

cells thick in axile parts, cavernose, becoming at the margin gradually 3 or 2-stratose, now and then glandular-thickened; surface cells distinct, translucent, lightly protuberant, subrhombic, trapezoidal, or oblong-pentagonal 35.75×30.35 mik.; *Nostoc* colonies spherical; monoicous; antheridia in groups of 3 or 4; involucre short, sometimes united in pairs cylindrical oblong, or by contraction at base and mouth dolioform or subglobose, $.85-1.25 \times .5-.9$ mm., incrassate except at the thin erose or subentire mouth; capsule black, erect or a little curved, 3.6×3.5 mm., thick-walled, with numerous stomata, the valves rigid or slightly flexuose when dry, brittle and often broken; columella sometimes appendiculate; spores fuscus or black, rounded-tetrahedral densely and rather minutely muriculate on both the inner and outer faces, $4.8-6.5$ mik. in maximum diameter; sterile cells short, nearly as broad as long, without spiral thickenings, separate or variously adherent, often shriveled and inconspicuous.

On earth subject to inundation along the discharge of Leamy's Lake, near Hull, Que., Sept. 24th, 1891.

XXV. MARCHANTIA, Marchant.

268. *M. polymorpha*, Linn.

Quite common around springs and on earth along the borders of swamps around Ottawa. On earth, by the lake in McKay's Woods, April 28th, 1896.

XXVI. PREISSIA, Nees.

269. *P. commutata*, Nees.

Under dripping limestone rocks under the cliffs near the old mill, east side of Rockcliffe, May 7th, 1896.

XXVII. CONOCEPHALUS, Necker.

270. *C. conicus*, Neck.

Quite common on old logs and earth by brooks around Ottawa. In a swamp on the rear of Cowley's Farm, west of Hintonburg, April 18th, 1896.

XXVIII. GRIMALDIA, Raddi.

271. *G. rupestris*, (Nees.) Lindenb.

On calcareous earth in crevices of rocks near Governor's Bay, Rockcliffe Park, May 20th, 1884.

XXXIX. RICCIA, Micheli.

272. *R. arvensis*, Aust.

On damp earth covered by the spring floods around the east side of Leamy's Lake, Hull, Que., Sept. 24th, 1889.