



Rosulabryum.

A–H, *R. capillare*. A, Left: habit with sporophyte (moist specimen); right: leaves spirally arranged (dry specimen); B, Leaf; C, Cells at leaf apex; D, Rhizoidal tuber; E, Peristome: exostome tooth (left); endostome cilium (centre) and segment (right); F, Mid-leaf cells; G, Basal laminal cells; H, T.S. of leaf (A–H, J.R.Spence 4364, NSW).

I–N, *R. leptothrix*. I, Habit (dry specimen); J, Leaf; K, Cells of leaf apex; L, Rhizoidal tuber; M, Mid-leaf cells; N, Basal laminal cells (I–N, I.G.Stone 22764, MEL).

O–W, *R. microrhodon*. O, Habit with sporophyte (dry specimen); P, T.S. of leaf; Q, Peristome: endostome (left); exostome (right); R, Upper laminal cells; S, Mid-leaf cells and margin; T, Basal laminal cells; U, Leaf apex; V, Capsule with peristome; W, Leaf (O–W, J.R.Spence 4585, NSW).

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