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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.

NY 34



NOTEBOOK

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No. 94¹/₂

34

(forest counts on cards)

E. LUCY BRAUN

2702 MAY ST.

CINCINNATI, OHIO.

(34)

June 4, '38. Bluebank + Swinging Br.
ranne, Fleming Co. 188 mi

June 20. Morehead, firetower
+ Clack Mt, oak-prairie.

" 21. West Liberty rd. to Little
Sandy P. O. + Sandy Fork
P. Sandy R. at Swinging Br.
+ Middle Fork

" 22. Iron Hill, Carter Co.
399 miles

(over)

- June 30. Cin. - Louisville -
 Elizabethton - Mammoth Cave
 with stops S. of Eliz. in
 Hardin Co. + at Upton, ^{Barren} Co.
- July 1. Mammoth Cave - woods
 bet. hotel + Elks hall, + to R. Station
- July 2. RAIN. To Cedar Sink.
 Stop on So. E. slope nr. M. C.
- July 3. - at Mammoth Cave
- July 4. - Cross Green River
 to "Big Woods"; to Ollie;
 to Sanders Store, +
 into Bayler Creek
- July 5. En Route
 Mammoth Cave to Paducah
- July 6. Paducah: *Cammeia*
 + westward

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Bluebank, Fleming Co.
June 4, 1938

- Quercus stellata*
 persimmon
Q. alba
Carya glabra, wata, lacina
Crataegus - like / cut by
Q. marylandica
 red bud
Crataegus, *crus galli* like
 - spm of May 7
Vib. pufidula
~~Rose~~, Cedar
 Mulberry

Lobelia spec (spn)

Penstemon (spn)

Leutellaria parula

" (spn)

Helianthus hirsutus

Vincetoxicum (spn)

Aster laevis

Dianthus speciosus

Desmodium spp

Despedeza spp

" repens + pub-cruf

Aster spp

Blythia ciliata

Rosa (spn)

Allium cernuum

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Euph. corollata

Andr. scop

Silphium trif

Ceanothus

Solidago arguta

Kuhnia eup

Anemone

Polygala vert

Sipyrinchiu albidum

Coleropsis major

Vitis bicolor

Oxalis viol

Aster und

Anemone berg

Convolvuli pub

Cuscuta among the oaks

Asclepias, purple
Peedera
Apocynum pink, open

Artemisia cover
Slope back to creek

Chenopodium, in fern
Asclepias
big Cassia smooth
~~Geranium~~
Sabbatia
Geranium mac
Polypodium urticale
Asclepias tuberosa
Salvia lyrata

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Gorge of creek cut into
Valerian Brassfield
Sedum

Tilia
Q. maple
Q. muhl
Dragon root
Viola striata
Cauloph
Spine bush
Staphylea

Brassfield with
walking fern Aspl. platy
Cyst. bulb.

Swinging Bridge range
white oak woods
June 4, 1938

White oak

with occ.

black oak ||

sh. b. hickory

a very large wh. oak stump
(Leptochis lili)

Up slope the proportion
of white oak suddenly
decreases: -

black oak

chestnut

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wh oak

Then a dead chestnut

zone met

repr. of red maple

tulip, sassafras, ch. sprouts

Big: -

Tulip ||

chestnut ### ||

ch oak |

black oak || ||

hickory |

beech ||

wh. oak |

red maple ###

nyssa |

smaller hickory, ch. oak

up to a shale (blue) barrens

of *D. montana*

w. patchy vac vac

then ch. oak, chestnut
+ *Pinus virginiana*

Swinging bridge valley -
open, l.s. slope type

Psoralea

Polygala sen

Thaspium

Oenothera (like Fleming
Co spec of June '38)
in Rowan
Carter

June 20
Morehead Fire Tower

Knob & ridge;

sc. oak

bl. oak

Carya ovata

Q. prinus

chestnut

tulip

Vitis bic

Rhus cop

Sass.

Azalea

Dryd

Cornus flor

Smilax glauc

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Phaseolus desm. rotund
Ceanothus

Mesocera villos bidupetala

Coreopsis major Tephrosia

Pteris

Asclepias variegata

Aster und

Desp. hirta + - -

" proc - Polygala amb

Amphicarya Festuca octo

Gallium step Aster inf

Desm. spp - laev. guillebertii

Iris verna Rhexia

vac. vac Clitoria

" ^{slam} Gayluss Lobelia sp

Kalmia Aster linear

Serico. ast

Sandstone cliffs
with bas. conyza
Kalmia

Betula lenta

Heuch. parr. rug.
Cheilanthes? spm
Selene rot
Aspl. pinnat
Mitchella sp. mag.
Polypody
Osmond cern

} woods
cliff

Vib. acerif
Cypr. acaule

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Dicksonia
Medeola
Heuch. beg.
Aster div

Clark road -
1st prairie

Psoralea
Lobelia leptostachya
Pseudoflora lutea

next "prairie on left"

Bromus } & back on
Therapsis } ridge down
Duck Creek

Silphium ter & trif
Solid. rigida
Rudb. hirta (spm)
Coreopsis Trip & major

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Brauneria
Aster laevis
Thalidum res
Eryngium
Andr. juv
Helianthus hirsutus
Euphorbia cor.

Open white oak & hickory
D. alta, stellata
Carya glabra, ~~ovata~~
Pinus rigida
Q

with scattered sapping
& pc " shrubs
or herb. layer of "prairie"
as above

Perennium Gray. (publ)
Rhus glabra Redbud
Ceanothus
Vitis bicolor
Crataegus shrub (spms 437)
Vib. pumila
ser. *Lespedeza*
" *Desmodium*
Aster rot
Aster patens
Liatus, spicata
Anem. verna
Iris - verna ??
p. v. v.
Aster multiflorus ?

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Rhamnus car
Kuhnia eup
Aster phlog

Ledges of l. s. outcrop
at sides of ridge &
prairie woodland cont.
below. Much shrubbery

esp. many redbud
Scleria trigl

June 21

West Liberty rd. nr
Elliottsville, (on left
going S) white pine

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June 21

Little Sandy - to
singing bridge at
hemlock Sandeyside

tulip

beech

red maple

chestnut

Dryden

Under

hemp, red maple

Tulip Aralia spica

beech cucumber

red oak Belula lenta

Dryd

Magnolia

poplar

Rhod

pinus

Erugonis americana

Prunella

Cornus alt

Sambucus

holly

Hydrangea

Digitized by Hunt Institute for Botanical Documentation

Polystichum

Asplenium

Dicksonia

Asplenium

Polytrichum

Cypripedium

Circaea lut

triflora

multiflora

Arisaema

Aralia rac

Smilacina

Ranunculus

Impatiens biflora

Impatiens pallida

Medeola

Chamaepitys

Along river

Xanthoxis borealis

Polygonum sagittatum

Polygonum

Cicuta maculata

Chelone glabra

Thalictrum flavum

in lower ~~and~~ wet soil

Isolated flat topped
remnants of plateau:

big chestnut

" hemlock

60 ft wide x
1/2 long

red oak (bar, map)

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Smaller

birch, Sassafras, Pyrus

holly, Rhodod., Quercus

wh. oak, red maple

Mats of moss & Cladonia
where leaf are not too much
thick mantle for moss
to get depth

P.M. June 21.

Middle Fork rd.

above cliffs

much white oak

black oak & sc. oak

one large oak stump only
64 yrs.

Slopes along Middle Fork
of Little Sandy

beech

cherry

red oak

tulip

wh. oak

Rhod. &
hemlock
river.

s. maple

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blackeye

Solid. latif

basswood

Trill. g. & l. leaf

cucumber tree

Pedera

mulberry

mayapple

redbud

Asnif

Carpinus

Polyst

s. maple

Corylus

walnut

Hydrangea

nyssa

Adiantum

dogwood

Ev. amer

red elm

Aster dr

Cornus alt

Laportea

Benzoin

Stellaria pub

magn. tree

Jack

Glisc

Disporum lan

Impatiens pall
" bifl

Circaea

Rhus tox

Smilacina

Juncus

blondus

Asarum can

Anemone

Aspid spm

Cryptotaen

Aspl. acrost

Hepatica

Rent dely.

Osmorhiza hairy

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Asp. mary

br. rostr

br. cord

Valeriana pauc

Meehanii

Caulophylla

white Monarda (spn)

Artemisia

(In places, beech prevails)

Along river: - per ek
river bank

(Actinomeris) - weed Verbena
occid.

June 22 -

Tygarts Creek at
Iron Hill, Carter Co.

A nearly south slope -
mostly secondary
but with some large
beech, red oak, & maple
medium size } Q. muhl.
red oak
Walnut
hickory
cedar

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red hickory	Amygd.
poplar	Arist. Serp
Carpinus	Clem. irora
butternut	Ruellia like
white ash	sp. of June 20
	Salvia lyr
	Clem. rot
mulberry	Panicum bosc
Dicentra	Erig. pulch
	Silene v. v. v.
	Coreopsis ^{capitata}
	Viola palmata
	Anem. v. v. v.
	Smilacina
	Rudb. speciosa
	Oxalis grandis
	Psoralea

A lot of ss fragments, ↘

Cunila

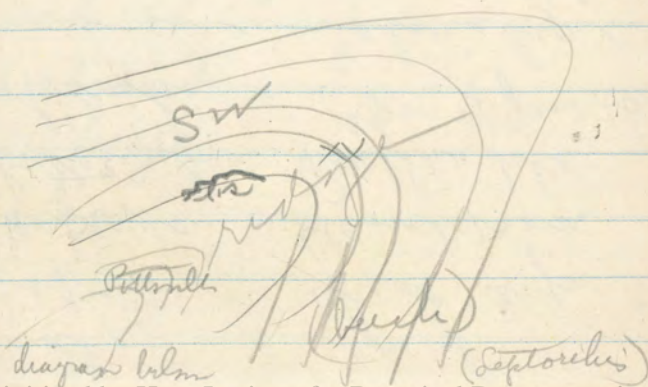
Galium stip

Rost. inferna

vac. stem

Ceanothus

Steep "ridge crest" as
round hill



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~~SW~~ x

Ridge slope crest -

vac stem; vac

Gayl

Cunila

Desm rot

Crepis myn

Ant plant

Horaceum vcnm

Laurelia

Solid. caesa

Lobelia spm.

Krugia

S.S. outcrop
 Pellaea
 Brachychaeta

Looking over onto northerly
 slope
 mostly beech wood
 s.m., buckeye -

①

beech IIII IIII IIII IIII IIII IIII IIII
 s maple 1
 buckeye 1 hemlock 1
 Carya cord 1
 red maple IIII
 chestnut IIII
 nussau 1
 white oak IIII

②
 Crest of ridge goes on up
 to Pottsville
 chestnut IIII cherry
 white oak II dried *lyon*
 red oak I beech
 red maple IIII red oak
 beech IIII walnut
 black II red maple
 walnut I Bass
 bitternut
 25ft S
 hemlock
 small

Int Laurel
 Amelanchier
 aspen

Looking over from top into
SW slope. (3)

hemlock IIII

red maple I

chestnut IIII

red oak II

wh oak I

tulips I

dogwood

Amel

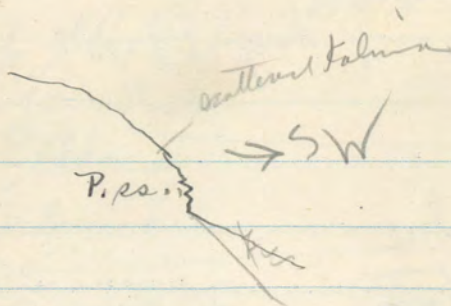
Sass

red maple

s maple

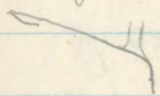
Oxyd

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Northerly, cont.
Adiantum

Cliffs on north slope; have
big hemlocks on edge



Cypr. acule

Mitchella

Lepularia

Iris verna on edge of cliff

	Botrych virg
Eupate	Anemone
Pseleora	Aspl. acrost
Comopholis	Saniculastris
Hamamelis	
Impatiens pall	
Meehania (lower slope)	
Cornus alt	
Polemonium	
Dioscorea, hairy	
Triella	
Viola canad	
Jeffersonia	
Brachyotum	
Aster divar	
Geranium	

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Coming back on
southerly slope -
low -

(5)

beech ### ||||
red oak ||

Dragon root
Sulphur perf
Aphelandra
Salix nigra
Syc
Acer sacchari
Ambrosia trif
Helianthus - common stem
Steiracil
Verb. alt.

June 30.

Near Louisville is M.M.,
with beech, s. maple,
Tilia (hetero), cherry,
walnut. (Jefferson Co.)

Misc Plants

Ascl. tuberosa - Trimble Co,
Oldham; Hardin

Low blue verlena - Hardin Co

D. digitata - " Co

Helenium tenuif. - Warren Co

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June 30.

N. of Elizabethton
at outskirts. Hardin Co.

wh. oak } all very
beech } large -
Tulip }
red oak }
walnut }
undergrowth cleared

Swamp s. of Elizabeth
town Hardin Co.

Cephalanthus

Salix nigra

Syc.

Rosa pratincola & pal

Phlox mac

Pycn. - sp. (spn)

Eup. perf

Lycium

Asp. thelypt

Juncus (spn)

Sag. flava calif.

Adnigia, seedbox

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Slope.

Lepachys

Silphium trif

Coccyzus bap

Quercus imbr

Dianthus in Nolan R.
Hardin Co.

Limestone outcrop with
Cedar - just n. of Upton
on 31 W

Lepachys } Larue co
Dracopis (as Nelson C)

Puellia alba = Gaura

Hyp. (spn)

Cedar

Qu. stellata

" alba

Q. umb. Q. donnell

Q. digit

dogwood redbud

persimmon

Carya ovalis

Passiflora lutea

Phormium tenax

Symph. Corylus am

Celtis, shrub

fib. rufid

Lespedeza

Salix lyrata

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Hexalepis

berberis - fruit yellow

Arist. serp

Cynod. off

Sulphurum

Aster patens

Parthenium

Euph. cor

Pyc. flex +

Agave

blackberry

Cumina

Aster undulatus

Polygonum vert

Andr. serp

Claytonia sp

Zephrosen very
Lesp. repens + pro
Coryps. trip

flat top of hill more
wah, Cumil. Zephr

Lobelia leaf.

Bulphic lacematum

Blephelia

Liatris squar

Achanchis hers

Lith. can

Physostegia

Dipachys

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Penstemon (pna)

Pellaea on rocks

Arenaria pat

Subtrua ang

Viola pedata m l s

Arabis can

Gemmingia)

Ophryd. engl

Peanochus

Anem. var

Psoralea moh

Ascl. tube

Upton area in
Miss. low-land
that weathers into
smooth rounded pieces

Wh oak	-	18 + 12 =	30
red oak		3 + 4	7
Carya lac		4	4
" glabra		7 + 2	9
tulip		14 + 11 = 25 + 10	35
beech		10 + 2	12
Oxyd.		1	1
chestnut		1 - (2) more cut	1
ash		5	5
s. maple		6 + 2	8
sassafras		2	2
(5 ft circ) butternut		2	2
mulberry		1	1
ch oak (muhl)		1	1
walnut		1	1
C. ovata		1	1
Ulmus alata		1	1

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MAMMOTH CAVE.

July 1. Mammoth
Cave

Ascending into head of
ravine on right of rd,
1/4 mi from entrance.

(see plateau notes later)

Big: -	C. cord. 1	Smaller
Wh oak	mulberry 1	s. maple
mulberry lac		wh ash
red oak		C. glabra
high. glabra		dogwood
tulip		C. lacina
beech		cedar
Oxyd 1		cherry
chestnut 1		red oak
ash		butternut
s. maple		red bud

Sassafras //
butternut //

Soil is good mud.

p. vry	Geranium
Cross vine	Jack
Peedera	Polystichum
Spice bush	Aspl. platy
Sambucus	Thal. doric
Staphylea	Smilacina
Coylus amer	Intecord
	Phegopt
Coniopholis	Cyn. vry
Melicca (sp)	Collinsonia
Brachytrichum	Hydrangea
Passiflora lutea	Aspl. ff
Aspl. ang	Circaea
Blondroot	Adiantum
Aspl. acrost	Traveller
Trill. decl	

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Trees, cont.

Herbs, cont.

Smaller

Actaea	Oxyc
Botry vry	red elm
Hepatica	beech
Polemonium	poplar
Pilea	nyssa
Asarum can	tulip
Cystop. frag	hackberry
Green violet	Tilia (sp)
Podophyllum	Persimmon
Ginseng	Carpinus
Urb. perf	
Smilax carb	
Eup. urtic	
Camp. amer	
Eleph. car.	

A grove of big tulip on
facing slope
this group not in count list
but can be added, ### ##-1

Impatiens biflora in clumps
of same

(*Sisyrinchium cany*, 5 ft circ)

A sort of open place

Salvia lyrata

Bleph. cil.

Ruellia like spm of June 30

Scutellaria spm

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<i>Montanoa</i> <i>incana</i>	<i>Ceanothus</i>
<i>Silene stellata</i>	<i>Erig. pulch</i>
<i>Ran. hesperides</i>	<i>Brachyactis</i>
<i>Anemone</i> var.	<i>Veronica</i> var.
<i>Gerardia</i> spm	<i>Silphium</i>
<i>Troostium</i>	<i>Ostrya</i>
<i>Viburnum</i> var.	<i>Rhamnus</i> var.
<i>Desm. celtis</i>	<i>Psoralea</i>
<i>Desm. rot</i>	<i>Desm. bract</i>
	<i>Polymnia</i> , yellow
Trees are	<i>Saxifraga</i> var. 2
wheat ###	<i>Pellaea</i> "
<i>Carya</i> var. 1	<i>Agave</i>
ash 1	<i>Vincetoxicum</i>
<i>Distictis</i> 11	<i>Euph. cor</i>
<i>Q. muhl</i> 1	<i>Coreopsis</i> trip
<i>Q. bor mit</i> 1	<i>Silene</i>

Alism. nudif
Eup. like urtic. but pub. (spm)
Erigeron (like spm of June 30)

(bluet m. s. s. talus)
Sarcocarpus leaf
Eup. sessile

Phacelia
Eup. sessile
Steer lance
Eup. coel.
Rudb. hirta

Forest, cont -

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wh. oak ### ||
turp ###
red oak |||
ch oak |
s maple ||
~~sycamore~~
walnut |
C. ovata |
hick, glabra ||
beech ||
Ulmus alata |

Lith. (spm) - the pale yellow
(Perilla) Panacum lvs
vine - (spm) Cross vine
Alopecurus
Hystrix

Ranunc

beech ###	6
Q. muhl. 1	1
C. oata //	2
tulip 1	1
red elm 1	1
wh ash ###	5
s. maple ###	6
bl. s. maple 1	1
red wh //	2
wh elm //	2
wh oak 1	1
hickory (sp?) 1	1
	<hr/>
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- bambus (sp.)
- Oxalis grandis
- Polygonum, common
- Menisperm
- other "

Woods, circling around on trail -

- Urtica latif
- Urtica
- Brauneria purp.
- Smilax or, scurvy grub ^{low} _m
- stem
- Arisaema drac
- Trunkleaf Discrust
- Staphylea Cyst. bulb
- Gymnocladia

A cedar open area

Cedar Sol. nem
 Rh. car Desm. ^{spr} very pub.
~~red bud~~ grasses, And. s.
 Dogwood ~~Cham~~ Cassin cham
 Ulmus alata Ascl. Tub
 div. Cettis Desm. rol
 Lemnium
 Stroph. or Galathea ^{spr}
 very tall, lin. Desm
 silva Desm
 ser. Despedez
 And. glom ?
 Sabotia
 Linum lehe June 30

Digitized by Hunt Institute for Botanical Documentation
 Fragaria vry
 Cocculus
 vertena, der blue
 Plantago arist

Flat nr River Styx

beech #41
 tulip #
 wh elm 1
 s. maple 1

much spic brush Carex
 valerian
 bamboo

near M.C.

July 2 - Elko Rd

L.S. outcrop, south face

Cedar - prairie type

Andr. seed + fruit

Quercus - long ped - filipes

Leaves square

Lepachys Sabloter

Brauneria

Lesq. hirta

Ascl. vert

Hyper. (Upt. sp.) dolobry

Agave

Lith can

Lobelia lept

Pyc. flit

Blephilia

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"Silver Elm"

Eryngium yuccifolium

Carex pensilv.

Verb. (Upt. sp.)

Ruellia

Thaspium

Achillea

Imp. Celtis

Leaves sp

Euph. cor

Sabloter

Croton monnina

Looks very much like
Adams Co. cedar prairie
such as slope at Bear
Pond nr Polypody Road

RAIN

Misc. Mammoth Cave
 Clitoria Edmonson Co
 Hexalectus
 Eup. serot.
 Asclepias physalis
 Lobelia inflata
 yellow Cichoriae (same as from Wayne Co)
 Diodia teres - Hart Co
 Solidago odora
 Chimaphila - Hart Co
 Smilax glauca " + Edm
 Aralia sp. - Edm
 Fraxina "

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July 4.

Cross Green River & take rd. to "Big Woods"

Upland areas - (Hart Co)

Q. digitata
 Q. alba
 Q. velutina

scattered big trees

occ. big tulip & beech

Pines, ~~instead~~ some
 s. maple; beech, tulip,
 wh. oak, etc

Herb. flora appears best
 on slopes of Ugly Creek
 Edmonson Co

next - go to Sanders
Store + around head of Byler
Creek. Usual type of s. s.
upland herbs with Ser. line,
Coreopsis major, Parthenium,
Lesp. spp, Andr. oco, +
in places Pinus virg.

Head of tribut stream -

drops over p. s. cliffs
like Clifty Creek does.
edge of top; - Distill
Pinus virg, red cedar ^{main}
Ulmus alata Du. montana
Holly, crossvine
Grass on shallow soil

Digitized by Hunt Institute for Botanical Documentation
on summit rocks -

Andr. sep. + a bigger Danthonia
Agave in soil pockets in p. s.
+ in pine woods
Crotm - small narrow lvs (2 pm)
Coreopsis maj - lit. rufed
Sarrthra genit Gellenistef
Euph. cor
bac. arbor

Hyper - orange fl. (2 pm)
Moringa (2 pm) Shooting star

In head of gulch
hemlock Evony arbor
Magn macro
lulif
blyd, dogwood

Hemlock (small reg)
Silene rotundifolia on cliffs
Woodwardia (sp) on top edge
Asp. many
Aspl. platyne
Kalmia

Pine - Cladonia edges -
with vac. vac. & other
patches of agaric in
opening in pine - oak
hick. woods, where
grass not too dense
Eup. rot blueets
Aster patens Perseimon
Ant. plantog ascyren Solidago odora

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Autoria
vac. slams - very white beneath
(+ ordinary)
Polygala vert
Salvia lyrata
Utricularia latif
Pteris
Opuntia on punniest ss

Going down over cliffs -
Hemlock fern reg
Sil. rot
Thal clus
Mitchell
Aspl ff

Back House with Jack,
Sh. Star, Silen

Faces west -

Trees as Q. montana
beech, chestnut, red maple
Nyssa P. very
with

Holly, Magna macra

Kalmia Dryd

~~P.~~ hemlock

Magnolia

Osma. cinn

Spice bush

Adiantum

Polyphol

Chamaenerion

Polypodium wood

Kriger

Orn. crest

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Phryma

Ran. leaf

big trees
under

Tree prairie flowering west

beech, buttercup, mulberry

Carpinus ^{red maple} paper

Simple tulip, sh t high

Actaea Asp. n h

Smilax ever

Rheg. Hydrangea

Cyano very bold blanda

Aspl across

" ang had flex

Asar. can bold rest

Hydroph car. Sedum terr

Arcaea but Caulophyll

Hepatica Medeola

Kind of ramie full of
yellow birch as big as beech
to

In. deal?

Comptosium,

Pelaea

redbud dogwood

red oak

Eup^hartic

En Route, July 5.

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Probably most of the plants
recorded for Cedar Barrens
in Edmonson or Hardin
Cos. also occur in similar
situations in Barren,
Warren & Logan Cos.

Saw Lepachys ^{vicus}

Leptis squarrosa

Saltator - Logan, Mich.

"barrens" seldom appear
as open as slopes on rd.
s. from M.C. toward Cedar
Sink; i.e. "barrens" should
not be mapped as solid
prairie, & if mapped, so
should l.s. belt on
Somerset rd, etc. + Clark
but "prairies" be mapped.

Route, July 5

Route followed from M. O. to
Cass City, thru Bowling
Green to Russellville; N
on 81 to Drakeboro, to
Greenville; west on U.S. 62
to jct 41; N on 41 thru
Madisonville, 85 at
Princeton, thru Clay
to Sullivan; west on
60 to Paducah.

The above crosses entire
"western coal field" &
encircling plateau.

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Cedar barrens - Rockfield, Ky.
are cedar with *Q. stellata*
Q. marilandica, *Q. degl-*
lata & *Ulmus alata*

In flat in Logan Co. nr
jct 73 are scattered trees
hackberry, walnut,
big mulberry; also
oak flats with occasional
hickory with the oaks.

Cross a wide broken
band of "cedar barrens"
in Logan Co.

N. of Russellville on
Ky. 81, large tulip at Epley
(Logan Co.)

Hollow Bill ^{Logan Co.} (name on
bridge) branch of Rawhide
slope forest contains
beech, tulip, s. maple,
and oaks, but appears
to be mostly beech. This
at Pottsville cyl. horizon
& into a band of M. P.
bet. cedar & oak of under-
drained l.s. and oaks of
shaley part above Pottsville

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At Mableton Co., prairie
plants stop.

River birch (*B. nigra*) at
crossing of Rocky Creek.
Mableton Co.

Hills in "coal fields"
at Browder, <sup>(Mableton
Co.)</sup>
oaks, beech, hickory
s. maple.

On Drake bro to Greenville
rd. much rather large
white oak, with beech
red oak, tulip.
(Mableton Co.)

Pond Creek flats: -
beech, pin oak,
sweet gum, Nyssa
red maple, river birch.

Next to frog, more
rolling, no rd.
tops of the parcels are
mostly oak

Hills on U.S. 60 west
of Tradewater River
are oak

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Just west of Marion
s. maple in one place
with tulip & walnut
(Crittenden Co)

2.5 mi. east of Burna
a small area of "cedar
barren" ocedar prairie
(Livingston Co)

1 mi. W. of Burna, Co
oak woods (Livingston Co)

Oak, hickory, s. maple
tulip (wh & bl. oak)
some massive rock
here, & a l.s.-ps contact

West of Cumberland
river was a hilly
place, mostly oak,
but in one place
there is beech. (Livingston
Co)

Coming in to Paducah
flats generally oaks
incl. much *Q. digitata*
(Mc Cracker Co.)

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July 6, 1938
Camelia School
McCracker Co. Ky.
(west of Paducah)

<i>Q. digitata</i>	10
<i>Q. stellata</i>	21
<i>Q. velutina</i>	5
<i>Q. alba</i>	12
<i>Carya alba</i>	2
	<hr/>
	50

Lots of middle size oaks,
dig., vel.
few alba
Carya, 2 spp.

Under -

D. velutina, *digitata*

mulberry

persimmon

Carya lac. (?) *Halla*

walnut

bl. cherry

Ulmus alata

dogwood

Nyssa

Sycamore near "gully"

a red maple near head of ravine

Vitis cord. & - ? *Sambucus*

common black Hazelnut

P. virg *Sassafras*

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Psedera

Symphoricarpos

Amel.

Sanicula

Arisaema drac

Pilea

Eup. serot.

Phyllanthus (*Euph*)

Perist. dig.

Desm. laeng

" *panic*

Ascyrum

Heracium scabrum

Tephrosia

Paspalum repens

Aristolochia serp.

} in fairly
open
place

July 6. En Route

Agave - Mc Cracken (Cammelia)
Helenium tenuifolium in
Mc. Cracken, Ballard, Carlisle

Big sugar maple in oak-
hickory grove (in Bardevell)
(Carlisle Co)

Swamp at Carlisle - Ballard
co. line - (

willow oak	sycamore
sw. gum	blk willow
silver maple	Pop. delt.
wh. elm	

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Going up hill out of
swamp: - (Ballard Co)

beech

wh. oak

walnut

tulip (on s. slope)

On north slope -

beech - &c

same as S. slope