

FISSIDENS SUBG. ANEURON

Fissidens subg. *Aneuron* Kindb., *Gen. Eur. North Amer. Bryin.* 2: 165 (1897)

Lecto: *F. hyalinus* Hook.f. & Wilson

Dioicous or rhizautoicous. Plants terrestrial, minute, delicate. Stems simple, fleshy, lacking a central strand. Leaves few, shrivelled when dry, 2–6-jugate, ±elliptical; limbidium narrow, usually complete; apex acute; costa absent or incipient in T.S. Vaginant laminae narrow, scarcely reaching mid-leaf, open to almost closed; margin ±entire; laminal cells subhexagonal, large, thin-walled, chlorophyllose. Male plants smaller than female; antheridia terminal. Calyptra mitriform. Setae terminal, pale translucent yellowish, smooth. Capsules erect, symmetrical; operculum conical-rostrate or conical-rostellate. Peristome *scariosus*-type. Spores 9–14 µm diam.

Fissidens dealbatus Hook.f. & Wilson, *Fl. Nov.-Zel.* 2: 63 (1854)

T: Bay of Islands, New Zealand, *J.D.Hooker W.318*; holo: BM.

Illustrations: I.G.Stone, *J. Bryol.* 14: 322, fig. 3 (1985); J.Beever, B.Malcolm & N.Malcolm, *The Moss Genus Fissidens in New Zealand[:]* an illustrated key 28 (2002); D.Meagher & B.Fuhrer, *A Field Guide to the Mosses and Allied Plants of Southern Australia* 39 (2003).

Leaves 1.5–2.5 mm long, 0.4–0.5 mm wide; limbidium 1–3 cells wide, 2–multistratose; laminal cells 50–90 × 30–40 µm.

Calyptra covering the operculum, mitriform, flared at the base; median cells elongate, 30–80 µm long, 15–20 µm wide, thick-walled. Setae c. 2 mm long. Capsules 0.65–1.00 mm long, 0.3–0.6 mm wide; exothecial cells 20–40 µm long, c. 12.5 µm wide. Peristome teeth 40–55 µm wide at the base.

Occurs in W.A., Vic. and Tas.; on soil, usually in wet fern gullies. Also in New Caledonia, Vanuatu, Fiji, Samoa and New Zealand.

W.A.: 30 km from Port Gregory on Yeringa Springs road, *E.B.Best 2884* (PERTH; sterile). Vic.: Otway Ra., *M.Davis* (MEL 56883); Cement Ck, Warburton, *I.G.Stone 487* (MEL); Tarra Valley, South Gippsland, *I.G.Stone 9974* (MEL). Tas.: Stackhouse Falls, *W.Archer* (NY); Upper Browns R., *A.V.Ratkowsky H.210* (CANB, HO).