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Bryophytes New to the Yukon

Abstract. *Twenty-one mosses and one hepatic are reported new to the Yukon Territory, Canada. Included are phytogeographically significant range extensions for Gollania turgens (C.Muell.) Ando, Isopterygiopsis muelleriana (Schimp.) Iwat., Oligotrichum parallelum (Mitt.) Kindb. and Gymnomitrium apiculatum (Schiffn.) K.Müll.*

To date, 347 taxa of mosses (Vitt, 1976) (324 species) and 92 species of hepaticae (Hong & Vitt, 1977) have been reported from the Yukon Territory, Canada. Records of an additional 21 species of mosses and one hepatic are presented here. As a result, the total known moss flora of the Yukon consists of 345 species, while the hepatics are represented by 93 species. Comparison with the bryophyte floras of such neighboring regions as Alaska, British Columbia and Alberta suggests that the number of bryophytes reported from the Yukon is still disproportionately low and further records are to be expected, as more areas are explored.

For the most part, the species reported herein are recent collections taken in isolated alpine areas of east-central Yukon in the Selwyn-Mackenzie Mountains and in north-central Yukon in the southern Ogilvie Mountains. Among the records are a few which are phytogeographically noteworthy.

In North America *Gollania turgens* has been previously known only from the Mt. McKinley area, Alaska. *Isopterygiopsis muelleriana* has been reported in western North America only from the Brooks Range, Alaska, while *Oligotrichum parallelum* is previously known from the coastal areas of British Columbia and Alaska. *Gymnomitrium apiculatum* is known only from Alaska and Greenland prior to this report.

All specimens cited are deposited in ALTA, with some duplicates present in the private herbarium of D. G. Horton. Authority names and nomenclature, where possible, follow Crum et al. (1973).

HEPATICAE

Gymnomitrium apiculatum (Schiffn.) K.Müll. Keno Hill, 63°56'N, 135°10'W, Horton 5864.

MUSCI

- Aloina rigida* (Hedw.) Limpr. 1.6 km E of Mayo, 63°36'N, 135°51'W, Horton 5839 (det. C. Delgadillo M.).
- Amphidium mougeotii* (B.S.G.) Schimp. Riparium L., 64°45'N, 133°23'W, Vitt 16864, 16911; Wrightii L., 64°54'N, 133°33'W, Vitt 17005; Keele Pk., 63°29'N, 130°29'W, Horton 5506.
- Anomobryum filiforme* (Dicks.) Andr. Keele Pk., 63°28'N, 130°29'W, Vitt 15859, 15867; Gillespie L., 64°43'N, 134°00'W, Vitt 16561A, Horton 6241.
- Aongstroemia longipes* (Somm.) B.S.G. 6 km E of Mayo, 63°26'N, 135°51'W, Vitt 16164.
- Barbula andreaeoides* Kindb. Pinguicula L., 64°42'N, 133°26'W, Vitt 16085 (with *Andreaeobryum macrosporum*), Vitt 17058, Horton 5747A; Wrightii L., 64°54'N, 133°33'W, Vitt 16972; Gillespie L., 64°43'N, 134°00'W, Horton 6226 (det. R. Zander).
- Brachythecium nelsonii* Grout. Carcross Area, 60°06'N, 134°42'W, Vitt 15642, 15652; Keele Pk., 63°28'N, 130°29'W, Vitt 15825, Horton 5542.
- Bryum calophyllum* R.Br. Wrightii L., 64°54'N, 133°33'W, Vitt 16937.
- Dicranella rufescens* (With.) Schimp. Milepost 59.4 (95 km) between Pelly Crossing and Dawson City, Vitt 12812.
- Dicranella subulata* (Hedw.) Schimp. Keele Pk., 63°30'N, 130°27'W, Vitt 15807 (reported by Douglas and Vitt, 1976, but not noted as new to the Territory).
- Fontinalis neo-mexicana* Sull. & Lesq. 5.8 km S of Yukon R. crossing at Carmacks along Nordenskiöld R., Vitt 12804, Horton 2167.
- Gollania turgens* (C.Muell.) Ando. Wrightii L., 64°54'N, 133°33'W, Vitt 18015 (det. H. Ando).

- Grimmia agassizii* (Sull.) Jaeg. & Sauerb. Keele Pk., 63°31'N, 130°25'W, Vitt 15895, 15896, 15922, Horton 5549, 5567, Tombstone Mt., 64°28'N, 138°43'W, Vitt 16748.
- Grimmia calyptrata* Hook. ex Drumm. Keele Pk., 63°30'N, 130°27'W, Vitt 15803, Horton 5461.
- Grimmia incurva* Schwaegr. Tombstone Mt., 64°28'N, 138°43'W, Vitt 16678; 63°29'N, 130°27'W, Horton 5441.
- Isopterygiopsis muelleriana* (Schimp.) Iwat. Keele Pk., 63°28'N, 130°25'W, Vitt 15978; Tombstone Mt., 64°28'N, 138°42'W, Vitt 16760; 64°27'N, 138°43'W, Vitt 16827.
- Molendoa sendtneriana* (B.S.G.) Limpr. Gillespie L., 64°43'N, 134°00'W, Vitt 16608 (c.fr.); Pinguicula L., 64°42'N, 133°27'W, Horton 5786 (det. R. Zander).
- Oligotrichum parallelum* (Mitt.) Kindb. Keele Pk., 63°28'N, 130°29'W, Vitt 15855, Horton 5522.
- Paraleucobryum enerve* (Thed. ex C.J.Hartm.) Loeske. Tombstone Mt., 64°28'N, 138°42'W, Vitt 16799, Horton 6389.
- Plagiothecium cavifolium* (Brid.) Iwat. Riparium L., 9.6 km N of Pinguicula L., 64°45'N, 133°23'W, Vitt 16894.
- Pohlia drummondii* (C.Muell.) Andr. Keele Pk., 63°28'N, 130°25'W, Vitt 16051, 15941, 15928, 15935, Horton 5566, 5645.
- Tayloria acuminata* Hornsch. Lenense L., 66°02'N, 135°34'W, Horton 6072.

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