



Macromitrium.

A–H, *M. exsertum*. A, Habit of dry branch (C.Helman, 1982, NSW); B, Branch leaf (D.H.Vitt 27605, ALTA); C, Perichaetial leaf (D.H.Vitt 27603, ALTA); D, L.S. of basal laminal cells (D.H.Vitt 27614, ALTA); E, T.S. of upper laminal cells (D.H.Vitt 27454, ALTA); F, Upper laminal cells (D.H.Vitt 27454, ALTA); G, Basal laminal cells (D.H.Vitt 27453, ALTA); H, Capsule (D.H.Vitt 27603, ALTA).

I–Q, *M. repandum*. I, Habit of dry branch (isolectotype of *M. pugionifolium*, NSW); J, Branch leaf (D.H.Vitt 27167, ALTA); K, Perichaetial leaf (D.H.Vitt 28040, ALTA); L, Dwarf male plant (H.P.Ramsay 14d/75, NSW); M, Capsule with operculum (isolectotype of *M. pugionifolium*, NSW); N, Calyptra (D.H.Vitt 27301, NSW); O, T.S. of upper laminal cells (D.H.Vitt 27031, ALTA); P, Upper laminal cells (D.H.Vitt 27167, ALTA); Q, Basal laminal cells (D.H.Vitt 27031, ALTA).

R–Y, *M. uniforme*. R, Branch leaf (D.H.Vitt 27890, ALTA); S, Perichaetial leaf (D.H.Vitt 27890, ALTA); T, Dwarf male plant (H.P.Ramsay 812112, NSW); U, Capsule (D.H.Vitt 27890, ALTA); V, T.S. of upper laminal cells (D.H.Vitt 27925, ALTA); W, Upper laminal cells (D.H.Vitt 27925, ALTA); X, Basal laminal cells (D.H.Vitt 27925, ALTA); Y, Habit of dry branch (H.P.Ramsay 812110, NSW).

Scale bars: 1 mm for habit and leaves; 100 µm for cellular drawings. Drawn by D.Mackay. B–H, J, K, M–Q, S and U–X redrawn from D.H.Vitt & H.P.Ramsay, *J. Hattori Bot. Lab.* 59: 325–451 (1985)