



**Orthotrichum and Stoneobryum.**

**A–H, *O. cupulatum*.** A, Calyptra; B, Capsule; C, Habit; D, Leaf; E, Upper laminal cells; F, Basal laminal cells; G, T.S. of leaf; H, Immersed stoma (A–H, W.A.Weber & D.McVean B32430, C).

**I–P, *O. assimile*.** I, Calyptra (J.Lewinsky 1154, CHR); J, Dry capsule (J.Lewinsky 1154, CHR); K, Habit (J.Lewinsky 1698, CHR); L, Leaf (W.W.Watts 8827, NSW); M, Upper laminal cells (W.N.Beckett, Kaikoura, H); N, Basal laminal cells (W.W.Watts 8827, NSW); O, T.S. of leaf (W.N.Beckett, Kaikoura, H); P, Stoma (Bell 298, H).

**Q–X, *Stoneobryum bunyaense*.** Q, Calyptra; R, Dry capsule; S, Stem leaves; T, Perichaetial leaves; U, Stoma; V, Apical laminal cells; W, Basal laminal cells; X, Habit (Q–X, holotype).

Scale bars: 1 mm for habit and leaves; 100  $\mu$ m for cellular drawings. Drawn by D.Mackay.