

exposed to sunlight, leaves inconspicuous, fruiting in early spring and through the summer.

ORDER.—Polytrichiei, Brid. & Sch.

POLYTRICHUM, commune, L., fruiting in June.

P. JUNIPIRINUM, Hedw., fruiting in June.

ATRICHUM, undulatum, P. Beauv., common, fruiting in autumn, forming dense green patches.

ORDER.—Tetraphidei, Br. & Schimp.

TETRAPHIS, pellucida, Hedw.

Very common in shady woods and on roots of trees, fruiting in summer and autumn, easily recognized by the four-toothed peristome and the cup-shaped cluster of leaves surrounding the gems.

ORDER.—Grimmiei, Br. & Schimp.

SCHISTIDIUM, maritimum, Br. & Schimp.

Leaves rigid, strongly acuminate nerve excurrent, much crowded erectopatent, sporangium obovato truncate, lid very large, shortly rostrate, fruiting in autumn, growing on granite boulders, dark olive green, pulvinate.

ORDER.—Hedwigiacei, Br. & Schimp.

HEDWIGIA, ciliata, Hook & Wils.

Branches fastigiate, leaves imbricated, oblong lanceolate, sporangium globose immersed, veil hairy perichaetial leaves ciliated, lid plano convex, with a central papilla, variable, common on granite boulders, lurid green pulvinate, fruiting in autumn and through the winter.

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ART II.—ON NOVA SCOTIAN FERNS.—BY REV. E. N. BALL,  
MACCAN, *Communicated by* DR. LAWSON.

(Read November 11, 1878.)

I HAVE been examining more closely the varieties of *Aspidium Spinulosum* (Gray) this Summer, and offer the following as my more matured observation.