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FILE REPORT NOR-Y-35

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T6H 3S5

G. L. Lesko (1972)

MOSS AND LICHEN COLLECTIONS MADE IN ALBERTA, 1968-1969.

Northern Forest Research Centre  
Environment Canada  
Edmonton

Moss AND LICHEN COLLECTIONS MADE IN ALBERTA, 1968-1969.

by G. L. Lesko

The mosses and lichenes below had been collected in connection with ecological soil studies in the Cynthia area Alberta, and in the Department of Fisheries & Forestry Experiment Station at Kananaskis, Alberta. All specimens were collected by G. L. Lesko, Canadian Forestry Service, Edmonton, and determined by C. D. Bird, University of Calgary.

Cynthia Collection:                   33 species  
  81 specimens

Bird #1, Lesko #22 - Pleurozium schreberi (Brid.) Mitt.

In moist white spruce - Aralia forest type, on level ground. Soil is Peaty Humic Gleysol. Elevation at 3900' Lat. 53°16'45"; Long. 115°11'15".

Bird #2, Lesko #23 - Tomenthypnum nitens (Hedw.) Loeske.

Bird #3, Lesko #24 - Dicranum undulatum Brid.

Bird #4, Lesko #25 - Polytrichum juniperinum Hedw.

Bird #5, Lesko #26 - Sphagnum fuscum (Schimp.) Klinggr.

Bird #6, Lesko #27 - Sphagnum fuscum (Schimp) Klinggr.

In wet black spruce - Ledum - Sphagnum forest type, in depression. Soil is Peaty Eluviated Low Humic Gleysol. Elevation is 3400', Lat. 53°17'20", Long. 115°11'30".

Bird #7, Lesko #28 - Plagiomnium rugiculum (Laur.) Koponen

In wet black spruce - Ledum-Sphagnum forest type, on lower slope. Soil is Fibric Mesisol. Elevation - 3400' Lat. 53°17'15"; Long. 115°12'0".

Bird #8, Lesko #29 - Climacium dendroides (Hedw.) Web. & Mohr.

In moist white spruce - Aralia forest type on level ground. Soil is Orthic Humic Gleysol on lake deposit. Elevation is 3400'. Lat. 53°16'50"; Long. 115°13'15".

Bird #9, Lesko #30 - Plagiomnium drumondii (Brouch & Schimp) Koponen.

Bird #10, Lesko #31 - Eurhinchium pulchellum (Hedw.) Jenn.

Bird #11, Lesko #32 - Ptilium cista-castrensis (Hedw.) De Not.

Bird #12, Lesko #33 - Aulacomnium palustre (Hedw.) Schwaegr.

Bird #13, Lesko #34 - Dicranum fuscescens Turn.

In white spruce - subalpine fir - Hylocomium forest type on very gentle slope. Soil is Orthic Bleached Gray Wooded on till. Elevation 3400'. Lat. 53°16'30"; Long. 115°20'14".

Bird #14, Lesko #35 - Ptilium cista-castrensis (Hedw.) De Not.

Bird #15, Lesko #36 - Plagiomnium medium (B.S.C.) Koponen.

Bird #16, Lesko #37 - Climacium dendroides (Hedw.) Web. & Mohr.

Bird #17, Lesko #38 - Pleurozium schreberi (Brid.) Mitt.

Bird #18, Lesko #39 - Plagiomnium medium (B.S.G.) Koponen.

Bird #19, Lesko #40 - Plagiomnium medium (B.S.G.) Koponen.

Bird #20, Lesko #41 - Eurhinchium pulchellum (Hedw.) Jenn.

Bird #21, Lesko #42 - Drepanocladus aduncus var. polycarpus

f. gracilescens (B.S.G.) Monk.  
Bryum pseudotriquetrum (Hedw.) Goertn.,  
Meyer & Scherb.

Bird #22, Lesko #43 - Drepanocladus aduncus var. polycarpus f. gracilescens  
(B.S.G.) Monk.

In wet white spruce - Equisetum forest type on level

ground. Soil is Peaty, Organo Regosol on alluvial deposit. Elevation 3400'. Lat. 53°17'10"; Long. 115°20'10".

Bird #23, Lesko #44 - Pleurozium schreberi (Brid.) Mitt.

Bird #24, Lesko #45 - Rhytidadelphus triquetrus (Hedw.) Wornst

Bird #25, Lesko #46 - Hylocomium splendens (Hedw.) (B.S.G.).

In white spruce - Lycopodium forest type, on gentle south slope. Soil is Orthic Bleached Gray Wooded on till. Elevation 3400'. Lat. 53°17'0"; Long. 115°23'0"

Bird #26, Lesko #47 - Plagiomnium drumondii (Bruch & Schimp.) Koponen.

Bird #27, Lesko #48 - Eurhynchium pulchellum (Hedw.) Jenn.

Bird #28, Lesko #49 - Dicranum polysetum SW.

Bird #29, Lesko #50 - Eurhynchium pulchellum (Hedw.) Jenn.

Bird #30, Lesko #51 - Eurhynchium pulchellum (Hedw.) Jenn.

Cladonia cornuta (L.) Hoffm.

Bird #31, Lesko #52 - Ptilium cista-castrensis (Hedw.) De Not.

In white spruce - Aralia forest type on very gentle east slope. Soil is Orthic Bleached Gray Wooded on till. Elevation 3400'. Lat. 53°15'45"; Long. 115°29'40".

Bird #32, Lesko #53 - Cladonia mitis Sandst.

Bird #33, Lesko #54 - Pleurozium schreberi (Brid.) Mitt.

Bird #34, Lesko #55 - Dicranum polysetum SW.

In lodgepole pine - black spruce - Arctostaphylos forest type, on sand dune. Soil is Orthic Podsol. Elevation 3400'. Lat. 53°15'0"; Long. 115°33'15".

- Bird #35, Lesko #56 - Dicranum tauricum Sapeh.  
Bird #36, Lesko #57 - Pleurozium schreberi (Brid.) Mitt.  
Bird #37, Lesko #58 - Cladonia ecmocyna (Ach.) Nyl.  
Bird #38, Lesko #59 - Cladonia mitis Sandst.  
Bird #39, Lesko #60 - Aulacomnium palustre (Hedw.) Schwaegr.  
Bird #40, Lesko #61 - Stereocaulon tomentosum Fr.  
Bird #41, Lesko #62 - Ptilidium pulcherrimum (Web.) Hampe.  
Bird #42, Lesko #63 - Polytrichum juniperinum (Hedw.)

In wet lodgepole pine -  
black spruce forest type, on  
gentle south slope. Soil, Gleyed  
Orthic Regosol on aeolian sand.  
Elevation - 3200' Lat. 53°13'50";  
Long. 115°34'10"

- Bird #43, Lesko #64 - Dicranum polysetum SW.  
Bird #44, Lesko #65 - Pleurozium schreberi (Brid.) Mitt.  
Bird #45, Lesko #66 - Pleurozium schreberi (Brid.) Mitt.  
Bird #46, Lesko #67 - Sphagnum fuscum (Schimp.) Klinggr.  
Bird #47, Lesko #68 - Sphagnum fuscum (Schimp.) Klinggr.  
Bird #48, Lesko #69 - Pleurozium schreberi (Brid.) Mitt.  
Bird #49, Lesko #70 - Dicranum undulatum Brid.  
Bird #50, Lesko #71 - Pleurozium schreberi (Brid.) Mitt.  
Bird #51, Lesko #72 - Polytrichum juniperinum Hedw.

In black spruce - Ledum -  
Sphagnum forest type, on level  
depression. Soil is Fibric  
Mesisol. Elevation 3400'  
Lat. 53°08'55"; Long. 115°23'05".

- Bird #52, Lesko #73 - Ceratodon purpureus Brid.

Bird #53, Lesko #74 - Pleurozium schreberi (Brid.) Mitt.

Bird #54, Lesko #75 - Pleurozium schreberi (Brid.) Mitt.

Bird #55, Lesko #76 - Dicranum polysetum SW.

In lodgepole pine - black spruce - Arctostaphylos forest type, on sand dune. Soil is Bisequa Gray伍ded. Elevation 3400'. Lat. 53°06'30"; Long. 115°15'33".

Bird #56, Lesko #77 - Ptilium cista-castrensis (Hedw.) De Not.

Bird #57, Lesko #78 - Plagiomnium drummondii (Bruch & Schimp.) Koponen.

Bird #58, Lesko #79 - Brachythecium solebrosum (Web. & Mohr) B.C.G.

Bird #59, Lesko #80 - Brachythecium salebrosum (Web. & Mohr) B.C.G.

In white spruce - Prunus - Aralia forest type. Soil is Bisequa Gray伍ded on shallow till over paskapu sandstone. Elevation 3600'. About 4 miles south of Nojack.

Bird #60, Lesko #81 - Pleurozium schreberi (Brid.) Mitt.

Bird #61, Lesko #82 - Ptilium cista-castrensis (Hedw.) De Not.

Bird #62, Lesko #83 - Dicranum polysetum SW.

In lodgepole pine - black spruce - Arctostaphylos forest type on sand dune, Elevation 3400'. Soil is Orthic Podzol. Lat. 53°11'45"; Long 115°27'20".

Bird #63, Lesko #84 - Pleurozium schreberi (Brid.) Mitt.

Bird #64, Lesko #85 - Rhytidium rugosum (Hedw.) Kindb.

Bird #65, Lesko #86 - Abietinella abietina (Hedw.) Fleisch.

In white spruce - Aralia - Cornus forest type, on alluvial

deposit. Soil is Orthic Regosol. Elevation 3400'. In the North Saskatchewan River flood plain close to the bridge at Drayton Valley.

Bird #66, Lesko #87 - Campylium ralicale (P. Beauv.) Grout.

Bird #67, Lesko #88 - Rhytidadelphus triquetrus (Hedw.) Warnst.

In alluvial complex on sandy river terrace. Soil is Orthic Regosol. Elevation 3400'. Saskatchewan River close to the bridge at Drayton Valley.

Bird #68 - Lesko #89 - Plagiomnium drummondii (Bruc. & Schimp.) Koponen.

In lodgepole pine - white spruce - black spruce forest type on level ground. Soil is Orthic Gray Wooded on lake deposit. Elevation 3400'. Lat. 53°01'35"; Long. 115°31'00".

Bird #69, Lesko #90 - Rhytidadelphus triquetrus (Hedw.) Warnst.

In white spruce - Hylocomium - birch forest type, on steep north slope. Soil is Orthic Regosol on talus slope (cumulose deposit). Elevation 3400'. Lat. 53°02'00"; Long. 115°14'30".

Bird #70, Lesko #91 - Distichum capillaceum (Hedw.) B.S.G.

Bird #71, Lesko #92 - Drepanocladus uncinatus (Hedw.) Warnst.

Bird #72, Lesko #93 - Drepanocladus uncinatus (Hedw.) Warnst.

In white spruce - Equisetum forest type on moderate north slope. Soil is Orthic Regosol on cumulose deposit. Elevation 3400'. Lat. 53°02'10"; Long. 115°14'30".

Bird #73, Lesko #74 - Climacium dendroides (Hedw.) Web. & Mohr.

Bird #74, Lesko #75 - Helodium blandowii (Web. & Mohr) Warnst.

Bird #75, Lesko #76 - Plagiomnium rugiculum (Laur.) Koponen.

In white spruce - Equisetum-Sphagnum forest type on level ground. Soil is Peaty Gleysol on lake deposit. Elevation 3400'. Lat. 53°00'40"; Long. 115°16'45".

Bird #76, Lesko #77 - Mnium marginatum (With.) Brid. ex P. Beauv.

Bird #77, Lesko #78 - Hylocomium splendens (Hedw.) B.S.G.

Bird #78, Lesko #79 - Plagiomnium rugiculum (Lour.) Koponen

In white spruce - Equisetum forest type on level ground. Soil is Peaty Low Humic Eluviated Gleysol on lake deposit. Elevation 3400'. Lat. 53°03'50"; Long. 115°17'20".

Bird #79, Lesko #100 - Dicranum undulatum Brid.

Bird #80, Lesko #101 - Aulacomnium palustre (Hedw.) Schwaegr.

Bird #81, Lesko #102 - Aulacomnium palustre (Hedw.) Schwaegr.

In white spruce - Lycopodium forest type on level ground. Soil is Gleyed Gray Wooded on lake deposit. Elevation 3400'. Lat. 53°17'20"; Long. 115°20'45".

Kananaskis Collection:

9 species  
10 specimens

All specimens had been collected between the experiment station and Lusk Creek. The approximate elevation is 4500 feet.

Bird #82, Lesko #103 - Ceratodon purpureus Brid.

Dry lodgepole pine - white spruce forest on moderate south slope. Soil is Calcereous Podsol on coarse sand.

Bird #83, Lesko #104 - Pleurozium schreberi (Brid.) Mitt.

Bird #84, Lesko #105 - Hypnum revolutum (Mitt.) Lindb.

Bird #85, Lesko #106 - Pleurozium schreberi (Brid.) Mitt.

Dry lodgepole pine -  
white spruce forest on level  
ground. Soil is calcareous  
Podsol.

Bird #86, Lesko #107 - Dicranum polysetum SW.

Bird #87, Lesko #108 - Drepanocladus uncinatus (Hedw.) Warnst.

Bird #88, Lesko #109 - Drepanocladus uncinatus (Hedw.) Warnst.

Bird #89, Lesko #110 - Abietinella abietina (Hedw.) Fleisch.

Bird #90, Lesko #111 - Dicranum fragilifolium Lindb.

Bird #91, Lesko #112 - Hylocomium splendens (Hedw.) B.S.G.

In dry lodgepole forest  
on high gravel terrace.

(All specimens reported here are stored in the Herbarium of the  
Northern Forest Research Centre in Edmonton, Alberta.)