



Hunt Institute for Botanical Documentation
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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.



NOTE BOOK

Digitized by Hunt Institute for Forest Documentation



No. 94½

36

E. LUCY BRAUN
2702 MAY ST
CINCINNATI, O

Ky. 36

Oct 24. Florence, rt. 42 to Warsaw,
1938
35 to Sparta; to Glencoe, to
Verona, to 42, to Florence -- ¹⁰⁸ mi

Oct 27. Rt 42 to Carrollton; 55, 83 to
25, Gratz, Owenton - Dry Ridge

Apr. 2, 1939. Hazel Branch, near
Danaburg, Lewis Co. 190 mi

Apr. 13 - Carrollton, Carroll Co, &
Milton, Trimble Co. 157.

Apr. 20 Elkhorn Creek, Franklin Co. ^{185 mi}

Apr. 24. Cin. - Stearns; stops near
Burnside

counts all in
cards

Apr. 25. AM - Rain

PM. Bowers Loop,
Pulaski Co.: pine-oak woods
and l.s. slope

April 26. Cumberland River
on Bowers Loop, Pulaski Co
& pt. into Beaver Cr., McCreary Co

Apr. 27. Jellico Creek, Whitley
Co. (on Ky 92) & Holly Hill,
McCreary Co. (on Ky 92)

Apr. 28. Buck Branch of
Jellico Creek; virgin
forest.

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Oct. 24, 1938.

River bank east of Warsaw,
steep & rocky: - Gallatin Co

Baptisia	Spartina (sp.)
Alopecurus	Panicum? (sp.)
Amorpha	Hypericum (sp.)

apios

On south edge of Warsaw, at
a gravel pit -

Ptelea	Celtis (sp.)
Morus alba	Polymnia (sp.) white rays
Acalypha ostry	
Pilea	Eonymus - an escape?
Corydalis	

Acer saccharinum

Ravine on rt. 35 south of
Warsaw, Gallatin Co.

beech	spicebush
Q. muhl.	Celastrus
s. maple	Smilax hisp.
wh. elm	Xanthoxylum
sycamore	p. ivy
redbud	vb. rufid.
red cedar	Menisperm.
Carpinus	Coralberry
Frax. penn.	raspberry
" amer.	Rosa setigera
Prenus serot.	bitis cord.
papaw	
oak (sprm)	

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Eup. urtic.	Adiantum
Aster nove angl.	Asarum can.
" laterif.	Galium conc.
" cordif.	Solidago latif.
Abutilon thes.	
Cryptotaenia	
Saxif. -	
Ruellia strepens	
begonia-like	
Viola papil.	
" striata	
Senecio obor.	
Campoula amer.	
Phlox diar.	
Agrimonia mollis	
Anemone virg.	
Polemonium	

Up on rolling upland
between Warsaw & Sparta.

big tulip tree - 2

walnut

nyssa

white oak

sh. b. beech

b. tip oak

Floodplain - Eagle Creek

near Sparta, Gallatin Co.

wh elm Laportea

Salix nigra Phlox par.

Acer saccharin Aster par.

sycamore Pelea

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box elder Siphium perf.

green ash Polygonum veg.

& slightly Leersia not rice

higher, add Muhlenbergia (sp.)

beech Cryptotaenia

sycamore Canna

bur oak Lycopodium (sp.)

b. t. oak

In cult. field -

Lamium (

Cardamine penn

mollugo

Physalodes

Ky. coffee tree - Gallatin Co.

Sw. white oak - near Verona
in Boone Co

Oct 27

Gallatin Co

mistletoe

ser. gum

persimmon

Carroll Co.

mistletoe

Flats of Ky River

pin oak

ser. oak oak in low places

silver maple, bl. willow near

river

Salix long

ser. milkweed boxelder

bamboo

syc

Gonolobus tenuis whelm

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Lilia hetero

s. maple

red elm

walnut

hackberry

ch. oak

Smilax hisp

wh oak

raspberry

oak -

pin

virg papil

Evon. atrop

Celastrus

Galium conc

Greek valer

Cornus aspen

Hydrangea

Psedera

Smilacina

Cryptolatum

Bottoms with pop, box elder

Spilus dell

Asref (spn)

Saururus

Aster pan

Amph. mor

Merisop

Leersia rot raze

Oct 27

Synopus, like Spartan

Scutellaria lateriflora

Mimulus ^{alatus} long petiole

Pilea

Carya lac.

tulip tree above gulch

s. maple " "

tall Thal. - T. caulophyllodes

Cephalanthus

going toward a beech woods -

Iris

Penstemon

Gum - big heads

Epilobium - brown hairs

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beech woods on flat

(with flood debris left)

up unless

beech

under

tulip

Carya lac.

walnut

Eup. urtic.

surgum

w. cherry

redbud

cephal. in lower parts

papan

Eup. perf.

Chelone

About 10 mi. before get with

rd to Gratz, red cedar starts.

The "cedar belt", with oak

Oct 27

Lunch - Henry Co.

cedar

oaks (acorns), muhl., *oblongata*

redbud *lib. rufid*

coralberry *Sm. husp*

Eup. urtic *D. imbr*

Cornus asp *Anem. virg*

Aster shortii *Prunus ser*

Celastrus *Celtis (sp)*

Carya ovata *Ruellia str*

Rosa setigera Walnut

Croton monan *persim*

Eromy atrop *Tredius fl*

verb., white s. maple

Cedar slope at Grafty -
Owen Co

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Cedar *wh. verberna*

oaks *Aster obl*

H. laevis *Pr. pear*

D. imbr *Croton mon*

Aesc. glabra *Salvia lyr*

D. velut *Cuphaea*

D. (sp. stem) *Tredius fl*

redbud *Lesp. viol*

D. muhl *lib. ruf.*

dogwood *Panicum flex*

s. maple *Senecio sp. + obs*

Desm. rot

Aster shortii

Lith (poley)

Eup. alt.

persimmon *Celastrus*

walnut *Plus glabra*
" *copallina*

Hazel Branch, near
 Vanceburg, Lewis Co.
 April 2, 1939

Lower slope forest is
beech

wh. oak

hickory - ^{ovata} - ^{alba}

bl oak

chestnut

^{nusso}
 Juglans cin

ash

Under -

Smilax glauca

beech

dogwood

oak

ash papaw

hickory ^{ovata} ^{alba}

chest Aesc. oct.

oaks ^{glabra}

Tulip

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Anth. Solit.

Stell. pubera

" ^{Park}
 Anemone

Jillevia

Geranium

Hydrangea

Lipularia

Plant. Cac

Stuzia

Polem, pub.

Plant. Letero

Phlox div

Polytrich

Pan. hisp

Epipsyris

Adiantum

Poa cus

Aplectrum

vicaria

Collinsonia

Pedic. can

Sanguinaria

Cumula

Higher, beech ^{less} ~~drop-out,~~

+ oak, hick., + chest present

with less herb. but more

Cumilla, Jillevia

Q. montana D. coc

apr. 2

Solid latif Obolonia
 Aspl. platyn Hepatica
 Trill. grand (low on slope)
 Aspl. acrost
 Asar. canad
 Hesperia villosa
 Sambucus
 Benzoin
 Cimpholis
 Corylus americana
 Viola rostr
 Aspl. ff
 Erythr. alb.

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Miscellaneous ant. plant

ascyrum Potent. pum
 Rhuscop. Rhus typh
 Pyrus " glabra
 Cassia nut Geran. cord
 Clayt. virg. Lam. 53
 Start up another page
 his crest

Senecio vbor
 D. bor. may
 Sappula bur

Carrollton, Carroll Co.

April 13

Misc

Draba Corydalis fls
Viola sor Maryapple
" strata Stell. pul
Galium aparine
Dent. lac. Blephilestris
Evony drop
Cystop frag
Squirrel corn + D. beeches
Hydr. append
Welfh. tree
Campanula emor
Germ vernum

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wh elm; red elm
Carya coril
Prenusser Tridens
syc Ande vry
Symph Trumpet vine
Blue ash
Smilax hisp
walnut
Acer sacch. nigrum
hackberry
honey locust, locust
redbud
red mulberry
Quercus muhl
Lilia - ?
Ohio buckeye

Apr. 12

River hills below

Carrollton -

Phac. purshii

Trill. sessile

Isopyrum

Delphinium

Card. drugei

Asar. canadense

Polygon. comm.

Urt. lac. Anemone

Polemonium Staphylea

Sp. beauty Polygonum

Trad. pinn. Gal. div

bloodroot

Hydrangea

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Stylophorum

Hepatica

D. breches

Imp. pallida

Ranunc. micr.

Filix

O. buckeye blue ash

red bud

Acer sacch + negun

hackberry

Corydalis

Smilacina

Solid leaf

Viola scab

Chaeroph

April 13

Trimble Co above

Melton

Anemone

Plant. One

Smilacina

Allium tree

Sol. latif

Aquilegia can

Camptocorus

Ribes

Polygonatum pulch

Aster short

red oak

red maple

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Bloodroot *Hepatica*

Thalictrum *mitella*

Senecio *obov* *Staphylea*

Seymouria

gem violet

Sedum

Dyalis *virid*

Dioscorea, *big*

lipur *ref*

Thaspium *aureu*

Jaenidia

Phlox *div.*

Pellaea *glabella*

Houstonia *purp*

Erythraea

Apr 13

Trees -

beech	dogwood
s maple	^{secul} ⁺ ^{trigium} Ostrya
Lilia	blue ash
ash. W	butternut
cherry	red elm
sw buckeye, big	
tulip	

poplar	
Cornus alt.	
spice bush	larkspur
Hammamelis	Viola cor
Hydrangea	Actaea alb
Aralis <u>sp.</u>	Cystopteris
Aralis spin	Woodsia alb
	Cyst. herb

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spr. beauty	
Q. beeches & sp. com	
Hydr. macro & can	
Eup. purp.	Trill. ded.
ginger-acum	Trill. leaf
Trillium sessile	Yordest
peppers salt	Botrych virg
Ran recur	
Jack	Scrop. manul
poppy	Geranium
Cornus pac	
Imp. pallide	
plant. deph	Polypodium
Viola can	Ornithog. ranc
Valerian	Urb. grand
Stellaria pub.	var. sylv
Cardamine	penn

Apr. 13

nr Miltm, Tremble Co.

Forest is m.m., with west slope with much beech; east slope is better m.m., with more basswood + buckeye.

Driving south to Bedford m42 can see much woods, in all of which beech is prominent. Apparently beech prevails on slopes above the resistant Silurian ledge.

at Miltm, lower part Ord.; Sil. outcrop well up on slope. The ravines in Ord.; beech on slopes above the Sil. ledge.

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April 20, 1939

Elkhorn Creek, Franklin Co.

saxifrage

Hebeclera cuc + can

Sanguinaria

Trillium sessile

Anemone

Isopyrum

Arabis nsp.

" lev.

Stellaria pub sylv

Phlox

Plantaria lac & dyp

Corydalis

Phaulon
Hydr. appen.
Claytonia virg
Polymnia can
Cystop. frag & cult.
Sol. latif.
Hydrangea
Hamamelis
Carpinus
Aster Shortii
Asarum can
Senecio obovatus
Twin leaf
Amph. mon
Gardamine Dand

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Impatiens pallida
Thalictrum devinc
Heuchera (hairy)
Sleptoglossa
Sedum
Silene virg
Umbellata grand
Bignonia cuc
Brachychaeta spec
Seymouria
Polygonatum pulb
Pellaea atrop in rocks
Heoscorea quater
Thaspium barb
Vib. purf
Comptosus

Larva cord

Lilia Benzoin

Acer sacch Ulmus spae

Dec. bor. max Osmor. hairy

Carpinus blent. hetero

Ostrya Gum vernu

Juglans cin Geranium max

Juniper

redhd Cornis florida

Frag quad

Trila raf Ojal's violace

Liburn nif

Arisaema Bleph. celest

Ran. recur

|| susp

Sol. caesia Mitella dep

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Anemone var } Columbine
 } Larkspur
Hypoxis pat } Mertensia

Woodsea obtusa

Hepatica acut

Ulmus fulva

Quercus muhl

Aesc. glabra

Aspl. platyne

Campanula amer

Smilacina

Rhus can

Prunus-plur

Trades flex

Trenthia integ

Allium tric

Scroph. marce
Rosa setigera
Euphorbia comm
Viburnum
Evonymus alifolius
walnut
Eriogonum
K. coffee tree
Sedum pulchellum
Draba verna
Cerastium nutans
Menisperm
Viola striata
Podophyllum
Polygonatum comm
raspberry

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Second Stop -

Aster oblong
Viburnum in same
Trollius (ded. spnd)
Ran ~~securinica~~
Elephantopus car
Hydr. macroph

Misc:

Mertensia in Owen Co
(lots of it on flats of Cedar Creek)
Mistletoe - Owen Co.

Mistletoe - Jessamine, Garrard,
Lincoln, Pulaski, Mc Cr.
Crossvine - Garrard
Silene ^{pink} - Jess. + Garrard

April 24.

Mississippian Plateau.

Lunch: - Agave

Chrysophila

Evonym. amer

(at little patch of wd. oak woods
on east side of rd., that is
south of rd. that goes west at
a big gas station)

Chrysopsis marian

Thurstonia caerulea

(above just north of Eubank,

+ " " " Co. line, "

in Lincoln Co.

Cordanum bulbosa - Pulaski

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April 24, 39 Pulaski Co

About 4 miles beyond

Burnside - a little

ranine + slopes of

rd - b.s. *Stemodia amer*

Phlox (pulsa?) *Tupularia*

Sisyr. albidum bluet

Erigeron pulch *Salvia lyr*

Cynogl. virg *Krugia*

Iris cristata *Ran. hesp*

Angelica? spm *Fraxina*

Lilium ^{stms} *Pedicular*

Geranium *Coreopsis* *amer*

Urtica *perfol* *Rhus can*

Silene *virg* *Vib. rufid*

Cimicif *rac* *Amel. can*

Thalictr *divoc* *redbud*

Coming down h. s. hill -

Lith. can

agave

nothocordum

Rhamnus can

Luzea (spn)

Thasp. turkmode

holly

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(April 24) Pulaski Co.

Just out of Burnside

Interville. Cox Bend

little stone rd to church,

then walk to top of hill,

bluff - overlooking Cumb. R.

Rudbeckia - linear

Senecio (platt. ? (spn))

Syrin. alt.

Viola hirsut (spn)

Brachyech sphac.

Philadelphus spm

Rhus can (spn) - pub.

Ulmus alata

Cercis

Vib. rug

Carya ovata	Solid. ulm
red cedar	Aster obl
red oak	Litho vry
Crataegus spp +	
Brunsa sp	Arenaria pat
Thospyrus	Opulaster
Acer sacch	Rhamnus ca
Querc. muhl	Lonicera
Pellaea atrop	Phlox div. blue
Sedum tern	Hepatica acut
Frag quadr	Erythra. - ?
Hyper. ^{spp} [?] aureum	Host. ciliar
Diarrh. celtis	Solid. caesia
Smilax ^{br} ^{rough}	Bygonia ^{canig}
Rhus tox	Clematis brown
Rhus glabra	Anemone vry

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Ptelea	Dodecatheon in
	not place in diff
Hydrangea	Paretaea ^{spp}
Clematis ^{vry}	Hyper. solab
	Dis crist
	Hyppuris
	Dentaria lac
	Evonym. amer
	Pachysandra
	bold rostr
	Aspl. platyn
	Galium vrb

getting around toward north,
 more s. maple. On the whole, forest
 could be termed oak-ash-maple
 (with hickory), with less maple where
 west & more where north.

April 25
 Pulaski Co
 U.S.F.S. rd, 9 mi. n. of
 Mt. Cr. Co.

Prunus oak summits;

D. montana	Acer rubrum
velutina	Opus
" maril	Cornus flor
" alba	
Prunus sp	Chrys alba
" ech	^{III} Prunus brata
	Liriodendron
bac. arb.	Ceanothus
bac. vac.	Gayl bac
" stam	Amel can

Azalea ros.
 " nud.

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Smilax glauca	
Rhus cop	Sorghastrum
Ascyrum hyp.	Lechea rac
Andr. slop	Krugia ampl
bluets	Pedic. can
Chrys. gran + mar	
Polanilla pum	Conr. spub
Thieracium venosum	
Anten. (spm)	Pteris
Graph. helleri?	Hypoxis
Alletres	Aster lin
Viola pedata (both)	Oxalis viol
Senecio Smaller	
Coreopsis major	
Chamaelirion	
Viola hirs.	

Another stop farther along
s. s. cliffs

Kalmia

Rhod. - ?

Epigaea

Viburn. acer

Ant. solitari

Callitriche defl. aestiva

Selaginella apus

Further on - 9 m.

a. l. s. slope -

cedar

Smilax b n
rough

vib. ref.

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Arenaria pat. Pharus car

Bleph. cil. red bud

Trollius viride

Verbesina by Salvia lyrata

Lepidochys penta Agave

Penstemon - ? Hyppis

Nothocord. Jaenidia

Trasen Lithosp. - ?

Troster ang " can

Phlox dim Bign. capr

Aster phlog Anem. virg

Polygon. lat Sisy. alb.

Cyrtog. var Asp. cristat.

Melicca Coreopsis aurea

Thal. - ? Silene virg

Rudbeckia - 5 permat.

pink Phlox from edge base

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- 17 " " " " " 16 or 3.5
 16. White petals at 16 in. sun
 1/50 or 4.5
 15. White petals at 3 1/2 ft.
 14. Orange at 3 1/2 ft. 1/50, 4.5, 178
 13. Another clump, 1/50 or 5.6
 12. Orange nubby at 10 ft.
 1/50, in 8 bright sun

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- # 7 *Trillium sessile*
 4.5 at 4 ft, 1/50 th sun
 slanting sun at 3:30
 in steep east slope
 # 8 On west slope
 Phlox, Thal. + y. drop low
 4.5 at 3 1/2 ft 1/50
 4:30, sunny
 9. Blue phlox at 3 1/2 ft
 4.5 - 1/50.

- (sun, not too bright)
 10 fire pink, 4.5, 1/50, 3 1/2 ft
 11 Y. Cyp. at 3 1/2 ft. 4.5, 1/50
 lazy sun

(on card)

Betula lenta	1
Lilac	2
wh oak	2
walnut	2

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April 26

Bonus Loop - at 4:10-00

Descending east slope

Top with much
beech oak - D. mountain

~~hysso~~ & ~~scarlet~~ (w. black?)

but just a little down,

if Phegins -

tulip ~~###~~ ~~###~~ ~~###~~ ~~###~~ 16

beech ~~###~~ ~~###~~ ~~###~~ ~~###~~ 22

hysso ~~###~~ 5

Carya alba ~~###~~ 4

cucumber ~~###~~ 7

oak, red ~~###~~ 5

Carya ovata ~~###~~ 5

chestnut, 1

(cont. above)

Cornus flor raspt
Prunusser Psidera
redbud Cornusalt

Acer sacch

white ash

japon

Lili glabra

becheye

Cimicif. rac Polypodium

viola palmate Phlox herb

Geranium Adiantum

Anemone Botrych. vray

Sol. caesia Aspl. acrost

Cynogl vray

Smilax lachryata

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Smilacina Orchis spect

Eup. urtica Medeola

Trellium sp. v. L. Lycopodium

Podophyllum Liarilla

Dioscorea vil Epifagus

Desfontainia Benjamin

Smilacina Obolaria

Ran. recur Viola blanda com

Dent. hetero (sp) Phlox div

Circaea Erythra

Polyg. lyl Viola can

Aplectrum Hydr. can

Tipularia Junc

Cypr. parv. pub Stell. pul

Trellium erectum, small red

Aristolochia serp Hep. acut

Uvularia perf

Asp. s. cliff has

Sax. virg

Viola blanda

Polyp. virg

Hesperis

Asp. marg

Sedum tern

A cleared bench +

then a descent to a narrow bench - l.s.

Viola can Vit. dentif

Hydroph. can Truell

dent. dipht lac

Cyn. virg Iris crist

blondent Cladrastes

Caulophyllu Anemone

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S. maple III | 3 Tilia 1

beech ~~III~~ ~~III~~ | 10

wh oak 1 | 1

Carya ovata III | 3

Nyssa | 1

Tulip II | 2

cucumber | 1

wh ash II | 2

Trellis grand

" erectu

Cyst. bulb

Viola rostr

Vit. dent. group

Cumb. R. cliffs

Lonicera

Philadelphus

Iris crest

Ostrya redbud

Vib. - dent. group

bit reef

Phlox div

Camptostem & Cyst. bell

Polyg. pub. A. deans

Woolly gr. & perf

Ulmus alata

~~Staphyl~~ Staphyl

S. Maple, red oak, Tilia

hick, beech

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Big trees

Ilex sp. Comopholis amer

Carpinus

Erugyn amer

bacc. cougnt

Pachysandra

Corollorhiza

Aristolochia macr

Corylus amer

misc -

Stemphragma thal

Geranium car

Plantago very

Ran. abortivus

Betula nigra

Ascending
a ss cliff
Ketch pass. reg

Aspl. angust

Smilax fr. (single)

Going out a point toward
Baker Creek in McCree's Co

Gaultheria

Gayl. brachy - very abundant
Life. obscure on n. slope
compl.

Woodsia obt

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Osmunda cinn

Mitchella

Chimaph

April 27 - On Ky 92.

Jellico Creek, Whitley Co.

(west of Williamsburg)

Steep banks of creek -

beech	Magnus
hemlock	" ^{trip} Magnifera
red maple	Corniflor
mulip	Betula nigra
sw gum	Sarpenib
wh ash	Alder
wh. oak	Ostrya
Kalmia	Asar. arif
Eryngamer	Gaultheria
Amel. can	Pyrola
Stewartia	Rhodo
Smdax bon.	Dex. vpa
Vitis rot	Oxyd
	Ulmus glata

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Viola hirsutula	Epigae
little Krigia	metthella
bluets	Horst. purp
Dlex	Ant. solitari
vit acrif	Viola blanda
ascyrum hyp	Polyst.
Polyp. bifl	Senecio Smell
Viola host	Aster div
Anemone ^(spm)	Salvia lyr
Clerod. virg	Sedum tern
Anem. virg	Solid. caesia
Ran. recurv	Chrysop. mar
Viola conspersa	Hebechea, beg
Cicuta mac	Aspl. platygn
Ran. hep ^(spm)	
Hebechea pacer	

Terrace

vac. arb

P. rug & rug

~~Stipes etc etc, not seen~~

Erythra (amer) Slopes

Smilax glauca

Luzula carolin (or salt?) (spm)

Iris cristata

Teucriella Stellaria pul

Hydr arb dent, diph

Premnella biola rostr

Carya glabra, alba

Podophyllum var. corya

Phlox div Lupularia

Bignonia cap Chemaph

Erag. pulch

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Vicia car Qu hor max

Conopholis Krigia

Arust alio

Senecio obr, var

Going higher

Cunila (like *williamsonii* msp) Psedera

bit acerif Silene virg

Halis viol Brachyot. sph

Azalea nudif Y. pine

Potentilla purm Hier. venos

Melica (like spm of 4-25)

Pine groves have refines (small) of dogwood, red maple, red oak, hen bark, Anel

Big trees of slope incl -
beech, s. maple,
wh. oak, *U. alata*,
Q. bor map

Just west of Whittier Coline
(Stolly Hill)
woods in McCreary Co -
beech, red oak, wh. oak
red maple
dogwood, paper

Trillium grand. *Chimaphila*

Phlox div *Anemone*

Cim. rac *Imp. pallida*

Podoph. *Botrych. virg*

Clayt. virg *Oxalis viol*

Clayt. lac. *Cercocarp*

Tipularia *Asarum arif*

Smilacina

Viola pub. (spm)

Viola blue, purple, etc.

Viburn. acer.

April 28

Buck Branch of Jellico
Creek. Whitley Co.

Going up in ravine
I had a slope; @ = R

beech		37
Tulip		4
surgum		5
sh hick		2
ash		2
s maple		5
red oak		
wh oak		15 sp.
butternut		
nyssa		
walnut		
chestnut		

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paper	beech
dogwood	ash
Carpinus	hickory
nyssa	s. maple
Crataegus	red maple
dogwood in bloom	+ plenty
blackeye	Benzoin
Cladrastis	

Further toward head, no flat
much cut, stream falling rapidly
Here beech does not prevail to
extent seen in I: from bench
place - (2)

beech		40
s maple		14
Tulip		
Tilia		
ash		
wh oak		
red oak		
Cladrastis		3
Ulmus alatus		
blackeye		

chestnut

II South Slope - a

White oak		14
beech		24
Tulip		8
Lick.		5
red maple		1
black oak		1
ash		1
Nyssa		3
Glia		1

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beech
 dogwood Amel.
 Nyssa Carpinus
 Oxyd s maple (saxh)
 wh oak ash, Biltmore
 Carya glabra red oak
 red maple poplar
 Chestnut
 In (a), dogwood in bloom
 but not elsewhere on slope
 bac. count
 bac vac
 poor ground layer

II South Slope - b.
 beech nearly drops out -
 wh. oak ~~###~~ ~~###~~ ~~###~~ ~~###~~ 20
 Tulip ~~###~~ ~~###~~ ~~###~~ ~~###~~ 18
 hickory ~~###~~ ~~###~~ 8
 beech ~~###~~ 5
 red oak ~~###~~ 5 ash 1
 Nyssa ~~###~~ 4 Ulmus alata 1
 sh hick ~~###~~ 3 s maple 1
 red maple ~~###~~ 2 bl. oak ~~###~~ 3
 chestnut 1 1 ch oak ~~###~~ 5
 dogwood bac stan
 red maple || corymb
 Carya alba, glabra, ovata
 Dryd beech ^{ash} Smilax rot.
 Nyssa, s. maple, paper
 Q. montana, velutina, ^{borinquan} red
 Q. alba

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Louse
 whole slope stream with big
 pieces of ss. - ground
 veg. very sparse
 humus somewhat deep
 c. - becomes steeper; more
 rocky - low cliffs
 Ch oak ~~###~~ ~~###~~ ~~###~~ This steep slope
 bl. oak ~~###~~ leads up to a
 Nyssa ~~###~~ narrow bench
 Tulip ~~###~~ with tulip
 wh oak ~~###~~ wh. oak ~~###~~
 hick ~~###~~ coccinif
 Nyssa, wh. oak, hick. ~~###~~ louse
 beech, s. maple, red maple, Dryd
 Smilax bn, glauca dogwood
 red Azalea Cereis, Ascyrum
 A series of poor steep, + narrow bench

Just under summit cliffs
 big tulip & red oak & ch oak
 up to a narrow crest
 with ch. oak, hick, black
 M. M. on other slope - w.
 s. maple, buckeye, cove,
 red oak, sh. h. hick
 basswood

(on top, myosotis like Pulaski
 Co) Clayt. vine.

Ridge cont. - vac. Stam (pub.)
 vac vac, Pyrus any
 Gayl., Amel, Oxyd,
 red maple

Descent: -

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d. upper slope, chestnut oak
 area (higher, because
 ridge crest rose

ch. oak	#####	30
Chestnut (1)		2
Nyssa (1)		1

vac. vac, vac. corymb, arbor.
 Oxyd, Nyssa, ch. oak, red maple,
 Festuca octo., little Kuzin
 red Azalea, ^{Cornus} ^{fragor} Amel, blueets, Pot. pum
 A very fine ch. oak area of large
 trees

III Northerly slopes -

a. Lower slopes

beech	###	###	###		18
s maple	###	###			13
butternut	/				1
red oak					2
tulip					4
Lilia					3
Chestnut					3
(incl. stumps)					
sh b hick	/				1
buckeye	/				1
elm	/				1

S. maple Carp. Benzoin
 beech buckeye japon
 dogwood Corya cord

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(B. et)

b. Less beech

s maple	###	###	###		15
tulip	/	1	red oak	###	5
buckeye	###	5	Lilia		3
hickory		4	ash	/	1
chestnut	/	1			
beech	###				8
sh b hick	###	5			
wh oak	/	1			

beech & dogwood
 s maple japon
 Lilia, not glabra red oak
 Cornus ash
 Cladrastis
 Corya alba, cord

C. Beech seems to drop out

s. maple		14
buckeye		8
hick		2
walnut		3
Lilia		8
sh. hick		3
beech		4
ch. oak		1
chestnut		1
cucumber		1
s. maple		
ash		
sh. hick		
		papan
		dogwood
		Psidium
		Cladrastis
		P. my
		redbud

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~~the knot was~~
 near top of I Knot tulip
 ch oak |||||
 red maple | chestnut |||||
 & poor ground layer like other
 slope; lots of little maple
 Ch. oak forest quite
 sim. to other side
 Oxyd Stuech.
 ch oak Sedu.
 s. maple Anemone
 red maple dogwood

(As S slope swings around to SE
 more tulip)
 As slope swings around toward
 W - & ch. oak upper slope
 extends lower

going up

Coming down & on high trail

red oak		1
beech		4
ch. oak		1
s maple		26
beech		3
Chestnut		6
walnut		2
Ash		3
Cladostes		3
Lilia		9
sh b beech		1
buckeye		8
cucumber		4

dogwood	Hepatica
Club	Trill. ^{small} _{of m}
s maple	coltsfoot
Carya ovata	Cladostes
Ash	Cornus
	Pseudea
	Eugenia

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A colony of the Trill. ^{small} _{of m} on top of a rock, Jack walking ferns *Saxifraga* The large *Saxifraga* amount of veg. on the rock would indicate that grazing in past had eliminated much

Eup. ^{urt}	Podoph.
Cauloph.	Phlox
Dent. ^{hetero}	Cornus
Eryth.	Trill. ^{grand}
Aren. ^{rod}	Phlegm.
	Adiantum

coming down trail (R3)
Getting much more beautiful
& more aspect

s. maple		5
Lilac		3
beech		10
hackberry		5
red oak		2
cucumber	/	1
sh. b. hick		3
chestnut	/	1
hick	/	1
Cladrastis		tulip 1
ash		
S. maple		dogwood
beech		poplar

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Carpenter	ash
-----------	-----

herbs as in last

Dent. hetero? (spn)

" lac

Trill grand

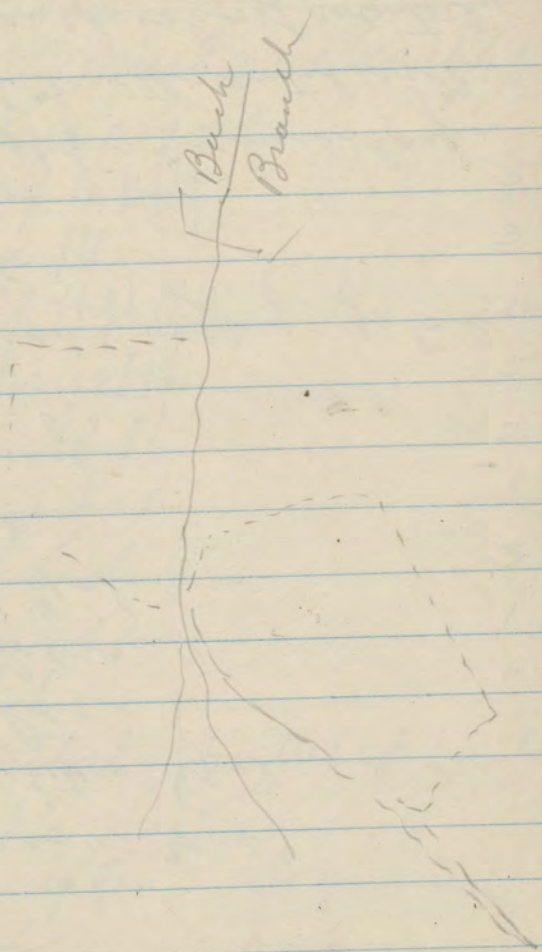
" decl?

Jack

Cornif

To Head of valley - go back
to I. b.

North slope humus layer
good mud until will
up in ch. oaks of westerly
exposure



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Buck Branch flows
 about east so opposing
 slopes give excellent
 demonstration of the
 Southern - Beech-oh. oak-hick
 & northerly M.M.
 & hard flows more north

Further downstream
 below last house -
 a fringe of hemlock
 at bottom of n. slope
 on cliff at foot of slope
 On s. slope an oak pine
 park on a cliff

Tulip repr. on
north slope

I
 Ran. hisp.
 Blue cohosh
 Iris crist.
 hyssago stem
 Eupatorium
 yucca fern
 snake root
 Ran. recurv.
 Lobelia
 Oxalis
 Sedum
 Dent. hetero
 may apple
 wild forgetment
 Scilla
 dog's tooth
 Asp. n. b
 adiantum
 Scilla
 Dent. lacin.
 Jack
 Sepalia
 ginseng
 Touchme not
 Asp. acrost
 Pepp + salt
 V. scab.
 Clay carb

II South slope. (a)
(Peach)

Bluet
Xmas fern
Hieracium ven.
Stellaria pubera
Asp. n-b.
ant. plantag
V. hirsuta
Vicia

Eupat.
Phlox divar.
Trillium vorki
hexagoneptera
maiden hair
ocalis

Digitaria

Azalea sp.?
Geranium
Sax. crest
Sol. cerasia
Ran. hisp
Medeola
wild forget me not
Saxifragaceae
may apple
anemone

II South slope (b)

- Vicia
- Orchids
- Yucca fern
- Cornilla
- Patyracanth (on rock)
- Ampelopsis
- Eupat.
- ~~Fern~~
- Urtica perfoliata
- Saxifraga
- Pot. canadense
- Oxalis
- Coniopsis major
- Lupinus spp.
- Derris rotundifolia
- Hieracium ven.

- anemone
- geranium
- geranium
- Heuchera
- Thalictrum
- S. maculosa
- R. v. v.

South slope (c)

Zinnia

Ascyrum

Abutilon

P. my
cinnab.

Oxalis

Helictis

Polypod. poly
ant. plant

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Vicia

Poa cusps

I b. (goes back to this)

Botrychium virg

Card. parvi

South slope (d.)

Bluet
Cirsium major

Linnaea

Ant. plant.

Festuca oct

Pot. pum

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Ridge crest - top of S slope

Myosotis like Pulaski Co

Claytonia virg

III - a

(N1)

asp. august.

Pepper & Salt

Day tooth - b

Trifida

Sedum

anemone - b

asp. acrost

Phlox divar

Diplopia long

Trillium retum ?

anemone anisifolia

snake root . b

~~Crataegus~~ Panax trif

may apple

ginseng fern

Phytophthora - b

Dent. lac

Chimaphila

Pan. recurv.

Dent. hetero

Blue chosh

nettle

Rotun. virg

Clay. caro. b

adiantum b

Jack

Dioscorea b

bloodroot b

Stellaria media

Colego. biflor

Blue violet

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III - 6. (N²)
(on
other
side
marked W)

Clay. 2400

Trillium erectum?

Conoph. amer.

Dent. diphylla

*Trillium (petiole
viride)*

Eupat.

III - c

(N3)

Snake root -
Cimicif. rac. cord
Dog tooth
Jakes
Went. helms
Eupat.
Anemone
Clay carb.
Putty root
Trillium viride
Blood root
Sedum
P. ivy
Mudra amer.
gingeng