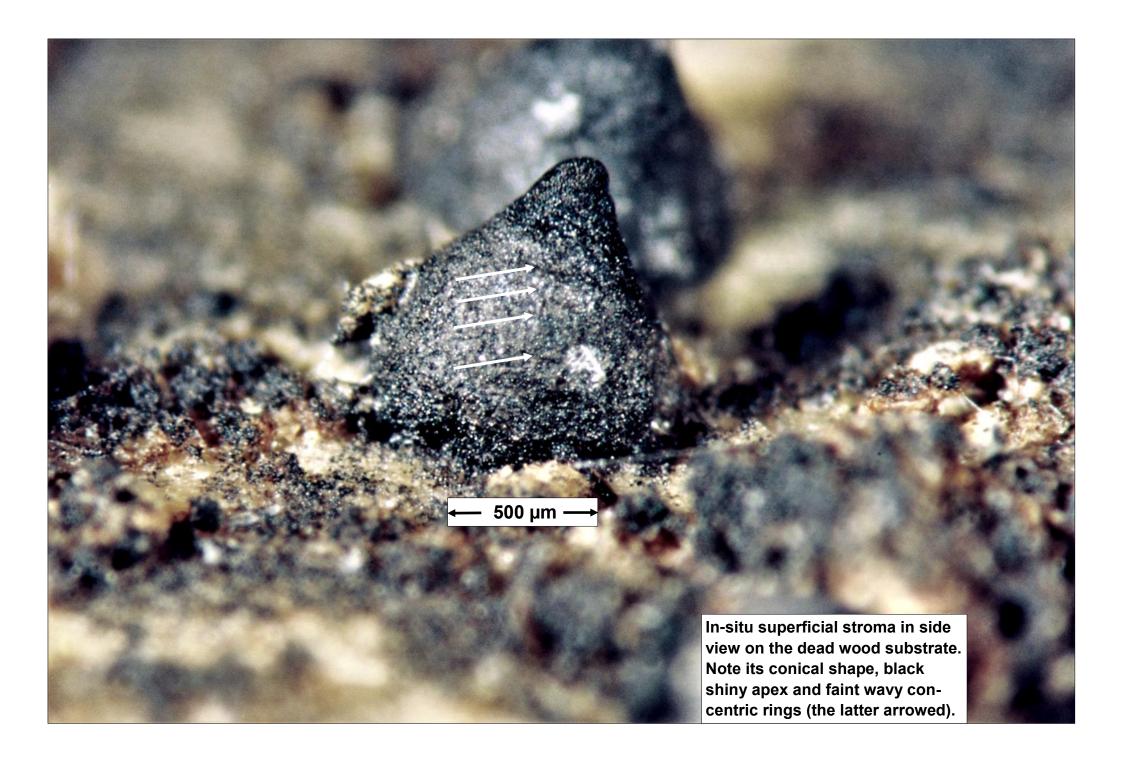
<u>Primary reference:</u> Petrini, L.E. 2003. *Rosellinia* and related genera in New Zealand. New Zealand Journal of Botany 41: 71–138.

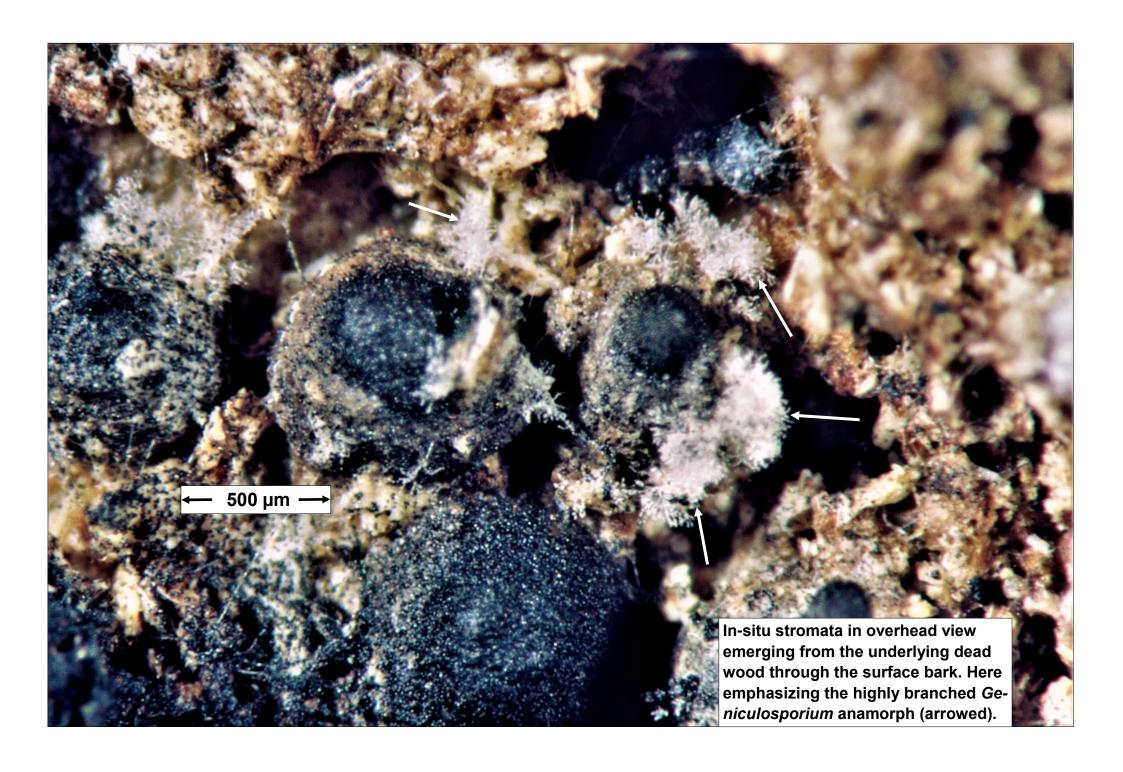
Other AEB collections of Rosellinia communis online at the PDD website:

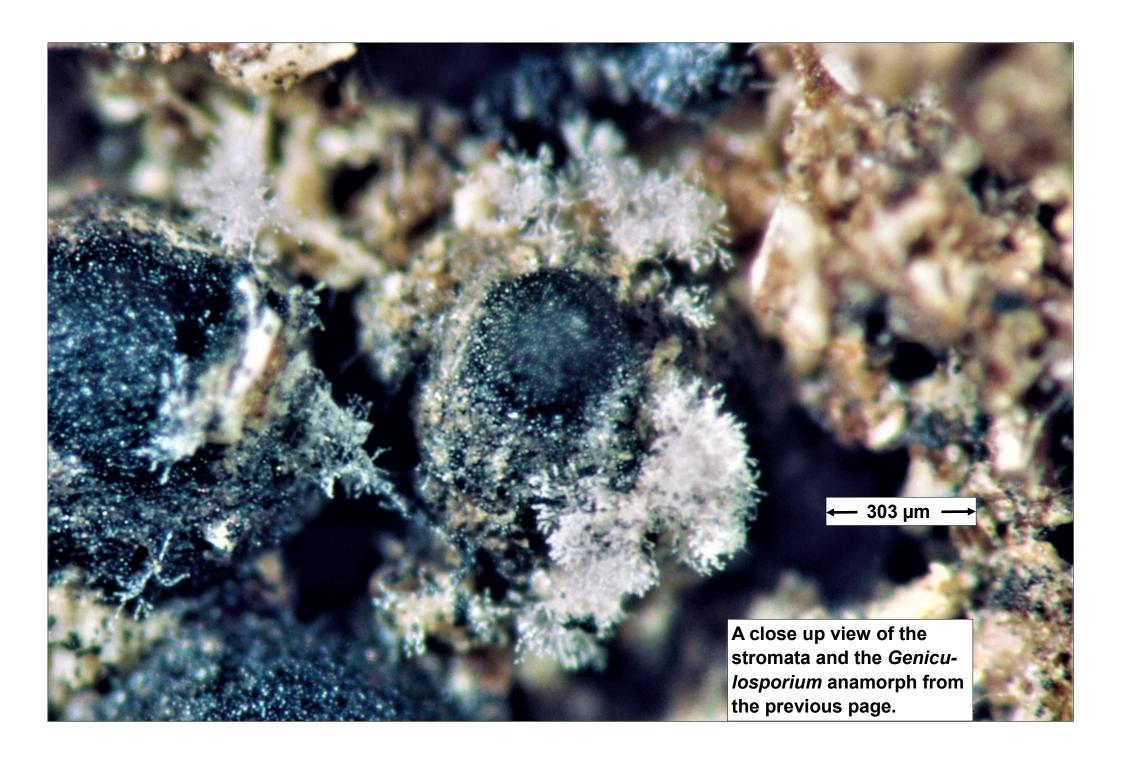
AEB 880 (= PDD 82102), **AEB 972** (= PDD 92314), **AEB 1181** (= PDD 102623), **AEB 1227** (= PDD 110469), **AEB 1238** (= PDD 110480), **AEB 1313** (= PDD 117242), **1325** (= PDD 117243) and **AEB 1335** (= PDD 118710) – the latter also reported under *Vermiculariopsiella immersa* **AEB 1335** (= PDD 117241).

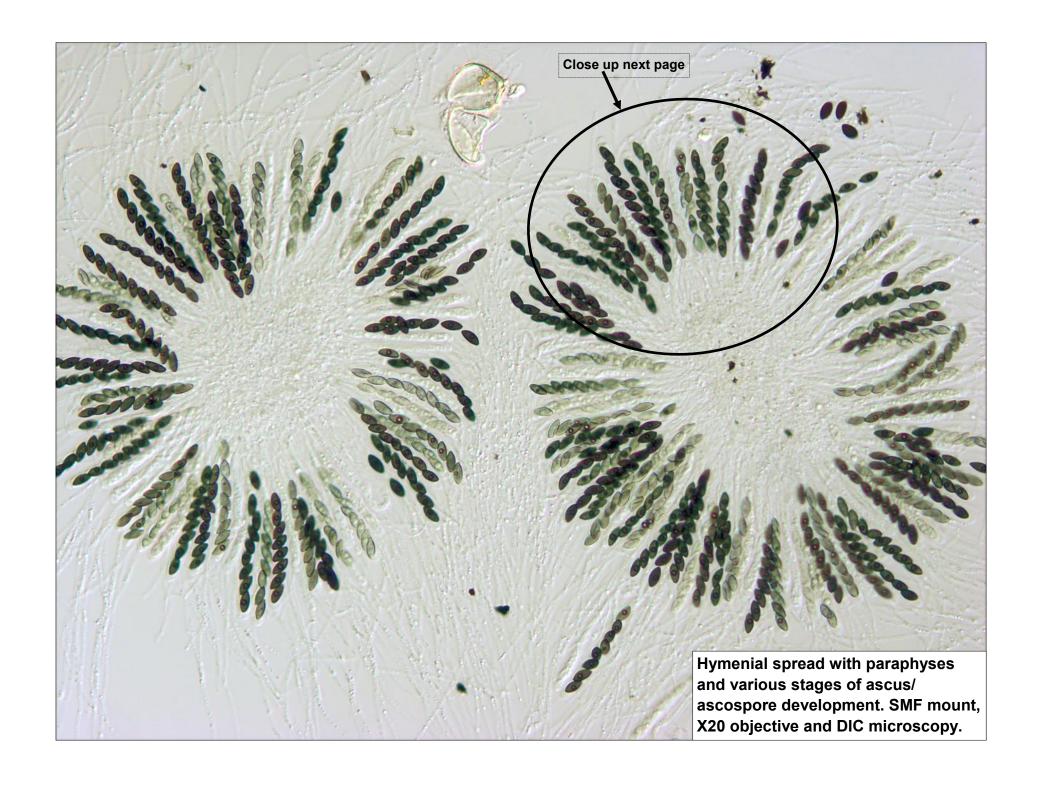


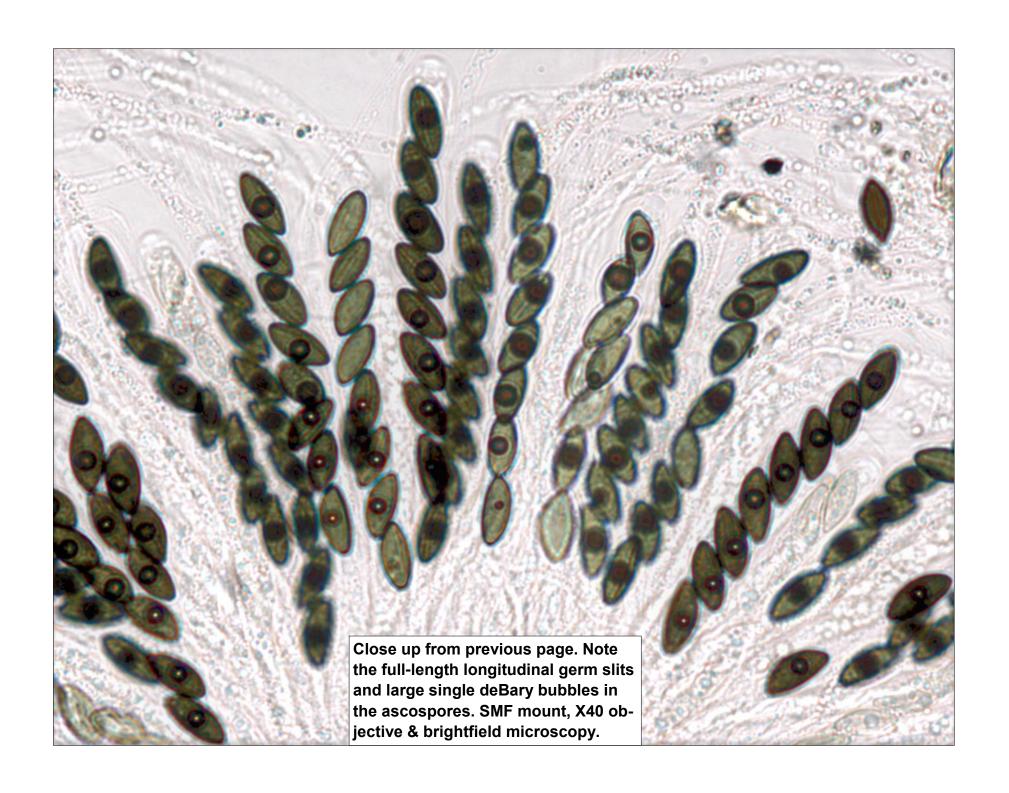




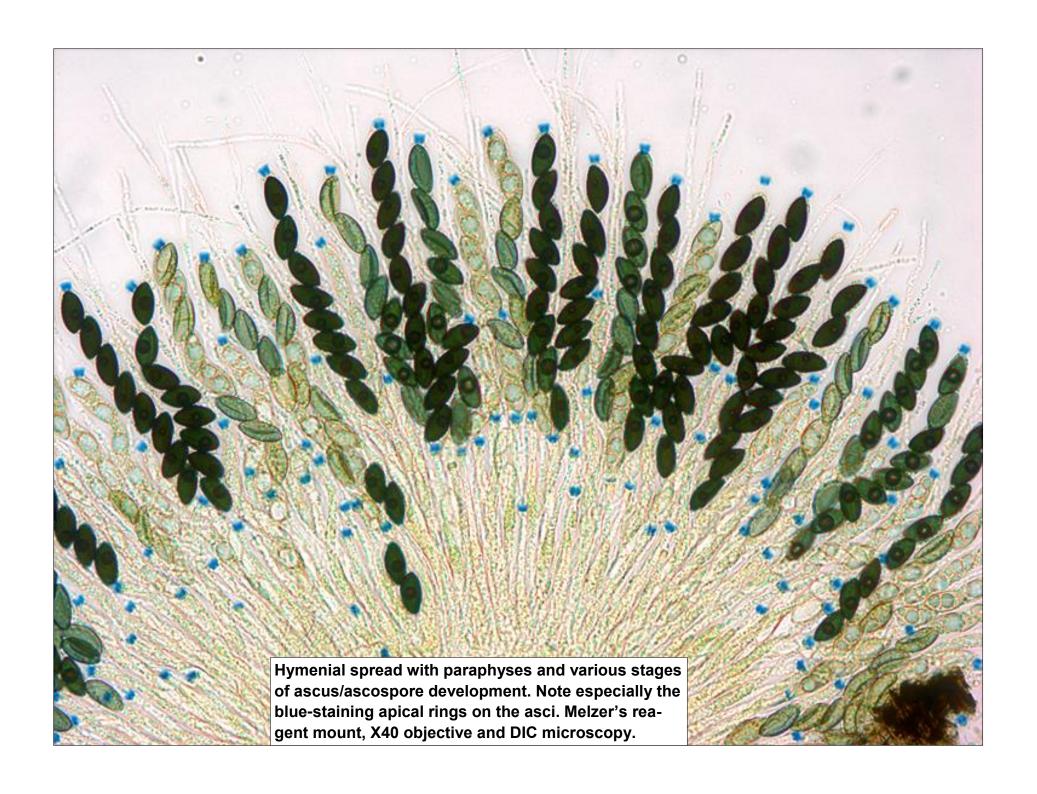


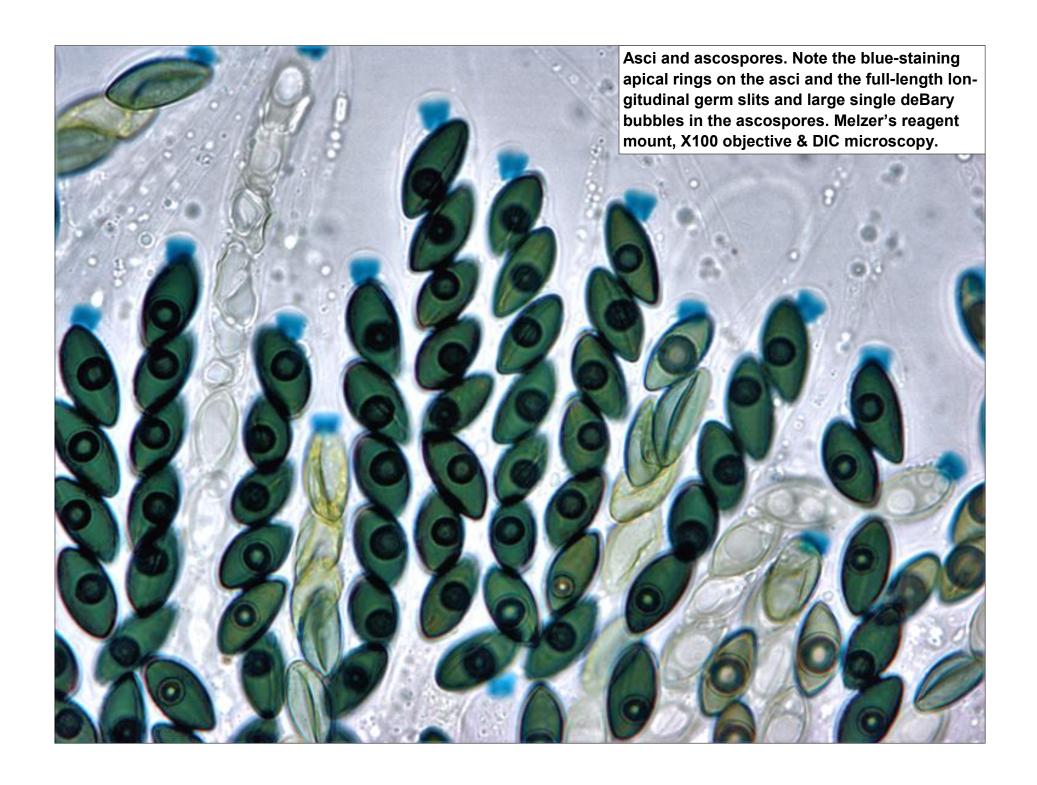


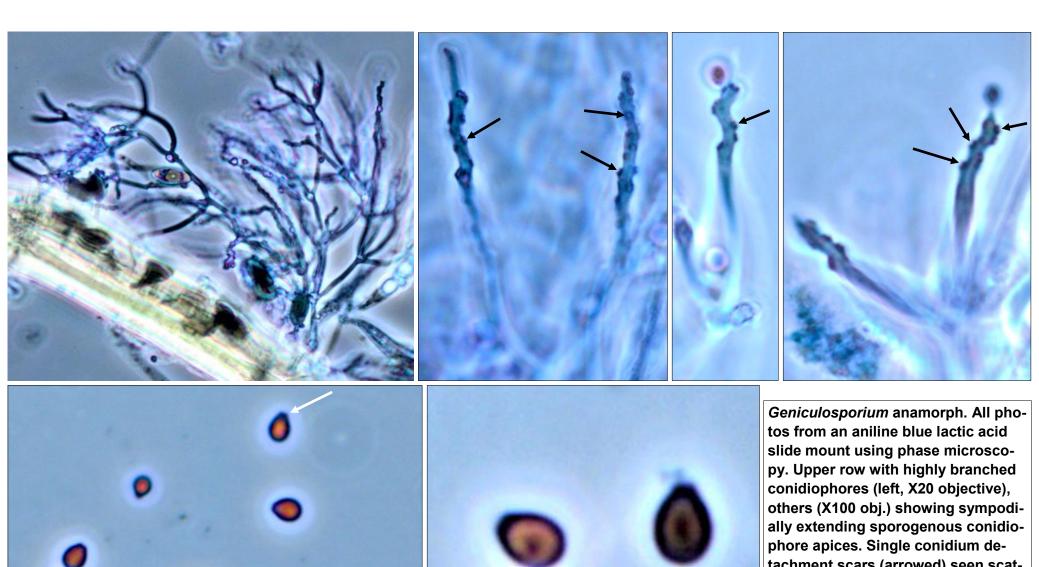












tachment scars (arrowed) seen scattered in a geniculate fashion with a circular refractive frill at each point of conidial dehiscence. Bottom 2 photos: 3 × 2 µm obovoid conidia, slightly enlarged left and more so on the right. Truncate base with tiny detachment frill (white arrow).