

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, \pm 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 \pm 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 μ m diam.

Fissidens splachnoides Broth., *Öfvers. Förh. Finska Vetensk.-Soc.* 35: 37 (1893)

Conomitrium splachnoides (Broth.) Müll.Hal., *Gen. Musc. Frond.* 74 (1901). T: Indooroopilly, Qld, *F.M.Bailey* 256; holo: H-BR.

Conomitrium amplirete Müll.Hal., *Gen. Musc. Frond.* 73 (1901); *Fissidens ampliretis* (Müll.Hal.) Broth., in H.G.A.Engler & K.A.E.Prantl, *Nat. Pflanzenfam.* 1(3): 353 (1901). T: Balls Head Bay, Sydney, N.S.W., Sept. 1884, *T.Whitelegge*; holo: H-BR; iso: NSW.

Illustration: I.G.Stone, *op. cit.* 321, fig. 2 (1985).

Leaves 1.2–1.3 mm long, 0.2–0.4 mm wide; limbidium 1–3 cells wide, unistratose to tristratose; laminal cells 40–50 \times 20–30 μ m.

Calyptra usually barely covering the operculum, 0.35–0.50 mm long; median cells mostly 20–30 \times 10–15 μ m. Capsules 0.35–0.50 mm long, 0.30–0.45 mm wide; exothecial cells mostly quadrate, 20–30 μ m wide. Peristome teeth 25–30 μ m wide at the base.

Endemic to south-eastern Qld and eastern N.S.W.; usually on soil banks in rainforest.

Qld: Binna Burra, Lamington Natl Park, *D.G.Catcheside* 65.208 (AD, MEL); Joalah Natl Park, Mt Tamborine, *I.G.Stone* 20650 (MEL). N.S.W.: Ballina, *W.W.Watts* 853 (NSW); Cambewarra Mtn road, *W.W.Watts* 6315 (NSW).