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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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No. 94 $\frac{1}{2}$

32

E. LUCY BRAUN  
2702 MAY ST.  
CINCINNATI

32 - 958 miles

Oct 16, '37. Cin. - Lygarts Creek,  
Carter Co. - Dirc Hill

17. North Fork Triplett Cr.  
(304 miles)

Nov. 7, '37. Flemingsburg,  
and east thru Walling-  
ford and up Fox Mt.  
(188 miles)

Feb. 26, '38. He Crousey Pike (117)  
+ across to 17.

(about 65 mi)

counts all on cards

OVER



Apr. 16. - Little Brushy Cr  
Rowan Co. 213 mi.

May 7 - Fleming Co. at  
Swinging Bridge  
188 mi

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Oct 16, 1937

Sygarts Creek at  
Carter Cars road.

Add Aster divaricatus  
in slope mess & in  
beech flat

Aster (prev.) } some known  
Scut Cat } ←

Beech flat -

asp. Goldieana

Aster (smooth shorter) (spn)

Pilea

Ferns of meso slope  
Polyst.  
Aspl. ang.  
Phegop  
Adiant  
Asp. marq  
Cyst butterfly

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Shore vegetation

Andr. furcatus? 4m  
Aster prun  
Lysimachia 5ft  
Siphium perf  
Helenium yell  
Aster spm, bluish-wh  
Cornus blue  
Cephalanthus  
Phlox par  
Rice cut grass  
Helianthus in water  
Canna arund  
Syc. Alder  
Hack mels Alder  
Sol: smooth

Cliffs l.s.

Silene rot. var

Dipulaster

Carex eburna (spm)

Top of cliffs

Sw. oak

black oak

Chestnut

dogwood

Pachystima

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Sink, + slope beyond,  
beech

Leached <sup>ss. shallow soil</sup> (margin) (10 ps  
vac vac. + <sup>mul.</sup> <sup>cap?</sup> stem

Eugenia

Gryl

Chrys. marian

Sericarpus aster

Sol. like spm of

Oct 2

Andr. scop

Aster lin

Ascyrum hyp



Pinn wing

Along l.s. slope  
at top, where open

Pachystima

Solidago (sp.) similar  
to Brachyactis

Andr. scop & fure  
Sorgh

Silphium trif

1 Helianthus luteus

Lonicera (spring sp.)

Aster laevis wing

narrow lvs (sp.)

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Rhus canad. (pub.)

Ostrya

red cedar

Rhamnus cr

Umbellifer

In places dominantly  
Andr. scop +

Phlox sub

Aster oblong (sp.)

Kuhnia

Ascl. vert

occ dwarfish Quercus mult  
redbud. <sup>Longwood</sup>  
cedar Ostrya

Lobelia - frons. recurves  
teeth

Lithospermum

Anem. virg

Chironanthus

Hyp. proly

Common or abundant plants  
are Sol. brachyph.

Umbelliferae

Aster obl.

Pachyst

Phlox sub

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Lib. rufed

brida Walter

Asch. tuberosa

lib. acery

Ceanothus

One place down.

Andr. scarp. for. 500 ft

This horiz. Cherty white  
ls



Down along Tygart  
Creek

where trail from N  
comes in

Mimulus  $\frac{1}{K}$

Alisma

Typha lat

Lippia

Cross Tygart's Creek

Rainy slope forest

1" goes nearly S

Smilax ### 6

beech ### 11

hemlock ### 7

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red oak ||| 4

elm ||| 3

~~Hamamelis ||| 2~~

~~Hamamelis 34~~

papaver

P. insy Opulaster

Drugs bitternut

Basswood

Aster der phlof der

Pselyst. Cornus alt

Herba hickberry

Aster cord dogwood

Hepatica Hystrix

smooth aster Shrub

Smilax leaf Anem. ~~leaf~~

Iris crest

Senecio herb

Thal. choice

green violet

*Allium cernuum* on  
dry l. s.

---

*Dialis grandis*

---

Returning - above  
cliffs which we  
went below before  
reaching dry l. s.  
ledges -

Slope about north

Wh oak X || || 7

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hemlock  
(mostly near edge) || | 3

beech III III III | | 17

red oak | | | 3

hickory, glabra || 2

s maple | 1

nyssa | 1

red maple | 1

---

35

Much dries are

small hemlock

dogwood

Cornus

Polyst

dogwood

Ant Parl

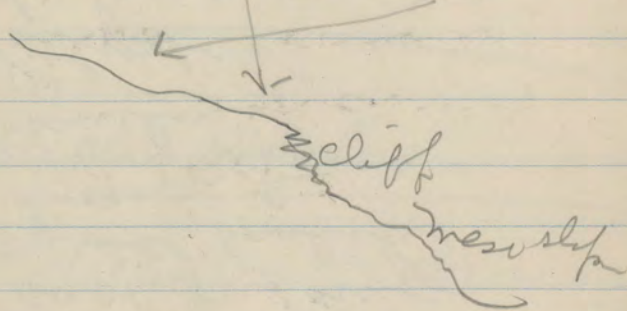
Dryd

*Phegopteris*

*var. hella*



More oaks near edge  
more beech back



Where beach part of  
slope is cut -  
mostly white oak  
in secondary stand  
Sharp line between forest  
counted 1<sup>st</sup> oak, + again  
to beech, etc.

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Oct 17.

Fire tower road  
going N. from  
U.S. 60 e. <sup>5 mi.</sup> of Morehead  
Rowan Co.

Prairie patches -

*Sorghastrum*

*Aster scop.*

" *frus.*

*Aster laevis*

" *undulatus*

*Euph. corollata*

*Mnarda*

*Helianthus hirsutus*

*Cirsium trufense*

*Liatris scariosa* n.  
petaloid tips



Some other things  
are mixed in, as  
*Spulax glauca*  
*Despedeza* sp  
*Cassin* nut

*Sol. nemoralis*  
*Solidago rigida*  
*Lobelia lept* (taken  
*Lesp. violacea* <sup>serius</sup>)  
*Cirsium* (sp)  
*Asclepias tub.*  
*Mimda incana*

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Thickets of (open)

*Sassafras*  
*Qu. alba*  
*Pinus rigida*  
white oak  
redbud  
*persimmon*  
dogwood  
red elm  
wh ash  
*Celastrus*

*Aster phlog*  
*Solidago* elm. ? (sp)  
*Aster* ~~umb~~ inf  
*Ceanothus*

Polymnia (large y)  
Passiflora lutea  
Vitis bicolor  
Amphicarpa mon  
Phaseolus <sup>lesm</sup>  
Hystrix pat <sup>king</sup>  
mesadenia <sup>top</sup>

Open, cont. -

Are there 2 Selphium  
w. 3 lbs in rhiz. 2 spms

bernonia (spms)

Kuhnia

Thal. revol.

small hair. tree sp. (spms)

Solidago, Thymus  
like Cluck Mt spms

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Scattered larger  
trees -

Tulip

wh. vnh

[Arabis can. on a rock

The top of the ridge  
is an open oak-hick  
ridge - l.s. at surface

Carya ovata <sup>in pits</sup>

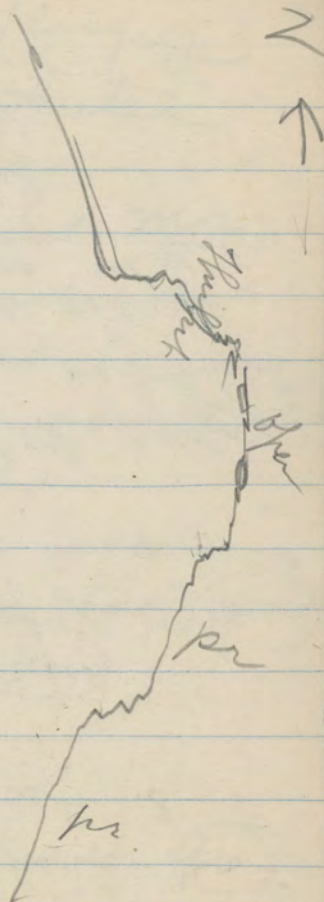
Querc. veluta

" alba

redbud

ash





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North Fork Triplett  
Creek -  
Flats at "Clark no 5"  
school (or church?)

Flat at foot of gradual  
slope, farthest side of  
valley from creek.  
Road crosses to right  
of creek just beyond

White pine  
tulip  
red maple  
pin oak  
small beech  
Oxeye.



Alder *truncatus*  
Ilex vert  
Ceph.  
viburnum *sp*  
Cornus flor  
" blue berry  
Siv. white oak

Doellingeria astin

Viola primul

" cuc. ? *sp*

wintergreen

Selaginella

Asp. n. l

Phlox mac

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Osm. reg.

Polyst.

Galium *sp*

Ludov. alt.

Scut. lat.

Lycopus

Lobelia card

Sabbatia

Panicum, fine lvs. like

Paragr *sp*

Scirpus cyf

Juncus *sp*

Panicum *sp*

---

Opp side of valley -  
white pine upon  
slope  
in Elk Lick.

Ascending Fire Tower  
trail

scarlet oak  
pitch pine  
red maple  
ch. oak  
ch. hickory

Sars  
Lunace-cop  
Oxyd

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bas. vac  
Andr. scop  
Cor. major  
Liatris scar. not petaloid  
Aster linear.  
Iris verna  
Ant. plant  
Ser. ast.  
Sol. odor  
Aster und  
" patens  
Hel. dir  
Smilax glauca  
Tephrosion  
Galenia trif?  
Panicum



Flats of North Fork  
(above Elk Lake + above stream)

Woods: -

tulip red maple  
red oak  
beech 1 hemlock  
s. maple  
magn. tree  
magn. tree

Mitchell - dry ground  
Kalmia chestnut  
Erigeron red maple  
Vib. (dent. group)  
Benzoin Curpin

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Alder + black birch along  
stream

gyp. perf	
Aster prun.	asp. n. b.
Phlox mac.	
Iris crist.	Phlox stolon.
Carex gym.	Aster laterif.
Eup. purp. mac.	Viola blanda
Aster div.	Triarella
Sol. caesia	Epifagus
Kouze	Sambucina
Ruell. lac.	Cimic. cordif.
Botry. obl.	Medeola
Crosp. trap.	Sol. latif.
Senecio aurea	Hyp. prof.
Pan. claud.	Eleph. cor.
Clem. virg.	
Sambucus	



Amis, cocules  
Muhl. met?  
Cimicif rac.  
Hydrangea  
Irola spp  
Chelone gl.

Anastomosing channels  
(higher than creek bed)

In these, Astu preu  
most abundant + other  
of the wet plants

The beech part about

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57 ft higher + herbs  
more of meso type

Nov. 7, 1937

East of Flemingsburg

Summit of high ridge -

Ridges capped w.

mass ss.

Small facing shale  
slopes more dominantly  
chestnut, with wh of

Top mostly

ch. oak wh oak

black oak

hickory ss oak

*Rhus glabra*

*Cornus florida*

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*Unc. stans*

*Cumula*

*Galium*

*Cornopsis major*

*Vitis bicolor*

*Hesperis laevis*

*Smilax*

*Lesp. hirta*

||

*Arabis can.*

Where the p. s. returns

on s. face -

scarcely ch. oak

open undergrowth much

*Cumula* + *Hesperis laevis*





with mostly *D. prunus*  
repr.

All in all - a barren  
looking forest

occ. *sc.* & *bl.* oak  
& chestnuts & *nyssa*

Thick duff

a small bush

Right on top, a little  
more *sc. oak*.

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Further, about 1 mi.  
west of Poston Sch.,  
where divide is broad  
& flat -

much white oak  
with *bl. oak*,

*C. glabra*, *nyssa*

long south on hand rd

Under, same  
*Pyrus ang.*

*Sol. caesia* *Celastrus*

*Eup. urt* raspb

*Aster phlog.* & *saget*

*Galleria* *shy*

*Rosa* (long sepals, *Ypm*)

Cumia  
Potentilla pum  
baevae  
Hasy, laer  
Ascyrum  
Ant. parlicum

damp spots w.  
Sol. Gramin  
Scirpus atro  
Pan. claud.  
Aster dumosus  
Juncus eff  
Lectr. box  
Smilax b n

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Oxyd

S.S. in bank of rd?  
just one place  
a white oak woods, flat  
little under

A white elm at a wet  
ravine head

A wet woods edge of  
slope is  
wh oak }  
ch oak } all small  
bl oak } T in open  
stand  
with gr. cover



of Danthom  
 Cunila  
 leaf Cladonia  
 Ser. aster

On farthest left  
 fork of rd just  
 before it starts down  
 a field of andr,  
 glomeratus (spun)

Descending a N slope  
 off this spur  
 ridge

①

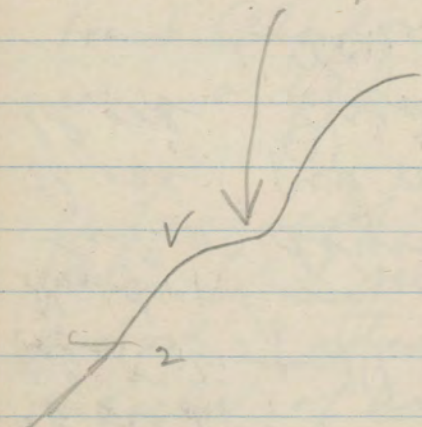
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black oak IIII	3
① glabra #IIII	8
ch oak IIII	4
sh f hick IIII	4
chestnut #IIII	12
myssa IIII	4
wh oak I	1
Ch. y <sup>st</sup> stumps III	
Understory	
hick's dogwood	
ch oak red maple	
bl oak Dryd	
wh oak	

Polyst. aer Hydrogen  
 Asp. platy lac  
 Sol caem



small beech cuts  
a short way down



Proceeding a corner  
of slope at -, check  
line to down.

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Trust. coer  
Cuenila

down to 2

chest III II  
beech I  
beech III

} add to  
①

with consid beech  
in understory  
Jris crista  
Thal. dec

down to downy  
beech

beech ###

ch. 11 nysa 1

hick 111 tulip 1

basswood 1 red maple 1

ch. ? stumps 11

Polyst

Asarum ca

Aster macro

Adiantum Cryptot

Benzoin Hydrog.

Pren, alt

fern-?

amp wit

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Cross parine to a SW  
slope

beech ###

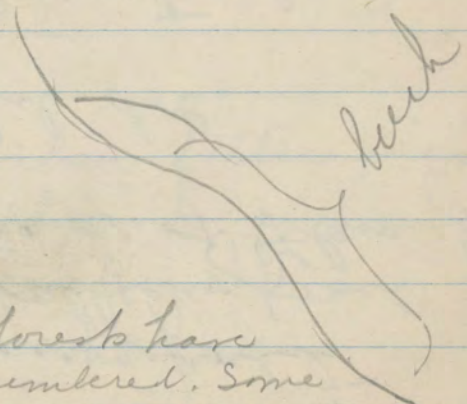
wh oak 1

red maple 1

hick 11

tulip 1

nysa 1



These forests have  
been lumbered. Some  
stumps recog. & counted.  
Counts only approx.

Prairie patch  
at Wallingford  
me e. of Flemington

On Sil. dol.

Silphium Terch  
Lepachys pin  
Trust

On barren rocky  
slope, Silphium  
dom.

Otherwise a poor growth

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Onl.

Lepachys

sw. down

Aster eru.

Penstemon - ?

Sol. alt

Mostly in dense  
less grassy grazed  
area

Another better slope

Silphium

Lepachys

Heuchera

Penstemon

Andi berg



Rosa set

" hum

Sol. arguta?

" nemoralis

bib. prunif

dumf peduncul

Sporob. vry

Pyc. fley

Hel. nudif

Hyper — 8?

Allium cernuum

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The entire area has been so disturbed that no prairie community exists. A few of its plants appear to have spread onto rocky & overgrazed slopes.

Mich 26.

Hills above Morningtown  
Kenton Co

white oak - ph & high

hackb.

cedar *Symphoricarpos*

redbud *Spicebush*

buck *Celastrus scandens*

Frax. quad. *Viburn. vulg.*

Kentuckia lac *Corylus amer*

Phlox divar *Hamamelis*

Eryth. alb *Vitis cord*

Anemone

Crataegus lac *Hydr. macroph*

Larkspur

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Erigeron bulb *Sedum tern*

*Cerastium nutans*

Ulmus fulva *Galium conc.*

Aesculus glabra *Claytonia virgin*

Ostrya *Senecio. obr*

Frax. amer *Geranium mac*

Acer sacch *Statice dioic*

Carpinus *Ran. abort*

Juglans nigra & cinerea

Quercus muhl

" bor. max

Carya cord

Coccoloba

Ulmus amer

Amelanchier -

Liriodendron

Ranunculus spic  
Nysa  
Calyx glabra  
Fraxina  
Rhus glabra  
Sassafras  
Prunus ser  
Liriodendron  
Potentilla can.  
Prunus amer  
Gleditsia + Robinia  
Andr. scop  
Aporosa can

Key: Coffee tree

Thicket along rd

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A west slope had considerable  
beech & wh. oak +  
prob s. on. & prob. all  
the things listed above  
from smaller trees

On road west from  
17 under RR RR trees

dutchman br  
twingleaf  
broad sowing

Syringia

Cardamine  
Polemonium  
Eryth. amer  
Theraps



*Corydalis*  
*Hydr. aff*  
*Aspl. platy*  
*Habenaria*  
*Cyst. frag*  
*Viola striata*  
*Rosa setigera*  
*vb. pumil*  
*Cynoglossum* off. (red)

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May 7  
Fleming Co. -

Flats (terrace) of Sand  
Lick -

A grove of big white  
oak wh. apparently  
was dominant tree

big *D. velutina* (pub) spm  
" *D. stellata* (2 spm)  
~~*maritima*~~

cherry; wh ash  
small: *D. umbellata*  
*persimmon* dogwood  
cherry  
wh ash

April 16 -

Little Brushy Creek

Rowan Co.

The woods of the stream  
flat is hemlock  
beech, Carpinus  
red maple, Fraxinus  
wh oak

Hamamelis	Erythra
Juncus strata	Bluets
Alder	Liparis bl
Habenaria spp	

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with birch, syc, & sw. gum  
willow <sup>(Salix sp)</sup> along stream

Cornus (Dk spm)

Senecio aureus

Panicum claud

Coreopsis aur

Azalea

Clem. virgin

Podophyllum

Lonicera

Hydrangea

Erigeron

Sambucus

Viburnum

Cuyahoga p. s. slopes  
Facing SW.

Beech

Tulip

red oak (loc max)

wh oak

Oxeye

red maple

Rubus

Poa

bit. scab

Stellaria

" acrif

Triflora

Amel

Heuch. ambr

p. virg

Cumula

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Viola hirsut

bleets

Ant. plant

Krizia ampl

Pot. pumila

Viola rostr

Sedum

Aspl. platy

Polyt

Hepatica obtus

Thalesia unif!

Opals var

Geranium

Quartthera

Oak woods of p. slope

Dragon root

about below



Clematis verna  
Ger. mac  
Polyp

Mostly on soil of this grass  
into flat, at least to edge  
of field

Johnson School

Stream flat  
beech <sup>Big</sup>  
sh. b. buckeye  
buckeye

dogwood  
Benzoin

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Carpinus	Hydrangea
birch	Hyp. pop.
syc	Cornus
red maple	Sambucus
s. maple	bit. scab
red oak	Evony amer
bitternut	
Erythraea	Ger. mac
Aster pre	Podoph
" der	Polyp
Clem. v. v. v.	birch pop?
Sen. aurea	" rust
Ag. pr. v.	" heart
Ger. cr. v.	Clem. hetero
Impatiens	Card. dougl.
Stellaria	Arcaea

Where the <sup>low</sup> strath<sup>2</sup> forms  
a terrace directly above  
creek -

Kalmia

Gaultheria

Epigaea

Slopes of main strath  
are sec. gr. oak - What  
was primary?

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May 7

Fleming Co

10 1/2 miles beyond Flemingsburg  
at Swinging Bridge

Flats (terrace) of Sand Lick

A grove of big white oak  
wh. was app. the dominant  
tree

big *D. velutina* (put) sp -

" *D. stellata* (sp)

cherry, ash, oak

Small: *D. imbricaria*, *D. prinus*

*persimmon* drywood

locust wh. oak - some w. red

cherry buds & pub. lvs

wh. oak



plum (broad lvs) spm  
plum (narrow lvs) spm  
p. viny      Rhus csp  
Amel. (spm)  
dwarf Crataegus

bluets      Hier. scabrum  
Smilax glauca      Asyrum  
mayapple      Pyc. flex

Soil in "red" looks like  
uplands.

"Field" with Sol. arguta

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Andr. vng

(white pine hemlock planted  
in little cemetery must have  
come from rather nr)

White oak wood <sup>+ small trees mention above</sup> (r. D. stellata)  
<sup>+ occ. Cory. water</sup>  
Scutellaria (like under tree place)

Cornus

Salva lyrata

lib. prunif ; Crat. (spm)

Hypoxis      redbud

Cheropsis major

Ant plant

Galleria stip

Vac. vaullans; vac stam

Silphium luf

Celastrus



Cladonia, Dicranum, Leucobry  
 Chamaecium  
 Oxalis violacea Claytonia virginica  
 Polygonatum by Pan about  
 Anemone leptocarpis  
 Carya ovata Card. drugh  
 red maple Geranium  
 Corylus Psedera  
 Polemonium reptans Ruzica  
 Frasera Senecio juncifolius  
 Scutellaria Cynoglossum  
 Erythronium Ment. lac.  
 Solidago caesa Eup. purp  
 Magnolia  
 Arnica can. Populus cor  
 Penstemon & Smilacina

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Carpinus Arisaema drae  
 Clem. verna Senecio vtr  
 vib. perf. Hydrastea  
 Eup. urtic. Xanthoxylon  
 occ. cedar + P. virginica  
 Phlox car. triff  
 Lobelia sp. or left. mil dentate bract  
 no look in sinus  
 Sort of open to open.  
 Convolvulus pubescens Rosa setosa  
 "very <sup>long</sup> pub. per. Physalis  
 Urtic. perf. Losp. spp  
 Anem. cil. Coreopsis lutea  
 Thasp. pennat. Aster umb.  
 Little creek or Apoc. of Blephar.  
 Aster prenanth, <sup>later name of</sup> cil  
 Silyb. albidum Helianthus her  
~~Desm. bract~~ Psoralea trochyl

Troutem ang Aesc. tulerose  
Viola striata

Lots of *Cerophyllum* + *Thuidium*, <sup>Climax</sup>

Scut. - large pet Euph cor

Hemlock ever Siphium tree

Salvia *Fragaria* very

*Oxalis grandis* *Vicia cord*

The above are on openish slope

in some dolomite outcroppings

Woods on northw. slope,

was secondary wh. oak,

has big stumps (<sup>oak?</sup> wood sp)

3-4 ft diam; chestnut.

Large trees.

wh. oak tulip red oak

*Carya ovata* walnut *Nyssa* 1:1

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A big *Oxydendron* 5 ft. circ. b. h.

Under:

*Ostrya* wh oak ash

s. maple red oak chestnut

wh ash redbud *Oxyd*

persim dogwood red maple

shb hick hickory *S. prunus*

*Nyssa* mulberry *Nyssa*

*Carya*, 9 ft.

*Cardamine* leaf *Xanthox*

*Psedera* *Cornifug* *Vitis cord*

*Phegopteris* Jack Hazel

mayapple *Arisaema* *Polystichum*

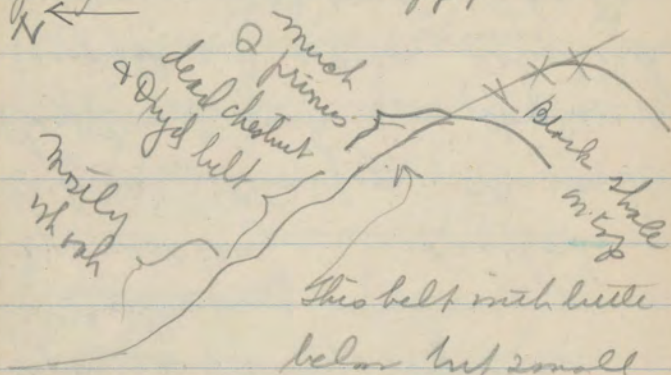
Kentuck *Oxalis grandis* *Adiantum*

*Anemone* *Chromola* *Geranium*

*Eupurt* *Sonchium* *Botrych* very  
*Epipactis*

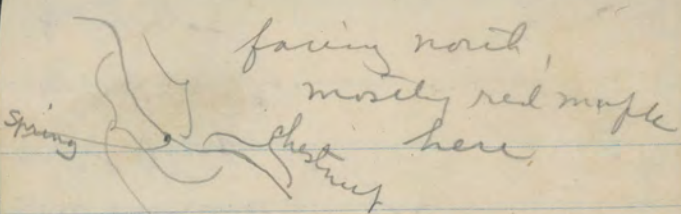


Loose heavy leaf litter, (spm)  
 2 inch lf. & root duff  
 grey-brown soil - stiff plaster  
 N ←



This belt with little below but small  
 Q. prinus, Lys. quad. Cuneif. rap. etc.  
 Q. prinus, red maple, Nyssa  
 Anychia slender  
 top in places a windswept ch. oak  
 barren incl. solid *Prunus* carpet  
 & scattered patches of *vac. vac.* stone  
 just like parts of Peak Mt in Adams Co  
 Gaylussacia Hieracium ven.

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red maple	###	###	1	-	11
tulip					2
Nyssa					1
Dryid	1				1
chestnut	###				7
red oak			3		
Q. prinus			3	sh & thick	1 1
red oak			3	s. maple	2
Carpinus				bl oak	1 1
papan					
s. maple				asp. n. b	
red hange				magnolia	

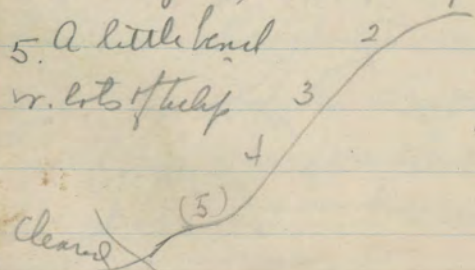


Back on ridge & on up -

Good ch oak summit, little of any disturbed.

Going off top on n or slope, lots of *Silene pens.* in bare spots in Ch. oak woods

- ① top is ch. oak
- ② part way down is ch.-ch. o.
- ③ west, wh. oak - hick or wh. oak - Chestnut - hick
- ④ Chestnut red maple with Tulip & red oak



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- ④ has
- Aspl. f. f.
- Polyp.

det. by M. F. [unclear]

A swamp in valleys

- { *Sphagnum strictum* Spills
- { *Eleocharis palustris*
- { *Polygonum sag*

Scirp cyp Eup perfol

*Juncus effusus*

*Urtica arvensis*

*Aster umbellatus*

*Panicum stipitatum*

*Agrimonia parvifl*

*Aster umbell*

*Aster pres*

*Carex gyn* (sp.)

Crossing valley to base  
of hills along its north  
side - there wh oak was  
mud like Beaver Pond  
with Phlox car.

*Senecio aureus*

*Silphium trifoliatum*

*Arsaem tri + Dra cotta*

*Smilax*

T. maple dogwood

wh oak red elm

sh b hick carp

wh oak Osage

red oak, put

red bud

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Larger:

wh oak

sh b hick a beech + 1

*Q. imbric*

*Q. vel (pub*

*Q. snapple*

There are big wh. oaks (also  
stumps)

Plants as for just wh. oak  
area listed

*Krizia glandulosa* (tubers)

" *amplex*

*Evonymus atrop*

*Vincetoxicum* (sp)

*Anemone vry*

*Hydro. macro*



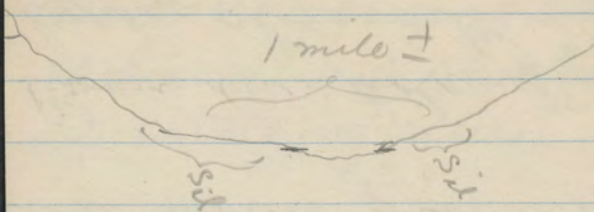
Arist. serp.  
Lithospermum latifolium  
Urb. perf  
Delphinium tricorn  
Dasystema veyglanum

(a swamp with  
Eleocharis (sp.)  
Viola premulif

Hesmod. rotund

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General configuration of  
valley:



A wide valley with a rolling  
level determined more or less  
by the outcrop of Silurian  
Dolomite - which shows on  
eroded slopes or near points  
just a little above creeks  
Above this outcrop is a flat  
to rolling or (on narrow  
side of valley) an inclined



surface which is dominantly  
white oak (saw 2 beech  
trees ~~low~~ on south sloping  
area). Toward or on edge  
of this "strath" there seem  
to be open places. In  
these are numerous  
plants of the corresponding  
Adams Co. dolomite slopes  
but not true prairie sp.

Above the dolomite  
level, slope on Ohio Blue  
Shale; a prominent  
chestnut band on all  
the hills, north &

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south. Above this, *Quercus*  
*prinus* appears dominant.  
On south facing slopes  
of knobs (not climbed)  
are patches of pines.

Enough big white oaks  
to show that white oak  
is a primary type.

at Blue Bank, the  
Crab Orchard shale esp. in  
eroded slopes. Where not  
eroded (prob. at Brassfield  
level) many "prairie"  
perophytes. Right along

road:

*Lithospermum canescens*

*Blephilia ciliata*

*Lobelia*

*Agave virginica* in  
quantity

This continues for a  
mile northward to the  
high pine knob.

*Phacelia Purshii* -

Fleming Co

Mason Co.

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*Hydrophyllum appendicul.*  
- Mason Co