

MOSSES FROM THE STATE OF MAINE--III

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There have been approximately 376 moss taxa reported from the state of Maine. The Maine counties of Hancock, Lincoln, Oxford and Piscataquis have been most thoroughly collected. Nevertheless, further collecting in these counties may still be profitable in ferreting out unusual elements of the flora. Conversely, mosses from the counties of Aroostook, Franklin, Somerset and Washington have hardly been collected at all. Nearly any moss collected in these four counties will likely as not represent a county record. Those with an interest in mosses from this state can obtain from the author, by request, a referenced county checklist of the mosses reported in the literature from Maine.

The following list of mosses contains one Maine state record (marked by an asterisk) and 90 county records. These mosses were either collected by William R. Buck (and are deposited in NY) or were found in the herbarium of the Missouri Botanical Garden (MO). In all cases their identity has been verified by me.

The nomenclature and taxonomic concepts of the species in this list follow Crum and Anderson (1981) with the exception of Sphagnum which follows Crum (1984).

AMBLYSTEGIACEAE

Amblystegium varium (Hedw.) Lindb.--Somerset Co., Merello 12 (MO).

Drepanocladus uncinatus (Hedw.) Warnst.--Aroostook Co., Seymour s.n. (MO).

BARTRAMIACEAE

Philonotis fontana (Hedw.) Brid.--Kennebec Co., Merrill 46 (MO).

BRACHYTHECIACEAE

Brachythecium campestre (C. Müll.) B.S.G.--Sagadahoc Co., Buck 15296 (NY).

Eurhynchium pulchellum (Hedw.) Jenn.--Washington Co., Stevens 5281 (MO).

Rhynchostegium serrulatum (Hedw.) Jaeg.--Washington Co., McCleary s.n. (MO).

CLIMACIACEAE

Climacium dendroides (Hedw.) Web. & Mohr--Sagadahoc Co., Buck 15300 (NY).

DICRANACEAE

Dicranella heteromalla (Hedw.) Schimp.--Somerset Co., Merello 10 (MO).

Dicranum montanum Hedw.--Sagadahoc Co., Buck 15277 (NY).

D. polysetum Sw.--Penobscot Co., Merrill 12 (MO).

D. scoparium Hedw.--Sagadahoc Co., Buck 15280 (NY); Somerset Co., Merello 7 (MO).

Leucobryum glaucum (Hedw.) Ångstr. ex Fr.--Penobscot Co., Merrill 23 (MO); Sagadahoc Co., Buck 15270 (NY); Washington Co., McCleary s.n. (MO).

Paraleucobryum longifolium (Hedw.) Loeske--Piscataquis Co., Merrill 13 (MO).

Trematodon ambiguus (Hedw.) Hornsch.--Kennebec Co., Merrill 7 (MO).

DITRICHACEAE

Ceratodon purpureus (Hedw.) Brid.--Somerset Co., Merello 11 (MO).

Pleuridium subulatum (Hedw.) Rabenh.--Kennebec Co., Merrill s.n. (MO).

FISSIDENTACEAE

Fissidens bryoides Hedw.--Penobscot Co., Merrill 19b (MO).

F. dubius P.-Beauv.--Androscoggin Co., Merrill 22 (MO); Penobscot Co., Merrill 21 (MO).

F. osmundoides Hedw.--Kennebec Co., Merrill 20 (MO).

FONTINALACEAE

Fontinalis antipyretica Hedw. var. *antipyretica*--Androscoggin Co., Merrill 68 (MO).

F. flaccida Ren. & Card.--York Co., *Pier s.n.* (MO).

FUNARIACEAE

Funaria hygrometrica Hedw.--Kennebec Co., *Merrill s.n.* (MO); Washington Co., *McCleary s.n.* (MO).

Physcomitrium pyriforme (Hedw.) Hampe--Kennebec Co., *Merrill s.n.* (MO).

GRIMMIACEAE

Grimmia agassizii (Sull. & Lesq. ex Sull.) Jaeg.--Piscataquis Co., *Merrill 30* (MO).

G. alpicola Hedw.--Penobscot Co., *Merrill 29* (MO).

G. apocarpa Hedw. var. *gracilis* R hl.--Piscataquis Co., *Merrill 139* (MO).

G. donniana Sm.--Piscataquis Co., *Lowe s.n.* (MO).

Grimmia donniana was first attributed to Piscataquis County by Kennedy and Collins (1901) who collected it near the summit and at the Chimney of Mt. Katahdin. Despite the lack of authentic material for comparison, Collins (1901) considered there to be "very little doubt" as to its identity. In 1926, Lowe re-collected the species at the Abol Slide of Mt. Katahdin where she found the species to be "much in evidence on the rocks in big and little thickly-fruited cushions." However, Crum and Anderson (1981) considered records of the species from Maine in need of confirmation. The Lowe collection in the herbarium at MO, which is *G. donniana*, appears to be a duplicate of the one reported by Lowe (1926).

G. maritima Turn.--Cumberland Co., *Lowe 5438* (MO).

HYLOCOMIACEAE

**Hylocomium pyrenaicum* (Spruce) Lindb.--Franklin Co., *Dunham s.n.* (MO).

Hylocomium pyrenaicum is a widely distributed boreal species known in New England from Vermont and New Hampshire. In the eastern United States the species reaches its southern limit in New York. *Hylocomium pyrenaicum* is best recognized by its abundant paraphyllia and single costa, although the costa at times may be weakly forked.

H. splendens (Hedw.) B.S.G.--Aroostook Co., *Hill 17234* (MO); Franklin Co., *Dunham s.n.* (MO); Penobscot Co., *Merrill 91* (MO).

Pleurozium schreberi (Brid.) Mitt.--Penobscot Co., *Merrill 40* (MO); Sagadahoc Co., *Buck 15279* (NY).

Rhytidiadelphus triquetrus (Hedw.) Warnst.--Aroostook Co., *Hill 17233* (MO).

HYPNACEAE

Callicladium haldanianum (Grev.) Crum--Sagadahoc Co., *Buck 15247* (NY).

Herzogiella turfacea (Lindb.) Iwats.--Kennebec Co., *Merrill 98* (MO).

Hypnum cupressiforme Hedw.--Sagadahoc Co., *Buck 15264* (NY).

H. fertile Sendtn.--Piscataquis Co., *Merrill 136* (MO).

H. imponens Hedw.--Sagadahoc Co., *Buck 15276* (NY); Washington Co., *McCleary s.n.* (MO).

H. lindbergii Mitt.--Franklin Co., *Stevens s.n.* (MO).

H. pallescens (Hedw.) P.-Beauv.--Androscoggin Co., *Merrill 84a* (MO); Penobscot Co., *Merrill 84* (MO); Piscataquis Co., *Dunham s.n.* (MO); Sagadahoc Co., *Buck 15265* (NY).

Isopterygium elegans (Brid.) Lindb.--Sagadahoc Co., *Buck 15292* (NY).

LESKEACEAE

Leskea polycarpa Hedw.--Kennebec Co., *s.coll. & s.n.* (MO); Penobscot Co., *Merrill 112* (MO).

Leskeella nervosa (Brid.) Loeske--Piscataquis Co., *Merrill 114* (MO).

MNIACEAE

Mnium affine var. *rugicum* (Laur.) B.S.G.--Penobscot Co., *Merrill 47* (MO).

M. cuspidatum Hedw.--Oxford Co., *Stevens s.n.* (MO).

M. drummondii Bruch & Schimp.--Oxford Co., *Adams 328* (MO).

M. hornum Hedw.--Hancock Co., *McCleary s.n.* (MO).

M. spinulosum B.S.G.--Androscoggin Co., *Merrill 49* (MO).

NECKERACEAE

Neckera pennata Hedw.--Androscoggin Co., Merrill 71 (MO); Franklin Co., Dunham s.n. (MO); Sagadahoc Co., Buck 15303 (NY).

ORTHOTRICHACEAE

Orthotrichum sordidum Sull. & Lesq. ex Aust.--Cumberland Co., Lowe s.n. (MO); Kennebec Co., Buck 15317 (NY); Sagadahoc Co., Buck 15309 (NY).

Ulotia coarctata (P.-Beauv.) Hamm.--Sagadahoc Co., Buck 15308 (NY).

U. crispa (Hedw.) Brid.--Penobscot Co., Merrill s.n. (MO); Sagadahoc Co., Buck 15304 (NY).

U. hutchinsiae (Sm.) Hamm.--Androscoggin Co., Merrill 41 (MO).

U. phyllantha Brid.--Knox Co., Chamberlain 5358 (NY).

PLAGIOTHECIACEAE

Plagiothecium cavifolium (Brid.) Iwats.--Androscoggin Co., Adams s.n. (MO).

POLYTRICHACEAE

Pogonatum pensilvanicum (Hedw.) P.-Beauv.--Piscataquis Co., Merrill 137 (MO).

Polytrichum commune Hedw.--Sagadahoc Co., Buck 15284 (NY).

P. juniperinum Hedw.--Washington Co., Merello 15 (MO).

P. pallidisetum Funck.--Sagadahoc Co., Buck 15288 (NY); Somerset Co., Merello 9 (MO).

P. piliferum Hedw.--Lincoln Co., Allen 6104 (MO); Sagadahoc Co., Buck 15289 (NY).

POTTIACEAE

Weissia controversa Hedw.--Kennebec Co., Merrill 8 (MO).

SEMATOPHYLLACEAE

Pylaisiadelphina recurvans (Mx.) Buck--Somerset Co., Merello 8 (MO).

SPHAGNACEAE

Sphagnum capillifolium (Ehrh.) Hedw.--Washington Co., McCleary s.n. (MO).

S. capillifolium var. *tenellum* (Schimp.) Crum--Hancock Co., Merello 13 (MO); Washington Co., Merello 19 (MO).

S. recurvum P.-Beauv.--Washington Co., McCleary s.n. (MO).

TETRAPHIDACEAE

Tetraphis pellucida Hedw.--Sagadahoc Co., Buck 15281 (NY).

THUIDIACEAE

Helodium paludosum (Sull.) Aust.--Kennebec Co., Buck 15323 (NY).

Thuidium delicatulum (Hedw.) B.S.G.--Sagadahoc Co., Buck 15301 (NY); Washington Co., McCleary s.n. (MO).

T. recognitum (Hedw.) Lindb.--Franklin Co., Dunham s.n. (MO); Penobscot Co., Merrill 118 (MO).

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