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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.



MEMORANDUM BOOK

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MO. & ARK.

OKL.

R-210-Open Side
R-211-Open End

(~~1~~)

(3)

MO. + ARK. (on cards)

E. LUCY BRAUN
2702 MAY ST.
CINCINNATI,
OHIO

Deciduous Forest:

MO. and ARK.

- July 6. to Poplar Bluff & Big Spring State Park, Mo
- July 7. Ellington, Centerville - Bee. Fork of West Fork - Ellington, Eminence, Winona - Big Spring
- July 8. Big Spring to Rolla with stop south of Round Spring, Shannon^{Co}
- July 9. Rolla to Branson, Mo. with stop at cedar glade just N of Branson.
- July 10. Branson - Fayetteville, with stop at cedar glade.

just S of Hollister and
at "pivot rock", Eureka Springs
Ark. + at Inspiration Pt. Ark

July 11. at Fayetteville

July 12. west of Fayetteville:
Prairie Grove, Westville, Okla -
State line - Dripping Spr. " -
" " - Siloam Spr. - Spangdale

July 13. Fayetteville to Cass -
to Ponca - to Harrison

July 14. Harrison to Marshall,
to Hedges; back to Marshall,
to Conway

July 15. Conway, Ark., thru
Memphis to Jackson, Tenn.
Sprms. S. of Conway; east
of Little Rock, & prairie
east of Carlisle.

MO - July 6.
sugar maple in tall pine
beyond Pop. Bluff

Entering Ozarks, sugar
maple in prairie

July 6

Following US 60 west
from Poplar Bluff, Mo

Enter Clark Nat Forest
Low hills, with oak
woods, & in places some
pitch pine.

Q. velutina
Q. glabra
Q. stellata
Q. marifolia

General
highland
Soil light

Persea

Rhus canadensis (pub)
vac arb.

Common

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Salvia
Lespedeza proc
Ant plant
Lechea (like *Soldo*)
Ascyrum
Diachma sp
Diodesia tera
Cassia nict
Desm. rotund
Cumula
Aster patens
Leprosia
Monarda
Baptisia
Rudbeckia purp
Pycnanth flex
vac vac
Stylosanthes
Ceanothus
Linum
Andr.

A *Q. marilandica*
 summit, open woods,
 with herbs listed,
 esp. *Siphon*
Lepidogon sp

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July 7.

To Centerville, +
 up West Fork + Bee Fork

Ridges and slopes on way -
 oak - more white oak
 than yesterday & less
Q. marilandica. In
 places pine mixed with
 oaks.

River bank near Centerville

(Reynolds Co) — (Just N. of Centerville)
 Along West Fork + Bee Fork

FLAT

bitternut	carpenter
hickory	oak
hickory	poplar
Syc ^{white}	bloodroot
elm ^{saw}	cornucopia
wh. elm ^{my}	nut-hazel
birch	alder
mulberry	

West slopes, l. s.
 sugar maple
 red oak
 basswood
 mulberry
 hysop
 white oak

witch hazel	geranium
paper	Passiflora tub.
red bud	Cornus
dogwood	Polypodium
Ohio hick	Cimicifuga
hazel	Agave
Crab. sp	Prestonia
Rhus can	Ran hirs
Bumelia	dioscorea
Ostrya	brca can
viburnum	Galium con

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Benzoin	Aspl. platyne
Wtis cord	Polypodium can
Staphylea	Asarum can
Hydrangea	dioscorea
Cornus alt	Pellaea on rocks
Pine	bloodroot
	Seymeria
	Wurmbia
	Woodsia?
	Thal. dioic
	Galium, long pedicels
	Clematis virga
	Aquilegia on rocks
	Cystof. bulb " "
	Hepatica acut
	Jack
	Campstonia on rock
	Aralia for
	Camp armer

Appearance
 see next page

Area examined has been
grazed -

General appearance is that
of rather steep gravelly
slope around Cuv., that
faces a southerly direction,
except no beech.

In contrast to prevailing
oak type - this is a
varied & more luxuriant
flora.

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En route, July 7. -
bet. Ellington & Eminence
oak ridge with some white
oak.

Close to Eminence, on north
slope toward river - large
sugar maple

Occasional pure stands of
pine in Virginia.

General aspect of
upland but similar
to poorer soil uplands
of App. Plateaus but
lacks the variety.
Absence of *Coreopsis major*
conspicuous

Bottoms are
 sycamore
 silver maple
 white elm
 ash

with Pedera + fungi + grape
draping trees

red oak	20.	
Q. muhlenb.	8	
Tilia	5	
walnut	4	
ash	3	
hickory	3	
S. maple	2	
mulleberry	2	
butternut	2	152
Nyssa	1	
Red elm	1	Sassafras 1

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July 8 Shannin Co.
 N. of Eminence
 S. of Round Spring

Dah-pine ridge Park-like
 (a l. o. upland?) aspect
 with varied herb growth

y. pine	###	Leprosia
Q. fume	###	Stylosanthes
Q. stellata	###	Petalostem ²
Q. velut	###	Sespediza spp
" (more)	###	Ant plant ³
Q. alba	###	Cassia nut
hick.	###	" Cham
Nyssa	1	Psoralea ped
		Howk denif
		Rudb. herb
biol. pedata		Crepis
Aster linif.		Phlox pilosa
Polygonum		desm. sp
Conthess		Ascl. vert
Prith, integ.		Leatrus sp
Aster pater		Euph. cor
Lith. can		Boptisia

vac. (vac?)	dogwood
Saururus	etc
Andr.	Sassafras
Panicum	
Helianthus	Pteris
Lobelia (sp. leaf)	Cornus
Solidago sp	Silphium, seen
M. maritima	to tree but
Eryngium	long, large
hls. m. large	fls + more large
Viola	y. Dasyct
	verb. - big yellow
	Diastylis scar.
Galactia	Entonia
Asclepias	
Hesperis matronalis	
Comandra	
Galium, long pedunc	
Hesperis rot	
Urtica	

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Fragment of white (l.s.?)
 near rd. but prop.
 from slope as ridge
 starts down, is sls.
 quite sparkly

D. alba incr. down slope
 D. stellata decreases &
 all but drops out

Ridge goes east from
 N-B main ridge

Going down variety of
 herb decrease, fewer
 "specials", more Desm.
 & a few other things ^{Ceanothus}
 enter as Smilacina
 fringed Compositae ^{Carex like}
 more dogwood ^{trif but some}
 Cornus ^{5 pinnate}
 Eryngium pub. very fresh
 Adiantum
 Arum

hickory 7	2
y pine 11	2
bl oak #11#11	11
sc oak 1	1
wh oak #11#11#11	17
	<hr/>
	33

Copied from 2 pp back: -

<i>Q. velutina</i>	- 19
<i>Q. alba</i>	19
<i>Q. stellata</i>	15
<i>Pinus ech.</i>	14
hickory	4
<i>Taxus</i>	1
<i>Q. coccoinea</i> ?	1
<i>Pinus rigida</i>	1
	<hr/>
	74

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Slope down to Montauk
state park - much red
oak, white oak, occ. s.m.

General country round about
& from Montauk to Rolla,
rolling to flat upland,
with much *Q. stellata*.

Crossing Pinery R. on U.S. 63,
red oak & white oak,
cedar on cliffs

N. on 63 - does *Q. macro.*
replace *stellata* - looks
diff.

In general poor but continuous
forest, not savanna
but oak-rich. of trees not large

Near Rolla, a few more
"prairie" species appear:-
Lepachys, *Eryngium*,
the tall desm. fr. Mammill. C
etc.

In general flattish country
with much scrubby
D. stellata

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July 9 -

Taney Co.

Cedar glades
vic Branson:

open prairie-like

Cedar

Bumelia Bush, seeds + fls

Ulmus alata

Rhamnus car ?

Rhus car

Hackberry

Quercus macro

redhed

Persea

Ilex ?

Rosa set

young down slope to
wooded thickets of
D. muhl high
D. stellata ash

And fern
Bout. cut

- Grosses } And. - ~~long~~ ^{blue} ~~panic~~ ^{panic}
- Agave
- pub. Parthen. ?
- Croton monan + cap
- Tragia
- Talium
- Scroph
- Euphor
- Aster oblong
- Petalostem purp
- Ruellia ciliosa
- Ascl. spp - vert
- Desmanthus
- little white bridge
- little Sabatia like
- Houstonia
- Baphis
- Rudbeckia, ^{has narrow lvs} ~~seems to be~~
- Allium cern

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- Veronica spp. garden by path
- Oenothera - sim. to ours
- ~~Pen~~
- Verbena sp
- Oenothera ex. pr. type
- Hypericum
- Sisyrinch, all
- Shooting star
- Lepachy
- Lith clam
- Brunneria like Mamm. et al

- Woodsy lower slope with
- Ant plant
- Inonoda
- Rhus ca
- grape
- strawberry

with much the aspect of
the pr. - woods tract
at Beaver Pond

open, cont.

- Verbesina, large yellow like B.P.
- Helianthus hirs
- (leafless) purple mall ^{Pal}
- Euph., lat. cor. + many ₅
- Gaura, not long ped.
- Silphium lac
- Acerates
- Scutell
- Cacalia tub
- Asclepiodora?

More and up slope
 & cedar more scattered
 & fern other woody
 things

Soil. Rendzina type

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July 10

Cedar Glades just
 south of Hollister,
 add Taney Co.

- Litsea
- Penstemon
- Eryngium yuccif
- Gabardus
- Verbena - common from the
 downy lites Cornus
- Solidago sp


Pellaea on the rocks

Success at
 flay


Under;	
dogwood	Grape ^(cordy) _{flay}
redbud	Rhus can
s maple	Poedera
ash	Hydrangea
walnut	dwarf cates
Sassafras	Symphori.
hackberry ^(ylabra)	p. usy
Ostrya ^(orata?)	Rhamn. can
W. alata	Bumelia
red oak	Rosa sp
white oak	vac vac
Asnel.	raspberry
wh oak	Vib. reifed
Ulmus fulva	Bumelia, bay
pupaw	Cornus sp
	Smilax
	Lonicera
	Ceanothus
	Smilax hisp
	Castanea
	Benzoin

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Hyptis	
Sedum tern	verbena vert
Soldado sp	
Helianthus	
Alchemilla sp	
Desmodium sp	
Tephrosia	
Stylosanthes	Pilea
Elymus	Parietaria fls
Aster sp	common tree
Anem. purg	Sappule
Clematis sp, vrg + leaf	
Cupress	
Galium, long ped.	
Lespedeza sp	
Verbesina	(Lepton Kyron)
Brauneria purp	
Ulmus rot	
Passiflora lutea	
Panicum Bos	
Smilax	
Can hisp	

NW slope with some
open spots +
Euph. cor (like)
Coreopsis 

N slope cont

Trollius (essid pod)
Sol. caesi
Aster
Sant. by 
Camp. amer
Aster not radi + radi
Pellaea (on rocks)
Cynog. veg
Pokerweed
Amphicarp
Polyg. veg
Eup. white

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Carroll Co.
A few mi. farther on
N slope, down to White
R. + just below Inspi-
ration Point, a "bench"
on L.S. slope W face
S.S.E.

S. maple	###	###	1
W ash	1		1
red oak			3
W. alata			2
blue ash	1		1
D. michx			2

& becoming more SM
as slope runs to east

Open & grazed but
lots of this year's
SM, peeling

Eup. serot
blue violet
Sarcocolla

At intervals as we travel,
honey locust.

July 12 -
Going west from
Bryantville

Prairie patches marked
on map but very few
pr. plants, i.e. around
Leatus. Prairie Grove,
Helianthus et.

Then low ridges with
trees looking quite poor
with dead tops

Between Lincoln & Westville
(Okla) soil gets dark &
of prairie type - a
few more roadside pr.
plants.

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N. from Westville

Topography: -

pr. soil	:	yellow to
pr. plants	:	reddish
	:	oak-hickory
	:	woodland

Eryngium
Andropogon
Bromus
Agave
Blue Monarda
Euphorbia
Baptisia

Aster ?? ↙

rd. following stream

W



Betula nigra
just s. of Watts, Okla
w. valley, by c. of old
dam

Cliffs & steep slope -
white oak, walnut
oak, - - grape
columbines, hydrangea

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No of Watts - Okla.

a reserve plot -
white oak - hickory - elm

West of Sulvan Spr.
+ "Septic" Okla
a low prairie

Aster
Eryngium yuccifolium
Helianthus - hairy mollis

Amorpha fruticosa
Cassia chamaecrista
Sulphur lac
Umbellifer - Pteridium
Aster
Androsace
Liatris
Castilleja

Polygala sangu
Phloxstegia virg
Lophandra
Pyc. flex
Speranthus
Juncus sp
Conopsis del 
Scirpus
Ascl. vert
Cyperus
Panicum sp
Stelecia
Ruellia hirta
Cyperus fine penn
Pennisetum
Bidens arist?
Berberis
mallon / Callierhoe dig
Cedar glade
Ruellia

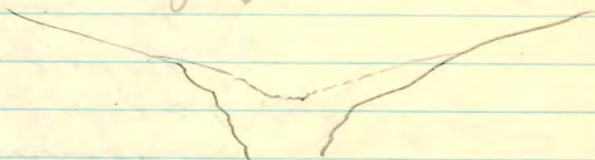
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Trades
Apios
Salbatu
araifillon
Cephalanthus in com
spot where more
Spartina
Along slight drainage
line
Ceph
Spartina
Bidens arist big
Joe Pye? ✓

Invasion by small
oaks only 2-3 ft high
Brauneria purp
white & purple Petals
Sturnaria uncinata
Lepidocarpus

Whipping Springs, Okla.

A small gorge in dolomite



Slopes above gorge walls

white oak ~~###~~ ~~###~~ |||

hickory ~~###~~ ~~###~~ |

bl. oak ~~###~~ ||

D. stellata ~~###~~ ~~###~~ |

D. maril ~~###~~ ~~###~~ ~~###~~ ~~###~~ ~~###~~ |||

Y. pine ||

open stand, low stature
many with dead tops

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Under

Andr.

Ceanothus naxos Ls

Leatis sp

vac. vac & stem

Aster patens

Rudbeckia herb

Siphocampylus

Drachma sp

Sedum

Arnica

Cunila

vac arb

acid vert

Prunella

ant plant

Ulmus alata

Crotalaria in rocks

at edge

Crotalaria

Gorge slopes
 white oak ###
 red oak ###
 nysa //
 hickory //
 mulberry /
 Acer rubrum //
 red elm /
 Q. muhl //

Small

maple - ~~tinctoria~~ & sacchar.
 Ostrya ash
 red oak # chestnut
 Hydrangea Ulmus al
 Abutil
 Lysichiton
 Prunus ser
 Nysa
 dogwood

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mosses on N slope
 Cynodon
 Psedera
 Solidago canad
 juncus
 Polypodium can. radiat.
 Impatiens ~~bifida~~
 Clematis, not radi
 raspberry
 Euph. vertic
 (Perilla)
 Cystopteris bulbifera
 Utricularia latif
 Samolus flor. indig
 Adiantum cap. ven"
 Pilea pumila Aspl. (var)
 Lycopodium moss + concept.
 alium covered dripping,
 facing cliffs with
 large Pilea, Impatiens,
 Adiant

East of Silver Spr
~~low~~ hilly Benton Col Ark

wh oak
bl oak
I stellata
Chestnut
hickory

Chestnut a constituent
of the oak-hick at the
west margin

Walnut everywhere in
prominence.

Prairie starts ^(at west margin of forest) on lower feet
areas, some of oak are wet,
and hilly areas are forest!

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July 13

Fayetteville - Cass

Near Fayetteville in
valley & some pr. of

Following up White
River -

Large sweet gum,
white elm
river birch (nr. mt.)
sycamore " "
winged elm
nyssa
Walnut

Slopes above rd -

in clearings, much
Styfb. Prolif., Rhuscop.

General slopes -

oak

mulberry

hickories

nyssa

sw gum goes a ways up

much Pham. oak,
dwarf buckeye
paper

Aspect sim to Key or Adams
Co., etc.

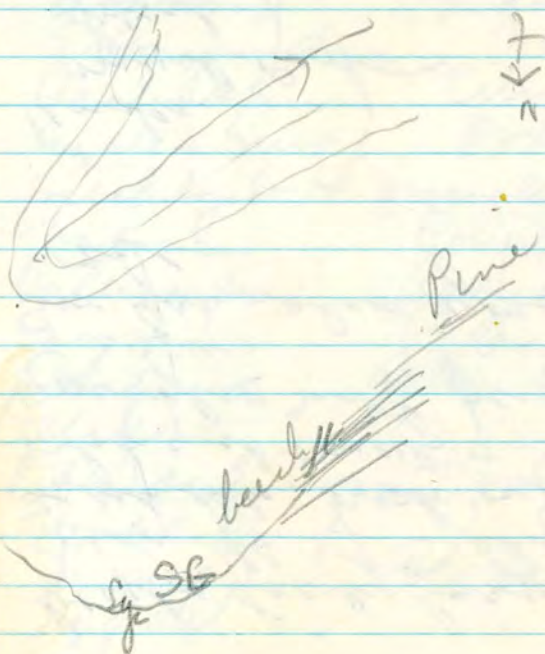
Some small red maple on
slopes coming down toward
Cass.

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Cass

Ravin to river -

Slopes facing nearly south



beech, fairly large
 near ft of S slope
 & up into rock outcrop
 where it meets & .
 single with few
 Sn gum also goes up
 red.

Under
 much Canyon
 beech
 red oak

in westerly dir.

going up same wh. flora
 sandstone area
 beech IIII IIII IIII IIII IIII IIII
 red oak IIII IIII IIII

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sn gum IIII
 sh stem /
 red oak IIII II
 Under

Tilia
 Amer or fl
 U. alata //

sn gum	Iris
Dryas	Asp
dogwood	Phlox
Erigeron	
Aralia sp.	Cumc.
Azalea	Podoph.
black hyl - H. vernalis	
Japan	Polystich
Calluna	Ascyre
rye	P. l.
Polyporus	glin tag
Ostrya	
bad oak, oak, melanc	
Mullein	
pin	Polyporus
red oak	
Rhamnus	
Lonicera	

wh ash	Aspl. pt
Hydrangea	Cornfield
Berchemia scandens	
Smilax	Cynod. 2
Vitis rot	Eleph. ear
Mullein	Ranunc.
Persim	Pedicularis
Pes	Samol.
Amel.	bloodroot
red maple	Arist. serf
Benzoin	Sub. caesi
lib. rufed	Thyma
Parame. spread, not	
a little flat -	
almost all surgr	
alms along creek	
ryon	

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On out N ss cliff

moss + lichens

Adiant. ped
 Aspl. trich
 Heuchera arkansan?
 Hydrangea

Staphylis	Lappula
Pilea	Hern. pot

Aspect, is of a poorer
 mess. type, but obviously
 of the " " rather than
 tough-hickory

Travel - N. on 23, thru
 St. Paul, east on 16 to jet 21,
 N on 21 to 43, N. on 43 thru
 Ponca to Harrison.

Coming down hill
toward Ponca, Newton Co

Sandstone cliffs -
above cliffs
bl. oak, wh, oak, hick,
small red maple, Nyssa

Belov. p. s. - ^{ss. drift}
big s. maple
red oak
Tilia
hickory ←

ss. starts on s. side
under - deposit bed
s. maple, Tilia, hickory
wh oak red oak

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~~Nyssa~~ Magnolia
I. muhl.
h. s. oaks - further
down

beech ^{big more than any other sp}
red oak elm
ser. hick ^{elm alata}
s. maple
cucumber - many large
Nyssa
Tilia

Coming down ~~on~~ the
flat with ^{flashed low}
sycamore ^{back}
walnut
Nyssa
elm (wh. + alata)
hickory spp
wh ash

beech
s maple
D. muhl
syc.
cedar
wh. oak
K. coffee

where l. s. outcrops - cedar

Aspect of slope forest, which
is easterly, is luxuriant

Many springs emerge along
fr. of slopes as we travel
along valley, indicating an
abundant water supply
on the slope occupied by
the meso. forest. This

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is a very deep valley cutting
into very high plateau,
whose margin, overlooking
lower land to east, stands
out as a high & prominent
escarpment bordered at top
by massive p. s. cliffs

Apparently, valleys cross
dip of outcrop & (something
as on E. side of Ponca Mt.)
tap an abundant water supply.

Ponca on trib. of Buffalo R.
& trib. flows about S joining
Buffalo R. wh. goes N.E. &
then east & S.E. (See map)

Under
 bl. oak
 hickories
 2000
 chestnut, green & de
 Persim
 dogwood many + large
 Osage
 bl. oak
 plum
 Pr. ser
 Amel.

grape
 p. oak
 loc. oak & stem
 Prickly
 Vitis
 Conoclinium
 amer
 Desm. sp
 " pau
 " brack
 Helianthus
 Galium longifol
 "

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 Hamamelis
 Ericac. bush
 Azalea
 Vib. prunif
 Rhus com
 Phlox pilosa
 drangst
 P. multiflora
 Hepatica obtus
 Lerp. prae.
 Smilacina
 Cynoglossum
 Anemone
 Ant. plant
 Parly
 Baptisia sp
 Polytechna
 Helianthus
 Inocentia
 Sol. caesia
 Ceanothus
 Anemone
 Knapweed
 Brachyotum
 Parnassia sp
 Phlox sp
 Pteris

Not much herb growth
 but as good as in any
 oak wood

4 1/2 x 4 x - chestnut
 8 1/2 x open note book - air whel
 6 x " 4 1/2 " - 4 pages

This is really a fine
piece of forest, many
layered; big trees,
mostly wh. oak,
good leaf litter

A summit pine
woods (yellow pine
w. pers., sars., argis)

Lespedeza aff
Galactia (m.c. sd)
Petalostr. purp
Innards linc
Ceanothus
Cassia nect

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h

Cucumber trees at camp
Hedges in ravine
which rd. crosses here on
bridge.

Notes, en route, Marshall
to Hedges:

Tops of hills ^{& upper slopes} on it. 27:-
oaks - D. maril., digit. bl. oak,
wh. oak, D. stellata

chestnut - some are large trees
occasional hickories

" Nyssa

Rt. 14 at Big Creek -
steep descent from plateau
over l.p. slopes & cliffs
bushy buckeye on
more open slopes
s. maple, esp on slopes
of trib. valley wh. oak,

follows east of creek,
also - *Ulmus alata*, walnut
hickory, oaks, a red oak &
cucumber. In one place
Sclerophila ter.

On top near Big Flat:-
Chestnut,
hickory
oaks - white, *stellata*,
black,
nyssa
Lots of dogwood on the
flat, even in patches
open places.

Enter part of Ozark
Nat'l Forest east of
Big Flat:-

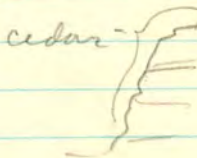
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Summit forest of
stately trees of any
place we have been
in the Ozarks
near entrance to N. F. -
a more or less cont.
understory of dogwood
Summit forest is mixed
forest of wh. oak, bl. oak
& some *stellata* & *maril.*;
(all are big trees, the
stellata & *maril.* much
larger than in Mo. Ozark)
also *D. digitata*, some
hickory & some chestnut
& some *nyssa*. Dogwood.

The entire forest has good
aspect - does this east
part have a heavier rainfall?

Harrison to Marshall

Crossing river & its
immed. trib. - great
limestone cliffs, exposed
on wh. are scattered red
cedar. Cedars more
closely places at upper
edge, but soon give
way to prevailing oak
forest.



Marshall to Conway: -

Come down onto lower
valley-like area for
a ways, with farm
country.

Then up & enter the

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pine - oak area (see
colored map) in which
yellow pine a prominent
const. of forest & often
in pine stands.

General.

The escarpment s. of
Harrison overlooks broad
low area to east. A few
outliers nearby show the
same s. s. cliff (near
top) which marks escarp.
The eastern portion of Ozark
nat'l forest also rises
high & considerably above
the low stretch east of the
escarpment

July 15.

Conroy to N. Little Rock

Pine-oak on hills
flats oak w. dig. + white
milum oak.

Many fr. spp along
r.r. in flatter parts.
East from N. Little Rock
Ark. valley -

Cypress bayous
pictures 4, 5, 6

then just above cypress,
wh. oak

winged elm

Julia (spp)

Q. schumieri or *tex.*?

~~Red~~ Hickory

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In swamp

Cypress

Gled. ag.

See gum

Water oak

sycamore

willow, *S. nigra*

open bayou #8, 9 pictures
with tall grass fringe

these further east

many shrub

hackb.

ash

winged elm

silver m.

magn. *glauca*

Hibiscus

Ceph.

Water buttercup

lotus

#9 - lotus foreground (3 flo)
& cypress bayou

Carlisle, Lonohe Co.

Prairie l. of Carlisle:
Siph lac
Rudbeckia hirta (spm)
Spiranthes (like bigger from the)
Liatris spic.
Eryngium yuccifolium
Helianthus mollis
Ruellia alba
Junco sp
Panicum virgatum
Andr. flex
Siph. or off. var. lvs
Rhus
Quercus
Baptisia
Cassia chamaecrista
Leprosia sp? (spm)
Moringa (spm)

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Galathea
Purshia
Liatris scar
Ascl. sp
Agave
Crotalaria, entire lvs
Pycn

10 x

11 prairie flower
Rudb. at 5 ft
Sil + Liatris

12 Prairie at 25 ft
Sil. lac, Liatris spic.
& scariosa; Rud. - big
Eryngium (Prairie Co.)

Flat of White R. - hard-
wood bottom, w. cypress
then gets up to wh. oak

willow oak, *stellata*, *Q. digi.*
at Brinkley, oblong piece
begins to mix w. willow
oak

more prairie bet. Brinkley
& Goodwin

Crowleys Ridge at Forest
City
Tulip A loess ridge
Beech

Cucumber
Red oak, *Q. digi.*
wh. oak

nyssa
Buckeye
logwood

Crowleys ridge - loose
ravens w. much beech
hill tops oak

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Hardwood bottoms E

J. Jc. with U.S. 64

Pinus -

Q. bicolor?

Hackberry

big Slediteuce

the oak

sw. gum

willow oak

Carya spp.

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Myssch, if he ever
got away from the
field & back to Kani,
He never leaves
again