

## *Boletus* sp 28



*Boletus* sp 28 © Pat Leonard

**Cap:** hemisphaerical then convex; 80 - 90 mms diameter; velutinate; very dark brown to almost sepia; margin not appendiculate.

**Stipe:** clavate; 50 - 70 × 20 - 35 mm; more or less smooth; pale with blotchy dark red markings which blue on bruising; uniformly pale, slightly reddish, brown or pink at apex or red with longitudinal striations.

**Pores:** adnate; crowded; pale orange at first, becoming dark red as the spores develop.

**Flesh:** pale in cap, red in stipe, bluing on exposure to air then blackening.

**Spore print:** reddish brown.

**Spores:** elongate fusoid; 9.3 – 12.4 × 3.6 – 4.6  $\mu\text{m}$ , average 10.8 ± 0.7 × 3.95 ± 0.3  $\mu\text{m}$ , Q = 2.4 – 3.26, average Q = 2.7 + 0.2; smooth and more or less hyaline in KOH.

**Basidia:** clavate to subcapitate; 25 – 35 × 8 – 10.5  $\mu\text{m}$ ; four spored.

**Cheilocystidia:** absent.

**Pileipellis:** a confused trichoderm.

**Substrate:** free draining gravelly soil.

**Habitat:** in dry sclerophyll forest dominated by *Eucalyptus campanulata*.

**Notes:** the red then black reaction of the flesh is unusual in *Boletes* and should allow this collection to be identified fairly easily, but it does not appear to be in Watling & Li or other papers on Queensland boletes.

**Collection:** PL58414, Mt Norman Track, Girraween National Park, Pat Leonard, 11 Apr 2014.