



Ochiobryum and Gemmabryum

A–H, *Ochiobryum blandum*. A, Habit of dry specimens (left, M.Mueller 1795, MELU; right, A.E.Orchard 1931, AD); B, Seta and capsule showing peristome; C, Capsule with operculum (B, C, H.P.Ramsay 76/84, NSW); D, Leaf; E, Cells at leaf apex; F, Mid-leaf cells; G, Basal laminal cells (D–G, A.C.Beaglehole 16281, AD); H, Peristome: exostome tooth (left), cilium separate; endostome with basal membrane and endostome segment (right) (H.P.Ramsay 76/84, NSW).

I–O, *Gemmabryum australe*. I, Habit of dry specimen; J, Capsule; K, Peristome: exostome tooth (left); endostome basal membrane with segment (centre); cilium (right); L, Cells at leaf apex; M, Leaf; N, Mid-leaf cells; O, Basal laminal cells (I–O, H.P.Ramsay 3/88, NSW).

P–V, *G. cheelii*. P, Habit with sporophyte (dry specimens); Q, Capsule without operculum; R, Leaf (isotype, NSW); S, Cells at leaf apex; T, Mid-leaf cells; U, Basal laminal cells (R–U, D.G.Catcheside 73.203, AD); V, Gemma (rhizoidal tuber) (isotype)

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