

Rhynchostegium serrulatum (Hedw.), Kindb. Alabama : Baker.

Plagiothecium pseudo-latebricola, Kindb. Canada, Cape Breton : Macoun. *P. albulum* (C. M.), Kindb. Alabama : Baker.

2. *Plagiothecium denticulatum* (L.). Br. Eur. * *P. Ruthei*, Limpricht.

Capsule larger and more curved ; cilia sometimes appendiculate ; pedicel often 4 c.m. long ; leaves large, generally without point, nearly undulate when dry. Not very distinct. Europe, Sweden! "Germany" : Limpricht.

3. *Plagiothecium curvifolium*, Schliephacke; Limpricht.

Leaves somewhat small, often partly recurved, ovate-oblong with a short often curved point ; capsule not large, faintly oblique ; cilia present ; lid usually muticous. Monœcious. Resembling *P. lætum* and nearly agreeing with *P. aciculari-pungens*, C. M. & Kindb. Rocks r. ; Eur., Norway! Sweden : P. Larsson ; "Germany" : Limpricht.

4. *Calliergon subgiganteum*, Kindberg, n. sp.

Differs from *C. giganteum* in monoecious inflorescence, from *C. cordifolium* in stems or branches pinnate and leaves auricled—from both in the very short costa of the leaves, in stem-leaves generally nearly indistinct, in branch-leaves reaching to the middle. America, Canada, "Sask., Prince Albert," 1896, (fruiting) : Macoun.

5. *Calliergon subeugyrium*, Renauld et Cardot. *Hypnum*, Ren. et Card.; *Calliergon*, Kindb.; *C. dilatatifforme*, Kindb., in litt. ad Macoun.

Leaves broadly ovate or rotundate, obtuse, not decurrent ; cells generally sublinear, except the finally reddish alar ; costa usually short and double ; capsule arcuate, very strangled. Monœcious. Tufts often brownish or golden glossy ; stem without rhizoids. Habit of *C. molle*. "Agrees with *C. palustre* in capsule not annulate." Rocks in water r. Amer., Canada, N. Brunswick and Cape Breton : Macoun ; Newfoundland : Waghorne.

Camptothecium acuminatum (Hedw.), Kindb. Pedicel of