



Trichosteleum watsii

a, gametophyte and sporophyte. b, branch leaves of *T. watsii* isotype. c, branch leaves of *Hypnum glaucoviride* isotype. d, leaf apical cells of b. e, mid-laminal cells of b. f, alar region of b. g, apical leaf cells of c. h, mid-laminal cells of c. i, alar region of c. j, perichaetial leaves. k, apex of perichaetial leaf. l, capsule with operculum. m, exothecial cells. n, peristome: endostome segment (left), exostome tooth (right). o, spores. p, branched gemma arising from the stem. q, close-up of gemma [l, p, q, *I.G.Stone* 21424 (MEL)]. Scales: 1 mm for habit, leaves, capsules and gemmae; 50 microns for spores; 100 microns for cellular drawings including peristome. Drawings by L.Elkan & H.P.Ramsay. Reproduced from H.P.Ramsay, W.B.Schofield & B.C.Tan, *J. Hattori Bot. Lab.* 95: 51, fig. 22 (2004).