

***Hydropisphaera suffulta* (Berk. & M.A. Curtis) Rossman & Samuels – AEB 874 (= PDD 82096)** Originally placed in the PDD collection record as *H. boothii*, but Ann’s original drawings and her aniline blue lactic acid slide clearly show both fasciculate hairs on the ascomata and longitudinal striations on the ascospores.

According to “Lechat C. & Fournier J. 2019. Three new species of *Ijuhya* (*Bionectriaceae*, *Hypocreales*) from metropolitan France, French Guiana and Spain, with notes on morphological characterization of *Ijuhya* and allied genera. *Ascomycete.org*, 11 (2): 55–64.”, the taxon *Hydropisphaera boothii* (basionym *Nectria boothii*, synonym *Ijuhya boothii*) is now recognized as *Lasionectria boothii* (D. Hawksw.) Lechat & J. Fourn., comb. nov. (see Index Fungorum).

**Occasion:** 18<sup>th</sup> Annual New Zealand Fungal Foray at the Teapot Valley Christian Camp on Teapot Valley Road, not far from Brightwater (inland from Nelson) on the S. Island

**Collection site:** Eves Valley Scenic Reserve near Brightwater, a 15-minute drive from the foray headquarters – vegetation a mix of totara, beech and many other plants along several small streams

**Collection date:** 10 May 2004

**Substrate:** decorticated dead wood

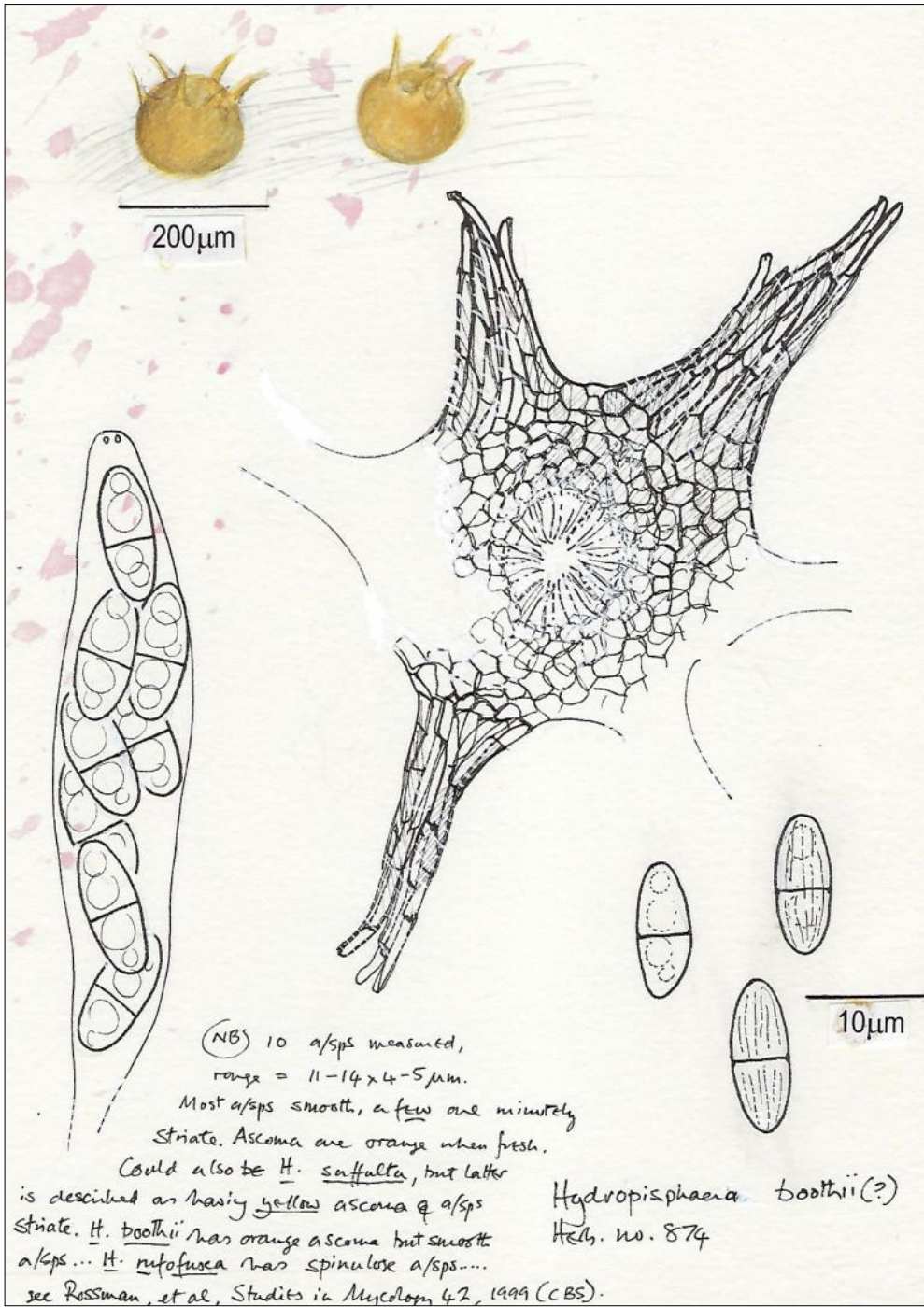
**Collector:** Ann Bell; **Identifiers:** Ann Bell and Dan Mahoney

**Voucher material:** very scant dried herbarium specimen accompanied by 1 aniline blue lactic acid slide and 2 Shear’s mounting fluid (SMF) slides; Ann’s 2004 drawings from fresh material and Dan’s additional measurements and his photos of ascospores and peridium detail from Ann’s 2004 aniline blue lactic acid slide.

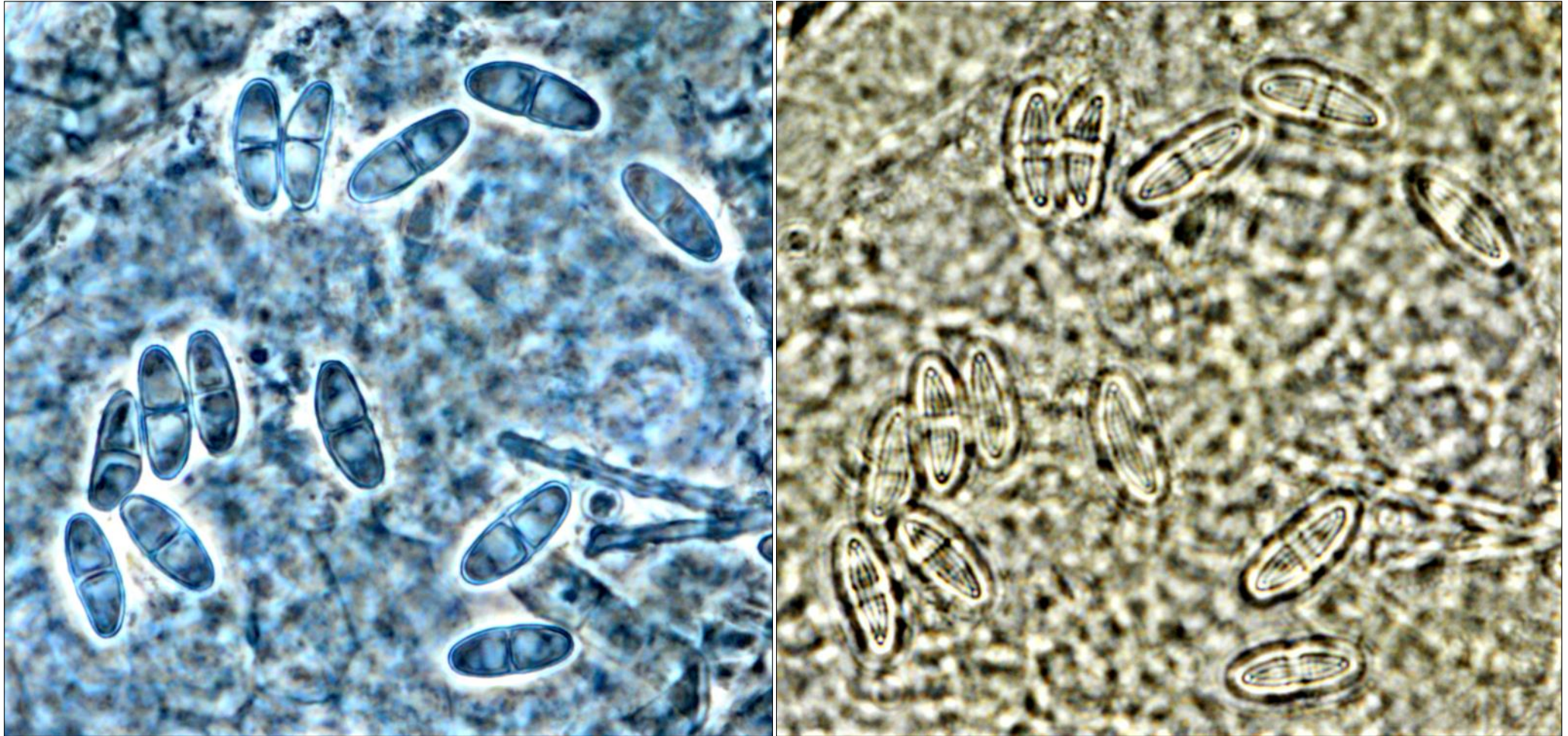
**Comments:**

See the pdf for the AEB 878 collection which was also collected during the visit to Eve’s Scenic Reserve.

See also the pdf for *Hydropisphaera suffulta* AEB1294 (= PDD 117254). That collection provided the most complete view of what appears to be *H. suffulta* in New Zealand. As such, other AEB collections are compared to it. This species is common in more tropical climates worldwide but recent publications by Lechat & Fournier [see the PDD datastore pdf for AEB1294 (= PDD 117254)] may indicate that the NZ collections represent a related ‘new variant’ or ‘new species’.



**AEB 874. Left: drawings & comments when this tiny collection was first seen fresh by Ann; right: X40 objective photos in March 2021 from the original aniline blue lactic acid 2004 slide – both of which represent the same brightfield view but with different focuses. Note the hair fascicles (arrowed) and the textura angularis peridium.**



**AEB 874. Photos taken in March 2021 from Ann's original aniline blue lactic acid 2004 slide. Both represent the same field of view and were photographed with the X100 objective using different focuses and lighting – the left a median focus on the ascospores (those shown are  $12\text{--}13.5 \times 4.5\text{--}5 \mu\text{m}$ ) using phase microscopy, the right a surface focus on the ascospores to demonstrate their longitudinal striations using brightfield microscopy.**