



Macromitrium.

A–I, *M. brevicaule*. A, Habit of dry branch (C.Wild, NSW M12729); B, Branch leaf (Moore 1937, WELT); C, Dwarf male plant (H.P.Ramsay 1/76, NSW); D, Calyptra (Turbott 1946, WELT); E, Capsule (Moore 1937, WELT); F, Gemma (W.W.Watts 1041, NSW); G, T.S. upper laminal cells (W.W.Watts s.n., isosyntype, WELT); H, Upper laminal cells (Moore 1937, WELT); I, Basal laminal cells (Moore 1937, WELT).

J–S, *M. aurescens*. J, Dwarf male plant (F.Whitteron, Dec. 1900, NSW); K, Branch leaf (D.H.Vitt 28186, ALTA); L, Perichaetial leaf (I.G.Stone 17907, ALTA); M, Habit of dry branch (J.Windolf 1122, NSW); N, Capsule (J.Windolf 1122, NSW); O, Calyptra (J.Windolf 1114, NSW); P, T.S. upper laminal cells (D.H.Vitt 28118, ALTA); Q, L.S. basal laminal cells (D.H.Vitt 28118, ALTA); R, Upper laminal cells (D.H.Vitt 28114, ALTA); S, Basal laminal cells (right), and papillae on those cells (left) (D.H.Vitt 28118, ALTA).

T–BB, *M. brachypodium*. T, Habit of dry branch (W.W.Watts LHI 41, NSW); U, Branch leaf (D.H.Vitt 28552, ALTA); V, Dwarf male plant (H.P.Ramsay 45/81, NSW); W, Calyptra (W.W.Watts LHI 41, NSW); X, Capsule with operculum (D.H.Vitt 28321, ALTA); Y, Capsule showing peristome (W.W.Watts LHI 41, NSW); Z, T.S. upper laminal cells (D.H.Vitt 28621, ALTA); AA, Upper leaf cells (D.H.Vitt 28560, ALTA); BB, Basal laminal cells (D.H.Vitt 28560, ALTA).

Scale bars: 1 mm for habit and leaves; 100 µm for cellular drawings. Drawn by D.Mackay. B–I, K, L, N–S, U–BB redrawn from D.H.Vitt, J. Hattori Bot. Lab. 54: 1–97 (1983) and D.H.Vitt & H.P.Ramsay, J. Hattori Bot. Lab. 59: 325–451 (1985).