



Rosulabryum.

A–I, *R. albolimbatum*. A, Habit of dry specimen with sporophyte; B, Leaf; C, Cells at leaf apex; D, Mid-leaf and marginal cells; E, Basal laminal cells (A–E, D.G.Catcheside 53.283, AD); F, Part of T.S. of leaf (D.G.Catcheside 53.079, AD); G, Filamentous gemmae (W.W.Watts 3463, NSW); H, Rhizoidal tuber (P.S. & D.E.A.Catcheside J17, AD); I, Peristome: endostome basal membrane with segment and cilia (left); exostome tooth (right) (D.G.Catcheside 53.283, AD).

J–S, *R. billarderi*. J, Habit of dry specimen with sporophyte (L.D.Williams 3874, AD); K, Male gametophyte (D.G.Catcheside 69.266, AD); L, Leaf; M, Leaf apex; N, Upper laminal cells; O, Margin at mid-leaf; P, Basal laminal cells (L–P, C.T.Clifford s.n., MEL); Q, T.S. of leaf; R, Rhizoidal tuber (Q, R, D.G.Catcheside 69.266, AD); S, Peristome (D.G.Catcheside 69.266, AD).

T–AA, *R. campylotheceium*. T, Male gametophyte; U, Female habit with sporophyte; V, Leaf; W, Leaf apex; X, Mid-leaf and marginal cells; Y, Basal laminal cells; Z, T.S. of leaf; AA, Peristome: exostome tooth (left); endostome segment (centre); and cilium (right) (T–AA, W.A.Weymouth s.n., NSW).

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