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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 $\frac{1}{2}$

35

E. LUCY BRAUN

2702 MAY ST

CINCINNATI, Ohio

My 35

Sept. 7, ¹⁹³⁸ Boone Co. pond off Aurora

" 26. (Norton ba. - Hazsi -
Breaks of Sandy) - Millard,
Pike Co - Prestonburg

Sept 27. Prestonburg - Salyersville
- West Liberty - Hazel Green -
Campton - Pine Ridge -
across N. F. (Sky Bridge) to 40.
at Mariba - Mt Sterling

Sept 28. Mt Sterling - Paris -
Cincinnati

(over)

Oct. 5. Cincinnati - Flemingsburg - 111 to
 Hillsboro to Licking - the dirt road
 to Farmers - Salt Creek -
 Frenchburg - Jeffersonville - ^{mt} Sterling
 Oct 6. - Frenchburg - Red River
 Oct 7. ^{mt} Sterling - Frenchburg
 forest rd - Pine Ridge - Beattyville
 - Glen Eden
 Oct 8. Glen Eden
 " 9. " " - Beattyville -
 Borneville - " -
 Irvine - Winch. - Lex.

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Boone Co., off. Aurora
 pond Sept 7.

Nymphaea

Elodea

Spirodela polyz

demna minor

Potamogeton

Rotala ~~harmosa~~

Sudrurgia palustris

Utricularia

Cyperus (dramis)

Hyssopus

Sagittaria latif

Eclipta

Sparganium

White ash
syc
tulip

Cenchrus

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Sept. 26.

Pike Co, miscellaneous list

Holly	J. hetero.
Persea	D. maple
Urtica latifolia	wh oak
Betula nigra	wh. elm
Solidago nemoralis	syc.
Pinus virg.	vir. acer
cedar	nysa
sw. gum	paper
Oxydendrum	Polygon. ^{unclear}
Meg. tripetala	tulip
Brachyactis	box elder
red bud	rose,
Sol. altissima	beech
	poison w/
	black willow

horseweed
 Eupr. vert.
 Verb. p. andeal
 Lobelia siph
 Cassia nit
 Imp. pallida
 red elm

Cliffs: -
 Asp. marginale
~~Hydrangea~~
 Pilea
 raspberry
 Phacelia lyp
 Polymnaca car
 Erubitate
 Aster fren
 Columbine

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Ravine: -
 + slope
 Polystichum
 Adiantum
 Cyst. frag.
 Sapif. vng
 Laportea
 Amph. mm
 Sedum tern
 Sol. caesia
 Imp. pall.
 Aster cord
 Sol. latif
 Went. diph
 Repl. flaly
 Paeder
 Phryma
 Arisaemati

on Ky 4. Millard
 Cunicifuga
 Alsecula rot
 dogwood
 beech
 Tilia heter
 poison ivy
 papaw
 Hydrangea
 redbud
 Acer sacch
 " " nigra
 Frag amel
 wh. elm
 red elm
 tulip
 beech
 boxelder

Asplang	Tricella
Aspl. atros.	Clam, veng
	spice bush
butternut	Laportea
Evon. atrop	Mimusperme
Ostrya	Stell. puber
hemlock	Staphyllea
Polyp, veng	Vib. acerif
Polym. can	Pilea
Senecio vbro	Boehmeria
Botrychobl	cross vine
Eup. jicpye	Astelbe
Sambucus	bloodroot
Araliaceae	green vobes
Eup. sessil.	Passarum can

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Iris erect	hemlock
Brachyacha	chestnut
Resm. not nisi	Rhodod
" "	" "
Panas quing	red milk
Aster chlor	Magnacum
Chenopila	sh. f. pink
Agr. molles	red oak
Arul. perf	Carya alba
Erony amer	Carya globa
Cynog. veng	Hamamelis
Solid. (y. f. spm)	Smilax rot
Anemone	Eup. urtee
icola palon	Steir. quas
Helianthus	mir. pokemed
Monotropa	Aruncus
Disporum lan	Epifagus
mitella	decoren

Arist. serp Oxyd
 Hep. acut.
 Cornus alt.
 Ceanothus
 Vicia Car
 Smilacina
 Aster laterif

Floyd Co. misc.

Uniola latifolia Cercis
 Brodiaea Sycamore
 Columbine beech
 wh. oak
 tulip
 dogwood

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Sept. 27.

Floyd Co.

Oxydendron	Oye
dogwood	blk yellow
locust	silver maple
Vac. vac.	blackeye
beech	wh elm
wh. oak	Sol. altissima
Verb. nudum	Papan
locust	P. rigidus
Eup. purt.	walnut
Q. montana	sw. gum
red bud	P. perotina
red maple	Rhus copal
Eup. coll.	P. virg.
Tulip	A. maple

Perseimon
 aster uni.
 Graph. poly

Johnson Co.

wh. elm	oaks
bet willow	P. virg.
myc.	A maple
silver maple	P. rigida
Q. coccinea	walnut
wh oak	red bud
beech	Eup. Coel
dogwood	Graph. poly
tulip	Verb. nud.

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Sol. altiss	Betula nigra
Sobolia rufph.	May tripitata
Perseimon	Cornus major
elderberry	Onoclea virgin.
boxelder	Rhus copallina
Q. digitata	Bet oak
Aster pranan.	Rhus glabra
Joe. Pye - swamp	red cedar
hackberry	red maple
cross vine	Andro. scop
Brachychaeta	Oxydemon
sw. gum	Cichta marale
Pin oak	
P. serotina	
Eupat. perstrum	

Magoffin Co
misc. list

Aster pinnatifidus	Rhus copallina
Lobelia sylvatica	P. echinata
wh. oak	P. rigida
s. maple	mulberry
beech	tulip
walnut	persimmon
red oak	Rhus glabra
red bud	androp. virginica
nyssa	Sol. altissimus
blk. mulberry	Tridens. flava
eye.	cattail
Graph. poly	
dogwood	

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Savannah: at Salysville

Sagittaria latifolia	Aralyph. ^{my}
Rice cut	Imp. ^{by}
Juncus eff	Cephalanthus
Alisma	Scrip. cyp
Cicuta ma	Eq. arvensis
Boehmeria	Rypha lat
Jeffermunt	Panicum ^{sp} sp?
Acorus cal	
Panicum claud	
wh. Polyg. ^{sp}	
Monarda	
Bidens cern-	
Ludr. pal.	

Maryoffin Co.

Misc. list, cont.

hemlock
cross vine
Betula nigra
Oxydendron
Madia tripetala
blk oak,
Eup. serotna
P. virginianus
Tilia hetero

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just N. of Salysville -
M.M. slopes facing south,
much better

Morgan Co.

beech	Verb. "rud."
sec.	Sol. allivasi
blk willow	Betula nigra
walnut	Tilia hetero
dogwood	wh. oak
perunnon	Eup. serot.
sh. b. sick	red oak
red bud	virg. Creeper
silver maple	Ceanoth. virg.

Sept 27

Good MM in Morgan
Co. p. - e. c. with
much beech

Morgan Co. cont.

Pinus strobus
Alder
sw. gum
P. rigida
Buckeye
Coreopsis major
Eup. coelestem
Hazel
~~red maple~~

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Wolfe Co.

red maple	Pinus strobus
wh. red	P. " rigida
Betula nigra	Q.
silver maple	Pteris
syc	red lobelia
hick	
sh. b. hick	
wh. pine	
walnut	
beech	
Aralia spinescens	
Smilax glabra	
persimmon	
holly	

Sept 27

Indications on a N
slope ^{th. of} Hazel gum
are wh. oak - tulip
some wh. pine

On 15 at jet 191 - a
north slope is

Just above
sandstone

beech
hemlock
wh pine
oaks
tulip
red maple
mussa
red oak

most of
slopes do not
have hemlock

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wh. oak
walnut

no Caespton on 15
a white oak - tulip - chest,

a great deal of wh pine
resid; some wh. scarlet
oak

Sky Bridge, Wefelo
Sept 29

Oak - pine summits

Q. prinus *P. ech*

Q. small. *P. vory*

cocc. *P. rigidus*

Myssa

Chestnut

Small -

Myssa

Holly

Amel

Oxyd

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Sorghastrum ✓ *Andr. scop* ✓

Andr. fure ✓ *Leptocoma*

Andr. fure ✓ *Trisbema*

Chrys. grami ✓ *Epigaea* ✓

Sol. odor ✓ *Gaultheria* ✓

Vac vac ✓ *Vac corymb*

Kalmia ✓ *Lyc. obsc*

Asmanus

Sal. erecta ✓

Vib. lent. v. r. s. ✓

Gayluss ✓

Osteo pur

Pteris ✓

✓ (also Menisperm)

On bridge - wh pine on north
face with crown above top
Clethra also + Rhod

MM slopes below cliff
in all directions -

as seen from top: -

Beech
hemlock
wh pine
Tulip

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Aspl. mont. on n. face
add. to pine thp -
about 1/2 mi from bridge

Aster und
Cissia net

Lespedeza repens
Corydalis major
Chrysos. marian
Aster lin

Angelica villosa

Pyrularia

Ranunculus
Lobelia (pulchella (sp. n.))

On slopes going down
 Magn. macrost. trip
 Aster dis-
 climbing fern
 Mitchell
 Viola blanda
 Asp. spini
 Hesperonia
 Magn. acum. M.M.
 beech - hemlock - trees
 Tulip - Tilia hetero
 birch - bitterroot
 red maple - buckeye
 chestnut

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Hydrangea
 Eup. urt
 Prenanthes - 2 spp. (sp.)
 Bleets Polystichum
 Sol. caesia bit. acerif
 Asp. marg. Eup. fox
 Polyp. ^{pedunc.} vulg. - fern pair
 krumm. J. rug
 Populus - Orchis spect
 Rhod. - Tarelli
 Callispermum can. Adiantum
 Chint. (blue) limb. Viola blanda
 Dem. cinn. holly
 medeola Botry. vine
 Clethra Jack
 Evony. amer. Cornus
 oak

Pilea ✓
Hepatica obtusa
Hesperidium lan
Benzoin ✓
Geranium mac ✓
Asarum can ✓

down in Red R. valley;
(after crossing road)
fine M/M - with
much beech in
valley flat, & buckeye
s.w., hemlock, ash
a small hickory, sh b hick,
A s.w. slope R ^{red} maple

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etc, beautiful M/M
with beech, hemlock,
tulip, s.w., nypsa,
birch, Tilia
going up to hemlock
mixing with oak & pine

green violet
Aspl. ang Ran. recur
Aspl. acrost crocormi
Lafortea Iris crist
Zol. latif
Hep. acut.
Hydr. can
papaw
Sedum tern

R. rostratus

Thal. clavatum

Wench pass Aug

A. leptopterus hex

Iris crestatata

On broader parts of plateau
coming out to rd 40 - 2 groves
of very large white oak
indicate former importance
of white oak in summit
forests. With white oak,
a few black oaks & tulip.

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A rd. went south from
40 at Jeffersonville across
the flat & toward foothills.
In valley of Slate Creek in
Montgomery Co. - *Betula*
nigra in flat with pin
oak & spr. gum.

Good *M. M.* in 2 places
to south of rd. across
valley of Slate Creek - i. e.
in "Highland Rim" part.
On one of these slopes, hemlock
with beech & other sp. - s. m.
tulip

Sept 28

Montgomery Co.

Sol. alba	mulberry
hackberry	Vitis cordifolia
walnut	blk willow
Q. umbratica	oak
wh. elm	Verb. alternifolia
honey locust	Pick
blue ash	little wh. morning glory
wh. ash	Poison ivy
P. protina	Hel. - arti
Q. schneckeri ?	Pawpaw
s. maple	dogbane
Q. muhlenbergii	rice cut grass
sh. b. hick	elderberry

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Tridens flavus	Polygonum
clubmoss (green)	(like X-27)
backhoat	Amphicarpa
hop hornbeam	Kick. cordifolia (sp.)
Guaph. poly	Span. nudicaulis
Ky. coffee	Diplopia biflora
Euphorbia	Wh. oak
Aster sp.	

Douglas Co

wh ash	Verb. alternifolia
sh. b. hick	wh. elm
Q. muhlenbergii	blk willow
walnut	hop elder
mulberry	Asclep. incarnata
Poison ivy	honey locust
Ving. creeper	Bidens laevis
Chem. ving.	Celastrus

Tilia (spum)
Menispermum
P. serotina
Anthriscus?
Evom. atro
 blackberry
 blue ash
 burr oak
 raspberry
 Syc
 rice cut grass
Quercus? (spum)
 wh. oak
 burr oak
 S maple
 Pampas

Vitis cordi
 red bud
 Hel. - artichoke
Sol. altissi
 silver maple
 Hick Cordi
Tridens
Aster eric.
 cattail
Gonolobus laevis
Asclepias ostryae
 (spum) fuchsia
 Ky. coffee
 Red. tuloba
Helenium autumnum

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Helopsis (spum)
 elderberry

Harrison Co.

Helenium
Bilva laevis
Dianthus
 Hel. - (arti)
 burr oak
 walnut
 blackberry
 syc.
 box willow
 wh. ash
 Q. ?
Tridens
 Prison Ivy

Elaeagnus
Vitis cordi
 Ky. coffee
Sol. altissi
Helopsis
 honey locust
 blue ash
 Q. muhl.
 b. maple
Gonolobus laevis
 pampas
 box elder
 silver maple

Polygonum (our clump)	Symphor.
Verb. alternif.	Verbena
P. serotina	Tulip in
Spanish needles	each, facing
wh. elm	harrow slope
Virg. Creeper	wh. oak
Aster oblongi.	perennials
(sp. m.)	saxifrage
mulberry	red bud
elderberry	Rhus glabra
Johnson grass	Aster cordi
sh. b. hick	Red oak
red cedar	(got com.)
Aster novae-ang	Eup. vert.
Eron. atro	

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Perdleton Co

A. maple	Eup. vert.
sh. b. hick	honey locust
wh. oak	poison ivy
walnut	Aster cordi
black locust	cherry
Carya cordi	perennials
wh. oak	bleech
red oak	red bud
haze	Smilax glauca
poax	Q. imbricaria
Rhus glabra	Clartus
Aster sp. very	Symphora
Gonolobus	box elder
Verb. alternif.	wh. elm
Hil. - (arti)	Red. triloba

Q. michx.	Sol. alvisei
Tulip	Tulip
P. serotina	Scroph. trifol
Eup. perfol	
Nyssa	
red maple	
Dianthus	
Q. ?	
panpan	
Aster novae	
mulberry	

Campbell Co.

Aster novae-ang
 Sol. nemoralis
 Styrac. peltif

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Oct. 5

did not see Aster novae Angliae in
Fleming Co } Mason or
 in Fleming

Aster phlog.

Rowan Co.

Eup. serotina
 Bidens trichosperma

Coming down onto
 Licking R flat

Syr. gum	Sol. gram.
river birch	Bidens trich
bl. melon	Eup. sero
Rosa palustr	Scroph
Viola latif	Viola sp
seed box	Mimulus sessil

Agromonytes

Aster um? (spn)

purple Gerardia tall

in Moore's Ferry
Rowan Co. W. of school

Swamp - at ft. of slope.

Aster pur *Spiranthes* (spn)

Pan. stip *Rice cut gr*

Polyg sag

Eup. pur *fruc*

Helen. nudif

catant

Ceph

Amph. pitcher (spn)

Eup perf

Aspl. mac

Rosa set. + Pal.

Viola cuc *sedn*

Gerardia spm *Boehmeria*

Juncus eff

Imp. biflora

Apoc

Juncus

fine much branched *Panicum* like *Pang.*

Low shale hills facing

Licking R. valley, SW + W

slopes in Slide Pt. school

Scattered large beech trees

+ some small, with *Pinus*

virg. reproduction. i.e.,

the low shale hills covered

with pine were prob. beech,

for beech of all the meso. trees

can grow in poor soil

Bath Co -

swamp on Lick R flats
Nymphaea Onoclea
Ceph.

Flats of Salt Lick

s of Salt Lick

sw. gum, pin oak,
sw. wh. oak

D. dig. on low slopes in
valley

beech, wh. oak - - -

D. stellata

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D. of 409 s. of French
burg, Menifee Co.

Gypsis rigida

Scirpus cy

Eup. purp swamp

Polyg. sag.

Amphicarp patch

Phlox mac

seed box

Aster umb

Agr. par

Misc. Menifee Co

Coreopsis tripteris Lichen rare

Aster undulatus Ascyrum

Sol. nemoralis

Diodes teres Eup. coelestinum

Aristida gracilis Herb, tall blue

D. stellata

Menifee & Montgomery Co

flats -

low area: sur. juniper oak
sometimes w. birch, red maple,
less wet & slightly rolling

D. dig. , D. stellata

D. alba

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Misc. Montgomery Co

P. virginiana Andr. virginiana

D. alba Tredeus

persimmon Smilax glauca

dogwood Dryopteris 2 spp

Rhus glabra Nuttallia

p. virginiana

red maple

D. imbricata

papaver

Rhus copallina

Crossing flat in
Montg. Co. just east of
Jeffersville

Betula tree

Sol. asp-ray (spn)

Gerardia (like spn)

Spiranthes-like spn

Andr. viny Eup. mac

Sol. gran. Anst. purp

Spiraea tom Polyz sag

Sarothra gen

Rhexia (spn) mar + viny

Heodenters Hyper. (spn)

Cephalanthus Rudr. scul

Panicum step Imp. hyl

Cassia cham

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Trees	alder
Q. imbr	x. bichatt edge
sw gum	Q digit
pin oak	Q bicolor
wh oak	
cherry	

Montgomery Co

Nyssa

S. maple

beech

Sagitt. latifolia

Heliopsis

Hibiscus (spn) Jeffersville

Pictures: — Oct 7

1. In Red R. valley
tops of beech + tall
trees of wooded valley
slopes; cliffs, + pine summits
2. An isolated pinnacle
with flat-topped wind-blown
pines on summits
3. ^{West} Slopes w. M.M. incl. hemlock
+ wh. pine, ^{+ oak} large beech
left fore. cliffs w. pine
4. The Spring
5. The slope we studied on
Oct 6, from the Spring
beech, left fore

(See next page over)

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8 - view N.E. from ~~Sept 27~~
Sky bridge Y. pine
in fore - pine summits
M.M. hemlock cliffs

9. Across Red R. to NW
from Sky Bridge
White pine frame (on
N side of bridge - pine
barren knob +
M.M. slopes.

10 same as 9, but from
under bridge

11. Sky Bridge

12 Cliffs tower above Red R.

Pictures, see also
Oct 7. cont. - last page.

6. back along rd toward
Spring vista in meso. zone,
beech on right, hemlock left
cliffs to west of core studied
7. Dr Wolfe Co, from
rd as it ascends below
Sky Bridge - looking east
Slopes with MY + hemlock
+ m left, 2ndary pine
Cliffs above + pine oak ^{summit}
8. Sky Bridge from below
from south side
9. Down Middle Fork Ky R from
mouth of Glen Eden
10. rocks in Glen Eden gorge
11. in Glen Eden gorge (2-X)

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Oct. 6. 1908 Montz Co

Just east of Jeffersonville
on flat: a woodland
pasture with pin oak,
sw. wh. oak, Nyssa, Tulip.

A less flat part of the
"flats" - wh. oak, bl. oak,
sh. b. hick, sw wh oak
+ a little farther on (in Menifee Co)

2. dig.

Menifee Co

A cattail swamp with
Alisma, Juncus effusus
Scirp. cyp, Scirpus sp
Alder, Rice Cut gr

Oct 6

Nic Spring in Aunt
Nat. Forest Menifee Co.

① Lower, l. s. slopes
above rd.

beech wh. oak

hemlock basswood

tulip

oak

A maple

under

tulip
beech

Cornus alt s.m. red maple

" flor. ^{yellow} magnolia

wh. oak wh. oak

Cross vine Magnolia

holly Carya cord. alba

fringe tree hickory red oak

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Lupinus ^{Hepatica} Polypodium

Cimicifuga ^{Adiantum}

Rapanea ^{Phegopt}

Sol. caesia ^{Iris crist} & latif., caesia

Aster div., latif., cordif.

Eup. urticae Hydrangea

Erva. amer. Calluna

Desm. nudiflora ^{Asp. mary}

" paniculata ^{biolapalm}

Epig. ^{Geranium}

sp. bush Sabia lyr

Disp. ^{Seneio obov}

brodiaea? Passiflora

Pedicularis Sedum

Arist. ^{Erig. pulch}

Amph. mon Brachyotris

Elph. car Hazelnut

Aralis spin (as talus)

Asp. n. b.

Chimaph

Ⓢ Higher, the l. s. flora
fails.

more Aster for.

Asp. n. t

Corallorhiza (24 m)

Mitchell

Tipularia

Campanula n. s. + ls.

Clethra

Cypr. acaule

Rhod, Kalmia Clintonia

Aspl ff

Maderia

Oxyd

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Ⓢ Talus at top of high cliffs
much Rhod

Oxyd, Nyssa, tulip, hembel
brick, Magn macro, Chytun,
D. mont

Epigaea, Goutthier

Mitchella

Kalmia

Cunila

Eup. rot

Viola latif

Verb. acerif

Aster und

Urol. perf

Vicia adust

Ⓢ Cliffs:

Haut. par pur Leggoe

Crossine

Labellia (like spm Sept 27)

Osm. cum

on s.s. blocks
Hemlock (spn)
Polypody
Aspl. platyne

Asp. spm

^{or, cont}
Lower l. s. slope again
add

Lambton Jack
beg. Hemlock Wool, grand
Botrych virg Ascl. quadr
Galium, (spn)
Dris crus

Asarum can
Mullella

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Osmorhiza, imorh
Callensonia
Smilax hisp
Mechania

Ⓟ Ascend again
tulip, beech & hemlock
right up to cliffs
Slope at top of cliffs
oh oak Oxyd
chestnut red maple
sc. oak dogwood
hemlock vine + papine, white
Kalmia vac
Andropog. Sol. odor
Aletro Pteris
Sorghastrum

wet rock house
that day
Lynn
Thank you

Nest of spring
blue eye
small
beak
body + +

a day with oak-feeding
l.s. slope.

Aster phlog
Aster laevis? spm
aster inf
Siphium
bucinae

Desm. v. l. a. +
Ceanothus
Vib. ruf
Helianthus (spm)
Desm. pot
Ant. parleyi (spm)
ser. Desm.: acem
Pycn. incan
Aster org
Ruellia
Euph. cor
Brauneria purp
Erag. pulch

Scutellaria (sp)
Mesadenia sp
Geranium
Bolitoglossa sp
Phrynosoma
Angelica sp

Helleborus
Pan. claud

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Oct 7.

In ravine that rd goes down. S. slope. Memphis Co

<i>Pedicularis</i> can	
<i>Phagopt.</i>	<i>Aster</i> cord
<i>Adiantum</i>	<i>Sol. lat?</i>
<i>Polyst.</i>	
<i>Botr. virgin</i>	<i>Sedum</i>
<i>Lobelia</i> sp	<i>Papaver</i>
<i>Hydrangea</i>	<i>asp</i> sp
<i>Eleph. car</i>	<i>Aspl. across</i>
<i>beech</i> hemlock	<i>dogwood</i>
<i>tulip</i> <i>filix</i>	<i>Spicelush</i>
<i>birch</i> <i>Cornus</i>	<i>knob buzz</i>
<i>butternut</i> <i>W. maple</i>	<i>Magn. trip.</i>
	<i>" macro</i>
<i>Aralia</i> rac	<i>Aspl. ang</i>
<i>Trillium</i>	<i>Collinsonia</i>
<i>Geranium</i>	<i>Jade</i>

Aralia nudica? or what? (sp?)
Hesperis di. *Rhizis ampl*
Mechanica
Asarum can
Blondroot
Crist serp
Aspl. platy. in open spot
Batr. vbl. " " "
Steir. lanc. - on forest floor
Amphi. mon
Hepatica acut
Trollium sp?
Wisp. low
Cimex ruc
Indian pipe

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Wolfe Co

A pine top 4 mi from
 Pine Ridge under-
 P. rug Oxyd
 sc. oak dogwood
 ch oak bac. stam
 " vac
 red maple
 wh oak

Aster purc *Smilax gl*
Ser. aster " br
Aster lin *Coryagloba*
Iris verna *Gaylussac*
Ang. villosa *Kalmia*
Sorgh. nutus *Rhus cop*
Lesp. spp-repens, hirta,
Pteris
Carex sp. myr
Aster und

Gaulth
Epigaea Ascyrum
Alcitra

Panicum

Sol. odora

Andropogon & fure

Hieracium (sp)

Linum

Leprosia

Chrysopsis

Lobelia (sp of Sept 27)

Desm. rot

Sol. erecta (sp of Sept 27)

Go out branch rd -

Some tops are

oak-high - ; where not
too narrow

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Carya alba, glabra Chestnut

Q. velut tulip

Q. stell ch oak

Q. cocca wh oak

less herb, less erect

but dryd

vac st

Sol. erecta, odora, resin

Desm & Lep Lobelia

Ashland

Helianth micr + rough or
sm stem

Prenanthes (sp) serp?

big grass Gnaphalium

Their qual

More pc. oak where more
narrow

Eup rot
Pycn inc
etc of Iris verna
P. pygmaea
Ser. lin
misc -

seedbx
fine wh aster
Eup perf

Pee Co. misc.
P. strobilus, virg, reg.
sc oak dogwood
ch oak red maple
bl oak Oxyd
wh oak nyssa

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Mag. macro
ser. gum
tulip
beech
holly
Panicum stip

Oct 8.

Glen Eden.

Cuts in Pottsville ss.

trilip	Major meers
hemlock	" Trip
birch	dogwood
basswood	Uglyd
beech - on top of cliffs & below	
red maple	redbud
butternut	Carya cord
cucumber	Aspl. platy
wh ash	Phegopteris
red oak	black sassa
wh. oak	Asp. marg
s. maple	Cymptony
Carya alba	Asp. m. l.
Aspl. platy	Aspl. acrost
Osmunda cen	Polytrich
	Adiantum
	Asp. spin
	Polytrich

Botryd
little Aspl. - in jar.

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Clusia	Arctia pae.
Rhod.	Sol. caesia
Hydrangea	Eup. vertic
vb. acerif	Lris crist
raspberry	Tearella
Clem. virgin	Heuch. par. rug
vb. cord	Paposte
Polyd	Buchneria
Sambucus	Aruncus
Pedera	Mitchella
Hammelia	Viola blanda
privy	Pilea
spec. buck	Scut. diph
Kalmia	Jack
holly	Aster dir
	Jmp. pall.
	Hepatica obtus

red lobelia
 Aster prae
 Ran. clem
 Thalictrum clam rocks
 Hioscorea
 Host. purp.
 Ran. recur.
 Sol. latif - big kind
 Sanicula marif
 Steir. quad
 Aster cordif
 Stenoch. - beg l.
 Viola rostr - ?
 Eleph. car
 Panisium spp. 11

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Higher on slope below

Epigaea (higher on sides)	gorge
Solidago erecta ?	
Ascyrum	Hieracium peab
Sol. (arguta)	Agrostis (as spm)
Helianthus micr	Castan. (Oct 6)
Cimicifuga	Cassia nes
Andr. scop	Chrysosf mer
Aster laterif	Coreopsis major
Vicia car.	Sarothra
	Ruzicacnyl
	blueets

Chestnut chvok	Smilax br
P. rigida scvok	" glauc
mulberry nypsa	Evony arner
sycamore Sassa	blackbl
	Crossvine

Seedbox	Verb. pudent
Eup. mac.	Agrostis? spm
Eup. rot	4 Oct 7
Pat. pumila	Linum, alt
Sol. odora	Lobelia infl

Columbine (under rock)
Panicum ?? like ^{sp} Comocladia
Prenanthes slender
flors + 3-lobed lvs

Callisoma Eup. coll.
Amphicarp
Monotropa

Carpinus Alder
papaw Rubus, ^{pub.} spn

Salix nigra Xanthoxyla
v. bicolor
silver maple

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Lobelia sp. fl.
Dryopteris, not rice cut
Aster pan
Polyp. sp.
Polyp. v. sp.

Sol. d. sp.
~~Silene rot.~~
Sedum tern
Medeola

Cliffs
Silene rot. Aspl., cut lf

North facing bluff
 of Ky R. (left in picture)
 High cliffs & low talus
 Talus with

<u>beech</u>	(circled) strawberry	<u>Rhod</u>
hemlock		Stamens
tulip		purple
Cucumber		Clethra
magnolia		holly
red maple		dogwood
chestnut		poplar
birch		Aspen
magnolia		Aspen
basewood		Jack
s maple		Viola blanda
burkeye		psedera
		- Epifagus
Staphyllis		+ Medeola
Carpinus		- Cercosa cut
		Hydrangea
		Lupinus
		- Meckania
		- Hydrocyan
		- Lullum
		Aster dis
		Jack
		Grass
		Slip linn
		- Astella
		- Aspl. ang
		- Monotropa

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Beech	### ##	14
hemlock	### ## ## ##	21
Tule	### ## ##	19
cucumber	##	3
red maple		4
chestnut		4
birch	1	1
basswood	### ##	12
s maple		4
buckeye	1	1
magn macro	### 1	6
" trap		
shelm	1	1
ash		

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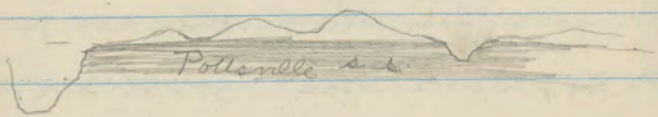
Pine top at Glen Eden

P. rigida + virg.
 Sc. oak, Q. stellata,
 Oxyd., red maple.
 Kalmia Iris verna
 vac. vac. Lespedeza hirta
 " stam. " repens
 Gayl. Heron. rot.
 Epigaea
 Amel.

Big scarlet oaks near edge
 of plateau overlooking North
 Fork at the Creech house.

Oct. 9.

Glen Eden - St Helens



General topography, rolling with low hills and flat-bottomed ravines. These flat bottoms determined by underlying ss., and are generally moist, with red maple + sweet gum, alder, swamp herbs as *Polygonum*, *Euphorbia*. Where flats not wet, occ. tulip trees. Hills are mostly bare (grassy w. Andr)

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or secondary oak woods, mostly wh. oak, with some black oak and hickory, + with bac., etc.

Large white oak at approach on a drained ravine flat.

Beech in Pottsville gorges (with other M.M.) and comes above s.s. cliff, there merging with wh. oak. Some big tulip

Indications are that a white oak - beech (prob. + tulip) forest occupied much of the pre-mature topography of the rolling section above the Pottsville.

At St Helens, on s. side
 of river, a grove on slope
 with large beech + white oak
 On the railroad side, slope
 appears to have pretty good
 stand, with much beech,
 wh + bl? oak, tulip, mostly

A N.W. slope woods just
 west of St Helens on rt 5-2.
 2nd gr. ^{with} but fairly large
 wh oak big beech Dpyd
 sc. oak " myssa Amel
 ch oak " whoak cucumber
 birch tulip red maple
 beech dogwood
 bl oak Hamam
 Carya alba

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bar vac	Iris crist
" ston	Cimila
blackb	Geranium
Smilax hisp + br + gl	Eup art
bit. acm	Kregia
Monarda	Collinsonia
Polyg. bill	Polystichum
Hesms. needf	Aster inf.
Medeola	" cord
Ant. plantaginif.	Stem great
Arist purp	blute
Sol. caesia	Corallorh
Gellera pub	Erygiaea
Heuch amer	breca car
Coreopsis major	Langstoma smook
Urol perf	entire
Smilacina	Respedeza spp
Aristolochia perf	Hesms spp
Thaspium aur	Potentilla frem
Aster und	Scutellari
Cypl. playn	Mon. sp.
	Cynogling

Dipulium
multifl

Owsley Co.

good piece of woods n. of
Boonesville (Ball's Garage)
big wh. oak, beech.

misc list:

beech	Salix nigra	persimmon
wh oak	Syc.	alder
bl. oak	Aster prae	Hydrangea
Q. stellata	Eup. perot	walnut
Dryel	red maple	dogwood
Rhus cop.	Helenium aut.	tulip
" glabra	P. virg.	Nyssa
Mulleberry	P. virg.	
Pinus rigida	spice bush	
Sassa	Clem. virg.	
Sambucus	hazelnut	
red cedar	Eup. mac	
Verb (pseud)	scarlet oak	
	s. maple	
Quercus prinus	Aster undulatus	
wh. ash	Solidago erecta	
cephalanthus		
Smilax glauca		

Lee Co. Misc. 11-9

Q. agrifolia

red cedar

nictitans

Aster phlog

" succulosus

Andr. furc

Aster palen

Aralia spinosa

Beattyville - Booneville

on rolling plateau of low relief. Mostly secondary oak (w oak + pine) but in per places, large wh. oak with beech
Beattyville, north.

Coming up hill out of Ky R valley - remnants of ^{with some tulip + hick} beech-wh. oak forest where open, sec. ^{oak} + ^{o. pine} pine + oak. The beech almost to the top on the south slope. On top, wh. oak, sc. oak, ^{ch. oak + chestnut} stellata + pine, hickory. Then get upon slightly rolling plateau.

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all secondary except scattered bl. oak, wh. oak, p. pine, nyrso, tulip, ch. oak, stellata

Small.

- | | |
|-------------|-----------|
| Carya ovata | wh oak |
| " glabra | ch oak |
| " alba | red maple |
| bl oak | dogwood |
| | oak |

First descent - three cliffs
A south face with beech,
tulip, hick - - -

Hepalobos - w/ pretty roof? *Thal. deon*
Botry. vicia *Vib. rufid*
Hemcl. amer *Polystich*
Ran. hisp *Psedera*
Aralia rac
Sambucus
Polygonum can

Looking w. field glass across
 to west slope: - (at rock slide
 - (see pictures 384)

beech	basswood
A. maple	tulip
nyssa	hickory
red oak	cucumber

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Good looking area ~~at~~ on first
 downhill slope, ~~to~~ 7 mi. S of ~~the~~ *Summit*

After crossing first "not" coming
 N from Beattyville, leave
 Pottsville cliffs & cross wide
 area of "Highland Run"
 with l. s. cliffs in place.

Beech very prominent (double
~~the~~ forming larger % than any)
 with other trees as noted above

Clark Co.

Q. imbric.

Red Cedar

P. serotina

Hackberry

P. virgin.

beech

walnut

mistletoe

tulip

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Scott Co.

Eupatorium altissimum

Aster novae angliae

Aster N. A. in Grant,
Bome, Kenton.

Pictures cont.

1. Glen Eden gorges at
loc. of dedication

2. Glen Eden - Miss Reding
& Miss Hume

374. see 2 pp. back

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Hotel Carpenter at
Selysville, near brick &
seweratories high, nice
looking

Baldwin Tourist
Home near Liberty
nice looking. Also
has a couple of heated
cabins in back yard;
(west side of town)

Montgomery Hotel
Mt Sterling