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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 BOOK

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

14

E. LUCY BRAUN
2702 May St.
Cincinnati, Ohio

1934

May 3 - En route - nr Mt Vernon;
Rockcastle R., bet Forden
& Corbin

May 4 - Colliers Creek

" 5 - Bad Branch

" 6 - Joe Day Branch

" 7 - En Route, Ky 13

Pine Mt., Sept. 1934

Sept 9, Partridge trail

10, Little Joe Day
return via - creek

11. Scuttlehole Gap &
north slope

tip. hds. of Joe Day

Just above spring & below it
too, - above big red oaks,
Hesperium Δ is common

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May 3 - ^{near} ~~mt~~ ~~lexon~~
11 mi. n. of Livingston
limestone hills (smooth
round weathering)

Cedar, redbud, dogwood
oaks
Rhamnus carol
Rhus canad
Celastris

Agave
Saxifraga
Saxifraga
Lithospermum
Trigonon pulchellus
Hypoxis
Oxalis violacea
Urtica pef
Prothoscordium

Arenaria patula
Viola, lobed
Euphorbia corollata
Asclepias quadrifida
Blephilia
Ophroglossin engel

Adel H. Rookcastle R -
Claytonia car + little Aralia
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Mercurialis on steep
river bank
Iris cristata

Sirang forest bet
London & Corbin
(not wet; a stream)
Viburnum } in it
Vacc.

Azalea
Quercus
Spiraea
Amelanchier
Holly

Aster divar
Stellaria pumila
Iris versicolor
Galium
Rubus cuneifolius
Yucca pumila
Asplenium platyneuron
Asp. nidus

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Sweet gum	trees
red maple	
oak	
nyssa	
dogwood	
beech	

Calliers Creek

May 4, 1934

Add to valley forest
above Left Fork

Pipsissewa
Anemone

Just below last house
Beginning of slope -

Add Larkspur

Tr. grand
" erectum

Orchis spectabilis

Blue corolla has red disk
flowers like mt *Erigeron*

On steep slope

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all the *Utricularia*

are orange yellow
orange in contrast to y. *Utricularia*

Larkspur, *Geranium*
triflorum canadense

Stellaria media

Phacelia *Sedum*

all very prominent

Larkspur imp. here in
most mesoforest

Claytonia *chrysa*

Slope where $\Delta 5$

start is

dominantly $\Delta 5$,

Desmodium, golden

Utricularia

Bad Branch, May 5

as valley opens

white oak + hemlock
chestnut + birch
tulip

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Joe Day May 6

dogwood most in
lower slope forest
which is mixed
oak + tulip etc

dogwood drops out
entirely on north
slopes - keeps to
sunny slopes on far
page of oak

Above spring - north
slope - ~
maple, buckeye
white hazel important
under

Erythronium amey
 Thalictrum grandifolium, erecta
 Hentzia diphylla
 Stellaria plicata
 Squirrel corn
 Larkspur
 Phacelia bipinnata
 Anemone
 Podispa
 Asarum can
 Viola can
 Impatiens
 Viola erio
 Geranium
 Aspl. acrost
 Smilacina
 Asp. spin
 Anemone
 Hesperis

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Cuculphylla
 Allium tric
 Tiarella

S.W. - near top

Chestnut		34
red maple		3
ch. oak		2
s maple		3

going up to mostly chestnut

lots of red azalea
 Pyrus
 vac. spp

Coming into head
of valley

maple + basswood
mingle with chestnut
buckeye

Trilliums ahead -

both grand. + crest
dispersed & enter
many y. oaks (not many)

Dark

Orchid spec

Viola can

Larkspur

Caulophlyth

bl. m. lily

dispersed

aspen

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Baby's breath

Descent on west slope
of Joe Day

Buckeye					21
S. maple					25
chestnut					4
red oak					2
basswood					19

Maple more near
top - basswood
som. ex. inf.
buckeye in prof. more
down than on

Lilium grand. & green
Cimicifuga
Larkspur
E. sp. m.
Squirrel corn
Sclitaria
Calliophyllum
Asarum
Bloodroot
Polyg
Sambucus
Hepatic
Asp. marginale
Jack
Vicia con
Botrych virg
Scl. caesia
golden Urtica

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Lilium
Monarda
Dentaria lac
Hydr. macro
Podophyllum
Vicia carocarpa
Phacelia bipin-purple
Thalictum
Anemone
Adiantum
Hisp. s
big Umb. - lantern
Goldie fern
Impatiens
Dentaria def
Aspl. ang
hairy sweet purple
Aspl. across
Erythra
Ran. recur

Understory is maple
buckeye, basswood
Hamamelis
Cornus alt

Slope contrast near
^{top or anywhere along spring}
The SW slope is
brown with leaf litter,
only scattered plants.
Forest is chestnut -
ch. oak w. scattered
sp. as noted + prom.
henth understory.
Opposing slope rich
green ground cover.
Sps noted in descent
study - + canopy

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green with buckeye, maple.
Contrast in May is
very great.

View from low on
Joe Day trail shows
a ridge from top down
to low forks of Joe Day.
The ridge is chestnut
or oak-chestnut almost
all the way down.
Low down (higher in picture
1) and on slope to ravine
much beech, maple +
hemlock.
As ridge comes down to
creek at its end, it is
hemlock-Rhod.

May 7 - In Route

2nd rise out of
Whitshurg
(with prairie on right)

fine woods on both
slopes - E + W. Apparently
lumbered only for timber.

Much beech on both
slopes. Oaks more
common on west slope

Usually more herb layers
Phlox divaricata
Trillium + Podophyllum
Sedum

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Stemless low on
some slope

On North Fork

Undercut bank
1. Herb. stage (list)

Columbines
Sedum

Senecio aureus
Heuchera
Fire Pink

2. Thin oak

3 but some mixed
with buckeye
basswood, herb.

West of Hindman. A
much hemlock &
Rhodod.

Pine Mt - Partridge Trail
General divisions

1. Ravine + its slopes
2. trail starts up slope
3. Elkins trail, hemlock Rhod.
4. Low ridge, wh. oak - chestnut
with Kalmia
5. on up slope
6. becoming more sandy,
Chrysoopsis grass. starts
chestnut mostly dead
7. Ridge top at turn of trail.
8. Cont. up; Trail leaves ridge top
+ follows side
9. First S.S. summit
① P.S. plateau to left of trail
10. 1st trough (ch. + rhod. picture)
11. rise from trough + A of 9
12. Cont. rise; quartz pebbles
in soil; soil changing to
white sand
13. Second S.S. summit ^{non}
(one or typ. rock succ.) ^{ground}
14. Over into trough
35 ft. in 60
15. Trough, E-W [pictures]
16. S. SE. slope up out of trough
soil fine y. sand
Trough double, bump in it
17. up out of trough, slope
rises rapidly; y. + p. pine
18. Third S.S. summit not
very prominent.
19. Slight drop to saddle
which is divide bet. 2 streams
wh. drop off rapidly
20. Rise from saddle - slope
rocky
21. Fourth S.S. summit
(path picture)

diagonal outcrop - rising
toward summit; ravine
down to right

22. Immediately on edge
23. cont. up slopes; ch., ch. oak, hutch
24. up to cgl. full of quartz;
ridge on larger 70 of ch. oak
Fifth summit
25. Scarp slopes (incl. a + b)
a. dense herb. - upper slope
26. b. more open + more herb. - lower -
mesophytic soil clayey (trans
valley)
27. Creek
28. Ascent out of trans. trough
29. Gap - last (6th) summit

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Sept 9

- ① In ravine, add
red lobelia + blue lot, cyph
Polyg. sag. Joe pye
Chelme Sol. rugosa
on ravine slopes,
Aster divaricatus
Hepatica obtus
② Lespedeza repens
light pink
Desm. marit
Sol. erecta
Aster undulatus
" phlog
Polyg. sanguine
Chrys. marian
Sarcocarpus aster.
③

④ Heath ridge - White oak
 Soil 1/4" to humus mat
 ① 1 in white, podsol
 ② yellow sandy

Polypodium puberula
Aster undulatus
Lespedeza palea y
Gentiana
Clasystoma laev

Soil, flat top

③ duff, about 1 in
 pale layer almost blank
 ④ yellow sandy

⑤ Chrys. marian
 Camp. divaricate malp. y
 Soil from ridge up to
 sandy. i.e. ⑤ is sandy
 but yellow

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Profile duff
 thin podsolized
 yellow

Gentiana, n. lsd blue
 " , yellow, spec.
 (*G. villosa*)

⑥ *Chrysopsogram*
Clitoria Sol. odora
Andr. scop Bapt. lentum
y. genlean Sol. bicolor

Desm., needles *Glaucous Desm.*
 Soil - 1-2 in. of duff (in 1905)
 ⑤ 1-2 in of white tough
 podsol

⑥ yellow
Kalmia - Epigaea - Galax - Gaulth.

⑤ & ⑥ together long
 open under perp

7. Chrys. marianum Pre. sep
 Dasyst lower
 Lesp repens Solodora
 Polyp sang " tall
 Aster undulata

Ridge so rocky there is
 little soil - duff +
 sandy pale bet rocks

[7] + [8]

Dasyst., cut lv, gland

8. Chingka pin abund

Soil [9] + [10]

Duff less pronounced

[9] some gradation to soil
 no podsol

[10] yellow clay-sand

First set of soil cans, 1-10,
 red nos., large cans.

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Second set, red nos., large cans,
 fig. underlined as 2

Heteranthera micr

9. First sandstone

Polygonum acutidens (spec)

Corydalis

✓ - thin sheet, edge of
 paper the dip

Success on this

Crustace lichens

Parmelia, Physcia

Umbilicaria

Mats of Hedwigia

Wintergreen creeps

up in pine needle duff

Following up on sandstone
 edge -

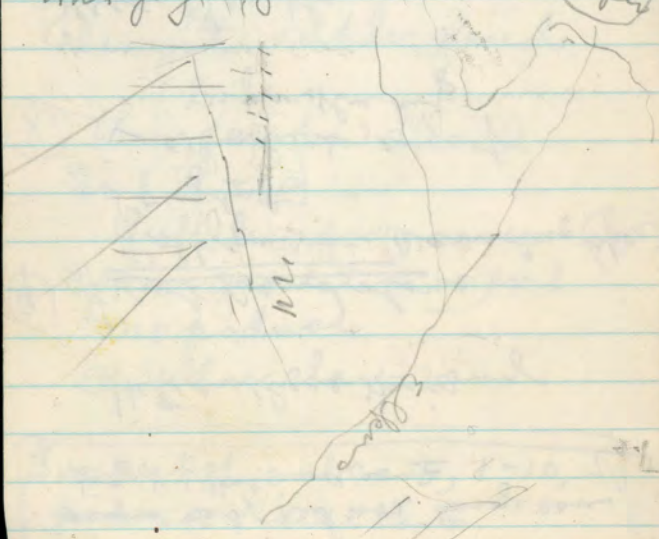
mats of Gayl. in soil

on dip surface 1-8 inches

where deeper, in by
red maple, Amel, Dryd
Ked nypor
Soil from Gough mat, 1 + 2

vac. inters later

Pine needle duff, into ^{with} paper
wh. Gaytr, Gaultier



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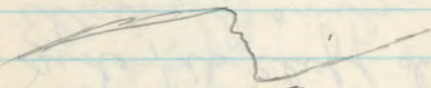
Off at end of ridge,
where 1st + 2nd ss
join,
drop off on north
side, is cliff down to
Elkins branch
It is Rhod. Kalnia,
lichen covered

(10) 1st trough
Desm. rough + pub belr
" glaucus
" dark green, glabrous
" pan
Narrower open + sun
more chest. sprouts
Soil 3 + 4
Soil from Dickson
Chestnut
Sandy. humus not

cliff down to dark
brown sandy earth
Phacelia

This trough slopes in
gen. toward Elkins but
ends blind

Cliff at side of rough
varies from 5 to about 30 ft



Trough only on L and
another ss dip up,
to join 1st rd point

12. Solidago adone

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Polygon ~~curtissii~~
Sorghastrum
Andr. scop
Aster line
Desm. marit
Lesp. repan
Eup. rotund. but ovate

2nd SS
13. Not burned

Soil 5 and 6 from
moss area not burned
but does not show str.
in heart

14. The Hermodium

Sol. erecta (Gleditsia canad.)
Heracium pan
Soil clayey
7 + 8

trib. to Elkins

Hump - a cross ss.
Soil in trough

blue gentian

(17) lots of golden aster @ mar
of *Dasyctenaria laevis*
Campanula

(18. 3rd s.s. not prominent)

(21) *Aster patens* 4th summit
Ande scarp
Helianthus rough s.s. side

(24) *Aster perulosus* 5th summit
rup. rotund-ovate

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Chrys. gran-
maria
Ande scarp

25.a. Heath scarp slope

Soil
bluff 1-3 in (1)
gray sandy 1 1/2 " (2)
yellow clayey - (3)

25 a-b. contact

Steironema, not ciliate
Aster div
Soil, bluff 1-2 in,
fibres - spec. in bread paper
y. sandy - (4)
y. clayey (5)

Heaths not so prom.
but still plenty w.
Rhod
y. *Cyrtopoda*.

25th.

Sol, caesia
Aster div.
Eup. urtica
Joe-pye - wood - v. pub.
Callunomia

rich meso, fern - Adiantum
slope

Soil, typ forest -
Mullhumus (6)
loose crumbly (7)
at about 6 in., a little clayey (8)

Trail here quite clayey
Aristolochia vine
smooth
Rhamnus acuminata

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Soil (9) and (10) also
from this slope over
among trees of picture -
corresponds to 7 + 8.
no dis. bet. humus &
soil

Ginseng
Rhus glabra + Δ

(28)

Going up
soil from lower slope
with ~~many~~ beech
duff - not very well
defined
y. soil (11)

becoming clayey (12)
A little more of a heart
slope; soils 13-14-15

(13) - a pection of 1 to surface

(14) just below surface duff

15. 5 in in

Aster undulatus
Sharp man

Chestnut-dyeing
has opened up slope
Prob. heads not formerly
as abundant.

now much to art. Galax
wintergreen, bac + gage
+ Mt Laurel

Pogonia vert

Absence of thick duff
may be due to fire

Desystema cut viscid

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$41 \times 5 = 205$ ft. rise
in $121 \times 5 = 605$

North slope of tram trough

Sept 10
Little Joe Day

Mt. Road: -

In Mt Laurel heath
of lower part - the
lms broad panicles
spec. of 9-9
& a narrow much branched
Viola pedata at edge

Laurel heath - soil
loose lvs

Matted leaf duff, brown
& fibres $\frac{1}{2}$ - 1 in 16

Gray fibres duff full
of mycelium - $\frac{1}{2}$ - 1 in 17

Min. soil getting 18

yellow down 19

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This in the lower shaley
only heath comp. to 4

Cunila on cut edge
seems to be a shale soil
plant only

Bar edges are lichens -
sp of Cladonia &
Baobomyces

This whole area app.
was oak forest: -
scarlet, chestnut &
white oaks & a little hick

Rising above shaley
part = 6

S.S. - heath cont., pines
enters / y. & pitch
Soil, similar but poorer

and pale part beneath
 pale duff plainer
 Also - white oak, scrub,
 D. stellata, chev. oak,
 red maple, chestnut
 Lots of tunguapin

Flat ridge top, 11 S. Joe Day

wh. oak IIII	4	
ch. oak III	3	
red maple II	3	
tulip II	2	
chestnut IIII	4	
Scarlet IIII	5	
red & bl. oak I	1	

Soil, heavy oak leaf
 litter

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1. in brown fibrous
 dec. leaf litter

1. in gray spongy
 miner. soil

20
 121

Only a few scattered wh.
 laurel & Rhod
 azalea
 tree saplings
 Smilax l.n.

Rise on ridge

Soil becomes more

sandy

litter

duff 1 in

pale 1/2 - 1 in

yellow

Sandstone

= area 5

Heaths imp again

Dasyctoma laev
Chrys. mar
Gnidi. scop
Sol. creta
Ascyru
Ulex maril; glaucu
Chrys. gram
Tephrosia

(no far as comp 4 enc.

An area about comp, to
 turn in trail on Par. to (7)

ch. oak		25
sr oak		1
Nyssa		1
Chestnut		6
red maple		2
wh oak		3
dogwood		
y. pine		
pitch pine		

heaths on ridge top

This appears to
 be in 7 of profile
 = (12)

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Climbing up ridge

ch oak		1	6
y pine			1
p pine			4
sr oak			3
ch			5
Nyssa			1

forest

= 8 of profile

Soil in pine-heath; of
 pine, oak + *Kalmia* litter
 1 in. fibrous brown
 duff (bread paper)

[22] 1/2 in. pale fibrous sandy
 [23] light y. soil

+ in paper

Gaultheria ~~sp~~ *Erica*
Galax *Chrysop*, etc

Ridge flattens, heaths
 less, aspect more
 of oak forest, but

(Nothing except 9 of people)

Ch. oak still prevail

Ridge ascends again ^{area 10}
pine mixture as before
& herbs + acc. herbs

Soil similar but all
layers darker, no
beneath duff sandy
fibrous dark gray
this area more vac.

Up to a knob - slight ^{4?}
s.s. outcrop = area 11
mostly chestnut val
the herbs Ande Sajo
Sol. odora Paricum
Scleria
Pteris
Onyssa

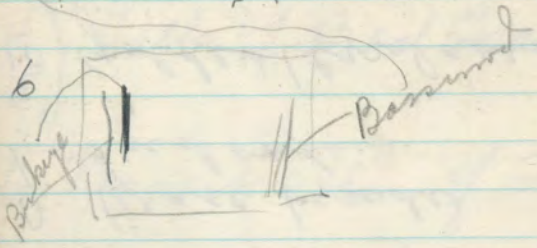
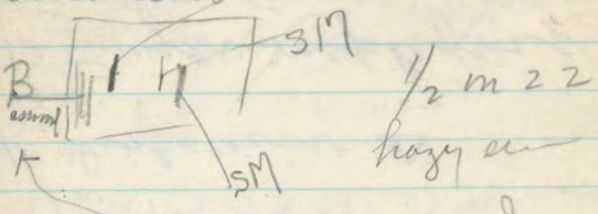
This just
before pond
picture

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Ky 35 K 35

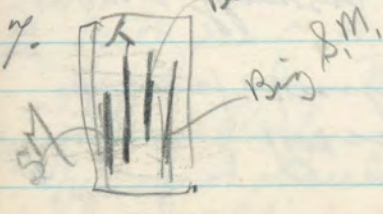
4. Rockcastle River (lunch)

5. Collins ^{Buckeye}



rest maple, if left small
buckeye

Buckeye & SM beyond



8. [] Basswood
buckeye + SM

7 many flowers incl
Lutetia, Viola can
+ Anemone + Larkspur

9. Grace beside
bud oak

10 Goldenrod

11 Desfontainia Δ

12 Sugar maple forest

#36 K36

1. [] Sugar maple
summit type

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with some red maple

2. Dogwood in clearing on Colliers
Carex - on cliffs
of Bad Branch

3

4 } Falls of Bad Branch

5 }

6 Nearest view of Fall

7 $\frac{1}{2}$ m P - Heaths of north
face below High Rock

P. $\frac{1}{2}$ on 22 - on 8 ft
Heaths etc, north side
of High Rock

Nearest shrubs are
Rhod. cat, mt. laurel
& vac.; tree in leaf white

9. *Lyc. lucidulum* on
Bad Branch

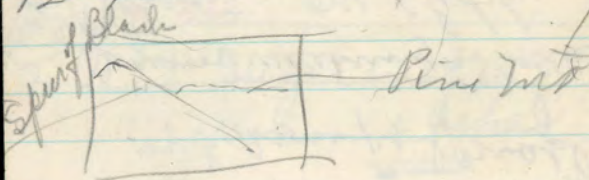
10 Bad Branch of
trail crossing
ms laurel + other

11. Joe Day -

Chestnut oak slope
with ms laurel + vac.
under.

Part on higher ridge
but well below spring
just before beech + tulip
start the 2nd line


12 1/50 on 9, cloudy

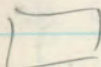


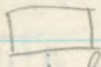
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dogwood, oak + dead
chestnut from
ms slope across

#37 K37

1.  chestnut oak
slope, Joe Day


2.  oak-chestnut -
heath with 2
pitch pines
(just above spring)

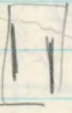
3.  A bed of *Lullium*
at head of Joe Day
white + pink t. grant!

4. + red erection

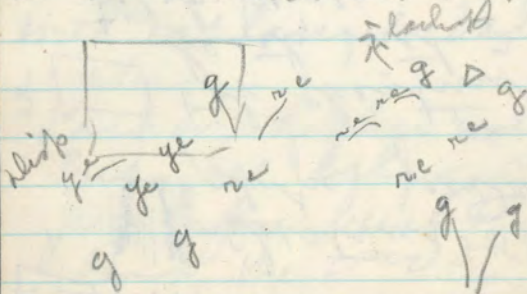
1 Disp Δ + 1 pale barkspur

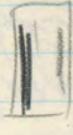
1" on 2 2 - cloudy

4  Buckeye
S. Maple, Trillium
between

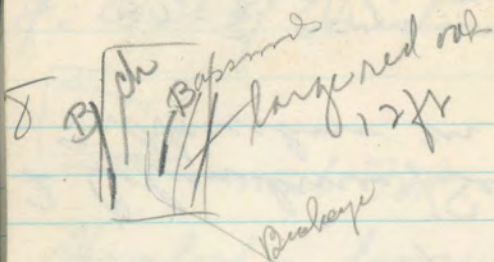
5  sky line
Sugar maple

6. Trillium at 8 ft



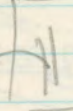
7  11 ft S.M. left
in s.m.-buckeye


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Trillium + Larkspur



a few yellow trillium
Phacelia larkspur
y. roots

9. Dogwood as understory
in ch. oak ridge + slope
first - low on Joe Day's

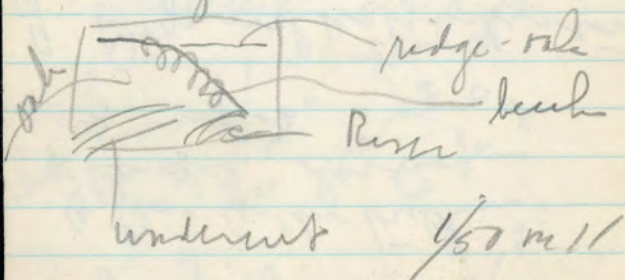
 Ch Oak

10 trees up from lost
(new) house
 Pine ridge

11412 - West from
pine Mt road

#38 K38

1. North Fork at east
end of Knott Co

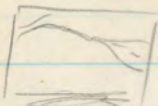


2. Columbines, Sedum
& Heuchera on undercut

3. Deep side valley
of North Fork

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4. East of Hudman rd



North Fork

Aemuloid on lower slopes
w. Bank, bent nearly
to top, but not rooted
toward top
nearly N. slope

(Area 12 lady)

On up = $\frac{1}{3}$ planting up
dip slope along
"road." picture
Slope is south here
Soil shallow
Oak - beech forest with
pines

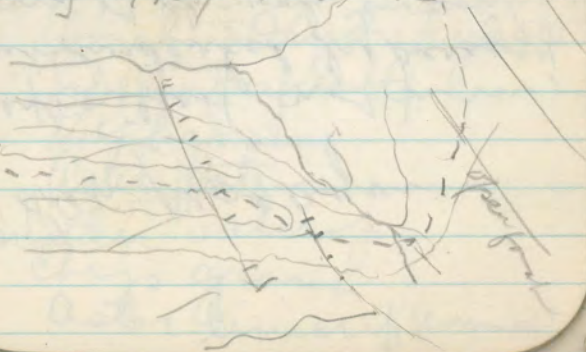
A sandstone outcrop = $\frac{1}{4}$
like a false summit
on Partridge trail.
runs SW-NE ; rock
surface face S-SE.
scrubby chestnut oak
P. virg. + rigida
Lichen - clad - moss -
Gayl (- bac) - Pine - red maple
Aster linearif Gayl
chestnut

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Scarp side steep -
Slope below to a trail
of L Joe Day, & ; open
to west; slope N. W
Oak-beech like any
part of oak beech forest
thru on way up

This S.S. has quartz pebbles = (24)

A flat W. of it instead
of a trough for this
trail is following a
ridge top divide between
ridge & next branch



+ than rise again

next outcrop, not from
but evidenced by scraggy
form of ch. oak in contrast
to straight trunks of flat
w of slopes

flat & cross L for Day trail

On up - slope with
more pine, counted
last year
ch. oak - ch. - pine, more
open forest

Heath & Aude., Single.
Aletres Aster linear
Chrys mar
Lespedeza

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Soil - not much litter

[24] 1 in. gray leached
sandy-fibrous

[25] - yellow sandy

A forest on the dip slope
of r. s. facing SSE

Another p. s. outcrop
crossed trail

Nearer scarp edge, forest
all pine with Gayl. underst
vac. stem + vac vac
Smilax Bn

Amel., Oxyd, Nyssa
Lobelia puberula
Leprosia
Aster patens

Another outcrop
Chrys gran
Aster linearif. (common)

(After lunch)

Forest head of creek Fork
in last trough

Forest is tulip-chestnut
(chest, dead) of big trees

tulip IIII IIII IIII IIII IIII IIII || 32

chest. IIII IIII IIII IIII IIII IIII || 20

ch. oak IIII || 4

red maple I beech II

going way up ^(upstream) slope
to chestnut oak - chestnut,
to

(tulip about 8 ft tall)
Prob. yew oak, biggest tulip around
Under, big, young growth
due to excess sun.

includes

chestnut

Magn. fraser

tulip

red maple

ch. oak

brus

red oak

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Azalea (red)

Magn. fraser

lethra

Oxyd.

Medeola

asp. N. B

Collinsia

Osor. cin

" clayt

Like the tram trough,
the upper north slope
is beech.

This cont. on top
into dip slope, with
change that Rhod. drops
out.

Kalmia, vac.

Gaulth. Galax

Robinia sp?

6 in
 = area (24)

Comes down on a white sand

+ quartz pebble ridge
 scrubby ch. oak IIII 1
 y" & pitch pine sc. oak IIII
 heath nysa 1

glauca. Dasyst. + D. laevis
 Chrys. mar
 glaucous deers.

Starting into head of
 south flowing stream (a)
 in a trough

ch. oak IIII IIII	10
Chestnut IIII II	7
nysa IIII IIII	10
y pine I	1
sc oak I	1

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with tall heath understory
 of Rhod. Kalmia
 Oxyd, tall bac.
 + heath ground layer

both on steep & dip side

Lower, app. more meso. (b)

ch. oaks straighter;	-
ch. oak IIII IIII IIII I	IIII I
Chest. IIII	III
tulip IIII IIII I	I
pitch pine I	
locust I	nysa 1
red maple I	sc oak III

Heaths cont., but
 more broad leaved ppl.
 few ferns, only Desm. cin.
 (Still going 3 in general)
 though slope becomes
 st. + in general

more meso, with less
beech & more saplings
white oak enters / 1

but still plenty of ch oak
with lots of dogwood

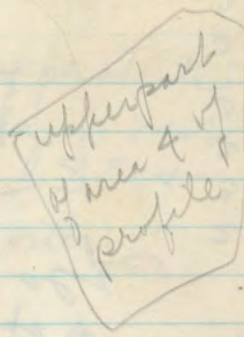
Follow ridge down
chestnut oak & beech

burn

Lower ridge broadens
& flattens: - (C) of card
(still s.s. soil)

so. oak IIII } Mostly
pitch pine I } just at
 ft of slope

Chestnut IIII IIII IIII IIII } begins
y pine I }
Ch. oak IIII I }
red maple I }
tulip II }
black oak I }
wh. oak IIII IIII }
nyssa I }
Opdydendrum I }



The scarlet oak & pine
only at upper edge
of flattest ridge; the
white oak begins lower
on flat top as indicated
by place of occ. on
above lists. The chestnut
very large.
(I think this flat comp.
to flat on p. 3 of this days
notes)

Down east slope toward
Joe Day:

(d) wh. oak III	3
tulip IIII	4
Myrtle	1
ch. oak II	2
Chestnut I	1

Heaths drop out, nearly

(e) Over flat + crest + down a s.w. slope	
ch. oak II	2
p. pine III	3
red maple II	2
Chest. II	3
y pine IIII	5
wh. oak III	3
sc oak IIII	4
Myrtle	2
D. marl. I	1

heaths again abundant

Down further + protected
again by ridge to west
~~ridge~~ became S.E. +
changes to mostly

wh. oak IIII	1
ch. oak II	
red maple I	

or, in amount
of chest. oak as appr.
ridge edge again

Each change to SW
intr. pine, + wh. oak
drops out

Lower - another SSE
white oak + small hemlock

Sept 11

Scuttlehole Gap,
North Slope Pine Mt.

nos. on cards
nos. on
w. specimens
down
①
very full

Over edge -

tulip ###

chestnut ###

nyssa 1

ch oak 11

basswood 1

cucumber 1
with smaller buckeye
& basswood.

Stream heads in spring

+ swamp with

Lobelia card

Polyg sag

Boehmeria

Rhod

Osm. cinn.

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Clearing.

(red oak 11)

Then descent again

basswood ###

tulip 111

cucumber ###

red maple 1

chestnut 1111

ch. oak 11

s. maple 1111

buckeye 11

Card no
②
and 36 & 37
L.C. V.C. fine
small
dark
green
+ 34
+ 35
+ 36
+ 37
+ 38
+ 39
+ 40
+ 41
+ 42
+ 43
+ 44
+ 45
+ 46
+ 47
+ 48
+ 49
+ 50

dogwood magn. frax

hemlock Phegopteris

Aralia rac Castilleja

Rhodod Aruncus

Big hemlock in ram

Eup. urtic Aristolochia

Sol. caesia Urticastrum

Polystich

Aster div.

Cimicif.

considerable small walnut
but more ash.

on rocks - Heuchera (one
on back bank by Wh. pen)

Cliff facing north:

Heuchera

Aster div.

Asp. marginale

Polypodium vulg.

Clethra

Sedum tern

Comp div

Adiantum

Comptosium

W. side here almost
a cliff

These cliffs of course
include plantain + ferns

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Looking below it: - (3)

basswood IIII IIII III 13

hackberry IIII IIII III 14

tulip IIII III 10

s. maple IIII 5

red oak IIII 5

Chestnut III 3

walnut III 3

hackberry (alba) I 1

" glabra III 3

ash I 1

cucumber I 1

~~Herbs as in last list~~

Geranium Arisaema

Psedera Caulophylle

Milkbayel bloodroot

Eup. white

Aristolochia vine

Asclepi

slip + lamy

Eup. white

Utricularia grand

Impatiens pallid

Coming around slope
 IV or eff: ~~amity~~

Chestnut increases

(4)

Chestnut	THH-III	8.
red oak	I	1
s maple	II	2
cucumber	II	2
tulip	III	3
basswood	II	2
walnut	I	1
<hr/>		
butternut	I	
Sh. oak	I	
Nyssa	I	

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Soil of north slope
 forest

26 + 27 typical forest
 25 + 29 humus, crumb
 30 + 31 mull

very rocky slope; slats
 from above. Hard to find
 soil areas

(side (horizontal) trail)

Forest where soil taken
 appears virgin, w. big
 tulip

(5)

Tulip	THH III	9
buckeye	III	3
s maple	THH THH I	11
basswood	THH II	7
Chestnut	THH	3
red oak	II	2
hickory	I	1
ash	I	1

Spring woodlands

(about 200 yrs
 oak log 10ft up 4 1/2 ft
 without bark)

going down penteloch
back toward creek (6)

buckeye		4
basswood		7
tulip		5
ornuple		8
red oak		3
chest		3
hickory		1
cucumber		1
ash		1

Soil 32, 33
clayey at 4-5 in

poplar
redbud

limestone outcrop here

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Soil much more
clayey, but no
change in aspect
of forest except that
less tulip

Bank cut in black
paper shale (Dett?)

Limestone cliffs:—

Pedicularis

Taenidia

Solidago (small) + ulmus

Euph. sessilif

Thalictrum

Celastrus Euph. cor

Hystrix Polygala serotina

Lots of red bud + Osyris at
upper edge

Long cleared place in
l.s.

Then small piece of
woods

beech

hemlock

ch oak

chestnut

rocks

soil 34 & 35

Surface heavy leaf
cover becoming some

what like stuff

Soil grayish, w. mycel

in upper part 34

gray below, too 35

& fine sandy

Some bac. in woods

Cinnicifuge

Dr

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Polypsteru

Back to \angle of rd nr creek

\nwarrow convex slope

ch. oak

chestnut

nyssa

so oak

under: - pine (big)

Rhus copall

mt laurel

Rhod.

bac.

Ascyrum

rusts of Lenedry

- Derris

Gaultheria

Soil grayish, fine sandy
sandy, yellowish below

Little Joe Dry
hdarts swamp
Sobelia, Baccharis
Plyss, sag, Eleochar
Scirpus etc

valley deepens -
Hemlock & Rhod. thick

Then,
forest as counted
yesterday, but
add hemlock &
brake -

now
tulip
chestnut
hemlock
red maple

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brake
with Rhod. thickets
along stream

Clintonia

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Short-fingered into - in
in regions - rocky
edges -
single-fingered for tall
in contrast to rolling
platform over; some
admission, round the
edge in rolling action

All specimens -
Rolling platform seen
on 9 specimens + pine
arr. of. wh. - white, marl.
red, black - see leaf
specimen

Jim Short - Philadelphia
Sub. Sept 5, 1934

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~~from the latter~~

Common higher part:
with oak, red oak, black
ch oak, hickory, etc.
thick red maple, etc.

Deeper valley, some hickory
of higher part
Red maple

Bottom - 2. Yellow (White)
O. palustris
sycamore
ash

More still hickory
red maple, etc.
Some of them
platanus

James Hume in Py in
Hendersonville 1750

These probably refer

Stearns, Partridge, etc.
 Sept. 1934

	A.	L.
full tank		
Gas, Cin. 4 @ 17 1/2		.70
Fuse		.25
Dinner, Berea	1.03	.10
Robbins Nest	1.55	
Breakfast		.93
Gas (7)		1.58
" 4		.94
Bridge, Burnside	.45	
Garage		.25
Tip		.10
Stearns	7.73	7.73
tip	.10	.45
Gas 7 1/2		1.75
" 8		1.96
oil 1		.31
Mrs Mullens	1.00	5.00
Gas (round) 5		1.03
Williamston	2.00	
dinner	1.14	
Supper	.31	
Breakfast		1.13
Bridge, Cin.	.30	

Partridge, Ky, May, 1934

306 miles

302 "

20 "

625 miles, 33 gallons gas

5 @ 21¢ = 1.05

28 @ 25¢ 7.00

\$ 8.05

qt. oil .30

8.35

fraction of perine .6 = 1.20

9.55

Lodging & lunches 3.00

1.50

4.50

9.55

4.50

\$ 13.05 Total expense

The vegetation of
pine has in fact
to slope exposure
as determined by
geol. structure

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