

**Fissidens pseudopallidus** I.G.Stone, *Mem. New York Bot. Gard.* 45: 631 (1987)

T: Mt Haig, Danbulla State Forest, Qld, *I.G.Stone 19744*; holo: MEL.

Illustrations: I.G.Stone, *op. cit.* 632–633, figs 39–48, 49–61.

Dioicous. Plants 5–10 mm tall, pellucid green, occasionally tinged red. Leaves 16–20-jugate, loosely curled when dry, lanceolate, 2.5–3.5 mm long, 0.4–0.6 mm wide, acuminate or acute. Vaginant laminae reaching c. mid-leaf, almost closed. Dorsal lamina of  $\pm$ uniform width, ending abruptly at the insertion. Laminal cells  $\pm$ hexagonal, 8–14  $\mu$ m wide, thick-walled, convex; 2–4 rows of marginal cells swollen, with thick highly refractive walls; in vaginant laminae c. 6 rows of less swollen thick-walled marginal cells forming a broad pale border. Margin entire.

Peristome *similiretis*-type. Spores 12–15  $\mu$ m diam., greenish, faintly papillose.

Occurs in north-eastern Qld; grows on well-drained soil banks in rainforest. Also in New Caledonia.

Qld: Davies Creek Falls, near Mareeba, *I.G.Stone 12302* (MEL); Main Coast Ra., 18 km NNW of Mount Molloy, *H.Streimann 30339* (AD, CANB).