

## NEW CANADIAN MOSSES.

*Described by Dr. Nils G. Kindberg, Linköping, Sweden, 1889.* 6

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

*Dicranum rugosum*, Kindb. N. sp.

Leaves very undulate, acute, from the middle dentate at the papillose borders; cells not rarely porose, the upper short, the others long and narrow, except the hyaline alar and the pale-yellow basal ones; costa narrow, subpercurrent, dentate at the back from the middle. Barren. Allied to *D. Shraderi*.—In damp woods near Halifax, Nova Scotia (June 21st, 1883). J. Macoun, Coll.

—Var. *rugulosum*, Kindb. N. v.

Differs in the leaves, being slightly undulate, subobtuse, canaliculate; the alar cells pale brown, the costa less dentate. Capsule oblique, evidently furrowed in a dry state.—In the Big Swamp, Murray, Northumberland Co., Ont. (October 10th, 1878.) J. Macoun, Coll.

*Dicranum Drummondii*, Bland, v. *trachyneuron*, Kindb. N. v.

Stems shorter than type. Leaves smaller, narrower and looser, more densely and evidently serrate on the borders, subuliform-cuspidate; alar cells yellow; costa not excurrent, rough also below the middle and upwards.—Cedar swamps at the base of the Oak Hills, Hastings Co., Ont. (August, 24th, 1876.) J. Macoun, Coll.

*Desmatodon cernuus*, Bruch & Schimp. var. *xanthopus*, Kindb. N. var.

Leaves less chlorophyllous than the type, costa virescent. Capsule larger; teeth more united; pedicel yellow.—On the banks of Boggy Creek, Manitoba, where the "Carleton trail" crossed it (August 10th, 1872.) John Macoun, Coll.

*Encalypta rhabdoearpa*, Schwæger. var. *leiomitra*, Kindb. N. v.

Calyptra smooth; peristomial teeth blunt; spores larger, about 0.05 mm.; costa vanishing at the apex of the leaves.—On rocks along the Clearwater River, Athabasca, Lat. 57° (July 11th, 1888.) J. M. Macoun, Coll.