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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

1943-2

MEMORANDUM Digitized by Hunt In BOOK cal Documentation

R-210 Open Side R-211 Open End



E. LUCY BRAUN 2702 MAY ST. CINCINFATI, 1943-2 July 13. grayling - UMBS. July 15. UM. B.S. to machinary. City-St. Square, Trout Lake-Styllers. Woodsat Hilbert July 16, Ma 8 to M 123, N. To Paradise - to down Judguamenon Falls Woods along M12 3 July 17. Shelbelt north July 18. Takquamenon Fallo, " 19. Thelbert - munising

grayling - umBS. Sandy plains & roller area like graylandy continues hearly to ga Itels (moraines) prosible In disturce to pede has lots of hardwoods incl. Ime appr. gaylord we rece oute a polling morained repland (1348 ft) of good forms & paster The woods are sprout Tilia & in some place, much elm - but ashert is B-M. This continues for afort 33 miles 1 gaylord-except of

were wet or togget to artor vitae and/or lauch Sof gaylord- near Olsego Lake, some hardword of some pine) about 23 mi. N. of Wolvering more oak - white + red-I some pine: who pine inth dec. + some Jah tred, but not much Red maple parouts from theil out with a spen Digitized by Flunt Institute for Botanical Documental 4 busin poplar, all grassy compliance of the stricter white to part of Hartensh pena ines & bah cont , to Buit Pake on #27 July 14- Rane Buy

July 15 Stognace - Hulbert L.s. orderops of Sefes foring Front or arbotac + sprus all confer & lots of Pass ver first Excestas stilts up into miller & then words are \$M-B int Jelia, of good farms near allemalle + moran Lorry flat - arlor vetre, Each higher ring felle me of sand is hardend Digitized by Hunt Institute for Botanical Documental M + B again & sometinh (all sprouts & smallesc. a fer isof trees Jam. Theya Sarily or spruce; Polytruhun Chamaed ch & some grass- bry planet, all mit prottered Larent ete altindications are Imandfindest. Februar on these areas. Trout Sake - first pldge narrow, with 19, B, Bird Then down flats (musher type) then up to pudge, to Starp up (5 - mi. 18 of Down Pake); frest

waspecently cut. n. Hardwords - some beech red maple, Famonh, Sur fine Shople on redy when we first got up to is, but here, some to Ge all red majle

y Birch was plentiful - is

lorsus can, maranthem

Copter. Some lille Sorbio, wh fine These were here trefine Cutting Then mile or more Digitized by Hunt Institute for Botanical Documentar I sandy plain or Jack pine + oce rel & of to farm land of Maple at Jet, 28 a " Produde forest" large S. maple, but too fail apart what was Frenned? Small-S, M, elver, Som of all size in a little Some small speng in of Detrick Jerns, Rady Jems, intherrupted for

big red maple in hand beech long hemloch, lossibed i. e. the roubsele frest is maple-birch beech-hemloch, t elm Jum north to Hulbert Just before reaching H. go down a rather pterf help (July 18) 30 acres of uncut hardwood on edge & slipe of the all the way to the whole of the starts from Digitized by Munt Institute for Botamical Documentation Hulbert 30- acre words maple - B - birch ums Sambines rac Trill, grand mupa so Habendeen rot Smilsungroe Ostrya Trientales oriferacen Viola bland asp nf Crylus (felm (fers) asp. spin Bitry bing Julia Polygonat. pal (The beach has diths.) of Smant Clay gallings Proper Rubes among Violes

Campy hee 111 th th 1 -90 3 mile 7# TK HE HI HH ## TH HH TH HH HH TO TH HH beech TH HH THE HH y bright HH a cont. layer + 1-3/2 maple, a good many. wife, wife mar edge, an occ small fin & who pene fir incle tro. Sw. eicely In mpatiend arisaenn of adianlich arraca alp trola com Crysoplenum? mithella maianet yes luc god creping of los (the Smaple is all S.M. not wo

Topogr. of word -sliping, with several Frances; no sleep. slopes in defelence to posetion in fresh tregular & fremmorhy as though the bumps t at pometime fulle past by undfulls. The contenuous maple layer is striking but above this 3-4 fight maple no longer an orarchelming dominant Digitized by Hunt Institute for Botanical Documentation July 16. V. on M123 from M28. Just N. of mouth of Taljuan enon River, along shore of Whitefish bay (bot, red & shore) lots of red maple + some &. m. word, i.e. deadures spe here come down to John Sup thre. Jurge marshes aby toperer more S. of Jague. rine, some ext. Glat with Cham & spuce land, etc., but soon land is polling + oce, by hardwords here cut off. Then come up onto a higher level; all hardword This woods extends some miles along M123, tis maple-beach - y high Duly locally any hemlocks.

a flat area, thensely maple asp, spin Life lui beech Ostrya maranet red simple Lonicera mitchella Themlul Trienlale, aralia pude Sorbres Smiling Hazel Clintonea Oxalis mont Comescan mederla fir larger iben black 6 hi Digitized by Flunt Institute for Botanical Documentation Big a Middle 8 maple + 1111 # # beech-ttt thethe the thethe y brich- H+ H+ H+ HH THE maple THA HAY
THE THE THE THE 111 411 411 441 wh pine In the sample, the y birch + hemlock the congest trees; hemlock more or less localized;

another sample gayer y brish ## 11/11 Smill has very little red or fle to Stale other sample Digitized by Hunt Institute for Botanical Document The above changes to woods like first where disturbed there benefit sprice inthe Shering then benefit of faring then benefit begins. This court for per miles - until Juse to M 28, which Soft was the state of furting () Redge 2) is at M28 & peems to be some one that was studied of Hullert

July 17 Histo Talquameron Virlay Ridge Mess. brich hemlock mits red maple mits renderstry same Smaller eliff same + flat Clarkon Streptopus s Trentales Talionit Comes can gaulther or Botanical Documentation hemlock H 4 brich HHJ redmofle 1111 Thuyan 1 Spruie ald this to next

Stell ruly but (a) Tedmiff the theth the 5 maple 77/11 arbor vitue ## beech Wh pine 1 Sphere I (Pice caroling) 1 Is bruce, fir, hereberg Steeps where? - 11 Digitized by Hunt Institute for Botanical Document marant mus & San amel. Oxales Sorbus Coptes Clinton Couplus Librurac Tuenlale Ribes asp spin aurspec mederala milefelle aralia mul vilablada; Im, cem 11 clay Lyr, luc Life obser Cypr acards Mossy Carge y brich bases mich Halist Lige. annot alout 2 ft by Largest urborvitagare dead Forestfloor all hummorky to your of all hummorky to they go upon mossy lop, To.

mossy hendah in Ridge at Hamlork HHHH y breath HIII red maple IV # 14/1 beech # 1711 smaple ! Shiya-1 Wh pine ! Digitized by Hunt Institute for Botanical Documentation more little maple than in first not po much Dealis etc Lyc annit Dyalis maiant Cisp spen mederen Cypr creamle more open on grove not the wealth of n. herb underty

Low brygy -arbor votae (lange) om spruce Rules When Ly Ly luce Circle all af Dialis month af Trients Star Trill, well profes Little Hall Ben California Digitized by Hunt Institute for Botanical Documentation asp, spen. 3 Theyo 144 + # 14 + # 14 TH spruce HHH hemloch 111 for 11 ash 111 brich 14+1 red mufle 1 The goes up to pende red maple

Slightly up slope & about (Smaple ###### 111 beech HH HHH HH 1 y brick ## 1 1/1 Remlock HHHH 11H1 red maple 1 Then hemborh mady drops out near freday These ridges not the 1 5/2 Digitized by Hunt Institute for Botanical Document s moflet HHHHHHHHHHH Short \$ 00 ×15071+ Growd cover, 2. mopler beach meh Ly luc Meterla Smilaun

Top of highest hardwood sudge (where WPA Shick is HEHERING 生生大生生生生 fir 11/11 Small beach, 2 maple Ostrya Spring grown lover, tore, mederal hyp lue to Digitized by Hunt Institute for Botanical Documentation this years is diging - dry surface, seeding breach Substitute is per-brown publis of small Humus 3-3 mol Lorn a little more then B-M with a left few Rendratory brief

Beech TH HHH 17th M Smaple HH THIN !! Kemloh 111 y birch ## 11 relmaple) Himloh increases place like farthent Aright up rus M into hemble Digutzed by Hunt Institute for Botanical Documentation a Low Place - but. with lot of Sphagnun & other moses Cophis - single bernest reconstruction of ales Chrosenes - firman Trientales Cyp ac Osmudales Sedges in believe red maple, fit on moss mil above less

Spruce \$1 loh pene HAIII hemloch HH ### ship It the W y borch !!! beech 1 Part of this is mility Thuja + Shphagu + more hendre Digitized by Hunt Institute for Botanical Document Alrening back no n's Talquamenn R, Woods is mostly her red maple, ash springer mofle lespin 3rd lage elm ## ### 1111 Smaple 1) 14 WHITH TO ash 11 4444 resmaple !! Spruce 1 Ghuja

Inolen Fadyfern Istr ferns grasses Impolice Grasses little e. mople Sambira Innieuel Sambia Crysople Congline In similar place Verfore this, a brir vale supply, osh Bur oah ir elm mithe sight of river:elm THI ash 11 Am 1 rud m 1 Digitized by Hunt Institute for Botanical Document

Whenh!

Spring. Lot of alder along where orig, veg has been ofend up more who birch; larch, + This elm fortaffar enely girch may to the Illinga-pptuse. red maple g. birch. From Hulland, good and for apriles; hot so

By of for miles

Reght - of way cut

for hot for g/2

miles more; this

on a N-S line 31/2 mi. first ridge D+(1a) Hemboch + Thuja + 8 -D D WPA shock I hardened (5) Cedar swamp 3 Digitized by Hunt Institute for Botanical Documentation Of all of these frest communities, the hemlosh - y birch-red mople forest (area 1 a) has ruled untergrante more or each. The B-M has poolst, both in sp. 7 for number of little SM+B

Trip to Fahguamenon 5/2 me on Toonernele Trolley, across puramp Bogt splingnum t Anninds of bog shouls Redum, Chamadaphie, onost ponsperiores Sedges incl. cottongra. Pitcher plants, Sprice + some Tumaruck singly or in little groups Swampt perge + willing be neurer Digitized by Hunt Institute for Botanical Documentation wetter than boy. Flin bog shruls. 21 miles on river signs of recent high water (4/1 more moule of all folioge billed to the line. Overflow land is benefit by ash silver maple, redmaple ? i wellow brishes and older, royal feins form an almy rise margin both thrus where banks rise a little more can peed springe comes to prince

Occ. bur oak with maple & ash ; plas white birch (some as large as the largest trees) where banks rise more steeply, more variety because frees of above flood level come never torine margin spruce, hembrh, white who brick, silver maple red maple, elm, ask Somple (just alettle ways back) but och Elm on rime flate above flood find groups no a calint Digitized by Hunt Institute for Botanical Documentation where bank rises stuply about 10 ft. Bur Joah on flat pestalove the please high water level a charge - yet abre

find level. Innecline

In flat.

Soon get into uning

one of By hendowh to

y firsh nearly t

Sugart red mayle

into forest-to hardwood Rigo

then not so high John not so high of some time is then to ridge comes to replace course of the determinant governed in which it go

seems to be the hard m July 19 we weren at the Falls order of Though face moist + asp, spin, Circuen alpinu hemborh, sim, y brich what is B-SM-y, brich miha fembendal, y the areis but otherwise fust the pame. Digitized by Hunt Institute for Botanical Documentation Hudbert to minising Aulbert to top of hill is goft - there elevis 687 ft. of of hardwood redge to whestern flat swamp of spruce (black), Theyor Jarry many of the trees quite large esp Thus up to 15 in Abl (acc, to mr. I tunter as tullet) very wet, with pome tocal-Bedge, ind cotton gross + Rhammus alnefolia Ledun + various bog things; Public. Locally more They a low pandy mound ruses out of swamp 4 is

red pine, who pine topius with baccinim a few Clintonia, Cladonia. Springer down into enrigh forta green grown bog, a creek, Conifer boy gives my to elm & ash whole flat 2, 8 mi, arros. Then up to uspen, Spruce of fir coming in under. In puch places Lys, clarature & Gauleherea They's swamp again for Digitized by Hunt Institute for Botanical Documentation 2.6 mi. Then infto hemlock-y birch-red maple, with p. maple repr and on up to Soofel ridge, Road crosses the hardwood ridge for 2, 2 min mit my me slight interrupt to hardwood. Strip forest left along frighting - not even ander growth disturbed Simple - 48 Tilia Elm (part, pac) y birch Remloch 10 6 red maple wh ash bout 2/00) a white hines

Undergrowichall size classes. S.M. most plund. Tilin elm, y birch, beach, herling red maple, whipsh, be, ash (rin lord wet spots) fine Corylus acer Spientum, Lonicera, Santunes Ligo, luce allum trice mainthemung Brachyelytrum aralia nude Phegost drysps Sheptopus Clintonia Pyrole secund a thick mut of Botrych very humus up to blis & y. vlolet held logether by rods Intihella on top of gummy Osmorhiza por clay bod; l. S. blocks not brulders, evidently instrumed in road courte. Digitized by Hunt Institute for Botanical Documentation another sample, a little farther along ! -S. maple beech y buch Jelm Teles who pine red maple long on same redge do first but sep. from it burned. Undergrowth Botrych Gran Loncera Lyce for Streptopu Trillien grand y . violet galum utaenalla Osmorhyus asp. spin Canada brolet

Polisyonslum. Smilarun Comics alt. newberry ridge is hardwordst: _. maple-beech - Telia, a gravel fit from which rd material taken is in me of there redgest contre many large boulder, Ift in dean, many of them los, Takes purous ded ly hardwoods; only a fempline no lake. Slopes rue fairly steeply. Long ridge S. Digitized by Hupt Institute for Botanical Juint, keeps my going a long way to west. Highest rudge - west of East Lake tis B-M londs, with undergrowne Iterls are -Streptopus Colygonales Smilsein talla blue violet aralia mudie maianth (upon) Citaen alba Osmorhiza. Bobrych bry Tribliam Dand ? or carn Loneura O asp sper galining of unifl

Hemes is a matter layer bound mil ports, worlying leached pale Randy And - portrol. layer poor ground going of thigh ridge going to working Jahg. staying low on hell Then three a little are of hemloch - birch (wh. now appears on south East Branch of Fox R. Pine swamp Clike Digitized by Hunt Institute for Botanical Documentat acl the others around Lew is willow, Spiraca, grass sedge; then open only low places mounds of sand with a few thing (who, or red + sprude. Sometime so small that only me pune Seney slightly higher short of plants of redpense on From Leney To

Shengleton, sandy and prine; Digitized by Hunt Institute for Botanical Documentation

Back Cover Stulbert - for play Mrs. abigail Roberto Ford profeerly 26 to Phose green torm may be place to day Ironword north al

Back Cover I tuelled. 14-13 183 108 Hunt Institute for Botanical Doc