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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.



NOTEBOOK

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29

No. 94½

E. LUCY BRAUN  
2702 MAY ST.  
CINCINNATI O

1937

29

July 12. Pine Mt. U.S.R.A.  
AM Trail #3

PM. " to Bear Wallm Gap

July 13. Pine Mt U.S.R.A.  
AM Trail #2 - Rhod. valley

PM. " #1 - Hemlocks

Garden

July 14. Pine Mt U.S.R.A.

Trail up creek to Falls

" along summit to Fire tower

July 15 Up Clear Creek

July 16<sup>th</sup> Trail up above Auditorium  
P.M. to Mullins

July 17 Staggerweed Hollow

" 18 Sunday

" 19 Beech saddle of  
Joe Day Ridge

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July 12

Federal Pine Mt Park

Clethra

Stucksonia

Cyper acaule

big grass

Campanula div (dit)

Aralia spensa

Deep hollow -

Hemlock

Clethra

tulip

holly

cucumber


Rhod

birch

beech

*Heuchera parryi* (n. rubra)

Eupserot.

1111  n. parryi

Heuchera

*Magnolia macro*

*Sarothra gentianoides*

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Pine mt - the usual  
dip-slope openings -  
grassy with blanch,  
sericea, Andri & -  
Chrys., gr., Ber. ast.,  
Cor. major etc  
Scattered ch. v. obs  
pine, sc. v. obs, buds

Iris - prairie near  
Bear Wallingay

*Brachychaeta*

July 13  
no 2 trail  
down into valley

bro's Kastata in Rhod-fem

hemlock <sup>73</sup>		
hemlock		
beech		23
ch oak		4
nyssa		2
birch		11
cucumber		red maple
tulip		17
ch oak		chestnut
butternut		ash

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laserwood		hackberry
Rhod (queen)		cucumber
Holly		Clethra
Magn. macrocarpa		
birch		Eryngium
red maple		Hydrangea
dogwood		Walnut
Hamamelis		Stewartia
beech		Wb. acer
Gynerium		Benzoin
ash		Androsace

---

Cyp. acaule	Asp. spec
Viola	rotund
Cissampelos	Asp. n. t.
Mullein	Pilea
Aspl. f. f.	Beignonia
Polyp.	Aster div

holo, leafy stem <sup>(spms)</sup>

- |                |              |
|----------------|--------------|
| Eup. vertic    | Osms. smooth |
| pinus          | Coryphi      |
| Medeola        | Circaea      |
| Clintonia      | Actaea       |
| Psedera        | Tr. erecta   |
| Eup. joeype    | Ran. recur   |
| Triella        | Quercus      |
| displan        | Rapl. acrost |
| Eupates        | Lusorea      |
| Arisaema       | Aralia pac   |
| Asp. margin    | Sambucus     |
| Chimaphila     | Aralia spm   |
| Arisaema green |              |
| Rubus all      | Dr. crest    |
| Luporta        | Polystichu   |
|                | Phenac       |

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Darkmint

A place just  
under cliffs & facing  
east: (add to previous)

- mostly hemlock
- |         |               |    |
|---------|---------------|----|
| hemlock | 10, 11, 7, 11 | 39 |
| beech   | 111P          | 4  |
| ch oak  | 11            | 2  |
| tulip   | 11            | 2  |
| birch   | 1             | 1  |

A steep bank on  
a sand bank wh a  
few years ago was  
a slump  
v. rot. dome

Thal. clavatum in  
mossy rocks in  
creek

Walking fern

Polypody

Houstonia perfoliata;  
mossy rocks, creek  
margin

Moyn. fraseri low  
in valley

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Lower in valley

hemlock ||| 4

Tulip ||| 3

wh oak || 2

birch | 1

(disturbed)

The Rhododendron  
valley, trail no 2,  
trends in general  
SSW. Creek flows  
down slant of  
deep slope.

Forest is virgin  
valley wider than Letcher  
Co Pine Mt valleys





Cryd. sump on rocks

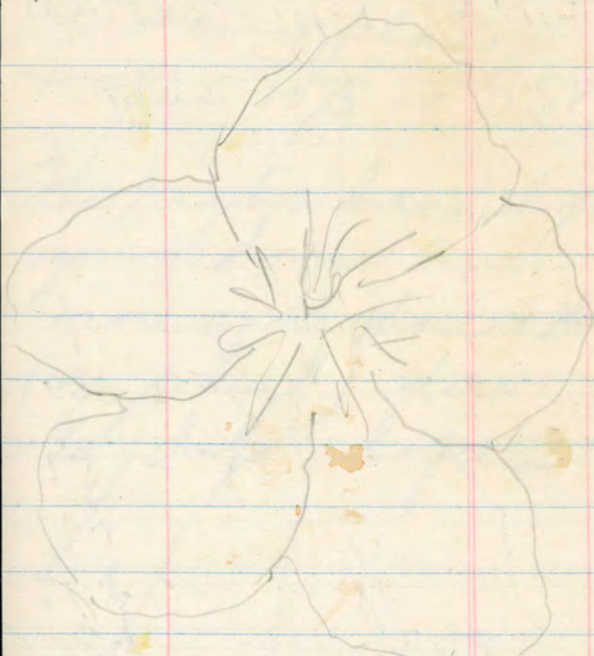
Along this crest on  
slope is forest

of  
bh oak  
ch oak  
tulip  
hackberry

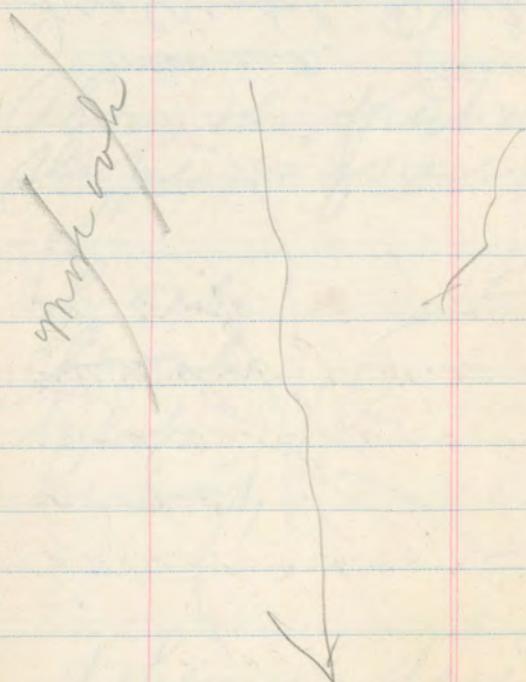
When on dry  
promontories pine  
on pine & ch oak

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A



meso. cont. Pilea  
Jus cristata Ojaka  
Medeola Asarum  
Polystichum Galat  
Asperula Viola



A wide open valley

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through with cliffs  
in many places  
& open to S or SSW

The right hand slope  
going down less  
more out than other  
(except high) due  
to dip slope

Head of valley  
(above bench)

hemlock		18
ch oak		8
bruh	1	1
tulip		3
chestnut		2
red maple		3
wh oak	1	1

Upper part of  
right hand slope  
(S slope)

ch oak		25
hickory		10
wh oak	1	6

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chestnut		4
red oak	1	1
tulip		2
y. pine	1	6
hemlock		1
sc oak	1	1

Under: -

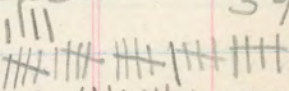
Persimmon	Oxyd
red maple	bruh
dogwood	sc oak
Amel.	ch oak
red oak	red oak
Carya glabra	tulip
Kyssa	Sassafr
	wh oak

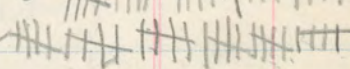
vac coupon  
vac vac Cor. major  
stam Sol. Adora  
lupis west Aster und  
Chrys. mar  
Helianthus sp  
Ant. plant  
Ceanothus  
Lespedeza spp  
Kalmia  
Aster  
Paniceum spp

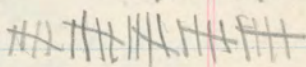
July 14. (trail to falls)  
 Creek toward Bear

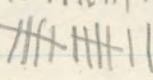
Wallor Gap, starting  
 at highway above

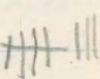
Administration 59


Abn cliffs  59


hemlock 

ch oak  25



chestnut  12

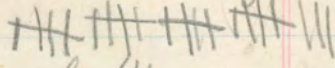
birch  8


beech  2

red maple  6


passiflora 1 basswood 1

Oxyl.  Nyssa 

tulip  23

white oak 

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red oak  hickory 1

Rhod.

Kalmia

holly (some very large)

Oxyl. dogwood

hemlock red oak

Clethra Red azalea

birch Corydalis

tulip Hydrangea

Magnolia Stewartia

Saxif. Cucumber

Hamamelis

Nyssa

Amel.

Rubus

crust

ch oak

botanica

Calapogon	
Eugenia	Osm. cin.
Galax	P. dent.
Gaultheria	Asp. nb.
Mitchella	Asp. marg.
Vacc. vac.	Aspl. ff.
stam.	Asp. spec.
Sol. caesia	Polypody
Eup. purp.	Hicksonia
Viola blanda	
Iris crest	Coryd. semp.
Clintonia	Hesperis
Medeola	Hesperis
Viola rot.	Sol.
<del>Rhodod.</del>	Eupatit.
Clem. virg.	Chamaepha.
Heuch. lowy.	Jack.
Aster. dis.	Malaxis

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Oxalis montana! - morey  
 tree base & Rhod. base  
 at 1850 ft.

Along creek  
 Beckmeria  
 red lobelia  
 Eup. purp. mac.  
 Carex  
 Lycopus  
 Viola blanda

at Falls  
 of  
 Hunt  
 Kan.  
 1850 ft.

All the above below  
 a water fall of 15-20 ft.  
 in same valley as  
 no. 1 trail of yesterday,  
 but higher up.  
 This valley flows

about SSW. - open  
to south.

All appears meso,  
with abund. of  
Rhod. etc

Everything most  
handsome covered

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Trail beyond  
Bear Waller Gap.

Concavity facing  
South

choak	###	###	###	###	18
tulip	###				4
bell oak	###				5
nyssa	###				4
chestnut	###				3
hickory	###				4

In places ~~truly~~ at  
summit in slight gaps



An open stand  
with understory  
of saplings  
& open grassy spots

Oxydendron

Red maple

Nyssa

Crab

Carya glabra

black oak

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Andr

Kalmia

Saxifraga spp

Pteris

Desmunda

Epigaea

Worm

Aletris

Star

red Azalea

Cory

Goldf

3 mids of

Chrys. gr

Brachychaet

Eleph Horn

Solidora

Cassia nic

Honest. Lemny

Euph cor

Always here

Aster purr

In wind tunnel from  
Kalsman

junction of  
Dsm. cen  
" clay  
" regals

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Right at the summit  
a shallow concavity  
open directly south:

tulip ### VIII	9
hickory ### II	7
sh & hick III	3
bl oak II	2

In place tulip right at  
summit

An open stand;  
tulip large

Rest of summit is  
ch oak - sc oak - hick

The basswood &  
a maple by road  
project above summit

Philadelphus on  
summit rock in  
p. Rhod cut.

Fire tower at  
2296 ft.

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In looking out over  
mts from summit of  
Pine mt - Log mt  
to S.E. & over Greasy  
Cr. & etc to W

Uniformity of biot. of  
forest type apparent  
oak - on connectives  
most elsewhere  
with basswood on  
all northern exposures  
Pine on some ridge tops  
M M far more in  
area than all other  
types

In secondary stands following clear cutting, tulip the imp. sp. on all except southerly exposures.

Numerous areas of pure stands scattered all over the visible extent of Roy Mt. chain

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July 15

Going up Clear Creek

(misc plants)

Senecio (Smallis)

Aliodia teres

Arenaria perf

Trifolium (yellow, like  
Lonicera)

Huckleberry      Credites

strawberry

Paspalum strictum

Ceph.

redbud

Desm. rot.

Lichen var

Flats of Clear Creek

Sweet gum  
beech  
sycamore  
tulip  
walnut  
red maple  
hemlock  
hally  
butternut

*Betula nigra* along  
stream

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Smaller -

dogwood  
Magnolia  
magn macro  
Hamamelis  
Corylus  
Sideroxylon  
Rhus cop. (open)  
persimmon  
nyssa  
Aralia spec

Aster prenanthoides  
Panicum (?) strag  
looks like Compositae  
Cephalanthus  
Alder  
Apios                  Carpinus

(a buckeye at base of  
road slope)

Clematis virgin  
Polyg. sagg.  
Mossy -  
Hort ~~sag~~ cover  
Juncus crinitus  
Cucula mac

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Helianthera  
Phlox mac. on  
rock ramp  
Cornus (sp) green h  
wings

The dipping plants  
of Pine Mt go  
into creek - &  
support at water's  
edge, rock ramp  
Back of high road  
line. I. Kalnia  
Rhod. herbaria  
bunch etc

a cut-off swamp  
Spartanum

Thalassium (sp.)  
Polygonum (like Fern Lake)

Slightly higher flat  
brown white red

tulip  
red oak chestnut

Sternaria holly  
Kalmia redbird

Clethra

Hebe  
Ranunculus

Lyc. Equisetum

Anem. virgin. Gailtheria

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Trillium Krigia

Chimaphila

Epipactis

Viola rot

Asarum

Galax

Cut-off swamp - add

junco off

Boehmeria

Scut. lateriflora

Chelone glabra along

Carex sp.

Spartanum border

up water

3 loops across  
Clear Creek from Pine  
Int.  
beech - Tulip - hemlock  
Rhod.

---

Cont. wh. oak flat  
Lyonia  
violet, purple veins  
Malaxis

mat of *Polytrichum* + *Saxifraga*

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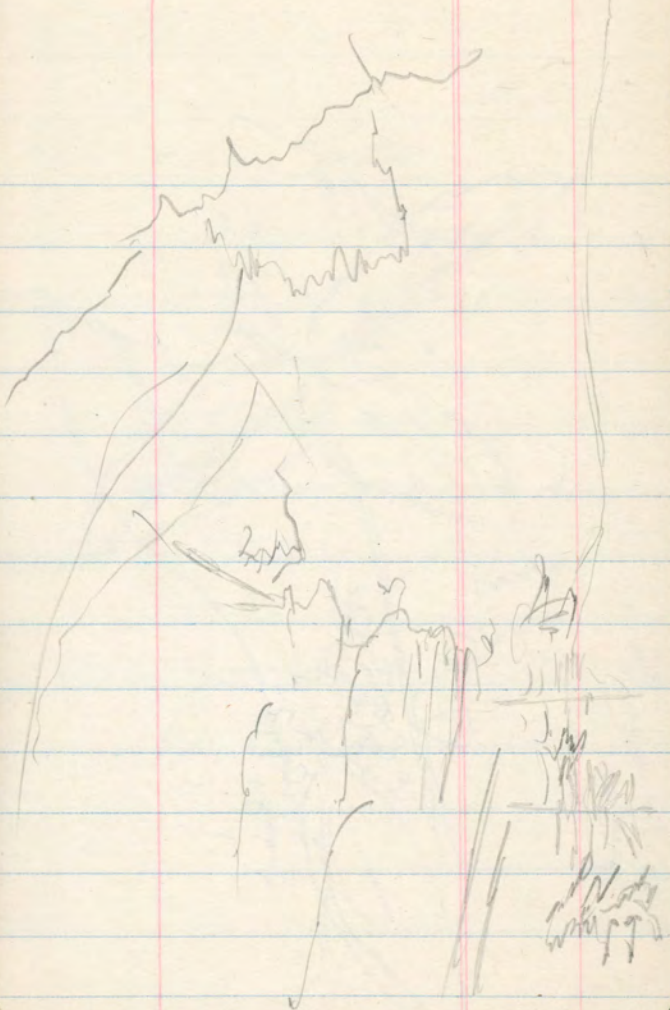
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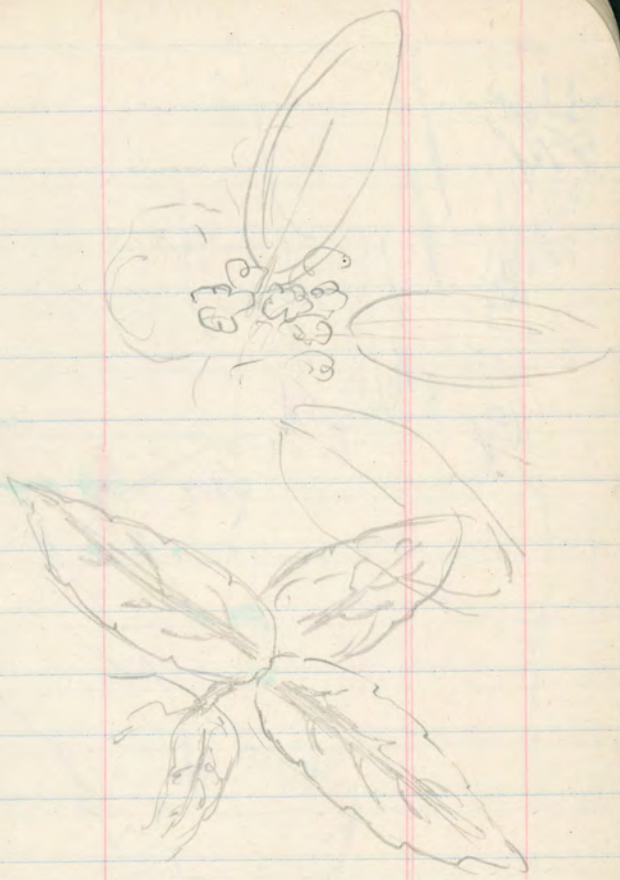
Miss. plants

Geranium mac  
Urtica perf  
"dog fernae)  
Asplenium  
Orchis spect  
Indian pipe



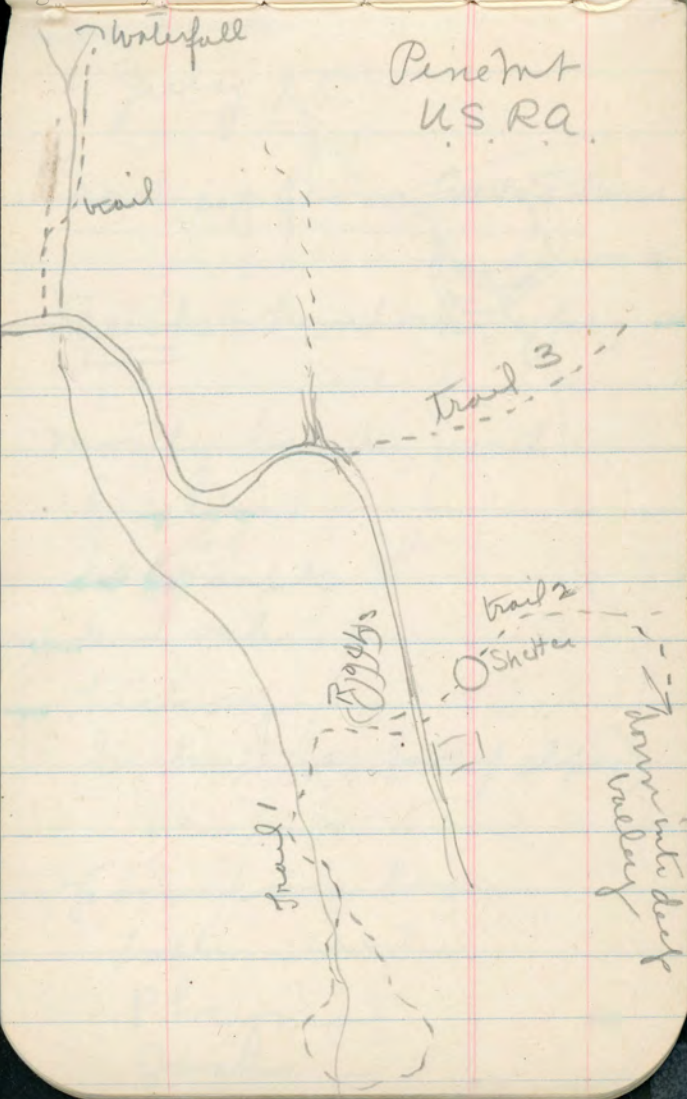
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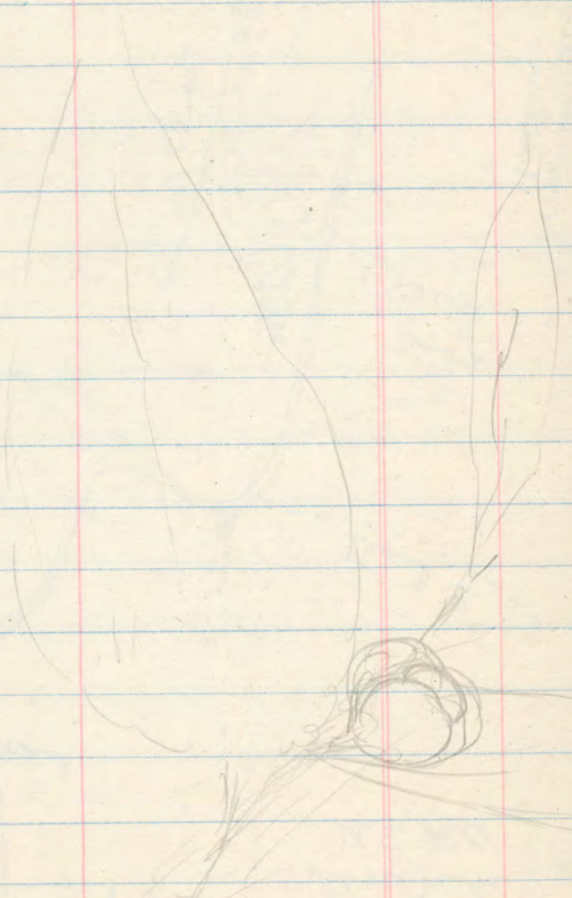




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July 16

Trail up from Auditorium

Beech - hemlock type,

mostly beech, with  
hemlock

red maple

red oak

hickory

butcheye (at foot of slope)

four lower layers

Tullin erectus

Phryma

Jack

Caulophyllum  
Anemone  
Luzula  
Stach. beg.  
Adiantum  
Phacopteris  
Botry. virg.  
Iris cristata  
Stewartia

Goes up to a rather  
narrow ridge below  
new road -  
more oak, incl.  
red & white

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hickory  
but still with beech  
and hemlock on ridge  
& lots of Kalmia

July 17

Staggwood Hollow

Lower part narrow  
& heavily fringed  
with Rhod.,  
(Muhlenbergia)

(1)

Beech IIIIIIIIIII  
red maple III  
hemlock IIII  
red oak II  
chestnut II  
nyssa III

See map at end of book's  
notes for location of road

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tulip IIII  
hickory I  
basswood II

Rhod. hemlock  
Hydrangea tulip  
Cucumber butternut  
Benzoin Carpinus  
Magn. fraseri ash  
birch

to be Aspl. ang  
 Adiantum  
 Aspl. ovata  
 Vitis blanda  
 Lycopodium  
 Polystichum  
 L. aurea  
 A. aurea  
 Ran. recur  
 Trillium erect  
 Ostellia  
 C. mucifera  
 Hydro. Can  
 Phacelia  
 Amphicarp

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(2)  
 valley widens

Rhod. scattered

all on slopes &  
 in many places dense

beech ###

hemlock ###

hickory ###

tulip ##

red maple |

ash |

chestnut |

S maple ###

cucumber |

brakeye ||

walnut |

birch |

Aspl across Goldie  
" ang  
Phegopteris

Cinnamomum Howards  
Laportea Benjamin  
Geranium f. v. v. v.  
Ranunculus Carpin  
Hydrocotyle  
Impatiens  
Caulophila  
Artemisia  
Poly. v. v. v.  
Podophyllum  
Cinnamomum

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Ginger  
Tiarella

Opens up,  
hemlock stops  
Rhod. stops creep  
higher on left  
Becomes more  
typical M.M.:-



(3)

sugar maple					16
hasswood					16
tulip					17
buckeye					9
beech					9
red oak					3
ash					3
buck					1
sp. buck					1
buckeye					2
walnut					1

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buckeye	Stemands
s maple	buck
Carpinus	hasswood
Magnifera	walnut

Papilion	Adiantum
Tuller	Goldie
Smilacina	Aspl. ac
Ranunc	" ang
Scarell	Phen
Hydr car	broad carex
Amurige	Steel. puber
Impatiens	Camp amer
	Astilbe

s. maples on bank of  
Osmond, smooth  
Sol. latif  
Fr. erect  
Cun. volu  
Cinnifuga (both)  
Phacelia  
Cauloph. luteo-pur  
ginger  
Bede  
Impatiens

blondroot  
Urb. quad  
green water  
D. l. y. corn

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up slope on left,  
forest is different

more beach  
Rhod  
pissura  
Diederha  
Epipactis

Almost a west  
slope

(4)

	### ## ### ## ### ##	
beech	## ### ## ### ## ###	54
mt. magn		4
birch	##	8
ch oak	##	7
wh oak	##	7
chestnut	## ### ##	15
tulip		4
nyssa	####	7
red maple	##	9
hemlock		2
red oak		3

Chestnut not over  
upward

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Rhod	<sup>vertical</sup> <del>chestnut</del> cypress
Kalm tree	beech
mt magn	red maple
hemlock	red oak
red azalea	nyssa
Amel	chestnut
vir. acerif	Pyrulana
ch oak	Smilax
Polytrich	Thaspavah
Pedicularis	Plismpauc
asp. n b	Mitchella
Sedum	Urtic. perf
Aspid. div.	Adiantum
Ger.	Slisp. lan
Steer tree	Clematis
Galax	Jack

Epipactis Septentrionalis  
Zosterophylloides Cypripedium  
Habenaria Tenax  
Asp. maritima  
Chimaphila Anemone  
Gaultheria  
Vaccinium  
Iris  
Ranunculus  
Psephodes  
Aristida  
Aster  
Anemone  
Stellaria  
Iris

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On the ridge above,  
chestnut,  
Ch. oak  
~~Kalmia~~

In places (on slope)  
Kalmia domingensis  
lower layer, in  
places Rhod.  
where Rhod., very  
little else

(5)

Ch. oak IIII IIII IIII

Chestnut IIII IIII

July II

birch I

red maple II

y. pine II

Sc oak I

wh oak I

In this part,

Kalmia or Rhod  
dominate

with very little  
ground layer -

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vac. Gulay patches

Mullella

Gaultheria

Epigaea

Houstonia tenuif

many s.s. fragments

cushions of  
Sclerium

Sumbucus

Cladonia

Wigwag

Arnel.

offed

vac. couple

lowest

(6)

Merges down stream  
toward mouth of  
valley with  
hemlock-beech-Rhod

hemlock	###	####	10
beech	###	####	12
white oak			3
chestnut			2
red maple			2
Magnolia			
red oak			
cucumber			
<u>Rhod</u>			
<u>Oxal</u>			

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Aspen  
 Clintonia  
 Mistletoe  
 Gal of  
 Monotropa uniflora

(7)

white oak	###	####	16
beech	###		7
hemlock	###		7
red maple			
hickory			
Rhododendron			
red oak			
chestnut			

(See map 7 pp. ahead for  
location of nos.)

Misc plants

Silene ant

Pop. Norvegica

Rhus glabra

Serenoj -

Panicum claud

Apios

Asperula

Phlox mac

violacea

Sen. Aureus

Elychnis

Jubenaia

Onoclea

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Polyg. sag

Chelone

Eup. mac

Alder

Carex sp

Impatiens biflora

Acuta mac

Boehmeria

Palustris

Rosa palustris

swampy slope in

Elderberry

Sol. rug

Sol. serotina

Ouscuta sp

Trautvetteria

Osmunda cinn  
Clematis virgin  
Sagittaria flab  
Ludw. ~~altiss~~ altern  
Rudb. las

In pinn

Platanus

Sparganium

Callitriche heter

Rubra or Ludw palustris -  
the common one [ ]

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July 18

Miscellaneous

Plants

dry fennel

(Chenop.) - ambrosioides

rayed, horsemint

Solanum; horse nettle

blondetere

daisy

Verbena urt

Prunella

Morning glory, little white

Perilla

(Jimson weed) tatula (Sol.) light

pokeweed

blue morning glory



New island forming  
shows depositing  
flood plain processes  
Helianthus in place  
grasses & sedges  
Ludwigia alata  
Cucurbita max  
Invasion by  
alder  
black willow  
river bank

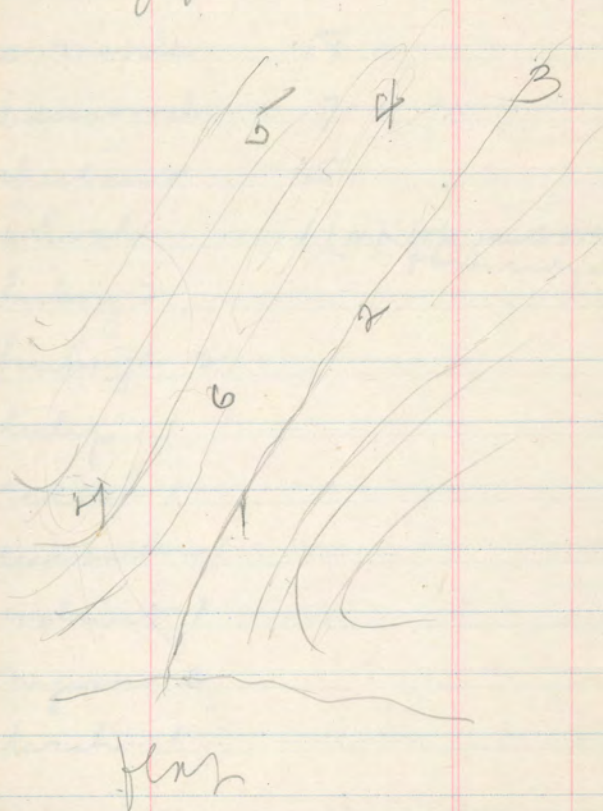
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Misc. plants

Chen. album  
Galinsoga  
Plantago lance  
                  aristata  
catnip  
Verbascum blattaria



Staggerweed / Holm



July 19 (copied from NB<sup>30</sup>)  
 Left hand slope of Beech Saddle  
 Joe Day ridge.

s. maple	18
basswood	7
chestnut	5
white oak	1 (on top, just over flow ridge)
hackberry	2
hackberry	2
tulip	1
red oak	1
cucumber	1
walnut	1
nyssa	3
birch	1

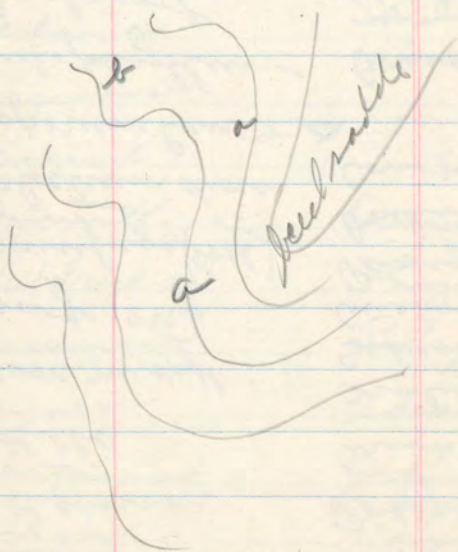
Under : -

dogwood	
s. maple	Hamamelis
ash (Bilt)	Pyrularia
red oak	Benzoin
hackony-glabra	Hydrangea
wh. oak	Cornus alt.
cucumber	Arist. macr
chestnut	Smilax bn
basswood	bit. acerif
hackney	
walnut	Osmunda <u>Clay</u>
redbud	Phegopteris
basswood	Botry: veng
nyssa	Adiantum
Carpinus	Asp. n. l.
birch	Polystichum

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Psedera	Asarothiza smita
Sol. caesia	Podophyllum
Astilbe	Arist. perp.
Hesm. nudifl	Aralia rac.
Cynog. veng	Sedum
Cimicifuga (both)	Anemone
Thalictrum divic	Passiflora lutea
Disporum lan & Δ	Orchis spec.
Caulophyllum	Compholis
bloodroot	Arisaema
Amphicarpa	Laportea
Geranium	Circaea
Aster div	Sol. latif
bidastoneana	Ascl. phyl
Smilacina	
Heoscorea	
y. violet	
Jalium lanc.	

This left hand slope goes  
down to head of branch  
ravine of Joe Day and  
is area a.



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Area b is essentially  
same: - but has more  
wh. oak

s. maple	9
Chestnut	3
basewood	2
Myssa	2
tulip	2
wh. oak	6
cucumber	1

Occasional Rhod.

Steer ground

Epipactis

but much same as a

where dead chestnut  
on s. w slope to  
beak saddle, young  
Tulip is growing  
buskily

also s. maple & beech