

NOTES ON CANADIAN BRYOLOGY.

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(Communicated by John Macoun, M.A., F.L.S., F.R.S.C.)

ANDRÆA SPARSIFOLIA, Zett. *Var. SUBLEVIS*, Kindb. (N. var.)

Leaves generally smooth, rarely faintly papillose, the perichetial ones subobtuse.

Near Cape Beale, Vancouver Island, May 9th, 1892. (J. M. Macoun.)

DICRANOWEISIA OBLIQUA, Kindb. (N. sp.)

Differs from *D. crispula*, principally in the capsule being asymmetric, curved, substrumose in a dry state; the perichetial leaves being acuminate, and the costa excurrent in all leaves.

On stones along Asulkan Creek, near the Glacier Hotel, Selkirk Mountains, B.C. August 8th, 1890. (Macoun.)

DICRANELLA POLARIS, Kindb. (N. sp.)

Tufts dusky green, not shining, fuscous below. Stems 1-3 mm. high, erect and simple, leaves rigid, patent-erect, nearly straight, from the ovate-oblong base narrowed to the subulate, indistinctly two or three toothed, acuminate; cells not papillose, the lower marginal narrow, the upper sub-oblong; costa broad, often two-thirds of the lower part below, faintly marked, filling the whole acuminate; perichetial leaves larger, entire, broader at the base, with more numerous marginal cells. Capsule asymmetric suboval, finally subclavate, curved, smooth, short-necked, orange; lid with a long, oblique beak; peristome of 16 teeth, nearly entire, slightly cleft above, orange with paler tips; annulus not distinct; pedicel yellow, erect, 10-12 mm. long. Spores small, about 0.015 mm. Calyptra short, dimidiate.

Differs from *Dicranella cerviculata* in the structure of the peristome, the broader leaf costa, and the larger perichetial leaves; also from *D. heteromalla* in the smaller size, the rigid leaves, the broader costa and the not striate capsule.

St. Lawrence Island, Behring Sea, Aug. 15th, 1891. (J. M. Macoun.)