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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.

Herald Square



KENTUCKY



2

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I } Lewis Co - 1932
Carter Co - 1932

Memorandum Book

F-211

E. LUCY BRAUN
2702 MAY STREET
CINCINNATI, OHIO

1932

May 7-9 Lewis-Elliott Co
Oct 14-16 Fleming-Carter Co
Apr. 18-20 Daringsville -
L. Sandy
Aug. 4-6. 1931 - Kennecott

Pictures I

- 2 - bird's foot violets
- 3 - pines on b. - K. ridge
- 4 - toward Banceburg
from ridge - ray filled
- 5 - Bird's foot 1/5 on 11
- 6 Piney ridge
- 7 Pine ridge -
y. pine on right, near,
Post oak left
patch forest y. pine
- 8 Saxifraga in meso forest
at Kinn
- 9 Kinn at crossing (grade)
- 10 y from bridge
- 11 y
12. Creek from me of gravel
bars

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Banceburg - Kinn. ridge
May 7, 1932

Viola pedata

bluets

Hypoxis

vac. stem

vac

Gaylussacata

Ascyrum

Polypodium pumila

Oxalis violacea

Stiracium marginatum

Cunila

Pteris

Dasystoma (*Grardina calongata*)

Krugia

Arbutus, *Erythronium*

Aster leucary Lichen
Lys. quadr.
Pteris
Salsdags - erecta?
Lanthonia
little grass - Festuca
Pedicularis
Coreopsis major
Iris perna
Chrysopsis gramin
Smilax bona nox
Aster patens
Liatris scariosa
Andropogon scop & Sorgh
Luzula camp. bulbosa
Gillenia stipulata
Ceanothus
Tephrosia vry

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Scarlet oak
Pines rugged & echinate
Myssa
Chestnut
Quercus maryl
Hickory
Quercus prinus
Dryden
ridge - pine - post oak -
blueberry - blackberry
bird's foot & Iron vein

Pine - tendency to succinate
violets, most abund. p. & s. w
H most slopes esp in
pine needles

Chrysopsis manna
Silene alba *divar*
Euphorbia cor

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Kinniconick, May 7

North slope undercut
on far side of creek,
opp "point"

Beech tulip
Basswood
sugar maple
buckeye
butternut
Magn. tripetala
birch
papaw dogwood
spruce
tall ~~thicket~~
asp ~~many~~
magnolia tripetala
witch hazel

Al. poppy
 Tiarella
 b. palmata
 Trillium erectum
 Aspl. across
 Aspl. filix foem
 Mechania cordata
 Asarum
 Sweet Cicely
 Ran. recurvatus
 Polystichum across
 Geranium
 Valerian
 Sol. latifolia
 Arisaema triph
 Dioscorea
 Clematis very
 Stachys cordata

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Stellaria pulchra
 Allium tric
 Hydr app
 Nuttall
 Viola flanda b. palmata
 " canadensis V. pap.
 rostrata V. small lvs
 Senecio aureus
 Polygonatum bifl
 Menisperm
 Hydrangea
 Aster divari
 Mechania
 Sedum
 Staphylea
 Adiantum
 Actaea alba
 Blue Cohosh Caulo.
 Anemifuge

Erythron
tall Thalictrum
Asp. mary
Dentaria deplylla
Iris cristata
yc. violet eryospe
Utricularia grandis
Spikenard
Sanicula
Bicuculle - squirrel
Arum
Cyst. fragilis
Impatiens pallida
Smilacina
bloodroot
Anemone
pepper & salt
Hepatica

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Silene - fringed - stellate
Collinsonia
Trollius grandif
Disporum
Elderberry
Dentaria lac
may apple
porum ivy
Phegopteris
Sedum
Mitchella on roots &
mossy knots
Osmonda Clayton

Nearer stream
hemlock
rhododendron
alder

Mid of meso. forest
of north slope -

very rich meso.
very steep slope
unusually rich &
varied herb. - ground
covered

On forest slopes near
stream hemlock
there, underground

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less varied not so
dense, but sim.

Rocks scarcely different
but mosses, rank
ferns, trilliums, laurels
viola blanda, etc

Stream at
sweet gum
alder
birch - birch

hemlock also higher
seen from farther back.


creek

May 5

Kinnikinnick at the bridge
above "mouth of Laurel"

Pictures 10 & 11

Beech birch hemlock
brake sugar maple
Syc & Sw. Gum near
stream
Alder hazel

Rhodo or hazel back
of alder det. rest

Royal ferns along stream

Blueberries in rocky rocks
V. cuneata

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Mt Laurel

maple trap
logwood

Stream banks rocky
mass -

Above going up into
type of notes of May 7

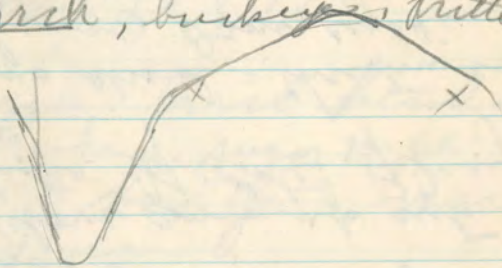
Ferns abundant - Christmas
ferns, Osm. regalis
New York fern

Much moss & lichen

Amelanchier

Deep ravine at "mt"
(location marked on map)

beech, maple
Tissinwood tulip
birch, buckeyes, butternut



x *Azalea nudiflorum*
Juniperus
Leucobryum
Acer
Arbutus
Mitchella

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Ridge - sandstone pieces
scattered as in Adams
Co Berea ridge.

Tross bushes,
scattered hickory
Azalea nudiflora
Arbutus, *Hier. margl*
hlyets, Pot. *pendula*
Beech, red oak, chestnut
oak black oak (acorn)

At x transition near
mountain to oak ridge
trees big

dogwood clear to top
young beech (a few) on ridge
butternut Chestnut
hickory
white oak

Hepatica round +
intergrade
both in gorge & on
slope above
Epipactis

Picture 1. ^{of Park II}
Mixture of meso
of slope

right to left (in picture)
beech
butternut
hickory (for
butternut)
beech, tall

logwood in the

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Amelanchier

Herb. ground cover not
dense not lux

Pict # 2

left to right

sugar maple

beech

chestnut

white oak

beech & white hickory to right
(ridge trans type)

3

Ridge type

white oak (left?)

black oak

chest oak & black oak

#4 pink azalea
(dogwood str)

5 } views from mt
6 }

Hills beyond Pen.

#5

ridge

ridge
in back

#6

ridge
at
note

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Climbing mt

Dal

red maple

hickory, glabra

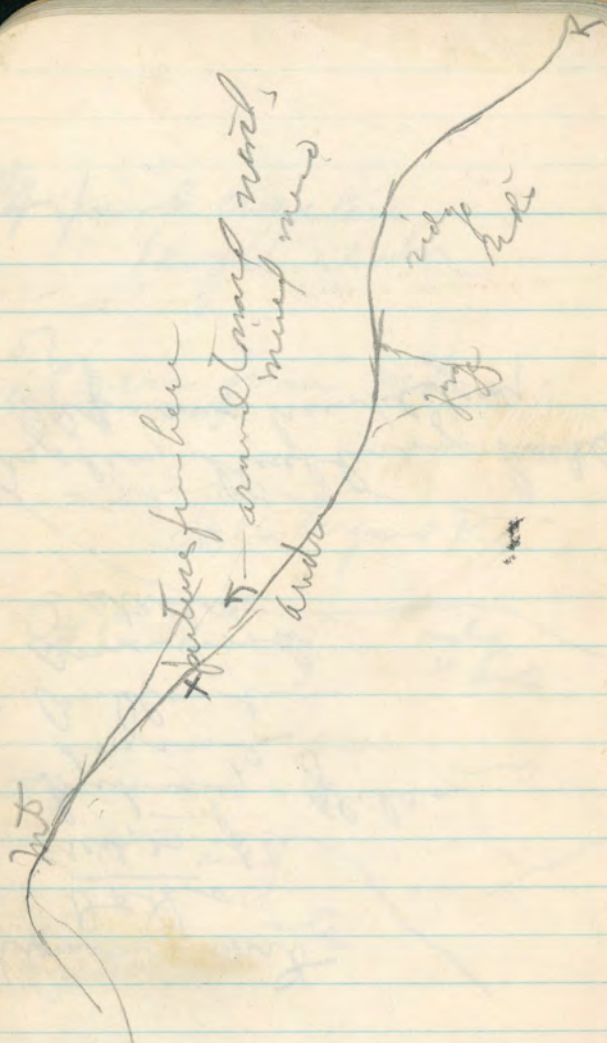
dogwood

Ash

Sourwood

Q. stellata

Azalea, blueberry, huckleberry
Squaw huckleberry



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"Int" summit
Q. prena
Q. coccinea
Darya glabra

mossy mat
 fire pinks + sedum

Phlox reptans
 in woods along grassy fork

Mertensia Flat
(Valley Flat of Grassy fork)
beech, birch, & maple
white oak, red oak, tulip
(at foot of source)
Grassy & -
walnut

Mertensia

Alnus

poplar
elder

Carpinus
ash, hickory

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Oxydendron
dogwood

Juglans
hutchella
Aster dumosus
porcelain
Luzula
Stellaria pubera

Depression in
valley
pin oak
holo-bacca.

Farther on
redbud, both on flats
& on slopes

In places, beech &
tulip to the top

Lots of *Hypericum*

Mixed meso. forest
of valley flat same
tree composition
as mixed meso of
steep slopes of Penna &
as forest of narrow
valley (gorge in dia.)
Herb. undergrowth different

Forest same in quality
of habitat -

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Climax in Lewis County
is a mixed mesophytic
forest in which beech
tulip, sugar maple,
hickory basswood, birch
butternut, walnut are
the usual constituents.

Hemlock enters in some
places, usually low on
slopes, occ. high.

Magnolia tripetala
with hemlock & most
abundant on certain
flats near streams

Occurrence of mixed meso.
not dependent on horizon
but it is related to
topography.

In the big bend of
Kinri - A slash here
along Kinri - two
levels (peneplains?)
Ridges on lower seem to
be partial stratumplains
Dry-foot type essentially
same as high ridges

Log wood everywhere
except on some of the
highest ridge

Sandy Hook
May 9, 1932

Plateau margin
ss. - lichen

Coar. rang + syl.
rocks, Parmelia, Physcia, etc
Polypodium + dicranum etc

Andr.

Pine. bog
bare stone

Pict # 7

Holly
Anemone

vac. tall (spec.)

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Gorge slope forest

tulip hemlock

brick

red maple

Oxyd

Hypox

magn. tree

Rhod

holly

Cornus alt

Ferns - Christmas

Aspl. filifolium

Smilax

Mitchella

Viola blanda

#8 Hemlock - Rhododendron
in trail down
with tulip, big maple
small red maple (left)
fern

Blacks

Greater height
of black
chestnut

#9 Hemlock & tulip
Rhod. - ferns
holly
magn. tree (left)

Aralia spissa

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Arsanon
big creeper

Medula

Impatiens
Arceuthobium
Sambucus
Hydrangea
Clem. very

Riverway #10

Mt ss., laurel &
mosses

Shal. clarata
Viburnum
blueberries
ferns
Yew
Alder } on edge

Slope forest as page before
above - oak

#11 Up river from
singing bridge

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Ascending far (south)
slope

Mt Laurel
Holly
Yew
Dogwood

#12 - ascent of south slope

Chestnut oak
Scarlet oak
Chestnut (mostly dead)

Holly
Mt Laurel

1. of VII

Cliffs -

~~Red~~ scarlet oak
Linnel
holly

less light due
to clouds

to white
undergreen

mysser
(Rhod)

Up near edge of rocks

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Polystichum mat
Linnel
Linnel or holly

Plateau

Chestnut

Scarlet oak

red oak

White oak

Opuntia

Y. pine

Red maple

Myrsine, Acuminata

dogwood

Shallow prairie across
plateau -

There forest trees -

beech, oak, chestnut

holly forms bushes
along stream, red maple.
Little difference in aspect

return to floor
mitchell
Mitchella

Sloping margin above
cliffs marked by
dominance of heaths & ferns
understory

prolance, holly
var. stam. } not much
Gayl. var } lots in place.

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tr. arbutus
mullein
Rhod., not much
in open, Cladonia, Polyp.

#2 - Heath zone in plateau
with lower layer of margin
blueberry
some pine (regard)
Cladonia - moss margin
as first seen

Heath on edge in floor

Wintergreen most com
Heaths thin away from edge
Holly not everywhere

Note on the descent

#3 Oak forest of south
slope

Holly laurel
nutmeg
chestnut
red of scarlet
chestnut

On rocks

Aspl. pennant
mountain

Stem rugelii
Lyc

further in

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Beech is on N.E. slope,
below rocks

~~Slabs of rocks~~

North slope return

Add

bush - spec. - *Stem* ^{prob.}
polytrichum ^{monticola}

big moss

" *Saxifraga*

Epipactis

Cypr. acule

In trib ravines
in gorge,

Rhododendron thickets
in hemlock

of Rhododendron in
side valley
tulip & hemlock
Rocks limestone & moss cover

Aspl across

Great cliffs with vertical
faces rise from a slope
carpeted with fern. Some

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young green ferns are
already 2 feet high
Tulip trees, straight, unbranched
towering above the cliffs,
barrel, with roots wrapping
in close embrace about
the moss & fern clad rocks,
vies with tulip in its
search for light. Below
the deep opening buds
of the umbellifer magnolia,
each topping a crooked
branchlet, lend a strangely
exotic aspect to the scene.
~~Dark level~~ The dark
green of Rhododendron
gleams in the wet and
glistens in the rain

Birch, hemlock, tulip
& some magnolia

#5 just after rain

#6 Wedge rock

#7 From cliff bet "wedge" and trail
(birch tree on right)

#8 From rd above bridge

#9 From point near bridge
toward bridge

#10 (Same place, down)

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~~#10~~

#11 West from Sandy Hook
road, about 7 P.M.

K=18

Oct 14, 1932

#3 First of "knobs" east
of Flemingsburg

(Sugar maple, right)

pine on left to north

#4 Ridge top above C.C.

not on

4, 2-3' B m 16

Left to right: 5 1" on "

large wh oak, wh. oak (dist)

Tulip, beech

6. Beech flat 3" m 22

7 slope below "sand cliff"

basswood, beech, sourwood
& beech; some hemlock off to

Sweet gum in Lewis,
Carter, Rowan co.

Trees farther advanced
near Bluestone
(limestone belt)

Oct 15.

no# big beech + red oak (11/4 ft)

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Oct 14, 1932

Cin - Maysville - Flemingsburg - Morehead - Dussell's

Flats - sweet gum
pin oak, sugar gum
beech,

Panicum claud.

Butternut

thelip on upper flat

Core, no, meso

Low slopes - beech
chestnut red maple
white oak -

2nd growth trees in
east cores + on east
slopes + scattered
on all other slopes
m. m., - west slope

Stop, soon after
 rising out of
 valley
 notes on next
 page

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Oct 14
 Fleming Co.

On h 2 -

Slopes - just after
 leaving valley -

Understory

beech

carp.

white oak

sh. b. oak

basswood

Ash - put

chestnut

beech

nyssa

red & s. maple

lots of dogwood & syc

witchhazel

hazel

Tearella

Iris crist.

Gram

Christma fern

p. w. y.

maiden hair

Pan. hair

Viola rostrata

Eup. white

Phacops

Cimicifuga

Alder along stream
& Aster spren
Eup serot
Panicum clandest
Joe Pye

Farther up - nearer
top of ridge

Some beech goes up
but mostly oak woods
(old 2nd yr

w. tulip

white oak

black oak

scarlet oak

nyssa

Carya micro

Hyd

Colinus

carp

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red maple

Vicia

Christ. fern

rosette (2 spec)

Salidago oval

malaxis = Microstylis unif.

desmodium

Phlox divar

Aster divar.

Eriogonum pulchellum

Monotropa

Oreopsis aur.

Kriger

A good stand with
old logs - no end
of fern

Just over a ridge
+ down a bit +
brook flat

Alder (+ on adj. slopes)

clim. very

Dolid ridges

"

grass. entered on card

cherry (Rubus villosus)

Senecio jacobinae

red maple

Willow (Salix nigra)

Rhus copal

Smilax glabra

Ayer's pine

+ Pinus

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Then a sort of
rolling extensive
valley - with higher
hills beyond.

Then some kind of
shale - much
pine, P. rigida
P. virginiana
oaks

Andr. & Sorghastrum
Cladonia

Then, down to small
valley just before
steep rise (where work
was going on)
herb

herb visible on
slopes in both
directions near

bridge across river
at river, some kind
of cliffs, low near
stream - probably
the Miss. l. s. (+ is?)
which had appeared
elsewhere.

good woods, here.

Asplenium palmatum

Calypponia

Hypoxis

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Oct 15

Carter Caves

(bet. ent. + Nat. Br.)

Big trees

beech

white oak

walnut

tulip

s. maple

hemlock

boxwood

bitternut

red elm

chestnut

red oak

Carpinus

Cucumber

big grape

Understory -

maple
beech
tulip
M. trips
redbud
dogwood
M. acumin
Ostrya
lates cord
Mulberry
red elm

Papaw

Hamamelis
bit. acunif
Slopytiller
Spice bush

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Ground Layer

Herns - Christos
maidenhair
C. bulbif + walk f. w. w. w.
Goldie; Phlegop
Osmunda leaf
Viola rostrata
Mechanica
Aster cord; mac; dir
Hepatica
Smilax herb
Asaru
Iris crust
Wularia
Hern. acunif = D. grandif.
Sedum
Anem. v. v.
Urtica herb
Pilea
Sol. caesia; latif.
Mitella (mostly on rocks)

Stellaria pubera

Elephantopus

Grass

Rubellia

Lycopodium = *Diarrhena*

Phlox

Juncus

Aster

Viola palmata

Collinsonia

Desfontainia

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On top of budge -
(warmer)

white oak

chestnut oak

red cedar (D 2 1/2 ft)

Quercus stellata

Rhus canadensis

Vib. prunif

Hazel

Rosa humilis

bacini var on leaved

like knots

Aster laevis; ^{puberulus} ~~plutagif~~
 " cordif
 Reptandra virginica
 Erig. pulch
 Senecio bor
 Rudb. speciosa
 Sol. nemoralis; speciosa
 Ascyrum
 Desmodium viol., repens, pro
 Howell. inferius
 Gerardia tenuif
 Antenn. plant
 Cassia nictitans
 Sulphur trif
 Lith. caerulea
 Thalictrum perfol
 Lobelia lept.
 Hypo. probif

Salix repens
 Anem. vulg
 "

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Physostegia
 Andropogon furcatus
 " serotinus
 Sorghastrum
 Asclepias vertic
 Panicum virgatum
 Galactia volubilis
 Ononida ^{Cyananthe} pilosa
 Kuhnia eripos
 Stylosanthes biflora
 Zizia cordata
 Isanthes
 Galbata
 Viola sag
 Euph. corollata
 At the steep edge -
 moss & lichen cushions
 beech
 Anem.
 Hesperis
 Dryden

Iris
 Pedic.
 Oulebell

Slope above -

White oak	} with prevailing oak understory & consid vac Ostrya dogwood
red oak	
beech	
tulip	
Chestnut	

Pictures # 4 + 5

biburnum prunif
 redbud | gayl
 Fringetree |
 Azalea |
 vac. oak + dogwood

Gerardia tenuif + laevig
 Ascyrum

Pellaea in rock crevices
 Asple. tutamur

Distinctly the aspect of
 Cedarville Slopes in Cedar Co.

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50
 5 wh. oak IIII IIII IIII IIII IIII IIII
 10 red oak IIII IIII
 5 tulip IIII IIII
 6 beech IIII
 4 chestnut IIII IIII
 S. maple I
 ash I
 ch. oak II
 walnut I
 red elm I
 C. cordif II
 red maple I
 Scarlet oak I

(1)

Under, is same +
 dogwood
 Ostrya
 Ostrya

and upward, same
 vac. (s.s.) Azalea, Cornus
 major etc

Ravine slopes

Beech	#####	31
tulip	####	6
hackberry	#####	14
red oak		4
s. maple	#####	13
red elm		2
ash		1
butternut	#####	10
chestnut		2
sh bark hick		1
walnut		1

(Tulip, 9 ft)

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Flat #6

beech	#####
s. maple	
wh. oak	

After Lunch -
up slope +
around below "sand
cliff"

[Sandstone, 90 ft
L.S. (miss) 90 ft
then, below, cross-bedded log

"Sand Cliff -

Heuchera	Aspl. trich. or par.
Polypod	Evonym
Iris cristata	Rhodod
Aspl. marginale	Sip. lucidula
Mitchelln	
Aspl. pennat	
Silene rotund	

(4)

Creek 8 1/2 W
red oak 11
chestnut 11, 13, 17

Aspen		59
Beech		
Maple		24
Basswood		13
White oak		8
Tulip		18
Red oak		7
Hickory		4
Chestnut		9
Sh. Hickory		2
Myrtle		5
Ash		3
Butternut		4
Walnut		1
Hemlock		1

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Understory, same,
and
Magn. tree
spice bush
Dogwood
papaw
hydrangea
Honeysuckle

and a ground cover of:
Asp. marginata N.Y. fern
Chestnut fern
Maidenhair

Ginger
Lupinus
Epipactis
Aster divar.
Urtica
Cimicifuga
Bloodroot
Saxifrage

woods above cliff (5)

Chestnut		4
red oak		2
beech		7
Tulip		3
white oak		1
birch		1
s maple		2
		<hr/> 20

Lowest slopes, adj to road

- tulip
- hemlock
- beech
- basswood
- sugar maple
- magn. trumpet

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up path from (6)

"narrows" in road
 buckeye 9 ft 9
 great hemlock range
 of large trees

buckeye		3
basswood		6
tulip		5
beech		20
hemlock		11
Ash		38
s. maple		1
birch		

magn. trap
 poplar
Ferns - Asp spirival
Aspl angust

October 16, '32

Where Tygart's Creek crosses
U.S. Co east of Olive
Hill

outcrop of l. s. (with chert
lenses)
veg. resembles shallower
l. s. slopes of Adams Co +
lowest slopes (l. s.) at
Stams -

oaks - 2 muhl + scales
maple bush
red cedar sh & high
Ostrya redbud

with *Rhamnus coccinea*
Rhus canadensis

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Chromolaena
Urt. scaberrima
dwarf hick

Rocks with
Calamagrostis
Pellaea
walking fern

(*Trifolium* - more marked
or else non-calc shale -
Oak - blue - hickory)

opening - *Andropogon*
Rhiz. canescens - *Rud. spec*
Sabia
Ampel. cor

Flat - high stream

Berul white ch
Tendock buckeye
red oak
white oak
carpenter
S. maple
passwood
Tamarack
Liriodendron
spice bush
Poplar

Phlox
Aster multiflorus
Aster divaricatus
Phlox paniculata
Rub. white

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Stream border -
syc.
Betula nigra

Aster oblongifolius in
crevices on high cliff,
among the cedars

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Ork. S. 60

east of Salt Lick -
just east of big bridge
over Licking (near "Midland")
is a piece of forest on
upper flat of valley -

looks like white oak
pin oak
sweet gum -

(not fenced & immediately
adj. to road)

Maysville - Owingsville,
Apr 18, 1935

Blue grass region -

Big trees remaining:

blue ash

bur oak

ch. oak (D. muhl)

elm

hickory

Ky. coffee tree

hackberry

Sh. b. hickory

occ. maple?

On sheltered slopes,
beech-maple mixed

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South of Owingsville,

near Olympia, Bath Co.

Pine belt - starts abruptly

Pinus virg

oaks -

stellata

marilandica

scarlet

white

shingle

dogwood

redbud

vir. prunif.

1 little beech

Gaylussacia + vac. vac.

Hyper. prolif

Crataegus

Smilax

Mayapple
Phlox (ovata?)
Anemone
Houstonia Coerulea
Erythra. albidum
Larkspur
Erig. pulch
Luzula
Antennaria plan
Claytonia virg
Oxalis violacea
Vicia Carol.
Potentilla pumila
Fraseria
Hypoxis
Sarcocarpus aster.
Cunila
Hentaria lacini
Much moss & lichen
Hic. Cirriph. Thuid
Cladonia Leucobus

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Sudith, Menifee Co

Ascent of Carrington Rock

All cleared, nothing to suggest orig.

Summit is Pottsville

here Pinus virg
" rigida

Kalmia, Rhod. on north face
Arbutus

Grass, huckleberry, blueberry
Summit as at Nat. Br.

3 pictures -

#1. East, general view

2. S.E. - Amel. & pine in fore;
rocks of next peak beyond

3. from S. end of summit, S.
Crag & pegged topog. of
Pottsville.

Arcandinaria - betw.
Sudith + Salt Lick

April 19

Ky. Bluestone Co.
(Roman Co)

S.E. facing rocky ravine
bleech

s. maple

basewood

Tulip

dogwood

papaw

speebrush

meso. herb. layer

Aspl. angust

Tr. grand

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Viola rostr

Hentaria hetero

Eryth. amer

Sedum

bloodroot

Stellaria pub

Asarum

Poa (like B.P.)

Claytonia carol

Christmas fern

mayapple

Ammifuge

Geranium

Maidenhair

Aspl. marginale

Tipularia

Luzula (near B)

Plateau on top - 2nd growth

mostly wh. oak

Santhia ^{trioxystata} ascyrum

vac. vac. + Gayl. Oxydend

Some pine + pine refer.

Plenty of beech in shallow
plateau valley
red maple
nyssa
wh. oak

valley flat on plateau with
alder (pist. catkins up)
Gillenia

The usual moss - Clad. banks

Rock lying around looks
like Berea

Aspect at point facing road
much like N + W. bet.
Jaybird + B.P.

Beech on S. slope facing
road + wide valley

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Apr. 19,

Box Canyon - Sandy Hook

Hemlock, beech, tulip,
red maple, holly

Cliffs of Pottsville

Rhod., Mt. laurel

Amelanchier

tr. arbutus, Mitchelln

Pictures:

4 - upper part - holly
+ tulip tree

5 - Looking across
hemlock + Amel.

6 - Across canyon.

Amel., Hemlock

Rhod. on cliffs across

Pitch pine on summit

Woods at Bridge

- #7 Trillium
& valley forest: beech,
hemlock, buckeye,
red maple, Rhodod.

Woods

beech, hemlock, tulip,
birch, red maple

holly, Rhodod

Tr. grand

" *erectum*

Viola blanda

Tiarella

Sq. corn + D. br.

Claytonia carol

Impatiens

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Plant. hetero.

" *diphylla*

Podophyllum

Ferns - *Aspl. acrost.*,

Aspl. marg.; f. f.

- #9 beech, holly & hemlock.
w. understory of Rhod.

- #10. Cliffs - beech, hemlock,
holly, Rhod.

Meehania

Zanthoxyla - abundant
along Little Sandy nr
Sandy Hook

Apr. 20

Whiscolt Inn thru
Olive Hill to
Cascade Cave

Mostly 2nd growth
fair sized white oak

Evidences of M. M.
frequent.

Cascade Caves, Apr. 20
Carter Co.

Sandstone -
round lobed Hepatica
Polypody, etc

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lower, l. s.

Hepatica acut.

Camptosorus

Yew

Smitella etc

Meehania

Kinniconnick

Lewis Co. Ky

Aug 4-6
1931

very meso. area - esp
high alluvial sandy shelves
with Magn. tripetal.
Buckbrush (Vernonia) maple map.

Meso. forest

beech, maple, buckeye
hemlock, magn. trip.
hassard's tulip

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Mechanica cordata -

very abundant on flat
in magn. trip.

High ridges - 1000 ft ch

pitch pine
oak

hickory

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Trees - Transeau's maps:

*Betula nigra**Castanea dentata**Gymnocladus dioica**Liquidambar styraciflua**Magnolia acuminata**Pinus echinata**Pinus pungens**Pinus rigida**Pinus strobus**Pinus virginiana**Quercus marilandica*" *stellata**Taxus canadensis**Tsuga canadensis*

Kinniconick - Driscoll's

May 7 - 10

Cen. 10 354

banca. 453

Harrison's 466

Driscoll's 492

Lr. Driscoll's 566

Civ. 715

361 mi.

Lodging

Mr. Harrison - 1.00

Driscoll House 3.50

Gas - L & R - 7 21 1.47

Georgetown - 3 .63

Kennis - 5 22 1.10

Driscoll's 5 24 1.20

Pt. Pleasant 5 21 1.05

Ferry, Vanceburg .45

Bridge, Maysville .55

6.45

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On Grassy Fork

Just Cross Creek and
just follow pike. So much
traffice goes over you can't
miss it.

"Well, I guess you ladies
would like to see the back
of my neck." &

Alpik I shun at Kinniconick
can tell you about the roads

151
21
15
305
31
3

ask Mr. Driscoll)

Stamper - 1400 acres
virgin forest

around Carter's - 1200 acres
virgin

some kind of a varmint in
a hole

Carter Caves

a path - up three cliffs -
starts from rd where
hemlock along stream
(slender leaning tulip
supported by beech)

Carter Caves

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Path to cliff nat. br. starts
from "narrows" in road.