

## *Russula* sp 7

**Cap:** centrally depressed; to 40 mm diameter; matt, tomentose; pale vinaceous grey with a darker centre (12E4 to 12F7); margin entire;  $\frac{3}{4}$  peeling.

**Stipe:** clavate; 50 × 12 mm; glabrous with vertical ridges; white, browning with age.

**Gills:** adnate; pale cream, lamellulae absent.

**Flesh:** white, unchanging on exposure to air.

**Taste:** mild.

**Smell:** cooked shellfish.

**Chemical reactions:**

FeSO<sub>4</sub> on stipe: pale green; guaiac on stipe base: ?

**Spore print:** pale cream.

**Spores:** subglobose, some very large; 7.4 - 9.2 × 7 - 8.6 μm, average 8.4 (± 0.6) × 7.9 (± 0.6) μm, Q = 1.07 (± 0.045); isolated amyloid warts to 1 μm high with round tops and rare connectives.

**Basidia:** broadly clavate; 35- 50 × 10 - 14 μm, four spored.

*Russula* sp 7 © Pat Leonard

**Cheilocystidia:** fusiform; 60 - 75 × 15 - 20 μm; apices mostly mucronate or rostrate.

**Pleurocystidia:** similar to cheilocystidia.

**Dermatocystidia:** absent.

**Pileipellis:** a trichoderm with distinctive cuticular hairs to 225 μm long by 4 - 5 μm diameter, often born in pairs from spherical cells below.

**Habitat:** found singly, growing in wet sclerophyll forest with *Eucalyptus*.

**Notes:** this relatively small *Russula* is a member of the *Xerampelinae*. It is recognised by its felty vinaceous cap, white clavate stipe (which browns) and green reaction to FeSo<sub>4</sub>. Microscopically the spores with isolated warts and the cuticular hairs in the pileipellis are distinctive.

**Collections examined:** PL57607, Lake Baroon, Montville, Pat Leonard, 12 Jun 07; PL25308, Linda Garrett Forest, Mapleton, Pat Leonard, 28 Mar 08.

