

## *Strobilomyces* sp. 1



*Strobilomyces* sp. 1 © Adrian Harris

**Pileus:** hemispherical to convex; 50 - 80 mm diameter; covered in large recumbent scales which become imbricate towards the margin; off white, browning and eventually becoming a dark brownish sepia; margin appendiculate and forming flaps overhanging tubes.

**Stipe:** cylindrical, stuffed; 90 -110 ×14 - 18 mm; ridged at apex, fibrillose scaly downwards forming a network; pale yellow buff at apex, darker below to become brown.

**Tubes and pores:** adnexed, excavated around stipe; yellow then grey, brownish black on handling.

**Flesh:** white, turning red then black.

**Spore print:** dark brown.

**Spores:** subglobose to broadly ellipsoid; 6.5 – 9 × 5.1 - 6.9, average  $7.8 \pm 0.7 \times 5.9 \pm 0.5$ .  $Q = 1.02 - 1.59$ , average  $Q = 1.31 \pm 0.13$ ; reticulate with interlocking ridges enclosing alveolate patches; thick walled; with a prominent pale apiculus.

**Basidia:** clavate; 35 – 45 × 9 - 12  $\mu\text{m}$ ; 4-spored; some filled with dark vacuolar material.

**Pleurocystidia:** strongly clavate, almost sub-capitate; rare; 35 – 50 × 8 – 11  $\mu\text{m}$ .

**Pileipellis:** with open suprapellis more or less parallel to the pileus surface, of loose grey-brown, cylindric, predominantly smooth, septate hyphae.

**Habitat:** in soil in wet sclerophyll forest with *Eucalyptus* and *Allocasuarina*.

**Notes:** The pale cap, flesh colour change from off white to red and then to black and the distinctly reticulate and small spores differentiate this species.

**Collections examined:** PL30614, Linda Garrett Forest, Mapleton, Suzanna Fisher, 14 Jun 2014.