

17. *Didymodon azoricus*, Cardot.—*Trichostomum*, Cardot. Mosses of the Azores and of Madeira, in report of the Missouri Bot. Garden, 1897; *Didymodon*, Kindb.

Plants very small; stem 2-3 mm. Differs from *D. triumphans*: leaves larger; costa not excurrent; capsule oblong; pedicel pale red. Portugal, Coimbra: Machado. New to Europe.

18. *Didymodon crispulus* (Bruch), Wilson. * *D. mucronatus*, Cardot, as proper species.—*Trichostomum*, Cardot, moss. of the Azores; *Didymodon*, Kindb.

Stem 5-7 mm. high; leaves sublinear-oblong: capsule (not described by Cardot) subcylindric; lid rostellate; pedicel pale red. Portugal, Coimbra, 1868; Machado. New to Europe.

Weisia rutilans (Hedw.), Lindb. * *W. Ganderi*, Juratzka. Sweden, Nacka, near Stockholm: J. Persson.

19. *Weisia Perssoni*, Kindb., in Botan. Notiser, 1898.

Differs from *W. viridula*: leaves not involute; capsule constricted to a very small mouth; pedicel short. (Peristome is present.) Rocks r. Eur., Sweden, Scania (Skaone) near Kullaberg 1898: Apothecary J. Persson.

Encalypta alpina, Smith. Canada, Rocky Mts.: Macoun.

Orthotrichum Bolanderi, Sulliv., and *O. Watsoni*, James. Canada, Rocky Mts.: Macoun. *O. Kingii*, Lesquer. Colorado: Baker. *O. affine*, Schrader; * *O. sublimbatum*, Kindberg, new name (" *O. subulatum*, C. M. & Kindb.," not "*O. subulatum* Mitten," Musci Austro-Amer.) var. *sublaeve*, Kindb., with nearly smooth leaves. Canada, Cape Breton: Macoun. *O. psilocarpum*, James, and *O. diaphanum* (Gmelin), Schrader. Alabama: Baker. *O. cupulatum*, Hoffman. Colorado: Baker.

Zygodon Mougeotii, Br. Eur. Canada: Macoun. *Z. Sullivantii*, C. M.; leaves recurved. Canada, Cape Breton: Macoun. New to Canada.

20. *Anæctangium canadense*, Kindberg; n. sp. " *A. Hornschuchii*," Austin in Herb. Macoun; "*Zygodon cæspitosus* (Mitt.)," Kindb. Eur. and N. Amer. Bryineæ, p. 316.

Leaves small, channelled, involute, smooth and (also at base) entire, from broad base abruptly acuminate; only lowest basal