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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.



# MEMORANDUM BOOK

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17

R-210-Open Side  
R-211-Open End

MAY 2 1935  
E. LUCY BRAUN  
2702 MAY ST  
CINCINNATI  
OHIO

May 2 - 6, 1935

- May 2 - Cin. - Partridge  
3 - Joe Day ridge to  
beech saddle  
4 - Joe Day ridge to  
Rim Ridge.  
5 - Joe Day Creek  
6 - Partridge - Cin.

May 2, 1935

Oak woods on rise  
along Rockcastle R  
White oak

vac. Stam Amel,  
" vac Alder  
" coryat p. ivy

*Cnicus auriculatus*

Bluet " major

*Hypoxis*

*Chelone*

*Opalis violacea*

*Aster div.*

*Anemone*

*Stellaria pulchra*

*Ran. peruviana*

*Hemerocallis longifolia*

*Senecio aureus*

*Salvia lyrata*  
Ran. *hispidus*  
*Arisaema trioph*  
*Potentilla can* + *pumila*  
*Viola* sp.  
" *rostrata*  
*Urtica* perf  
*Lilium canadense*  
*Thalictrum pin*  
*Thalictrum unifl*  
*Trigon*  
*Polystichum*  
*Luzula camp*  
*Polygonatum (spec)*  
*Chenopodium*  
*Geranium*  
*Vicia can*

(up to pine-orch)

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*Oxydendron*

p. pine

*Smilacina*

*Clasyst. laev*

*Sphagnum* on bank of  
creek

8 1/2 mi N of Coler  
goral + big

Svamp at Farston  
(+ just N of "church")  
pin oak - sweet gum

Carex gym

Iris

Card. rot. + C. -

W. hemlock Anemone

Dracopis Ran. recur

Itea

Chelme

V. cucullata

slope of swamp

Vista pubescens stall in gum  
" basale + some white oak  
Ermyno  
I. rostrata?  
Sclerola pulchra  
p. my

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Forest -

Dracopis -

pin oak

red maple

Sv. gum

D. michauxii?

slope!

sweet gum

oh, oak

tulip

Svamp, cont.!

alder

leaf part.

Betula nigra

small black under

at margin of red maple

fac. corymb  
asp. nuda  
Habenaria

In the part w.  
bush in understory  
(less wet)

Rhizis  
Corylus  
var. corymb  
blued  
Carpinus  
Rubus hispida

Azalea esp where not  
so dense in water  
(Azalea very fragrant)

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Selaginella

May 3 - Joe Daybidge

I Hemlock - Rhod

Hemlock	###	###	###	###	###	###	27
red maple							2
chestnut	###					beech	1
M. fraseri	1						

UNDERSTORY

Rhod.

dogwood	tulip
nut laurel	Oxeye
Mitchella	Arnel
Oederla	
V. rostrata	(conspicuous)
" rotund	Sporse herb
Asarum big	layer
Smilacina rac	
Lipularia	
Cyperus accaule	

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cushions of moss - Leucob., Des

Soil - thick duff ①  
 brown matted soil ②  
 " sandy ③

Aster divaricatus

II II + III = II ✓

Hemlock begins to drop out - Chestnut increases (Herbs, the same)

Chestnut	###	###	###	###	1	26
scr oak						
Arnel	1	ch. oak	<del>###</del> <sup>3</sup>	wh oak	2	
Nyssa		hemlock				
red maple	1	birch	1			

Under

beech	Rhod	Nyssa
Arnel, many & large	Kalmia	wh oak
dogwood	red maple	
V. hastata	M. fraseri	



The V. rotundifolia drops out  
+ Asarum " "

Galaxium

Soil - 1 inch matted root + leaf (4)  
duff (5)

1 inch grayish sandy (6)  
~~the~~ yellow sandy (66)

Hesperis matronalis

Heuchera (like the Day's spec of 1934)

III " longifolia

Towards Knot, Kalmia latifolia

Galaxium, tr. arbutus

II+III = II Asarum

III Knot + juniper for wintergreen ✓

Chestnut III III I

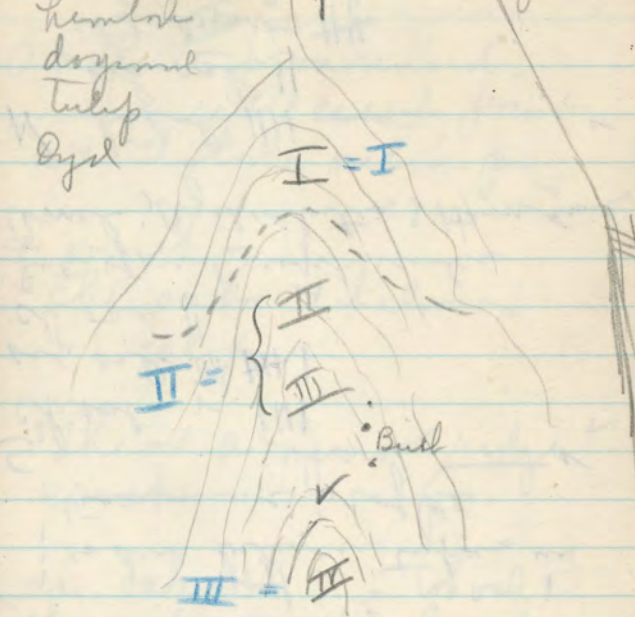
wh oak III

beech II (a little over to N) I

sc. oak III

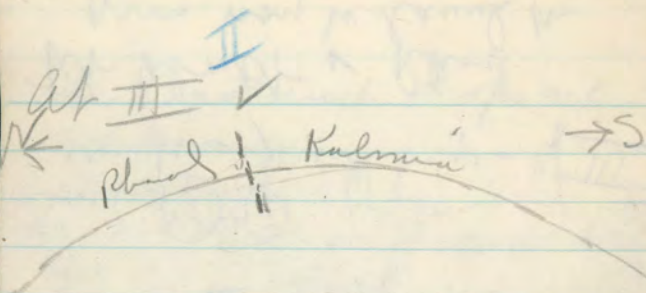
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red maple ✓ red azalea  
Underst. ✓ Pyrola



Soil (7) (8) from  
under bark trees of III

Rh about ✓ Rhod  
gives way to Laurel on  
crest and on edge to south  
but not to north



∴ is div. between types in transverse profile

S. Chestnut IIII  
 sc. oak IIII I  
 ch oak II  
 lot of red maple under  
 Amel; Azalea lutea; Hamamelis

N. beech IIII  
 wh oak II  
 chestnut III  
 red maple II  
 hickory II

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~~sc. oak~~  
 sc. oak I

At IV = III a pronounced  
 rocky ridge crest, front  
 sandstone outcropping

on it -  
 ch. oak + Kalmia  
 h. galax

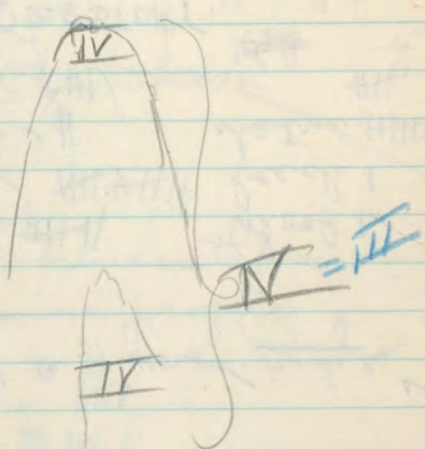
Then a narrow ridge crest





sc. oak IIII	wh oak I
ch. oak IIIII	beech I
hemlock II	chestnut IIIII
hickory III	III

**UNDERSTORY**

Amel. Hamamelis  
 Kalmia hemlock Coreopsis major  
 Hicoria venosum Galax

W  
↑



- Ridge, cont  red maple  
 Azalea lutea  Smilax gl  
 Cornus altern  " br  
 Rhod  
 Dogwood   
 Hostonia tenuifolia  
 Gaultheria  
 mats of Moss + Cladonia

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Steep IV of IV  
 Soil 11 12

- Chestnut III III III  
 birch |  
 ch. oak III II tulips III III  
 s. maple III hennock |  
 wh oak |  
 beech III III  
 hickory II  
 dogwood (the maple is sacch + nigra)  
 hennock Rhod  
 Cornus altern Amel  
 Pyrus  
 witch hazel

- Tr. grand Adiantum  
 Geranium Ascl. quad  
 Anemone Polyst  
 Sedum Asp. Mary  
 Cynoglossum Cinnifuge  
 bloodroot

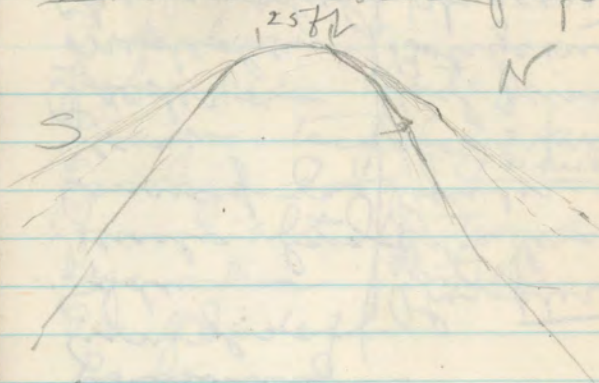
Steep S side  
a *Kalmia* heath  
dogwood

Ch. oak IIII  
sc. oak IIII  
pitch pine I  
chestnut IIII

*Hamamelis*  
dogwood  
Galax  
Cornel  
Kalmia

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IV in transverse profile



For no apparent reason  
comp. of ridge &  
S slope for a time  
is dominantly sc oak  
Ridge: S slope  
sc. oak IIII  
chestnut I chestnut II

Then back to mix  
as listed

Soil 9-10 on ridge in  
IV - thin drift

Down in north slope  
woods -

Soils 11 + 12 mull  
clayey below

Flowers - 7 small mostly  
Utricularia perfoliata

Asp. novel

Thaspis atrop

Stellaria pumila

Anemone

Cynogloss

Sedum

Phryganea

Hieracium longistylis

Amnicifera

Populus

Geranium

blondin

Psedera

Ascl. quadr

Medeola

Botrychium

Chimaphila vit. acerif

Orchis spect

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Polestich

Ran. hisp.

Tapularia

Cyprpeda pubesc

Magn. trifoliat + fascic

Erigeron

amer.   
O acum

Cornus alt

Gentiana

Cucumber

Smilax

Tr. grandif

basewood

Chenopium

Euphorbia

Phloxes

Ascleb

Asplen. lutea

Adiantum

Carlyphyllum

Disporia lanug

Rhododendron palmeri

doxymid

maple tree beech

medicinal

muscle

Add this to N slope <sup>III</sup> IV ✓

(Picture 5)

- Forest here is
- s. maple IIII
- chestnut IIIII
- basswood I
- red oak I
- birch I
- tulip I
- hemlock I
- beech II
- ch. oak I

Chestnut 1/2 1/2

A short spur ridge projects toward Joe Day.

Spur is mostly chestnut w. much Rhod. dogwood  
A rocky spur amel.

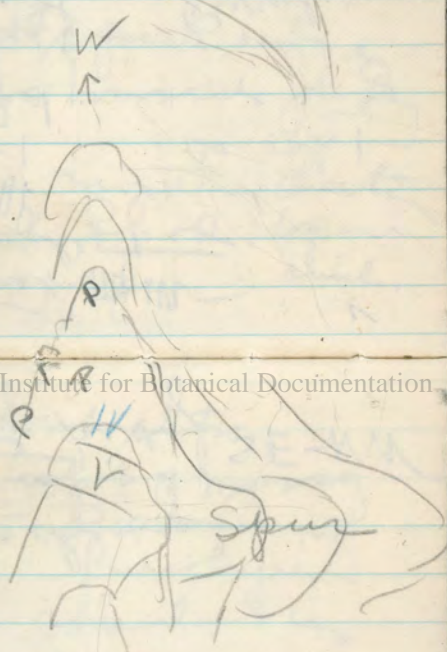
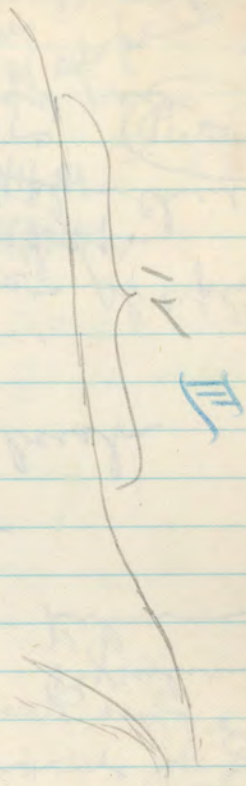
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- Chestnut IIIII
- red maple I
- beech III
- ch oak I
- sc. oak I
- hemlock I
- tulip I
- bushy
- via card
- Pyralis
- Azalea later
- Kalmia
- Polyst
- Pedicularis

much little beech

Spur next rises sharply to ridge, this shows Kalmia & oak - chest

Ridge IV also rises sharply.



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<sup>IV</sup>  
 IV is chestnut IIII IIII  
 ch oak II  
 p pine IIII  
 red maple I  
 ac oak IIII  
 the pine only at P

Glenn Kalmia

V stays flat +  
 changes to  
 ch oak down - IV  
 to - red maple I (Va)  
 ch oak IIII II  
 beech IIII II  
 chestnut IIII III

Understory with open  
 both layers of  
 Kalmia, Rhod. &  
 Galax Azalea lutea  
 Yucca, etc.

under—  
 s. maple Pedicularis  
 wh oak  
 beech  
 Dryd  
 tulip  
 red oak  
 hickory

Ridge is changing in  
 direction  
 axis of ridge SE-NW

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Southwest slope,  
 understory + mossy  
 at top - Dicranum  
 Lencobryum  
 Azalea abundant in  
 this part - V, (D)  
 Va

beech		
ch oak		
chestnut		
red maple		
hickory		
s. maple		
wh oak		
Azalea lutea		tr arbutus
Kalmia		Dryd. chimney
Rhod		Polyst
vac vac		Juncus
dogwood		Poa. Ant. palmar
tulip		Krugia
B. nudata		Potentilla frumida

See more  
 notes later



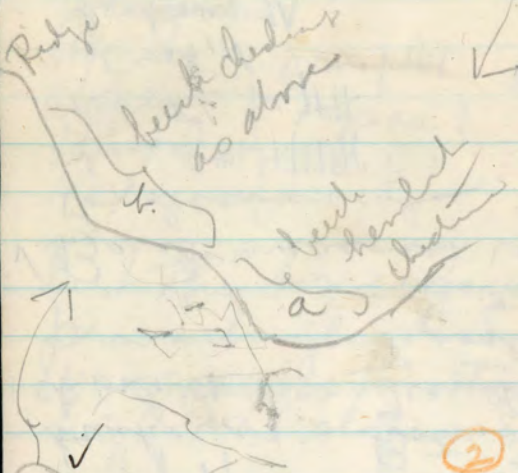
RAIN

down into branch of  
Joe Day

Sycamore along  
stream  
beech  
hemlock  
Alder } a

Urtica dioica  
Viola blanda  
Phacelia  
Hydrangea  
Asarum canadense  
Mullein

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(2) ✓ 6 in / tall  
Tulip tree  
over?

(1) Chestnut IIII  
ch oak I  
beech IIIII  
sc oak I

Lots of little fern  
" " " " Tulip  
Hesperis Medeola  
Polystichum Asp. n b  
Thaspium atrop  
not a rich herb. cover  
Chond. cinn.

Thal. divica

Aspl. ungu  
Phegop  
Cyprip. pub

rip a little toward  
head

✓(3)

u. Symonell II

fisher ~~###~~ ~~###~~ ~~###~~

hemlock II

chestnut IIII

wh oak I

tulip II

buckeye I

ch oak II

Hydrogen  
Asterace

grassy

Cercocarp

larkspur

Can. violet

Cyst. fragilis

Orchis spect

Botr. virgin

Tiarella

V. rostrata

dent. sac

✓ Beech increases in  
(b) headward (4)

beech ~~###~~ ~~###~~ ~~###~~

chestnut ###

wh oak I

hickory II

(3)

vc

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ch. oak I

Opul. | s. maple I

Azalea | Nyssa I

Rhod. | tulip I

Kalmia

but the lower layer  
previously died  
in contrast to slightly  
higher on slope

Senecio

Gersonia

Pib. greenf

M. fraseri

Resing out of immed. hill  
& circling back to join

SW slope count

but not much Kalmia

& lots of Azalea &

Smilax lvs

(4)

YD

(5) ✓

(4) Yb

Chestnut IIII  
beech IIII  
hickory I  
red maple IIII  
ch oak I

Soil of picture & area  
in beech-ch-ch oak  
thin duff layer 1/2 in.  
2 inches grayish brown soil  
then yellow (13) sandy-duff (14)

This on ridge top ↑  
Soil 15 + 16 part way  
down SW slope  
in Beech-Kalmia-Azalea  
ch  
no duff but a thin  
org. film

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1/2 - 1 in grayish (15)  
then yellow sandy (16)

Descent

(2) a

Out from shelter of the  
mth (?) the SW slope  
changes to (huge chestnut)  
chestnut IIII IIII IIII ✓  
~~chestnut~~  
beech III  
red oak II  
tulip I

b

Lower on the SW slope -  
~~beech~~ lots of Rhod. Kalmia  
beech IIII IIII I ✓  
chestnut IIII  
red maple IIII  
hickory I  
hemlock IIII  
S maple I wh oak II

Lower

Kalmia-Rhod.

wh. oak IIII  
chestnut II  
hemlock II

Castanea pumila  
dogwood  
holly

Lower, toward dome (1)  
hemlock increase  
hemlock III IIIII  
red maple III  
chestnut IIII  
wh oak I

tr. arbutus  
anemone  
Viola patens  
" blanda  
Some Kalmia

M. fraseri  
+ Rhod dom. w. some Kalmia

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May 4.

Over on N slope where  
trail reaches beech ridge,  
there is no beech (higher, w  
beech just over edge from ch. oak ridge)  
Ascent from flat beech  
ridge — VI VI

beech drops out (2 near  
ft of rise)  
Forest is chestnut oak  
ridge type with scattered  
oak

In understory are some  
small more mes. sp —  
s. maple, basswood, cucumber,  
beech, ash, yucca,  
red maple, Amel., Dryd  
red oak, Hamamelis  
dogwood, hemlock  
Azalea heter, (var) var, Pyrola  
Vib. acerif  
Kalmia

VI VI

Ch. oak IIII IIII IIII IIII  
chestnut II  
red oak I  
beech I  
hickory I

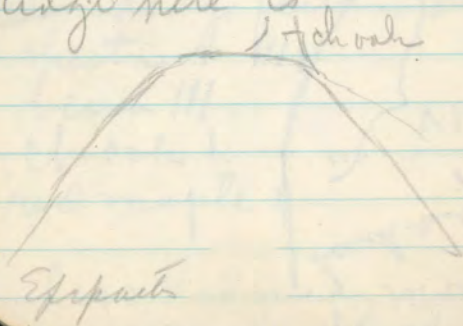
Hekonehus dir  
Heuchera long  
Polygonate trifl  
Pedicularis  
Steg. quad  
Thaspium atrop  
Sedum  
Gaultheria, Galax, Epipac  
Hier. venosum  
Chimaphila  
Saxifraga Smilax  
Hypoxis

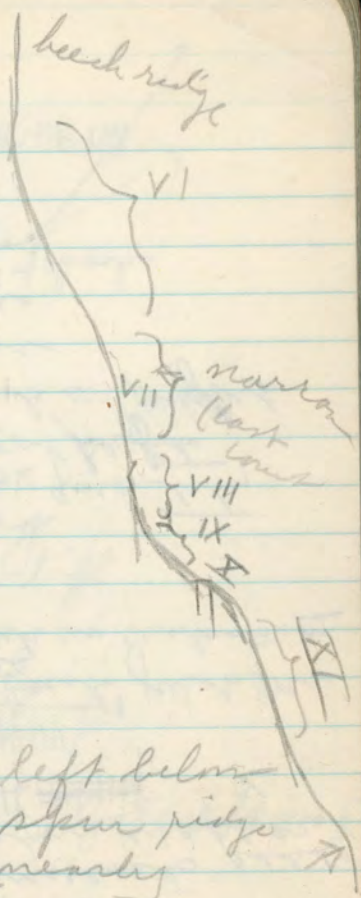
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VII VII

Ridge narrows -  
Kalmia increases added  
(Shrub. as before, except as <sup>above</sup>)  
Chestnut IIII ~~IIII~~ ✓  
ch oak IIII IIII IIII  
(a smaller beech just over  
edge) (occ. beech in understory on  
ridge)

dogwood in quantity  
just over on right  
not so much on left  
except lower  
Ridge here is





A cone on left below  
 or another spur ridge  
 across it nearby

s. maple II  
 Tulip II

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Cucumber II  
 basswood I  
 chestnut III  
 ch oak I  
 Nyssa I

Wintergreen  
 Azalea  
 Disporum lan  
 Trill grand  
 Acer penn  
 M. fraser  
 Cucumber  
 Geranium  
 p. ins

Osm. Clayt  
 Gentian  
 Y. Cyprip  
 Disporum Δ  
 Polyst  
 (similar to prev. n. slope)

VIII Ridge flattens VIII + IX = VIII

chestnut IIII  
 beech III  
 ch oak I  
 red maple I

Less Kalmia, more beech  
 in understory

Sandstone pieces  
stem on ground  
lots of watergreen +  
galat

IX VIII + IX = VIII

steep rise again,  
but not a ridge  
ch oak ###~~###~~####

Chestnut ###

buck 1

hickory 1

wh oak 1

Azalea + vac. corymb  
+ vac. the inf. buds  
not much Kalina

Pteris  
Magn. fraser  
Sen. v. v.

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Soil (17) + (18)

a black humus film

slightly mixed layers (17)

yellow sandy (18)

Lots of sandstone  
fragments on surface

X = IX

Rise very steep -  
sandstone outcroppings

This rocky place  
with Sedum, Pedicularis  
Vicia geraniiflora, Senecio  
Polystichum, Hesperis matronalis  
Cirsium major Antennaria  
mats of Pteris  
Corypholoba Thuid

Chestnut oak dom  
at this horizon

24 ch. oak, 1 Chestnut

$$XI + XVI + XIII = X$$

XI Less steep again  
& more evidence of a  
ridge, but rising

Ch oak ### ### ### ||

Chestnut ### ||

Oxeye |

(Cont below)

Red azalea enters in front  
Oxeye here

A very steep drop in  
left to deep valley

s maple ### ### ### ||

basswood ### ###

cucumber ### ||

red oak |

cherry ||

chestnut ### |

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very messy -

Lots of dogwood

Pyrola

Steep rise again → on  
Aspect is that of profile  
rocky ridges of mt. top  
Same S.S. outcrops

Azalea red

Cornus florida

var corymb

(This ridge going SSE)

Thaspis atrop Anemone

Thalictrum dioicum Iris crest

Sedum Ranunc. heptifidus

Galium lance. broad lance

Nerch long. Steir quad

Hieracium longep

Asp mary.

Trill. grand



Right hand slope (SW)

ch oak IIII

S maple III

cucumber II

chestnut III

bush

dogwood, but not quite  
as much as on other  
slope

~~XII~~ XI + XII + XIII = X

Rise steep but not  
rocky chestnut  
more imp

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Chestnut IIII

ch. oak III

Plenty of Azalea + var. corymb  
purple vein blue veins  
(herbs as on previous page)

Back to chestnut oak -  
chestnut where more  
rocky

Araliac,  
Cyprip. pub.

A big tulip tree just over on left

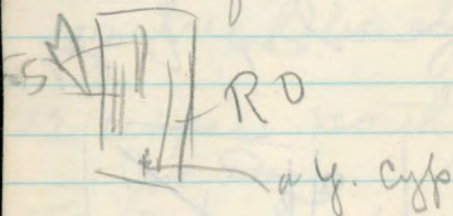
Another very steep rise  
to valley below is wider  
left slope getting more  
Rocky +  
chestnut oak goes away  
down

5  
②  
Pascata

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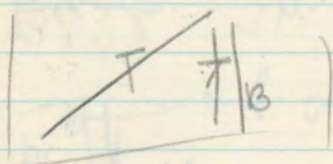
14 Pictures

1. } Black mt rise spurs  
2. } 10 mi. s. of Cumberland
3. Hemlock type of Joe Day ridge,  $\frac{1}{2}$  on 22
4. The ridge in IV III  
The trees are chestnut oak
5. In the north slope woods where flowers listed after IV



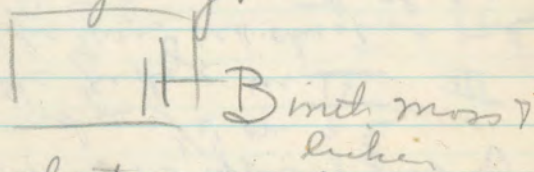
6. Beech - SW slope -  
w. Kalnia under
7. At "foot of mt" in  
branch of Joe Day  
crest (a) after rain

beech, chestnut & holly  
tulip - leaning to



lots of dogwood

8 beech - ch. oak - chestnut  
ridge type



other trees mostly <sup>lichen</sup> ch. oak,  
beech in m. in m. dist  
& ch. to right " " "

9. Phacelia, <sup>holly</sup> breeches

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10. Summit Knob on  
Rim Ridge

ch. oak - Kalmia with  
p. pine beyond

11 Heath bald on Rim Ridge  
Shrubs in part on  
Kalmia, lnc. corymb.  
vac vac Epigea  
Andr. between  
some tree like shrub

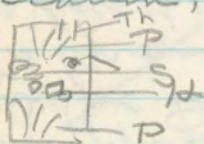
12 upper north slope  
in Joe Day

Tr. ground + 1 red creek  
to left of the, Larkspur  
slar eye checkered Thalictrum

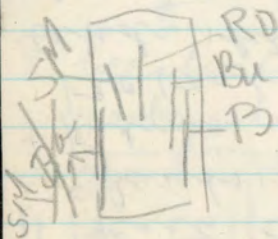
K41

(2)

1. On Joe Day  
Purple Phacelia, Huckleberry (road)  
Sedum, tall Thalictrum

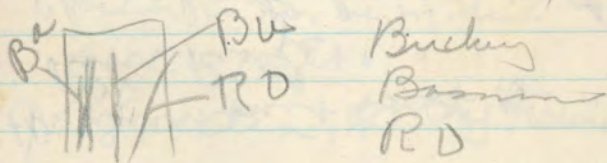


2 & 3 left side of creek  
above clearing, in "uncult"



S nearly

# Opp. slope N nearly  
trees are



Buckeye  
Basswood  
P D

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Ridge continues to rise  
steeply  
and cont. more or less  
rocky, + with lots  
of red azalea + huc. (3<sup>rd</sup>)

3<sup>rd</sup> ledge of ss. w. Polypody  
90" very "

Below on left very mess  
again (place where oak  
went down was a ridge)  
mostly sugar maple  
Slope is nearly east here  
occ. cucumber

XIII - XI + XII + XIII = X

A very steep rocky rise  
& narrow ridge; south W  
side has much oak  
esp ~~at~~ Kalman Forest  
is all oak-ch

On left becoming  
 more northerly, NE  
 sugar maple, tulip  
 buckeye, ash, ~~chestnut~~  
 basswood IIII II  
 s maple IIII IIII  
~~basswood~~ I  
 tulip IIII  
 red oak IIII  
 tulip II chestnut II  
 ash II

III, a (goes into xII)  
 Ridge itself is deeper  
 soil, no ss fragments  
 & aspect more more  
 drier crest + Seden

Right slope much  
 like ridge is here -

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almost no heather  
 except on base  
 much maple in understory  
 though forest itself is  
 chestnut oak -  
 tulip not far down

Soil of ridge loose +  
 crumbly; mull  
 depth to 3 inches (19)  
 + <sup>dark</sup> yellow clay below (20)  
 pebbles absent

Rock fragments are shaly  
 Some moss herbs -  
 Utricularia perf Claytonia  
 Cinnifugus bloodroot  
 dioscorea Zingiberaceae  
 Asteraceae Ostrya  
 Helophium Taenidia  
 Trillium grand  
 much bitacerep

A big locust on ridge  
a birch ~~to~~

XIII, 2r

A Sandstone & the  
heights present on ridge  
have colymb, but have  
red azalea

Aristolochia macro

(Opposite slope of Joe  
Day (above trail) very  
steep, very rocky  
towards top with outcrop  
ledges; scattered fern  
in upper part

Whole slope that trail  
is on as it comes around  
the ridge & works up

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is mostly chestnut oak - chestnut  
About the level of the trail  
a few s. maple

Part on our ridge  
high cliffs - Geophom

On n.e. slope mess forest  
to foot of cliffs

with Oculus spect., Dispor  
s. maple III III

basswood III

cucumber II

July 1

red oak III

chestnut II

ash II

Fulling ground

& above cliffs, but  
with cherry & big Osage  
s. maple & basswood

Much Caulophyllum  
Larkspur patch, green  
violet, Arest. macra  
Cornicifera bloodroot  
Adulbo mayapple  
Viola can Rubus allegh  
Disporum x

Soil - mull - clayey  
below (22) - (23)

This above diff near  
ridge but on N side  
where Artith etc

XIV XIIIa + XIV = XI

Ridge here with deep soil,  
steep but not eye.

Chestnut ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~  
red oak |

S. maple |||

hickory |

cherries |||| red oak |

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no heath; much Solidago  
Rubus allegh Dasystoma

poor ground layer

Tuttham ground

Slent. bac.

Disporum lin

Cornicifera

Urnularia ground + perf

Nearly on knot herb. layer  
more richer, esp. Sp. ground  
mayapple Geranium

occ. dogwood

XIVa

Over summit knot 5  
S slope of knot mud  
drier, bac conyul  
red azalea, amel  
bac bac

Spring east on Pine Ridge

One Day slope meso to  
very top

dogwood on Colliers slope,  
to top

Ridge was down, <sup>4</sup> chestnut  
or. occ. other trees - red  
oak, cherry, s. maple (edge)  
In the repr., much simpl.  
Can it replace dead chestnut?

No ch. oak along this part  
of ridge.

Chestnut oak starts at  
top of next rise (bet. 4 & 3, at  
about i)

A chestnut oak area

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fruits open below,  
ground mossy  
much Hypoxis,  
then vac. layer + red azalea

Over edge on S, dense  
heath layer of Kalmia,  
vac. cover + some of  
vac. vac. Pyrola  
Forest: - ch oak, chestnut  
+ sc. pitch pine  
dogwood along the ridge

Asp. n. b.	Smilax
Gentian	Anemone
Coreopsis major	Potentilla frum.
Stellaria parviflora	
Stemmen	

(Kalmia to crest, vac. +  
azalea on crest)



5M

300-100 ft

P. pine  
Kalmia

Next knot, <sup>ascent</sup> ~~rise~~ W slope  
Kalmia to path from  
S side

Epigaea, galax = 3  
trees mostly ch oak  
Picture 10

Soil 24-25

1/2-1 in duff  
about 1 in grayish-brown (24)  
to yellow sandy clay (25)  
On places in laurel  
heath duff is 2 in. thick

An approach toward  
a heath summit - Bat  
2

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Kalmia - Azalea (red)

Lar. corymb., V. vac

Galax - Epigaea

Gaylussacia

Angelica

Aspid. scap

edicularis

very dwarf oaks (10 ft)  
& pine, & dwarf chestnut  
Pine dom. on south  
side of knot 77

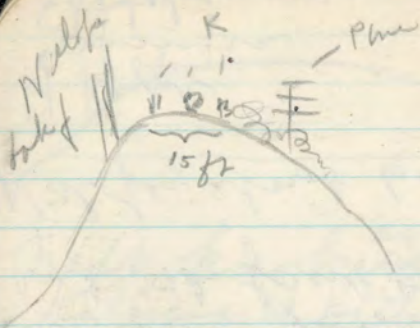
At top only 30 ft wide  
bet. pine-heath S side  
and oak forest of N side

N slope about 60°

U. cyper

Sussuria

Tabernaem sp ??



Heath Bald cont - 2  
 Anem. (spec) (glabrous)  
 Oxydend.  
 Rhyssopodium  
 Sarcocarpus? asteroid  
 Picture II - where no trees  
 in heath bald  
 some kind of tree-like  
 shrub, = choke cherry  
 2 tall sp of vac  
 Solidago sp  
 Polytrichum (not much)  
 Sassafras  
 pub. Anem.

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Start descent of  
 Knut + trees become  
 larger + heaths cont  
 as understory

Slope down to saddle 1.  
 bet. l.f. of Collins + Joe Day  
 Kalmia drops out fast

Tall vac caught + Azalea  
 lost -  
 Trillium in saddle

---

Over on n. slope -  
 In Trillium - last spec  
 in

Soil 26-27

28-29-30

May 5-  
 up Joe Day Branch

Lower valley  
 hickory ###  
 wh oak ###  
 s maple # # #  
 beech # # #  
 hickory # # #  
 tulip # # #  
 red oak # # #  
 red maple (###) # # #  
 buckeye # # #  
 Chestnut # # #  
 Rhododendron # # #  
 magn fraser hickory  
 dogwood beech  
 tulip mulberry maple  
 birch Popularia  
 Cornus alt. *Carolinensis*  
 Anemone *mitchellii*  
 v. blanda *hostata*  
 medeola *rostrata*  
 Caulophyllum *scabr*  
 Urtica *Stellaria*  
 Tr. grand *Geranium*  
 Phegopteris *Adiantum*  
 Polyst. *Jack*  
 Polygonum *Circaea*  
 arifolium *Scilla*  
 bloodroot *Asp. speciosa*  
 Botry. virg. *Aspl. acrost*

The Rhod. only near stream  
 the variety of herb plants  
 above them. Herbs of  
 Rhod. Herb. above line  
 Dogwood fairly abund. in both  
 Areas of 2nd growth tulip  
 on lower slopes of this part  
 of valley + woods

below beech flat of ridge



Stream valley narrows  
hemlock more limited  
in lateral extent

A clearing

Above clearing

(much cut out)

beech, tulip, dogwood  
A maple, buckeye, red oak  
chestnut, red maple, m. frax

brodiaea corn Goldie fern

Astilbe Asplang

~~L. exalt.~~ " acrost.

grand Tract Polyst

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Mullein Botr. obl

b. rotund Camp. dry on

Sedum a beech tree

Rhachis Cyst frag

Hypoxis Botr. wood

Jacks Asp n b

Ranunculus Benzoin

Arum Hydrangea

V. rostr. Ham

V. blanda Psedera

Lentain dis Vit. nearf

Larkspur occ. Rhod

Ginger p. wy

Cryptolapsum Pyrus

Mayapple Cornus alt

Impatiens Erythr

Collinsia Anemone

Orchis spect Aster dis

Smilacina Teared

Stellaria Caulsp

Osmorhiza mont Thosp pin

Desmodium Thosp

(2)

beech	###	6
s maple	### 1	6
red maple		2
in fraxin	1	1
chestnut	### ##	10
tulip	###	5
red oak		3
buckeye		2
basswood		3

Impatiens	
Hydr car.	
Stachys cordata	Caryophyll
V hastul	Cucumber
V pap	<u>dogwood</u>
Thasp atrop	
Cynog	Arist man
Pedic	
Constrica car	Impatiens

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Smilacina	Squirrel corn
Galen	Pan lisp
	Aplectrum

(3) Unm, steeper side  
(exc. prot. tulip)

buckeye	### ##	15
basswood	### ##	14
chestnut	### 1	6
s maple	### ##	13
beech	###	7
tulip		4
birch		2
red oak		
Nyssa	1	
cucumber		
	butternut	1
	Cornus	
	ash	1

lots of small Frax belt

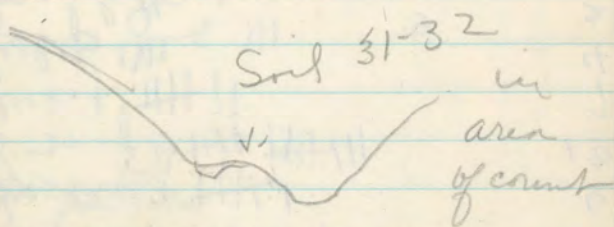
Left side of creek -  
 Undergrowth not great  
 so dense  
 less buckeye  
 more dogwood

See previous

Slopes NW + SW more  
unless

Beech does not go up  
north slope at all  
but does go up S

An open place with  
a lot of small tulip prob.  
where the big tulip was



2 in. of soil on rocks  
makes herb. cover as  
but rocks

Hump bet. forks of lower east  
is now in count preced. p.

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- Left hand slope (W)  
is sugar maple, mostly  
s maple III III III II  
basswood III (see next  
page)  
sycamore I  
red oak II Chestnut III  
beech I ch. oak I

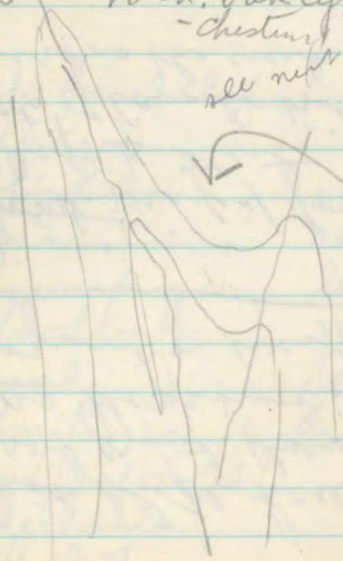
+ grass may upward some  
to ch. oak type of trail

- Chestnut page for herbs

see next page

Type of  
prec. page  
count cont.

on ->



East slope here is  
2nd growth (large) tulip -  
no dogwood; lots of  
dogwood on west slope

5) Good mixed forest again  
flisp & stuts  
Lots of Canada birds (none  
across the creek on west slope)

3 maple ###-###-###-||

hasswood ### |

beech |

hickory ###

tulip ||

ash |

Considerable dogwood

red oak |

(*Conopholis*)

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chestnut |

Saplings -

hickory

hasswood

maple

cherry

ash

Left hand slope (w. preceding  
page)

Polystich

Geranium

Asarum

bloodroot

Jack

Smilacina

cut leaf roots

Stellaria

Thalictrum

Morus

Benzoin

dogwood

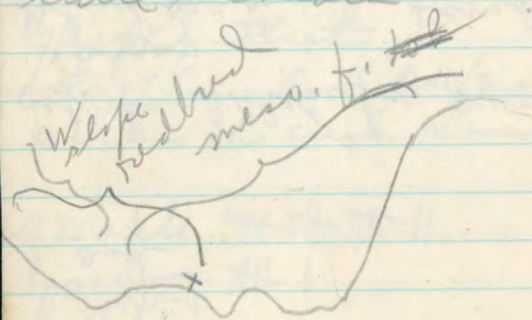
lots of red bud

w. grape

Sedum

Maple much less  
chestnut much more  
here lots of red bud

+ this changes up slope  
to oak-chestnut with  
little beech



Herb list from lowest  
slope

x soil (33) + (34) - Red bud  
very friable

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Urb. perf. *Compositae*  
drosocra *amer.*  
Adiantum *unula*  
Collinsonia  
Geranium  
The grand  
Stellaria  
Trillium

Rocks have bedrock  
instead of Phacelia  
great patches of vit acerif



(6)

Back on right side  
below "half-way rock"

basswood	### TTT ###	15
maple	### TTT ###	15
ash		2
sh b hickory		1
beech		1
red oak	###	7
chestnut		3
hickory	###	9
cherry		1
tulip		1

Soil (35) (under leaves)

(36) dark very fine, at 2 in.

(37) reddish brown clay at 7 in.

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Urnucarpa	Adiantum
big jack	Polyst
ginger	Aspl acrost
V. coral	Osmunda Cn
Sedum	Goldieja
Erythron	Botr virg
Sax. com	Asp spm
Amorhyza	
Stellaria	
Dentaria lac + dyp	
Hemeroc (pt)	
Larkspur	
Phacelia	Crest. may
Impatiens	Psedon
Calophyll	Ostrya
Ranunc	
V. scab	Asulbe
Tr. grand	
Cryptis	
Asulbe	
Geranium	

*Saufraya micrantha*  
on mossy rocks  
just below "halfway  
rock"

*Tr. erectum*  
starts in grassy  
ground above  
halfway rock

Back Cover

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Oil                      Oil                      .31 20

Gas 8                      Oil                      1.64

"                      6                      Berea                      1.44

"                      4                      Cumberland                      96

"                      8                      Whitesburg                      } 1.98

Oil                      1                      "                      }

Gas 7                      Winchester                      1.60

Bridge toll                      .30

Board + room 3 ea.                      8.23

6.00

Miles, 615                      , 4.23

2 meals, half way home                      .80

15.03