



Macromitrium.

A–G, *M. diaphanum*. A, Habit of dry branch (W.W.Watts 4064, NSW); B, Branch leaf (D.H.Norris 38435, ALTA); C, Dwarf male plant (W.W.Watts 4064, NSW); D, Capsule (C.J.Wild 1887, BRI); E, Calyptra (Barclay 52, NY); F, T.S. upper laminal cells (D.H.Norris 38435, ALTA); G, Basal laminal cells (D.H.Norris 38435, ALTA).

H–P, *M. hemitrichodes*. H, Habit of dry branch (H.P.Ramsay 7510, NSW); I, Branch leaf (D.H.Vitt 27191, ALTA); J, Perichaetial leaf (D.H.Vitt 27401, ALTA); K, Dwarf male plant (H.P.Ramsay 11/80, NSW); L, Capsule (D.H.Vitt 27191, ALTA); M, Calyptra (D.H.Vitt 27401, ALTA); N, T.S. upper laminal cells (D.H.Vitt 27401, ALTA); O, Upper laminal cells (D.H.Vitt 27191, ALTA); P, Basal laminal cells (D.H.Vitt 27191, ALTA).

Q–Z, *M. stoneae*. Q, Habit of dry branch (D.H.Vitt 27575, ALTA); T, Outer perichaetial leaf (D.H.Vitt 27575, ALTA); U, Inner perichaetial leaf (D.H.Vitt 27483, ALTA); V, Calyptra (D.H.Vitt 28154, ALTA); W, Capsule (D.H.Vitt 27522, ALTA); X, T.S. upper laminal cells (D.H.Vitt 27575, ALTA); Y, Upper laminal cells (D.H.Vitt 27575, ALTA); Z, Basal laminal cells (D.H.Vitt 27575, ALTA).

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