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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 $\frac{1}{2}$

33

E. LUCY BRAUN  
2702 MAY ST.  
CINCINNATI, OHIO

1938      33 - 757 miles

April 4. Lick Fork, ranne or  
west to head. Rowan Co.

April 5. Sandy Hook rd.

(1) Trib. to Laurel Creek

(2) Little Sandy east of Tfd

(3) Trib to Little Sandy, of Green P.O.

April 6. Little Sandy or Laurel Creek

(361 miles)

OVER

Apr. 22-24

Apr. 22. To Portsmouth

" 23. Up Tiggarts Creek to  
about 1 mi. S. of Greenup gage,  
& cross to Raccoon Bridge  
on Little Sandy, to Greenup,  
to Ashland.

Apr. 24. Ashland - Greenup -  
S. to Grayson; to Carter City  
to Cin.

(396 miles)

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April 4, 1938

Eryth. albidum in Fleming's

Lick Fork - Rowan Co

about 1 mi. N. of tunnel at Paragon

Lowest banks undercut &

with Henlock. <sup>pl</sup> Very mossy  
bed in places

Amel <sup>pl</sup> whitish  
magn trap <sup>pl</sup> to ground

Kalmia Chamaener.

Rhod. Krigia anglex

Epigaea Armonella

Urena car. Mitchellia

Erany. aner Iris crist

Poa. Sepiluria

Polypodium Erythraea  
 Viola rosea Ment. hetero  
 Aster dix " diplyle  
 bloodroot Perca  
 Benzoin Adiantum  
 Orchis spect  
 Tiarella  
 Ant. politus  
 Pedicularis can

just above seems to be  
 more of a white soil slope

Ant soil + plantag  
 blues missa

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Ascyrum Dryd  
 Podocella pumila  
 Selaginella apus  
 bac. stam  
 Pteris  
 viburnum pur  
 Arabis verna  
 Stellaria ped. petals longer  
 than sepals  
 Salvia lyrata  
 Aralia spenosa  
 Mayapple

Gring up ravine  
 Hepatica Asarum can  
 Geranium  
 Ran. hespidus  
 cross vine

Clayt virginiana  
Phlox div  
Polemonium

Asarum

Abies parvifolia is cutting  
across the narrow  
(Parker Strath) terrace  
& is essentially like lower  
slopes of Lick Fork

Then parvifolia with  
much beech

Claytonia caroliniana

Tupulacium some w. very  
wide lvs

Aplectria

Phlox

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Ger.

Cynogloss. virginiana

Arenaria

Iris pridis

" rostrata

Iris

Stellaria

Podophyllum

Plant heterostachya & lac

Trollium grandiflorum

Trillium

Lappula

Hydr. canadensis

Smilacina

Sedum ternatum

Juglans cinerea

Adiantum

bigger trees are  
beech  
hasswood  
butternut  
tulip  
red elm  
birch

Senecio aureus near brook  
Cimicifuga

Hydrangea Cornus alt  
Sambucus  
papaw  
Caulophyllum

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bloodroot all has narrowly  
lanceolate petals, & too  
many

Botrych. vrg)  
Asarum acun  
Aruncus

South slope has more  
oak & meso herbs  
do not go so far  
but more blood root  
a patch of Cyst fragiles

Silene stellata  
Green violet  
Aster phlog  
broad triloba

Campanula amara  
Adiantum  
sm sw cichely  
Oralis vrl

---

No change at limestone  
horizon except perhaps  
absence of Trilobium sp.  
& Caulis

---

back in panna -  
Aspl. acrost  
" angust

---

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Up to Potterville

Saprophyte on Potterville  
with Heuchera - ? piece

---

limestone cliffs in place  
on south slope below "  
Eryg. pulch  
Lupinus ang  
Salvia

Senecio obs (?) spm

& a l. s. shelf of the dry  
looking type w. bit pebbled  
Oak - hick  
Ant., Sen



4 then a sandy talus  
with

Chamaelirium

Obolaria

Oak, hickory & dogwood  
Q. prinus C. ovata  
velut

lots of Soldia (pink?)

Hammamelis

vit acerif

Formerly very large chestnuts

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The ss cliffs with  
Kalmia

Epigaea & gaulth

vac. cougnt

asp. mary

In gap

Silene very

Pine knob top

pitch pine

Small Dryd

Rhus

red maple

A

Dense vac, vac

Gayl

Bracken

Andr scop

Epigaea

---

Toward north face of cliff

Silene rot Heuch p. r.

Aspl pinn Bryozophila

polypods Aspl. trich

Creeping at ft of cliffs:

Cucumber tree

Monotropa

solid slopes of *Armeniacum*

*Obovata*

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*Epipactis*

*Aralia spin*

*Iris crist*

---

*Gillenia stip*

North l. s. cliff

*Camptosium*

*Thal. dore*

April 5.

~~Elliott Co~~

Lupularia - Elliott  
Eryth albidu - Ross  
" " Fleming

On rd. to Elliottsville, just  
after leaving US 60, on  
flat of creek, remnants  
of a beech flat, with  
Bet. nigra next to stream  
+ Mertensia

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Rd. to Elliottsville,

Aspen on right (after Deer Den  
+ before rd. 60)

that drops in from flat

hemlock IIII 9

beech IIII 5

tulip III 3

maple IIII

larch I

cucumber IIII chestnut IIII

all  
very  
small

Rhod  
Holly Hamamelis  
Kalmia Opul  
Magnif dogwood  
Aralia sp  
Benzoin  
Rubus odor ??  
Evony amer

much Asp spin  
 Sr. erectum  
 Taraxacum  
 Aster div  
 Lupulus  
 Mitchella  
 Ran. recurv.  
 Thalictrum }  
 Heuch. p. r. }  
 Silene rot. }  
 Lyc. lucidula  
 Viola blanda

Amel  
 5  
 4  
 70

Asp. spin Dent deph.  
 Epipactis

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Above gorge

more Kalnied  
 mitchella vac vac  
 Gantheria " cogn  
 Epigaea Amel  
 Lyc. obs Holly  
 Heracium ven  
 beech II vit acer  
 hickory III  
 black oak III III  
 chestnut

Essentially oak forest with  
 beech

Moss mats of Lenc. Dur

On Newfoundland Rd

(less than 1 mi. east)

Gently rolling upland <sup>①</sup>  
 beech ############### 28  
 wh oak 11 2  
 Fagus  
 bl. oak ### 6  
 red maple 11 2  
 asc oak 1 1  
 Daydeuder 1 1

holly wh oak  
 red maple red oak  
 Dryd hemlock  
 Buckeye oak dogwood  
 Orme

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Hent. hetero Ger. mac  
 Eryth amer Am. trifida  
 Viola hirsut + emarg. spm  
 Card. penn (?) spm  
 Tup. americana Gaultheria  
 Epifagus  
 Ervum amer  
 Stell pub  
 Ran. recur

Where more deeply cut  
 more hemlock under  
 vib. acerif

Becoming more hilly  
 creek beginning to cut  
 rock but not gorge (2)

beech		12
red maple		6
tulip		2
hemlock		5
chestnut		7
black (or red not map) oak		2
Carya glabra		1
Dryden		1
Buckeye		1

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Understory

hemlock	Arms
holly	red maple
buckeye	beech
dogwood	tulip
Dryd	Kalmia
Rhod	

Gaultheria  
 Mitchellia  
 Cyp acaulis

Cliff

(Aspl. cut lv on rock)  
 Silene rot  
 Hauss p p.

Below Cliff along  
Little Sandy <sup>(3)</sup>

face SSE

hemlock		
red maple		
Tulip	1	
Birch	1	
wh oak	1	Q. bor. max. 1
beech		chestnut 1
dogwood		Kalmia
r maple		hemlock
beech		holly
Orchid		Phlox
Amel		Aralia spen

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Mitchella      Cyprip. acaule  
Psedera

Polyst  
Climates very  
Aster div

Top of cliffs which  
are at river & face  
about south

Sc oak  
Q. stellata  
P. virgin

Antenn. plant

Andr scap

vac vac

Gaulth

*Orchis pedata* (L.) + plant

Trust. cover

vac conyul

Ludley

*Epigaea* Gaulth

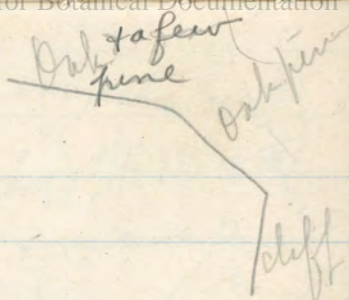
*Oxalis* vivif

*Coreopsis* major

Gerard. laes

*Iris* verna

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Above,

wh oak

sc oak

bl. oak

P. ring.

Point

all oak +

pine

with *Kalmia*

*Holly*

*Epigaea*

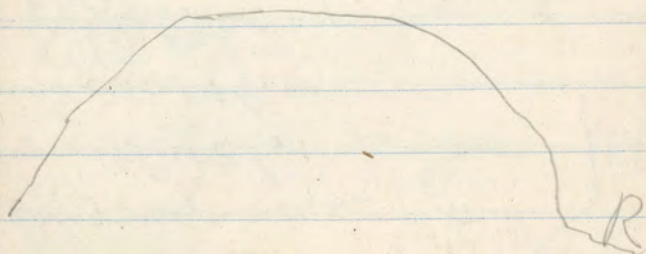
*Gaulth*





Black willow along river  
 + r. birch. Syc.

Field on top  
 Lichen rare  
 Rhuscop  
 Desp. spp  
 Potentilla frumla



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Ridge top woods in <sup>(4)</sup> Big Bend of River

Quercus (cup)	### III	8
wh. oak		2
chestnut	###	6
beech	## ###	12
hickory		1
red maple	glabra	1
oac oac		
Gayl	nyssa	
Dryd	red maple	
Epigaea	beech	
Gaulth	Ch.	
Vib. acerif	oaks	
Kalmia	dogwood	
Hamam		
Lepularia		

Start down at point  
9 hemlock enters (5)

beech III	5
hemlock II	3
tulip I	1
chestnut I	2
wh oak I	2
(red) oak II	2

dogwood

(At Big Bend)

going down cliffs

Aspl. ~~trich~~ Polypody  
Viola rostr. Thalictrum  
" blanda " "

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Erythraea

Baryfraga Belom

Hesperis heterophylla

Hutchinsonia

Stellaria pub.

Claytonia

Cornifraga

Jack

Hydr. can.

Circaea lut.

Podophyllum

Triglochin

Benzoin

red elm basswood  
tulip  
Jugl. cinerea  
magn. leaf

(Box elder on flood plain)

Lupotea  
Sclerum Trillium red  
Ilicia

Green violet (Byzoziphium)  
Impatiens under rocks

Scarella plant depth

Asp. spin Polyg. rug  
" mang Clayt. caro

Aspl. acros

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Cystop. frag

Smilacina

Cauloph

(Rubus odoratus? spm)

Hydrangea

Carpinus

Cornus altern

tulip III

basswood II

red maple IIII

red elm I

wh elm II

buckeye I

Galium aparine

Narrow piece  
helm piece  
to fl. cliff  
& fl. plain  
facing alms  
N

Carya ovata I

southerly slope above  
cliffs

beech-hemlock  
with lots of holly

Then above undercut  
mixed oak & some  
beech

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Creek (east on rd) of  
Green P. O., tribut to L. Sandy  
from east

Cuts rapidly down  
into gorge with fine  
beds of *Plicatula* and  
" " can

with y. *Eryth.* & *Clayt. veg.*  
& *Tillium* *pretense*  
*brala* *eris*

*Mertensia* *inflata*

a few big beech still  
remain on cleared floor  
*Equisetum* *arvense*

Clethra on cliffs

Flat small -  
sycamore  
hickory  
elm

Dent. dephylla  
Aspl. acrost  
Laportea  
Sambucus  
Impatiens  
Asarum can  
Caulophyllum

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Cont. Slopes:-

Asarum can	blonding
Caulophyllum	Adiantum
Ran. recurv	Anemone
Card. droef	Asp spec
Urt. rostr	

Trees:- beech, basswood  
hemlock, tulip  
red maple

April 6

Little Sandy - cross  
on swinging bridge  
at fault where a little  
l.s. is at creek level  
below cliffs  
is m. m. - beech  
with

Eryth amer  
Viola rose + purple  
bloodroot ok

---

Slope facing nearly  
south :-

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white oak  
red oak  
chestnut  
beech

---

hally	Bleeds
Kalmia	Pot. fern
bit acer	Hier. ven
red maple	Eugenia
C. ovata	Poa
Aralia rac	
Oxyd	

Massive cliffs

getting above, the oak  
of cont. or. or little  
pine & more Kalmia  
Gayl., vac. vac  
Gaultheria

Misc

Elephantopus car  
pissisera (in sec. oak  
upland woods)

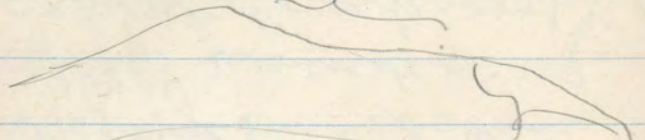
Botrych obl

Obolaria

Veronica - large creep

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highest tops  
sec. oak,  
mixed wh. oak



bush-wh. oak - red oak  
chestnut

Beech	###	###	11
wh oak			2
red oak			2
chest	###		5
hemlock at edge			
red maple			4
nyssa			1
with poor lower layers (good repr. of some) with holly			

very poor herb layer

*Trichella*

*Tupularia*

*Evonymum*

*Polystichum*

at edge, much *Claytonia*, car

Go down cliffs

*Magnolia macrocarpa*

In gorge: - i. e. below  
cliffs in indent. of  
Laurel Creek

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*Erythronium*

*Asarum canadense* (small fl.)

*Claytonia* car

*Decumbra cucurbitaria* + car

Jack (sp.) *Evonymum alatum*

*Asplenium* sp.

*Asplenium* across

*Impatiens*

*Plantago diaphora*

*Trillium erectum*

*Carulopsis* *Commersonia*

Trees: -

beech butternut

red maple

hickory

hemlock

birch



Luminant mossy rocks  
w. Asp. spin  
Aspl. trich on rocks (spn)  
covered w. Polypodium in place  
Lyc. lucid.  
walking fern

lowest slopes much  
Erythra + Clayton. car.  
Eugenia  
Hura

Meehania  
Anemone (guing. ? spm)

Claytonia car. is very abundant.

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Following up creek on alluvial  
Terrace -

l.s. (?)

Mitella

lots of Rubus odor

" of sedum on rocks

Along alluv. Terrace

buttermilk

elm

Carpinus

s. maple

Along creek      Syc.  
alder

Going up a trail cutting  
layered l.s. at bottom

A tall larkspur? or *monardella*  
*Cimicifuga* *gomerigayana*  
~~in~~ *monardella*, (up to 7 ft)

much *Rubus odor*

*Mechanica* everywhere

*Gramma* *mae*

In creek.

*Mimulus*, *Castro* *peris*  
base

*Penthorum* *petrae*

going on up Laurel

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Lemlock - Tulip - Beech  
Rhod.

*Magn* *maer*  
" *trif*

Mosses of *Trill* *erectum*  
Cross Laurel

and fern

going up a south-flowing  
trib.

Can. violet (on lower l.s.  
slopes)

About as lux. as north  
but lacks *Tr. erect* plenty of  
beech *In grade*  
tulip lots of *Magn*  
butternut *maer* & *trif*  
A. maple

Box canyon with very  
high walls

Staphylea  
some Fr. erectum

Senecio aureus

Back to Laurel Creek  
& follow trail on  
southerly slope

Lacks herb. layer of  
the north slope

Forest is  
beech

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chestnut

o maple (low, on ls)  
red maple (up

Rhod.

Kalmia

Holly

both magn m + tr

Aralia Lirca

Epigaea

Fr. gr

At top of Laurel Cr  
grove - much hemlock  
as Laurel  
mostly pine at top on  
south

Up another branch  
(lower down)

Much *Hepatica* on  
lower l.s. slopes

*Anemone* growing on southerly  
slopes of Laurel Cr. as you walk  
back

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Greeneys Co. Apr 23  
Miss

fire pink	<i>Gallium</i> sp.
<i>Arunca</i>	<i>Oxalis</i> sp.
<i>Staphylea</i>	<i>Geranium</i> car
river birch	
<i>Clematis</i> var.	
<i>Cornus mac</i>	

Streamside & flat.

r. birch	Wh elm
soft maple	cottonwood
<i>Salix nigra</i> + <i>alba</i> var.	
<i>Equis arvense</i>	Syc
p. w. y.	Eleph. car
<i>Aster panic</i>	

North slope of Lower  
White Dale Creek -

basewood  
 buckeye  
 s maple  
 beech  
 tulip  
 wh pine (occ)  
 butternut  
 hemlock (occ)

UNDER		
Carpinus	s maple	Aspen
milberry	ash	
Hammock	beech	
red oak	poplar	
birch	wh. pine	

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Thasp. herbifolium	Hydrangea
Adiantum	Papaver
Arenaria	Impatiens
Polyst	Oxalis
Asp. mary	Aspl. acros
Jack	
Discrist	men. can
Por	Podoph.
Amicifragarac	Asar. can
Cardamine (sp)	Anemone
Solidago latif	bloodroot
Trollium erect	Phegopt. hex
Circaea alut	Aster macro
Collinsonia	Hepat. acut
Stellaria (sp)	Geranium
Drosera	Polyg
Dentaria lac	

Higher, goes up to  
oaks, incl. *Q. alba* +  
*montana*

East facing slope above  
highway - much

oaks  
some pine (putch + very  
wh oak

*S. maple*

tulip

breckys

much  
oaks  
maple

Seepage ponds.

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*Alisma*

*Ludr. palustris*

tancy mustard (like Gall. Ⓞ)

*Lycopus* red

Pasture slopes

plains

blueets

Flats:-

pine oak

red gum

pond with *Nymphaea*

Lots of larkspur on east  
slope oak woods

Terrace flat -

- Pyrus cor. (spun)
- Pyrus ang (spun)
- Rhus cop
- Crap. (punctate group)
- Sclerocoma lance

Woods <sup>secondary</sup> back toward Tyants  
Creek at edge of strath

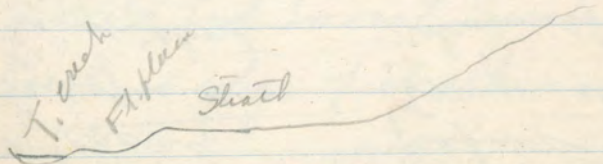
- silver maple <sup>only on lower part</sup> sh. l. high
- redbud
- elm

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- sh oak
- dogwood
- Carpinus
- w. cherry
- Larkspur
- Ran. abort.
- box elder
- Mimulus fist
- Podoph
- Erythra am
- Hent. lac
- Arisaema Draa
- Trichium sessile
- Phlox dir
- Impatiens pallidi
- Geum verne
- bloodroot
- Geranium
- papaw
- Erigeron alt
- verben alt
- Sambucus
- raspberry
- Polemonium (sm)
- Clayt. virg
- Polyst
- bit. prun
- Sedum tern
- Cynogloss virg
- some sp of Kneiff

Pyrus. flex bur oak  
Corn. repens  
Persimmon  
Sassafras  
white pine + Virginia  
Rhus glabra  
Chestnut  
tall Thalictrum  
Galium pilosum

T. creek  
Fl. place  
Shrub



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Silphium trif  
Penstemon sp  
Crataegus, cordate ovate lvs  
Black oak  
blueberries  
Hieracium scabrum

Just past Plum Creek  
Saxifrage

Banks of T. Cr. belm rd  
beech, birch  
with a maple, carp, dozens  
under.



Phlox panic  
 Aster cord  
 Senecio aureus  
 Salvia lyr  
 Veronica, big creeping  
 Hentaria multifid  
 Krigia amplex (spn  
 Larkspur  
 Hydr snard

---

After rd crosses to  
 east side of T. creek -

A large ex-bow cutoff  
 with much Puccin

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Juncus effusus  
 Polyz. sagittar

Lycopus, cut leaf like  
 (looking R cutoff)  
 Bidens, prob. trash

---

West Slope

Steep bank above cutoff

big umbrella	Siv. gum	Armed
	P. rugosa	Azalea sp
	rob. oak	Smilax rot
	red maple	vac vac.
	beech	Kalmia
chestnut	Oxydendro	
Coreopsis major	Ascyrum	
Dic. verna	& crist	
Seric. ast.		

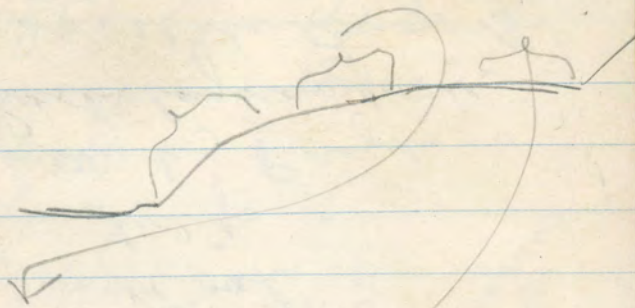
W. cherry  
Krigia amplex. cut by  
Pyrus melanoc  
Hiera. venosa  
Viburnum acerif  
Vacc. stam ?? spm  
Lespedeza spp  
Ant. Plantago  
Like Cunila (spm)  
Tr. arbutus  
Gaultheria

Beech goes on on Top

Ant. solitaria

W. sag.

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Beech tulip, Ulmus  
near red oak

high plain ? mostly  
cleared

big white oak & tulip

Andr. glom

other large trees  
Carya alba  
w. cherry  
beech  
elm

Remnant of orig. forest  
with beech }  
cherry } really  
bl oak } biggest  
tulips }

pretty big P. ruga  
herb. layer sparse,  
not all the things of  
the steep slope

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Logan	red oak
Dry	chestnut
pine	Amel
beech	
cherry	
Carp	
Carya alba	
Nyssa	

Cornus	Cynoglossum
bluffs	Arbutus perf
Opalis roof	
Lys. quadr	
Galleria step	
Ascyrum	

Go up to lots of pine  
black oak

*Quercus*  
*Q. montana*

*Vaccinium* *Brachyactis*  
Aster and  
Gallium  
*Crepis* *virginica*

To a sandstone cap  
w. aspl fern  
& rises slightly

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back to steep bank -

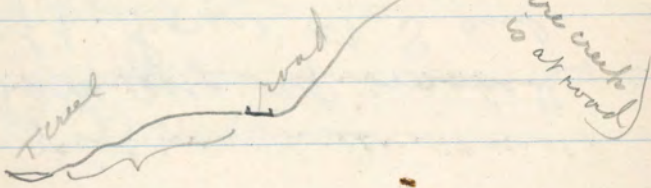
Saxifrage  
*Aspl. platyneuron*

oak slope with  
*Q. alba*  
*Q. bor. max*  
*Q. maple*

Lichen

Path goes up immmed  
opp. house at S. end  
of ox-bow cutoff

At little church -



beech

tulip

sn. buckeye

sn. gum

Carpinus

Asimina

Viola pap

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Rudb. lac

husky Steir. ciliatum

Ran. abort

Sedum tern

Clem. virg

Ran. septentr

Phlox par

Corallorhiza sp

pr. ivy

Viola striata

Just past Little Church  
& before Lynn school

Steep bank facing south  
is beech, red oak  
wh. oak, hick, tulip

Larkspur  
Dent. mult  
Hydr. macr  
Clematis brown  
Cynogl.  
Cystop. frag  
Bloodroot  
Anemone  
Erythra  
Vincetoxicum (sp)  
Conopodium  
Anemone  
Dent. lac.  
Cyst. var  
Poa

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Saxifrage  
Stellaria  
Sedum

Opp. this is a pond lily  
pond & Anemone var

Round root herb + a  
Small rose  
Hypoxis  
Vicia  
beech

sh. b. buckeye      s maple  
sh. oak              ash  
buckeye, pr  
tulip

Carpinus pedunculata	Logwood
Ash	Tulip
W. cherry	Corylus
Dios crest	Adiantum
fire bush	Polest
bloodroot	Celastrus
Saxifrage	Aspl. acrost
Stellaria (smaller many fl)	
hairy or Cicely	Anemone
Polemonium	Eup. urtic
Aster mar	Collinsonia
Urtica perf	Xisto corde
Hydrangea	Aspl. platyph
Thalictrum dio	Botry. virgin
Cimicifuga rac + var cord	
Hepatica obtus	Smilacina
Arum	Orchis spect
Polygon. virgin	

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Goes up in a short distance  
to ridge top flat of  
oak

Immature soil  
heaths - Vaccin, Gayl  
Gaulther  
Dasyst laer  
Ang. vill  
Lys. quadr  
Hypericum frul

Bigger trees are  
bl. oak all size repr. +  
wh oak dogwood  
beech Oyd  
red oak  
Q. stellata

sparse herb. layer  
 with Lys. great.  
 betch, Ran. hirs., Oxalis viol.  
 bluish, Salix lyr

Even some of the narrowest  
 ridges facing west are beech

Swamp - Card. bulb  
 Aphananthus Acorus  
 Panicum claud Ludr, seed  
 Cicuta mac. lots of  
 Salix grass &  
 Rosa palustris sedge  
 Epilobium sp

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Noctua  
 Ascl. incarn  
 Saururus  
 Habenaria

Rd goes up over a divide  
 much woods - East slope to T

beech		329
Tulip		12
rh oak - wh, red		9
hick - alba		1
red oak		10
s. maple		2
ash		1
Nyssa		2
Chestnut		5

All these in woods of  
 Dryden, Arnet



<i>Pseuder</i>	<i>Sambucus</i>
<i>Sonchium</i>	<i>Carpinus</i>
<i>Stellaria</i>	<i>Japara</i>
<i>Umb. perf</i>	<i>p. my.</i>
<i>Polyst</i>	<i>Geranium</i>
<i>Geranium</i>	<i>bloodroot</i>
<i>Podophyllum</i>	<i>Cornifraga</i>
<i>Lupularia</i>	<i>Polyst. bifl</i>
<i>Trollius grand</i>	<i>Gallium stip</i>
<i>Erig. pulch, Braun</i>	
<i>Iris crist</i>	
<i>Senecio aureus</i>	
<i>Ant. plant</i>	

---

Branch Rd to Little Sandy  
 & Greenup  
 Little Sandy R at Raccoon  
 Br: -

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birch, eye, cottonwood, sassa  
 maple  
 woods on W W W face of  
 hills  
 beech, buckeye, oak (red & wh)  
 tulip LOOKS GOOD

---

East of Greenup on 23.  
*Stylophorum*

April 24

Above Argillite on Little  
Sandy R. Greenup Co

A steep bank (secondary)  
buckeye, beech Faces SE  
basswood ~~Shetland~~ Rocks outcrop  
Carpinus

papan  
redbud  
butternut

dogwood

hackberry

Jack

Went down

Cystopteris

raspb

Polyst

Adiantum

Woods

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Hydro. v. v. g.

menisperm

Saxifraga

Alentia cuc

Phlox dioica

Geranium

Opp. church at Stoperwell,

in oxbow cut-off - good

Ceph. swamp, app. little

dist.

Enter. Carter Co

Carya laciniata on flat

near Pactopus

Big oxbow lake (on map)

(where r. r. (non-existent) crosses)

lots of Nymphaea

Alisma

Cephalanthus

a little further along:

Ran. hispidus (sp. m)

Rosa palustris

Pycn. flex.  
junius off

Rd. to Carter turns off at  
Linsey Chapel + goes thru  
Everman P.O.

At Carter City much white  
pine, some orig. Standing  
near beech; much  
secondary. Trees scattered  
on slopes of all directions  
low, and high, in cliffs

This in valley of Buffalo  
Creek, a big tree of Lygnet

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Below big bend on Rd +  
below heavy l.s. -

a trail from east:-

Slopes facing west:-

beech with consil val

beech

Staphylea

basswood

red oak

Carpinus

Cornifraga

s. maple

Full grand

ash

blondroot

buckeye

Podophyllum

wh oak

Hepatica acut

dogwood

Geranium

Disporum lan

Viola rostr

Anemone

Went lac

Ranunc, flowing west  
 beech Benzoin  
 butternut Staphyl  
 s maple Hamamelis  
 Carpinus Corylus

Phloxidix Sedum tern  
 Geranium Laportea  
 Lirioden. Arneufage  
 Nuttallia viol. rock  
 Iris crest Hep. acut  
 Anemone-like Polystich  
 Stellaria Urtic. perf

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 Pedicularis Solva lye  
 Alent. hetero Jack  
 Eugenia pulch Botrych virg  
 Ran. hisp bloodroot  
 Collinsonia Orchis spet  
 Cercnea Green violet  
 Cynogl. virg Asarum can  
 Sol. latif Smilacina  
 Desmodium-like Ran. recurv  
 Aruncus (Both species similar)

John Moore Branch  
 North flowing. tree dropping  
 off Plateau in falls  
 Under  
 beech beech  
 red oak s maple  
 Filia basswood  
~~hickory~~ hickory  
 ash  
 dogwood  
 (Chestnut)  
 Red maple

Benzoin  
Vib. acerif

P. iny

Rich + varied herb. layer	
with	Tristella
Lullin grand	Camptosorus
Trarella	Viola rose
Geranium	Polystichum
Asplenium	Cerium fuz
bloodroot	Adiantum
Disporum lea	Hydrogonium
May apple	Botrychium
Sedum	Viola palan
Caulophyllum	Utricularia grand
Smilacina	" perf
Aster des.	Cyst. bulbifer
Polygonatum (unfl. spm)	
Anemone	

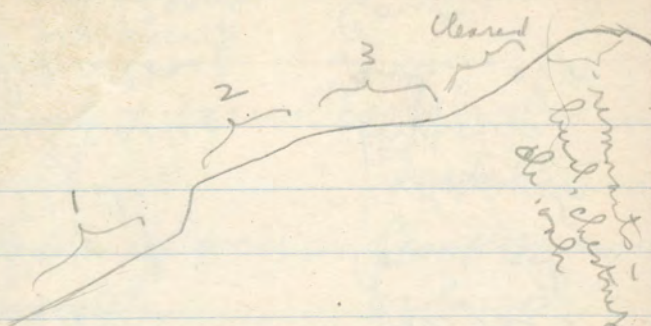
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A massive l.s. cliff. Above: -

beech	under	
red maple	(circled) Dryd	the 100 ft. high
red oak	dogwood	
hickory	red oak	
Carya alba	beech	
wh. oak	corp	
bl. oak	red + s maple	
	Ostrya	

A much poorer herb. layer -

Lull. grand	Polystichum
Anemone	Adiantum
Geranium	Azalea <sup>virgata</sup> <del>sp. m</del>
Stellaria	vac vac
Cerium fuz	Cornus alt
blueb.	Viola rose
Sol. caesa	Hypoxis
Pedicularis	Senecio obt
Ligularia	Corylus



Slope above, at 3 -  
 less beech, more oak  
 + still poorer herb layer  
 beech, ash, red oak, bl. oak  
 wh. oak, hickory, <sup>ash + white</sup> wh. pine  
 chestnut

- |                     |             |
|---------------------|-------------|
| Geranium            | Vaccinae    |
| Cyperus parvifolius | Polypodium  |
| Dent. hetero        | Eragrostis  |
| Cynoglossum         | Vib. acerif |
| Smilax              |             |

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dogwood  
 red maple  
 wh. red oak

Going back + on up  
 prairie: -

see spell m paper  
 insert

Ravine above falls: -  
(4)

beech

tulip

wh oak

Carya alba

Chestnut

red oak

butternut

Aspl. ff

Os. int

Fuchsia gr

Smil.

Amurago

Adiantum

Conced. has been  
cut out; scattered  
old stumps

Polyp

Iris

Mitella

Viola hercynica

Stellaria

Orchis sp

Psedu

putty root

hydrangea

Uvularia perfoliata

Tupularia

Botrychium

Despourea

Hammamilla

Proscopium

Cypripedium pubescens

Cornus alternifolia

wh. pine

Cynoglossum

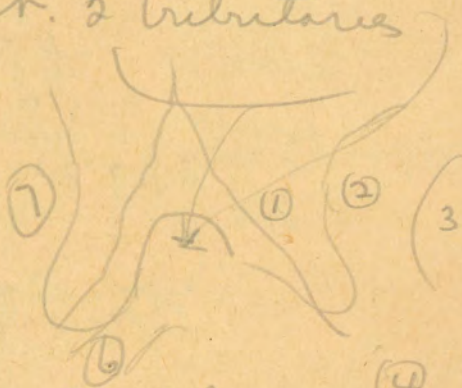
ginger

hair on creek

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Epipactis

Rounding point  
bet. 2 tributaries



beech & wh. oak at edge



(6) solid banks of  
Hepatica + Iris

beech butternut  
red oak  
ash  
red maple

Blue ash (log) just under  
cliff

(7) A sunnier slope  
facing SE

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*Eryngium pulch*

*Brachyotum*

*Aster phlog*

*Iris*

*Salvia lyrata*

*Euph. corollata*

*Ant. solitaria*

II

*Helianthus (hirs.)*

*Cypr. parviflora*

A grass patch - *Sporob.*  
*longi* ??

*Ceanothus*

*Pellaea*

*Hypoxis*

*Sol. ulmif*

*Diplo. viol*

big beech above cliff  
on s. face

*Anemone rug*

*Lilium - nervos glabrus*

*Lobelia lept. n. sp.*

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*Lonic. on some slope  
below l. s. cliff*

*Polymnia uvedalei*

*Asclepias quadr*

Down in ravine below  
falls.

*Aspl. ang.*

" *acrost*

*Cyst. frag*

*Hydro. canad*

blueeye

lassarwood

butternut

beech

*Trosteria angust*