



Gemmabryum.

A–H, *G. apiculatum*. A, Habit with sporophyte (dry specimen); B, Capsule with peristome; C, Peristome: exostome tooth (left); endostome basal membrane with cilium (centre); and segment with cilium (right); D, Leaf; E, Cells at leaf apex; F, Mid-laminal cells; G, Basal laminal cells; H, Gemma (rhizoidal tuber) (A–H, C.B.Kaye s.n., MEL).

I–O, *G. chryseoneuron*. I, Habit with sporophyte (dry specimen); J, Leaf; K, Cells at leaf apex; L, Mid-laminal cells; M, Rhizoidal gemma (ruptured); N, Basal laminal cells (I–N, E.Cheel s.n., NSW); O, Peristome: exostome tooth (left); endostome with basal membrane and 2 cilia (centre); and broad endostome segment (right) (G.K.Thomson s.n., MEL 29852).

P–U, *G. inaequale*. P, Habit with sporophyte (dry specimen); Q, Peristome: exostome tooth (left); endostome with high basal membrane and 2 cilia (centre); and endostome segment (right); R, Cells at leaf apex; S, Leaf; T, Mid-laminal cells; U, Basal laminal cells (P–U, L.D.Williams 3537, AD).

Scale bars: 1 mm for habit; 0.5 mm for leaves, 100 μ m for cellular drawings. Drawn by N.Oram