

13. *Fissidens rufulus*, Bryol. Eur. * *F. Warnstorffii*, Fleischer (as species).

Leaves loosely disposed, less opaque, with paler, often hyaline borders; capsules not seen. In water r. Eur., Italy: Fleischer, com. Warnstorff.

"*Leucobryum*" *Leanum* (Sulliv.), Kindb., appertains to *Campylopus*, agreeing in capsule and calyptra, not described by Sullivant & Lesquereux, or to *Brothera* C. Mueller.

Dicranum fulvum, Hooker. N. Brunswick (fruiting): Moser, com. Macoun. *D. Scottii*, Turner. Spitzbergen: com. Mr. K. Johansson. *D. subulifolium*, Kindb. N. Brunswick: Macoun. *D. pachyneuron* (Molendo), Kindb.; capsule as in *D. longifolium*. Italy, Como (fruiting): Artaria. *D. consobrinum*, Renauld & Cardot. Canada, Ontario and Nova Scotia, Sable Island: Macoun. *D. scopariiforme*, Kindb. Canada, not r.: Macoun; Colorado: Baker. *D. pallidum*, Bruch & Schimper. Alabama: Baker. *D. undulifolium*, C. M. & Kindb.; capsule smooth. Canada (fruiting): Macoun. *D. Roellii*, Kindb. Canada, Vancouver Island: Macoun. *D. majus*, Smith, var. *undulascens*, Kindb., Oefversigt of K. V. A. (Roy. Swed. Acad. of Sciences) foerhandl. 1899 n. 10; leaves often undulate. Sweden, near Rostock in Dalsland! *D. camptophyllum*, Kindb., var. with smaller capsules and porose leaf-cells. Canada, Rocky Mountains: Macoun. *D. longirostre* (Weber & Mohr). Canada, Cape Breton: Macoun. *D. molle*, Wilson. Canada, Labrador: A. P. Low, com. Macoun. *D. algidum*, * *D. subspadiceum*, Kindb.; capsule sulcate. Canada: Macoun. *D. crispulum*, C. M. & Kindb.; capsule sometimes strumose; Canada, Cape Breton: Macoun. *D. rhabdocarpum*, Sulliv.; capsule erect and nearly straight. Colorado (fruiting): Baker. *D. groenlandicum*, Bridel. Canada, Labrador: A. P. Low, com. Macoun.

Dicranella cerviculatula, Kindb.; capsule generally erect-symmetric. Canada, Cape Breton: Macoun.

Grimmia prolifera, C. M. & Kindb.; stem not always proliferous. Alaska: J. M. Macoun. *G. robustifolia*, Kindb. Canada, N. Scotia: Macoun. *G. pulvinata* (L.), Smith, var. *cana*. Alabarna: Baker.