



Macromitrium.

A–I, *M. hortoniae*. A, Habit of dry branch (H.P.Ramsay G1973, NSW); B, Branch leaf (D.H.Vitt 28183, ALTA); C, Perichaetial leaves (D.H.Vitt 28183, ALTA); D, Dwarf male plant (H.P.Ramsay 852, NSW); E, Capsule (D.H.Vitt 28183, ALTA); F, Calyptra (D.H.Vitt 28183, ALTA); G, T.S. of upper laminal cells (D.H.Vitt 28150, ALTA); H, Upper laminal cells with papillae (D.H.Vitt 28150, ALTA); I, Basal laminal cells (D.H.Vitt 28150, ALTA).

J–Q, *M. involutifolium* subsp. *involutifolium*. J, Branch leaf (D.H.Vitt 27152, ALTA); K, Perichaetial leaf (D.H.Vitt 27424, ALTA); L, Capsule (D.H.Vitt 27190, ALTA); M, Calyptra (D.H.Vitt 27152, ALTA); N, T.S. of upper laminal cells (D.H.Vitt 27152, ALTA); O, Upper laminal cells (D.H.Vitt 27299, ALTA); P, Basal laminal cells (D.H.Vitt 27424, ALTA); Q, Dry branch (W.W.Watts 9620, NSW).

R–Z, *M. involutifolium* subsp. *ptychomitrioides*. R, Branch leaf (D.H.Vitt 28039, ALTA); S, Perichaetial leaf (D.H.Vitt 28075, ALTA); T, Capsule (D.H.Vitt 27297, ALTA); U, Calyptra (D.H.Vitt 27936, ALTA); V, T.S. of upper laminal cells (D.H.Vitt 27297, ALTA); W, Upper laminal cells (D.H.Vitt 287297 ALTA); X, Basal laminal cells (D.H.Vitt 27297, ALTA); Y, Dwarf male plant (T.Whitelegge 1885, NSW); Z, Habit of dry branch (W.W.Watts 1916, NSW).

Scale bars: 1 mm for habit and leaves; 100 μm for cellular drawings. Drawn by D.Mackay; B, C, E–P, R–X re-drawn from D.H.Vitt & H.P.Ramsay, J. Hattori Bot. Lab. 59: 325–451 (1985).