

ORD.—BARTRAMIEL. Br. & Schimp.

BARTRAMIA. pomiformis. Hedw., var. crispa.

Leaves spreading, crisped, linear lanceolate toothed, sporangium on a short stalk globose, forming soft yellowish patches, very common on granite boulders, fruiting in April and May, the collections have a dessicated appearance due to the peculiarities of the leaves.

ORDER.—Bryel. Br. & Schimp.

MINUM. cuspidatum. Hedw.

Stem simple erect, lower leaves obovate, upper ovate lanceolate, both acuminate, sporangium pendulous oval, lid convex, obtuse, sporangium solitary, nerve not reaching the tip, fruiting in early summer, growing on the banks of water courses in shady places, sometimes in company with *M. punctatum* *loc.* woods back of Melville Island, ditto near Byers Road, D. Vill, Hx.

M. STILLARE, Hedw.

Leaves toothed, not bordered, stems erect sporangium cernuous, ovate, lid hemispherical obtuse, forming soft, deep green patches on moist, shady banks, leaves increasing in size from below upwards, fruitstalk long, arising from the midst of a budlike collection of leaves at the top of the stems, leaf cells smaller than in *punctatum*, bearing fruit in May and June. The leaves shrivel speedily in dry weather, when the fruitstalk and sporangium become the most prominent characteristics of the plant. Plants of this genus are the most beautiful objects of the whole Bryological series, presenting in their ordinary appearance the nearest approach to vascular plants. They are worthy of the attention of the horticulturist. Being very sensitive to atmospheric conditions, they require shade and moisture for their successful cultivation.

M. PUNCTATUM, Br., common on banks of shady brooks.

LEPTOBRYUM PYRIFORMI, Schimp.

Leaves lower lanceolate, entire, upper spreading toothed nerve, reaching the tip, sporangium large pearshaped, pendulous, lid convex, mamillary, common on turfy ground, roadsides, and places

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POLYTRI

P. JUN

ATRICHUM, undula

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