



Hunt Institute for Botanical Documentation  
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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.

Memorandum

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26

E. LUCY BRAUN  
2702 MAY ST.  
CINCINNATI  
OHIO

26 1937

May 7. Cin. - Partridge  
with stop just south  
of London (north of  
W. rd. State Park)

May 8. Left Fork Colliers Co.  
A up south face to  
Rino Ridge; down Steggerwood

May 9. Left Fork Colliers Co.,  
up ravine on south face  
to Rino Ridge; along  
Rino Ridge, + down Parsons  
Branch

May 10. Mullins to Stearns.

Bensville - near Ky. 92 to Williamsburg  
92 to Pine Knot - Stearns.

OVER



May 11. Alum Creek road,  
Falls of Yahoo.  
To Cincinnati.

640 miles  
31 gallons or 23¢

(counts transferred to cards)

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May 7, '37

South of London. Laurels  
Flat woods - at Sand

white oak	[of speedometer testing course]
red maple	
swamp gum	
sw gum	pin oak
beech	

Under -  
oak

tulip  
dogwood  
sw gum  
sw gum

Betula nigra

Oxylid

Armel. smooth  
papaw (highly frag)

(pale mottled soil)

Azalea - pentstemon  
 Pyrus melanocarpa  
 Spiraea tomentosa  
 Smilax rot. Hazel  
 Alder Sambucus  
 Rubus black leaf vert  
 Evonyma americana  
 Tax. ? 2 sp. Galium?  
 tall & short  
 1/2 sp.  
 Asp. n. b.  
 Osm. regalis  
 " cin  
 Bot. obl.  
 Lycopodium  
 Aspl ff

Rubus bipedus  
 Oakeia sess.  
 Mitchellia

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tall comp -  
 Phlox - ? maculata  
 Agr. par  
 Senecio aureus  
 Iris - ?  
 Tradescantia  
 Solidago  
 Krigia ampl  
 Houstonia purp  
 Lys. quad  
 Hieracium, very hairy (London sw)  
 Lilium - ?  
 Dasystomalaen?  
 Cushions of Polystichum  
 Sphagnum in water pads  
 Viola prunell  
 Carex spp  
 Viola cuc  
 Asperula hyp

Large patch of  
 Iris on highway  
 at sign - End of  
 Speedometer  
 West. Conn.



May 8, Left Fork Colliers  
Creek

Miscellaneous  
Acorns common

not far above Boy's  
in Left Fork, on  
SE slope the  
hemlock goes far  
up, along with  
oak; also in places,  
beech

~~putty part~~

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Starting climb of  
Riser Ridge from  
Left Fork of Colliers  
Creek, about opp  
H of creek on top map;  
i.e. above 2nd house to  
about 1 1/2 miles up creek

Selected a concavity of  
slope leading toward  
west high part below  
about that Joe Day ridge  
transect ends on

In Creek valley - -  
hackberry      Norway spruce  
s. maple      Carpinus  
hemlock      Rhodod  
birch

Starting up, immediate  
base was clear  
soil slightly sandy,  
w. s. s. fragments

Where out of pan

Andr. scop

Ant. plantain

Lespedeza sp

Solidago sp

Helianthus

Rugia

Cladoniae

Hypox

Smilax rot

with young Tulips,

wh. oak, drywood

Carp (Cleared area so small  
that it is negligible)

Then - old trees:

Area 1.

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white oak	###	1	11'	55
chestnut	##		4	20
red maple	##		2	10
red oak	1		1	5
tulip	1		1	5
ch. oak	1		1	5
			<u>20</u>	

Under:-

Red maple hemlock

beech Oxyd

Black oak

sh b oak

Rhod. Azalea, red

Kalmia

lge. cornus & bac bac + stan

Pyrolaea

W. acrif



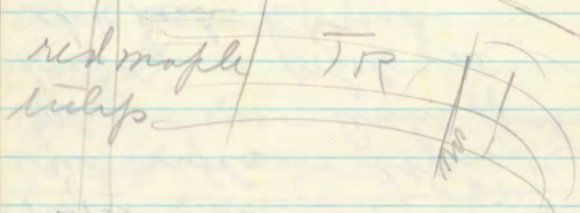
Sen. obs

- Alnus, laev. (form of Joe Day)  
 Styphelia  
 Ascyrum  
 Ant. plant  
 Sol. sp  
 Aster sp  
 Juncus  
 Hier. venosum  
 Chr. fern  
 Poa  
 Iris crest  
 Thesp. aur. atr.  
 Horset. long  
 Pot. penn  
 Sol. caesia  
 Panic. lat  
 Arum vireg  
 Chamaepila  
 Careopsis major  
 Jaenich

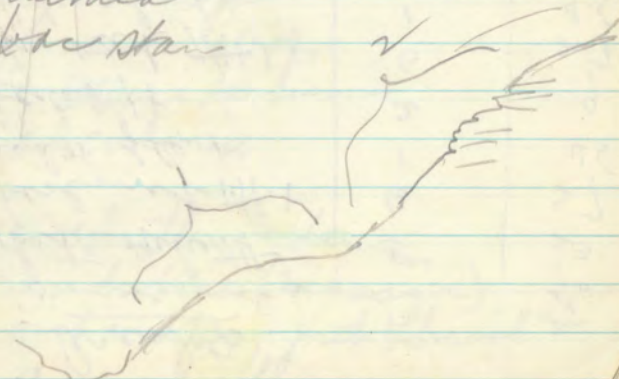
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Area 2

white oak 4  
chestnut 1



Kalmia  
bac. stan





Area 2

White oak ###	5	70
Chestnut ### 1	6	23
red maple 1	1	27
beech 1	2	45
ch. oak ### 1	6	9
red oak 1	1	27
Nyssa 1	1	45

red maple <sup>22</sup>  
 tulip Amel. (pubs)  
 beech white oak  
 sh b hick Oryz  
 ch oak

Kalmia Chestnut  
 bac star, vac, long  
 Smilax  
 Azalea, red

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Ternidia Sedum  
 vicia Polystach  
 Scaevola Senecio vbr  
 Helianthus (Joe Day form)  
 Eriogon pulch Pres crest  
 Penn. serp Luzula  
 Ruyon Thalesia  
 Smilax proc  
 Ascl. quad  
 Polyst  
 Galium lan  
 Corcopsis mya  
 C. rufifl  
 Paul. hisp  
 Th. unv. alsp  
 Steir. tonsen  
 Pedicularis

Much Thuidia  
 Sandstone (massive)  
 out crops with Thuid &  
 C. rufifl

Along top of outcrop  
 pronounced Kalmia  
 vac. belt  
 As slope bend around  
 SWward,  
 more ch. oak: -

ch. oak IIII IIII:1	11	65
wh. oak IIII	5	29
red oak 1	1	6
	<u>17</u>	

Under esp. same, +  
 Urtica perf

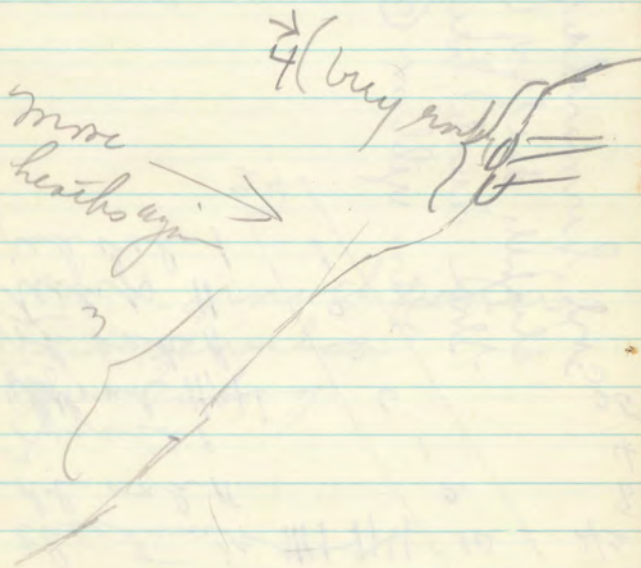
This 2 three 2 + up into  
 size above outcrop

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Area

3, continue slope  
 above outcrop of 2

4 remains esp. same





Area 3.

%

Chestnut	### IIII	10	42
bl. oak		2	8
Myrtle		1	4
bl. oak	### I	6	25
wh oak		2	
Tulips		2	
red oak	I	1	
	<u>24</u>		

Soil hummocky  
 bluish dirt  
 Just above, hummocky  
 then yellow (2)

- ch oak
- wh oak
- dogwood
- red maple
- magn. fraseri
- chestnut
- Magn. acum
- Sassafras

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Kalmia

Smilax (br) rot

" glauc

vac. wood, str. vas

Pyrola

red azalea

Stem-growth poorer,  
 but similar  
 trunk. long



Area 4, very rocky  
ch out IIII

see below

A marked increase  
in ch out, from  
undergrowth  
mud / Kalmia.

lots of Heuch. long, white  
among rocks

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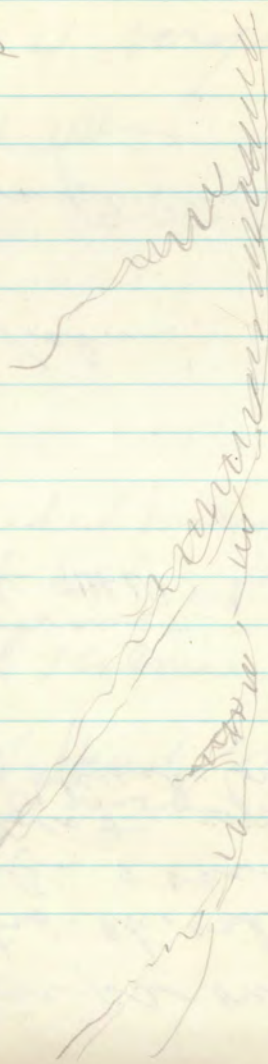
massive ps outcropping  
with big ch. vabs -  
Kalmia + vac. cruph  
on ledges +  
many Heuch. long, white

Ch out IIII	8	90
ch. 1	1	10

dense Kalmia

viola purple see

performing to the side of left fork  
all the way up to the narrow neck  
which



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falls down crevices

These are oak -

Color distinctions show  
very plainly.

near top of main Black  
Mt. above Collins -

the s. maple belt starts  
not yellow (in bloom)



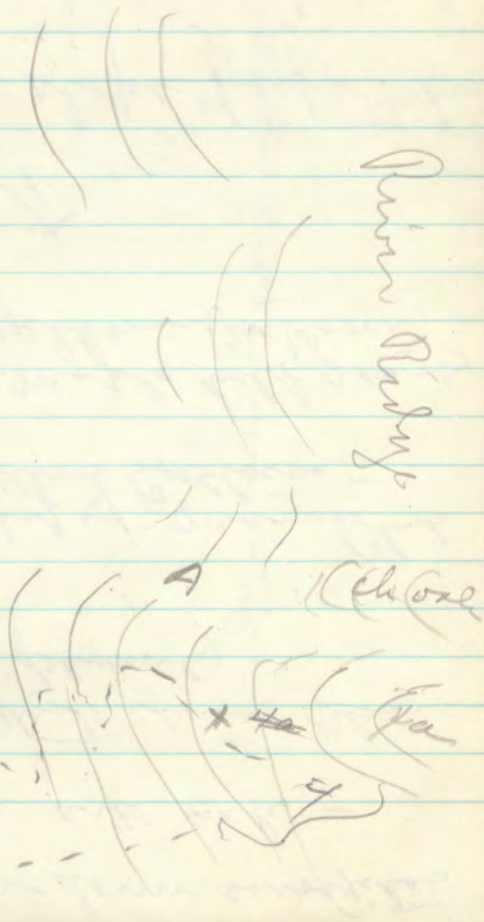
opp. slope of Left Fork

horizontal pines to the east  
1/2 way up; is under them  
at edge of oak



FS

Prim Quibus



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Looking over onto A

from shelf above	4	70
Tulip #IV III	8	38
sh. b. hick IIII	4	19
chestnut IIII	5	24
@ glabra 1	1	5-
cucumber 1	1	
red oak 1	1	
S. maple 1	1	
	<u>21</u>	

very much dogwood

redbud      Kalmia drops  
S. maple      out.

Herbs change  
geranium

Due to boat  
name of all fruit  
next day

A slight northerly rise  
out of A is ch oak



Following up  
ridge, (4a) 10

ch. oak IIII	7	58
Chestnut III	3	25
Cucumber I	1	8
Nyssa I	1	8
	<u>12</u>	

As long as ridge top  
is slightly flat, and  
near Kalinin

↓ Kalnin

then Kalnin again

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+ slope continues above  
area 4 to area 5

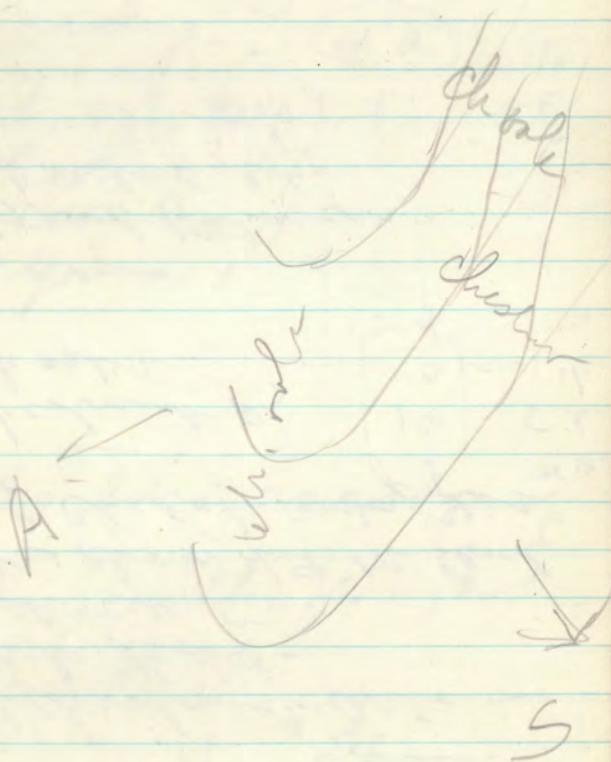
A chestnut area -  
all dead -

AREA 5

Is above 4 & on level  
of Ch oak ridge "flat" 10

Chestnut 12,	12	86
Ch oak 11	2	14
	<u>14</u>	

Much Kalnin  
similar, Ch



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Ridge gets very rocky,  
Area 6

& narrow & is a  
chestnut oak-beech  
ridge

with much s. c.  
blebs covered w. Hedysaria  
& Parmelia.

one oak, stam, coryl  
Kalmia.

Aside of up from 5  
is very steep with ledges  
outcropping

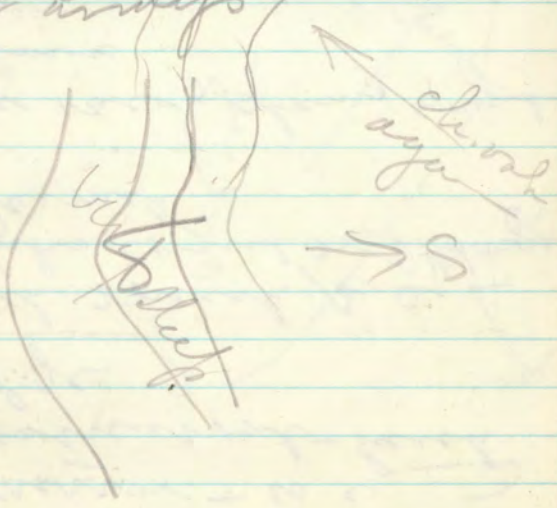
This is presumably  
ch. oak = Area 7  
ch. oak 7 + ch. 2



Area 7

Ch. oak IIII  
Chestnut II

We went horizontally  
along the south slope  
for 200 yds



Then a slight  
indentation of slope

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introduces change -

	#8	#10	
bl. oak I	1	7	red bud
ch. oak IIII	4	26	dry ground
Tulip II	2	13	so. slope
cucumber	1	7	valley
<del>chestnut</del>			Grape tangle
Chestnut III	4	26	
red maple II	2	13	
honesty I	1	7	
		15	

with no heat -  
more meso sp =

- Umb. perf
- Sol. latif (on the large)
- tall Thal. borders
- Astilbe Cornus
- Tr. grand Prader
- Th. aurata. Grass
- Adiantum Helium
- Polyst. Senecio ob
- Cyprip. par. pur. Sedum tenu
- B. m. Asp. marg



Red bed appears to be  
slightly more mass  
than dogwood

Apparently, the  
Iron ore below last ss,  
interup again - (7)  
coming up into this,  
heaths again -  
Thalesia ch oak forest  
Asp many

red bed & dogwood  
scattered in this

Gets very steep, <sup>area</sup> 9.  
only  
sort of barren looking  
& forest is knarly  
ch. oaks  
Shady bits on ground

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scattered bac spp +  
Kalmia

Sedum Hamam  
Heuchera long Annel  
Thal. div. bit scrub  
Senecio Crinula

Layers outcropping  
again - about 1 in the  
low per ft masses

& heaths in very esp. Kalmia

Rheum panic - 9, cont  
Ant. plant  
Hornst long  
Cor. major

Heavy ss outcropp <sup>10.</sup>  
again - being in  
O dense Kalmia bac

+ more + better  
 ch. val + a leaf  
 better.  
 but almost no  
 herb. plants etc. in  
 rocks

Cliffs 20-30 ft or  
 10 ft -  
 much *Gynerosme*

Begin to go around  
 ft of cliffs but few specimens  
 short

more red azalea  
 much less *Kalmia*  
 + *Smilax* more  
 degraded

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Summit heath

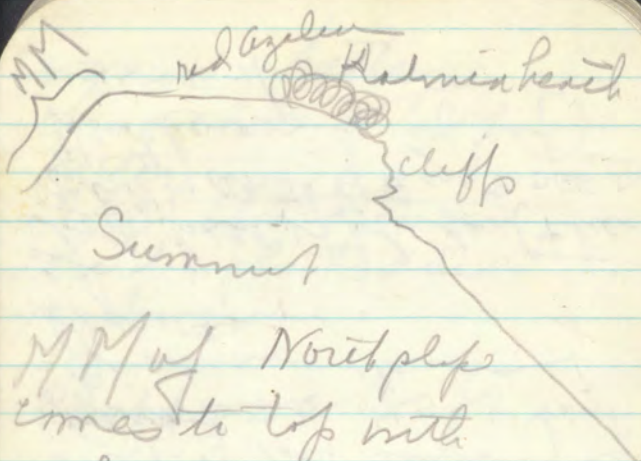
*Kalmia* low in some  
 part, then red azalea  
 Anem., 2 spp

degraded		0/0
chestnut	## ### III	18 64
ch. oak	## III	8 28
nyssus		1 3+
S maple		1 3+
	28	

knobs of ss. standing up  
*Geranium*  
*Gentiana* *clivosa*  
*Pyrola*

Top here is flat (Flies  
 just to south of E in RIDGE on  
 blackberry (Top. map))





Summit

MM of North坡  
comes to top with  
a few S. m. on top  
Trillium grand.  
Parkspice etc

MM here mostly maple

Saddle on River  
Ridge

go down steeply  
off of flat land

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S maple		5	28
Chestnut	###T###	11	61
ch. oak		1	5 1/2
hassard		1	5 1/2
		18	

- |                |            |
|----------------|------------|
| dogwood        | redbud     |
| Old            | Plym       |
| cherry         | Soldado    |
| myrtle         | Blisp. lan |
| Cauloph        | Nederla    |
| Gentian        | Botr. very |
| Amma           | Cyr. very  |
| Geranium       | Wango bell |
| Tr. grand      | Orchisped  |
| Adiantum       |            |
| Thal. d. v. c. |            |
| Parkspice      |            |



becomes even more  
 meso (3) = 8 = III in pt.

		no
s. maple IIII	7	46
tulip II	2	13
chestnut II	2	13
Ostrya I	1	7
hackberry I	1	7
cucumber I	1	7
ash I	1	7
	15	

yellow poplar  
 +  
 +  
 +  
 +  
 +  
 +

[No VII of ravine  
 ends in this]

green violet  
 Usual perf & grass  
 Larkspur  
 Tr. yind

Same, but more  
 Hydr. mac

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Polyg. comm	maple
Tr. erectum	dogwood
	ash
	redstart
Astilbe	
tall Thal	Carpenter
lisp. &	bush

(For additional herbs, see may 9)

In flat of saddle, less  
 herbs. + less meso  
 aspect  
 with much Sedum  
 Sylene stellata

Rising again (4) = 9 =  
 some ps. outcrops I in pt.  
 + meso herbs lacking

Canopy is:		no
Carya (alba) II	2	25
chestnut III	3	39
red oak I	1	13
ch oak II	2	25
	8	

Amel. (put)

dogwood

Mercurialis mats all over

Pedicularis

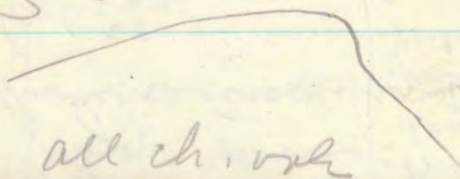
Sedum

vac. corymb + vac  
stem

red azalea

North slope below  
topped by cliff & ~~meadow~~

S ←



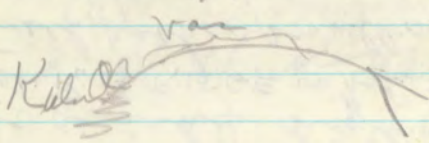
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A knoll + narrow " "

Moss-slice

knarly ch oaks, small

vac. 5 spp



not quite "bald"  
but trees only about 6 in  
in diam. & many spruce  
+ shrub-like

"oak scrub"  
with vac. tendergrass  
Solidago sp  
Ant plant  
dwarf Ham.



Another level narrow  
 ridge saddle (5)  
 small ch. oak  
 Crataegus mostly less  
 vib. aduncif? than 5/7  
 grass  
 Thamel  
 pink Sederber  
 Jaenicke

diving columbines on the

climb up a cliff 17 (6)  
 to another high point  
 [at R of RIDGE on top, map]  
 all rather small ch. oak  
 ↓ occ red  
 vac. vac. layer  
 blue violet to lobed leaf  
 Ant.

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DESCENT

Putty foot on way  
 down to river (in Stagger-  
 weed Hollow.

L.O.W. - in Staggerweed Hollow  
 a NW slope

beech IIII  
 basswood II  
 red oak II  
 basswood I  
 Magn. frax I  
 tulip III  
 hysop I  
 & up slope, much  
 Red

Tram  
 Cumb R  
 in Staggerweed  
 Hollow

Low, much to go out  
 Staggerweed Hollow to next down  
 stream from Joe Day Branch

May 9.

Starting up ravine  
on south slope above  
left Fork of Colliers  
from K of CREEK on map

cucumber	I	1
Hemlock	###	20
red oak (h.m.)	##	6
beech	###	17
tulip	###	18
chestnut	###	14
red maple	###	8
buckeye	###	ch. oak
birch		
Hydrangea		
Hamamelis		
Pyrolaria		
Nyssa		
Mitchella		
viola rot.		
hast		

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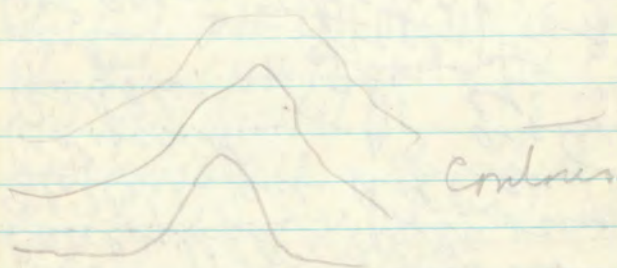
nettles	"	rusty
Juncus	"	blanda
Poa	"	yellow
Smilax	"	canad.
Adiantum	"	blue, purple vein
Asplenium	"	var. v. v.
Polygonum	"	acrost.
Circaea	"	latif.
Sanguaria	"	disperse

understorey:

beech	hassard (gr)
hemlock	dogwood
red oak	red maple
Carpinus	tulip
red maple	Bursera ash
birch	thal. deon
Cynoglossum	Podophyllum
Geranium	medicinal



Polygonatum  
 Asperula  
 Anemone  
 Collinsonia  
 Clintonia umb.  
 Chamaepitys  
 Epipactis  
 Anemone trif.  
 Trillium Ranunculus



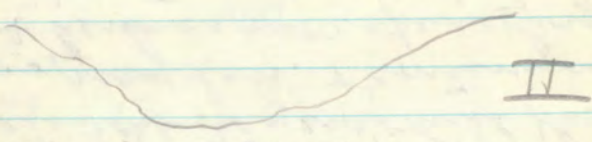
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higher flat with less meso  
 aspect to herb. layer  
 but lots of small beech &  
 hemlock etc

M.M. extends at least as  
 far as profiles

The outstanding diff.  
 bet. this M.M. forest and  
 those of northerly slopes is  
 in herb layer, which there  
 is very lux. & continuous  
 & here is more open though  
 it contains most of the  
 species of that forest

Rhod. + hemlock  
become less, valley is



blowing S-SW

beech	###	###	10
s. maple			3
hemlock			1
ch. oak			2
tulip			2
chestnut	###		7
red oak			3
buckeye			1
red maple			3
Nyssa			1
Carya cord			2

~~Fruit~~ Anterostory 35

beech  
s. maple  
dogwood - more than below

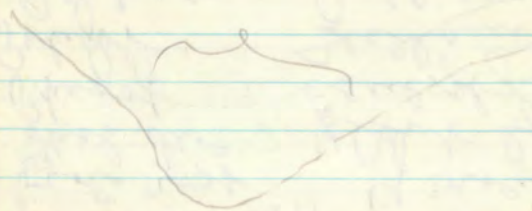
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tulip	Hamamelis
Carya cord	cherry
wh. oak	nyssa
Spiraea	Hydrangea
Carpinus	

Senecio	Synedrella
purple penk	Aster div
Iris criss	Phacelia
Vicia car	Aster cord
Sol. caesi v lat	cap. n. h
Astilbe	Urtic. perf
Campanula	
Seda	Onoclea
Viola rosp	Y violet
Thal. div	Adiant. lac
Phegop.	Carulophy
Polyst	Stellaria pet
Pseidero	Aspe across
Geranium	Phacelia
Blondrot	Nettle
Eup vert	



In M. portensis  
narrowly



above, is oak-ch.

& more Senecio, Seden,  
Thasp. aurata, Podag.

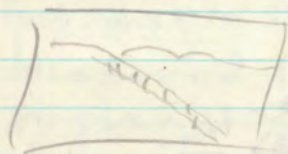
now open marsh SW

& creek bottom much  
sloping, probably no  
permanent water

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Pictures:

1. Opp. slope of Left  
Tn of Colliers  
all MM except an  
oblique band down of  
oak, on a concave

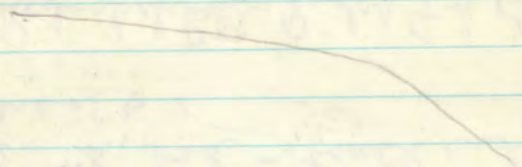


dead chestnut on our slope  
in front. Taken from ridge,  
area 6

# 2. Ch. oak - beech ridge  
area 6

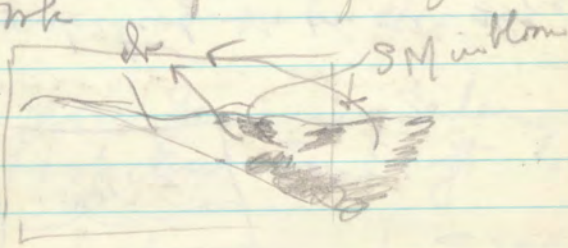
3 Ridge bet Left & Right Tn of  
Colliers & beyond, Black oak  
(oak)

Picture of where road  
goes where road  
goes there



All on M

#4. view of head of left  
Fork



Long slope up to S slope  
study

Sugar maple in saddle  
+ M M belt or Black-  
chestnut

#5. Rock at end of  
Pine Ridge

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AREA III

beech		= 12
a maple		= 18
chestnut		= 19
red oak		2
twisp		16
gray belt		2
ch oak		9
red maple		4
baswood		3
hysso		2
Cherry		
cucumber		90
tree		
dogwood		
brake		
red pine		
S maple		
dog		
chestnut		
walnut		
ash		
ash		
blue green		
hills		
brake		
red oak		
Carya ovata		
cucumber		

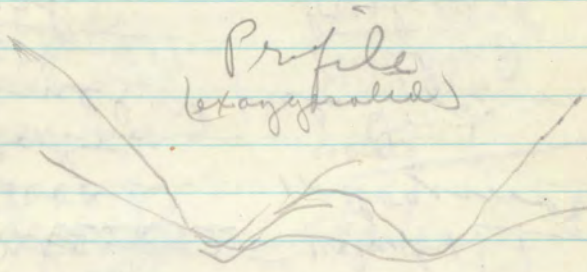


Sedum	Uncl. yr - or
Sereno	medusa
Thal dia	Heud. long
Sol. caes. + lat	Drosera
Amnif. yr	Jris
Galium Cance	Pan herb
Tr. grand	Asulbe
y. holes	bit. acrif
Vale root	Orub. sp. st
Polyzot	bloodroot
Geranium	Phenol
monard	Asp. off
Jack	Buttr. Fern
Adiantum	red azalea
Pr. Ivy	Hy. L.
Dus	Cyrtoglossum

Some parts of banks  
mossy with only  
Dus & Sedum

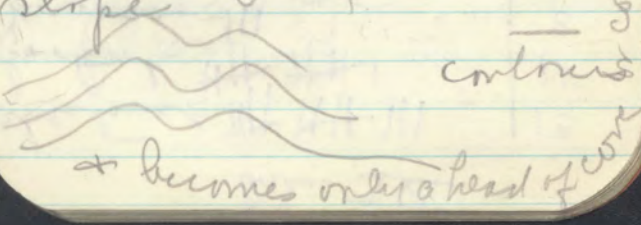
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Area IV  
Rising very steeply  
now



rocky, ledges showing  
on sides & on convexity  
between

Whole aspect is becoming  
less wooded, as names  
show slightly indented  
slope



contours  
& becomes only a head of work

Area IV

chestnut	### ## III	13
ch. oak	### ## I	11
nyssa	III	3
tulip	### ## I	16
red maple	I	1
s maple	### ## I	16
pear oak	###	5
basswood	III	3
wh oak	I	1
magn. acun	IIII	4
Carya glabra	### II	7
<del>magn. acun</del> walnut	I	1
ch oak	dogwood	81
ash		
Amel. sl. pul	Oxal	
s maple	redbud	
ash	blackeye	
blackberry	magn. acun	
tulip		
Carya glabra	+ vata	
blackberry		

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Red Azale	Thasp aurata
Sedum	Ranunc
geranium	Smilacina
Thal. diene	
Polyst	Tr. grad
Helianthus	Chenopium
Smilacina	Adiantum
Senecio	Thalesia
Taenidia	Smilax acer
Cynog	Polypodium
asp. int	Silene
bicea	
Smilax - always most	
where dead ch	
Thasp barbata	
Alchornea lan.	
Urtica	
Polygonum virg	
Euphorbia	



V

Above any ravine -  
only a slight concavity  
of slope, facing SSW

Chestnut		4
red oak		2
s. maple		6
Carya glabra		4
ch oak		2
cucumber		1
Tulip		2
Locust		1
		<hr/>
		22

<u>Smilax</u>	<u>Smilax</u>
<u>red oak</u>	<u>Pyrus</u>
<u>dogwood</u>	<u>Cucumber</u>
<u>ash</u>	<u>red oak</u>
<u>Telaugra</u>	<u>Sassafras</u>
<u>Chestnut</u>	
<u>Carya glabra</u>	

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<u>Tullgr</u>	<u>Blodwort</u>
<u>Geranium</u>	<u>Dialis grand</u>
<u>Carulophyll</u>	<u>Polystichum</u>
<u>Sol lat. + caesia</u>	
<u>Pseuder</u>	<u>Asp spen</u>
<u>Smilax</u>	
<u>Green violet</u>	
<u>Thal der</u>	
<u>Jock</u>	
<u>Amorpholub</u>	
<u>Lilium</u>	
<u>Amurpuz</u>	
<u>Hesperoclan</u>	

Whole slope littered  
with ss fragments

This becomes even  
steeper + rockier +  
gives way to VI

Area VI

Hickory IIII II	7
ch. oak IIII III	9
locust III	3
cucumber 1	1
chestnut IIII	5
red oak III	3
tulip 1	1
hackberry 1	1
Nyssal 1	2
S. w. oak 1	1
	<hr/>
	33

s. maple	grape
chestnut	<u>grape</u>
red oak	Speckled
locust	Smoky
	br. oak
<u>Populus</u>	

not much herb.

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Tr. grand	Conophos
Polygonum	Dispora
Smilacina	Amnifys
Gramen	Pediculus
Clem. virgin	
green violet	
York	

becomes less sleep  
 & not quite so  
 rocky -

Sugar maple at one  
 increase → VII



VII

Sample IIII	6
tulip III	3
chestnut IIII	5
hickory I	1
nyssa I	1
ash I	1
	<hr/>
	17

Sample grapes  
 hickory Psedera  
 dogwood redbud  
 Hornbeam  
 Tilia green

Herbs more than in VI  
 but not much

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Geranium Thalictr. tall  
 bloodroot Tr  
 Smilacina  
 Adiantum  
 Botry very  
 Urtic. leaf  
 larkspur

This goes to Sample  
 slope and the saddle  
 of May 8, at Son map

Add to Sample slope  
 of yesterday: -

Botr. very Menisperm  
 Sol. caerulea cucumber  
 Circaea lutea Lys.  
 Pot. can. Orchid spec.  
 Agr. mollis Lots of Tr. &  
 Aster cord larkspur  
 Eup. peup Polymnia  
 Osmorhiza, hairy

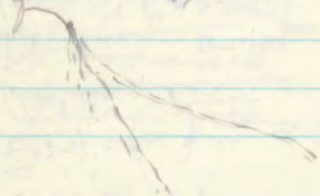
May 10.

To Pinerille

There, just west of Pinerille, take new road to south. This soon comes to n.w. base of Pine Mt.

Extensive areas of M.M. forest.

After road leaves Pine Mt. - where a long spur comes out from Pine Mt -



it soon enters a

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wide valley-like area with low relief; rock appears to be the black slaty Devonian shale.

Oak woods prevails but much is M.M. but with very little undergrowth; few flowers.

valley of Cumberland River - low slopes, M.M. with a little hemlock in places.

to Williamsburg.

Williamsburg to Pine Knot.



Just east of Pine  
Knot - MacCreary Co  
a flat area of with  
sandy soil - resembles  
the flat near Rugby.

This is Plateau.

wh. oak

*Q. stellata*

*Q. digitata*

nyssa

red maple

" " var.

hickory, 7 lvs. (spm)

Understory:

*Desmodium*

*Oxydendron*

dogwood

*Crataegus* (spm)

*Kalmia*

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*Vac. vac.*, stems, corymb.

" *arborescens*

*Smilax glauca*, rotund.

*Viola pedata*

" *hirsutula*

*Chrysopsis gramin.*

*Aster lindrifolium*

*Potentilla pumila*

*Sol. odora*

*Asarum arif.* (spm)

*Rhus copallina*

*Coreopsis major*

*Lespedeza spp.*

*Ascyrum*

*Lechea rac.*

*Hypoxis*

herbs

South of Pine Knot  
(same area as  
in 1935)

Azaleas - taller in  
swamp & fragrant  
- low, & not  
fragrant on slopes.

much *Viola pedata*

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May 11

Alum Creek Road -  
Ridge out to top of  
Falls of Yahob.



Above falls & bet. stream  
& valley of next branch,  
a very good heath  
Rhod. —

*Kalmia*, *vac. vac.*, & stem  
*Gaylussacia brachycera*  
*Epigaea* & *Gaultheria*



*Sycopodium* (spms)

---

The ridge-top, (before  
~~reaching~~ Falls going  
down to falls -  
is a good ridge-type  
forest - open but  
with rather large trees  
& apparently primary

It is worth counting.

To reach - leave road  
just beyond the cliff  
where road goes along  
north slope.

---

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*Trollium erectum*  
in Yahoo valley  
*Dirca*  
*Phlox divaricata*

3.4 miles south of Burnside  
city limits, a gravel road  
at top of first hill above  
knobby white limestone.  
This goes to east.

The Mississippi  
Plateau at scene from  
rt. 27

Everything seems to be  
secondary.

In places, pine prominent  
mostly secondary oak  
forest with some hickory  
Oaks are + tulip

*Q. digitata*

*Q. alba*

etc.

What was the primary  
forest?

In places, as about  
schools, etc., always  
a few large trees; these  
mostly *Q. digitata*,

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& occ. *Q. alba*.

Wherever there are slight  
slopes, tulip is an  
important tree in the  
young forest.

The Lincoln Co. area  
listed in 1932 was not  
primary, though its  
trees larger than in  
most stands.

Logwood is especially  
prominent, forming  
continuous layer in  
most all the oak &  
pine stands.



*Arenaria patula* in  
McCreary  
Pulaski  
Lincoln  
Garrard

*Silene* - on both sides  
of river, Garrard & Jessamine  
cos.

Larkspur - Grant Co  
Phlox div. " "