



Ambuchanania leucobryoides (holotype). **A**, Stem in situ with only stem tips and capsule emergent from the substratum; **B**, Stem leaf; **C**, Leaf from upper part of long branch; **D**, Leaf from middle part of long branch; **E**, Upper leaf of short branch; **F**, Middle leaf of short branch; **G**, Lower leaf of short branch; **H**, **I**, Leaf cells from abaxial (**H**) and adaxial (**I**) surfaces of apical part of stem leaf; **J**, **K**, Abaxial surface of mid-leaf cells of stem leaf; **L**, **M**, Abaxial (**L**) and adaxial (**M**) surfaces of median cells of leaves of a short branch; **N**, **O**, T.S. of middle part of stem leaf; **P**, T.S. of upper leaf of short branch; **Q**, T.S. of apical part of upper leaf of short branch, showing ringed pores; **R**, T.S. of basal part of upper leaf of short branch, showing papillae on walls of chlorophyllose cells and intricate pore-like structures on abaxial surface of hyalocysts; **S**, Part of T.S. of short branch; **T**, Part of T.S. of stem. Scale bars: 5 mm for plant; 1 mm for leaves; 100 μ m for cells and sections. Drawn by R.D.Seppelt. Reproduced from *Hikobia* 13: 180, fig. 8 (2000). © Hikobia Botanical Society.