

segments adhering to the teeth, the apiculate lid and the large spores (about 0.04 mm.); differs in the decurrent leaves, short-ovate, the costa broad, abbreviate, not excurrent, the sterile shoots bearing globose buds (gemmae), the very much broader peristomial teeth. Stem red, very short, the pedicel about 1 cm. long or shorter, often scarcely emerging above the tufts; costa of the lowest leaves red, percurrent only in the leaves of the shoots and the perichetial ones; capsule ventricose, short-necked constricted below the mouth. *Bryum fallax*, Milde., resembling it in habit, is dioecious; the segments are free, the spores smaller. *Bryum lacustre* differs in not having decurrent leaves, the capsule not being constricted below the mouth, the pedicel longer, the peristome pale, etc.

*BRVUM FROUDEI*, Kindb., n. sp. Habit of *Wiebera nutans*. Agrees with *Bryum inclinatum* in the synœcious inflorescence and the symmetric capsule, etc.; differs in the leaves being long-acuminatè, cells long and narrow, the upper sublinear (nearly as in *Wiebera*), costa very long-excurrent, peristomial segments quite free from the teeth, spores smaller, scarcely 0.02 mm.; the cilia are wanting. Named for Mr. Ashley Froude, secretary to the commission.

*POLYTRICHUM (POGONATUM) ALPINUM*, Roehl., var. *MICRODON-TIUM*, Kindb., n. var. Differs in the leaves being nearly entire or indistinctly denticulate.

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