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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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TENN.

N.C.

S.C.

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

4

B

on cards

E. LUCY BRAUN
2702 MAY ST
CINCINNATI

Dec. Forest: OHIO

TENN., N.C., S.C.

July 15. Memphis - Jackson Tenn

July 16 Jackson - Pulaski,
with stops at Chickasaw
Forest w. of Henderson at Nat. Br.

July 17 Pulaski - Monteagle
on U.S. 64; then to Mc
Minnville on rt. 56.

July 18. McMinnville; Tenn. 30
e. of Spencer, slopes to valley
of Cane Creek to Rockford

July 19-21. Gr. Smokies - see
other notebook

July 22. Gatlinburg -
Highlands

July 23. - Highlands to
Spartanburg

July 24; Spartanburg
to Columbia, S.C.

Sumter Nat., T.

3 mi. east of Wrensboro on Rt 23

July 25. Columbia to Sumter
to Florence, S.C.

July 26. Florence to Wilmington

July 27. Washington Creek,
Pender Co., n. of Burgaw N.C.

Helianthus tenuifolius a
very common weed - in
grazed or much disturbed places -
in W. Ky, Mo, Ark, E. Okla
& W. Tenn. Not so common
after M17 area begins

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Tenn.

July 15.

~~East of~~ In Memphis,
very large tulip trees
on loess ridge on Miss
R.

Park in Memphis on
U.S. 70 is mostly oak,
sev. sp. & large.
i.e. - general section is
oak-hickory

at interval along rd.
bet. Memphis & Stanton,
are scattered (though small)
tulip trees & occ. walnut
& W. cherry.

oaks prevail, except
on low alluvial flats,
for which see "east of
Stanton"

At Georgetown College
at Jackson -
grove is of very large
trees: -

white oak - 7	}	10
red oak 1		
Q. stellata 1		
Q. muhl. 1		
hickory - 5		(2 sp)

I am beginning to wonder
if boundary of O-H
is at unconsolidated
sediments?

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July 15

East of Stanton on 70
willow oak

on gum
cypress
red maple
downy poplar
pin oak
? water oak
Q bicolor
h. birch
syc
willow
nyssa

on
flaw of Hatchie R.

E. of Hatchie R. :-
big tulip

Cypress on flood plain
of river at N. margin
of Jackson.

July 16. Jackson, south
Tulip in oak woods
south of Jackson

{ Beech, tulip, white oak
hickory, other oaks etc
Wick, on immediate stream plain
6 mi S. of Jackson on 45
dogwood

Same things 14 mi south

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Chickasaw forest Park
9 mi. west of Henderson

2nd growth oak
with Pine summit
with lots of dogwood

vac. oak (?) spm - 10 ft. ^{at tree}

Stylosanthes vac. star

Agave Sol. odora

4 legume Lonicera long

Chrysopsisgramm. ^{ann. multi} ^{of}

Andr. ^{mar.} ^{Seri. leaf} ^{glom}

Desmodium spp. ^{Dean of}

Q. stellata

Q. dig. Vitis rot

Q. robur. Ascyrum, 2 ft

red maple

hickory

Deep reddish, unconsolidated
deposits wh. erode badly

In Chickasaw
 Coreopsis major all
 around.
 Siphisia

1st sign of rock out-
 crop in deep cut E. of
 Selmer; next cut shows
 none.

Creek E of Adamsville
 cutting gravel
 Cross Tenn. R.

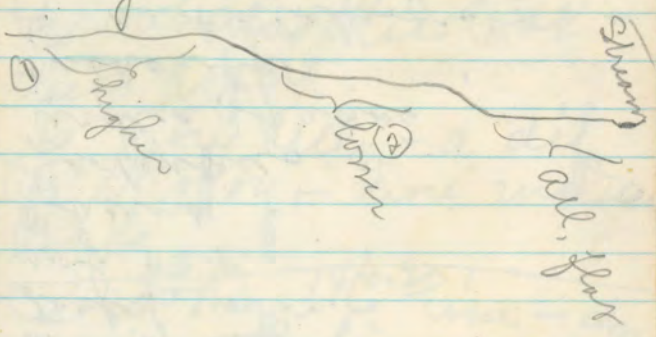
① Just E. of Savannah
 oak woods of old
 trees. Stellata, moss,
 hick, wh. + occ. hick

Lower bar flap: ②

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beech, s. m., winged
 elm, shell bark hick,
 tulip, walnut

Diagram:



N. slope fr. higher level:

beech	chestnut
s. m.	red oak
tulip	wh. oak
cherry	red maple
ash	white pine
Mag macro	hick
walnut	slake

More rock in cut
on the preceding N.
slopes.

at 141.9 mi. 4.3 mi. W. of
Waynesboro
Each floating rock
has aspect of M.M.

Delia on n.w. slope
much beech - on both sides
tulip

wh oak

Cherry

Carpinus

Arctia Penna

hickory

Q. muhlbergii

nysa

red bud

Something obviously
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lumbered off.
massive rock in cuts
Before we cross a
fairly large stream
no longer the oak-
hick. aspect.

Is more hilly - a dif-
type of topog. - more mature
topog.

Cross ^{146.2}Haynes line - above
to before Co. line -
M.M. continues.
next cross Hardon Cr.

Beech goes high on
N. slope. Is also on
S. slope.

Ohio buckeye on p. slope
Basewood on n. slope
= J. heterophylla

oxydendron - on hillside
roadcut in loose
unconsolid. & sandy
material

E. of Magnachora
2d growth has more
variety & considerably
thicker, but is mostly
oak & hick

Rd in to Nat Br.
over typical oak
upland of Ma. ^{Common} ~~type~~
with *Coreopsis*, *Syringa*,
Liatris, *Cyanus*, etc

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Nat. Br.

Limestone valley

5 m.

red elm Carp.
Q. muhl. redbud
ash

butternut

red oak

Q. schum. beech

Citrus or crab

E. of Nat. Br. rd
is ~~mainly~~ on limestone
above ^{above} above
limestone deposits
appear unconsoli-
dated or deeply weathered
or fragmentary. This
has oak upland on
it.

Q. dendron in old
upland.

Have come up on a
plateau of unconsolidated

material w. on it
all no deep ravines,
all wide open,
size (big) }
wh. oak (big) } oaks
yellow oak }
more } hickory
stellata } red maple
black }

red soil - ^{corn land} ~~good~~
also cotton + su. pit.
Plateau for 18 miles

then ravine w. beech
walnut, tulip, e. m.

~~much~~ tulip on slopes
(is getting more dissected)

In Creek bottom - Celtis
(Shoal Cr.)

More oak upland beyond
Lawrenceburg
In some places poorly
drained with w. gum
& willow oak, red m.

Slopes of valley E. of
Lawrenceburg; Richland
Creek.
Beech
e. m.

Crosswood
Q. michx.
tulip
walnut
wh. oak
second growth tulip

Valley has bottoms, straight
& valley slopes

The M. M. appears
to begin just east
of the Tenm. River
where type of topog.
& of underlying rock
changes.

Not continuous but inter-
rupted by broad stretches
of upland "oak-hickory",
which, however, is broken
~~by~~ by ravines which
are M. M.

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July 17

E. of Pulaski on knolls,
lots of dead Chestnut;
beech goes up onto chest.
some oak.

Rocks nr. Pulaski look
like Miss. limestone
some slopes m. red cedar

River E of Fayetteville
& an oak upland, red
soil, corn & cotton fields
Some big oak
^{some} poorly drained places m.
willow oak & spr. gum etc.
not a mature topog.
shallow sink holes.

to mountain which
 is Montpelier
 going up escarp,
 l. sp. returns *Arizonicus*
 red oak
 wh. " "
 Q michl
 S. m.
 walnut
 Cucum
 hick
 tulip
 sw. Buckeye
 Nyssa
 box wood (hetero)
 wh. ash

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	Count from highway
wh. ash 1	1
buckeye ### 1	6
Tilia hetero ## 1	8
Cuc. ### 1	6
hick ##	5
sh. b hick ##	5
red oak ##	9
tulip ## ### ## 1	16
S maple ### 1	6
Nyssa 1	2
wh oak	4
Q michl ### 1	6
	74

all mixed under +
 redced dogwood
 red elm Nyssa
 walnut
 bit acerif
 Polypodium cut leaf

More oak upward

Q. muhlenbergii III

Lilip 11

Q. prinus 1

Nyssa III

bl oak 1

Lookout on isolated
knob of s.s.

Monteagle: -

Up onto top, wh. is
a s.s. plateau -
of the usual oak type
with

wh oak, *Q. stellata*

Q. montana red oak

sc. oaks - *Q. villosa*

hickory - *Q. alba*, *Nyssa*

Q. digi

Q. coccinea
dogwood

Coccoloba major

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Polygala cur. *Eup. rot*
Sol. odor.

Azalea
blac.

Pottsville with pebble

1st *Pinus virginiana* n.e. of Mount
Eagle on 56

Buchnera n.w. of 56 & 108
n. of Coal mount

Large Creek going to
right - (Greendy Co)
Hemlock, & on slopes
of creek mixes with
P. virginiana
magnolia
holly
Kalmia

Pine & pine-oak tops.
yellow pine & P. virginiana

Slope descended on rt 56
all M.M. like we
went up, + lots of
down & some values

Picture 4 is a SW slope
with cliffs at top &
MM slopes.

Hemlock in valley

Came down a NE
(or E exposure)

Valley flat into which we
come - has;

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beech
tulip
white oak
P. m.
hick

Valley floor becomes
wide & strath

Warren Coline - river bank

Dissected strath is MM.
etc. Cedar on few
exposed limestone ledges.
& patches of oak-hick,
on flatter parts. Soil
red.

From Murrell to Spencer
it goes ~~to~~ over lower
peneplain or strath
with its red soil. here
in general fairly well
dissected & with M.M.
though consid. out
hickory on flatter or
gently rolling parts
not farmed.

Then more dissected-
and l.s. outcropping.
M.M. except on exposed
south facing slopes
with butrops; there
cedar (+ sometimes
beech) and in places
much Phormium car.

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Then long rise to
high plateau which
is l.s. most of way
up but s.s. at top.
This is M.M. with the
whole gravel mixture
in which Tilia is
prominent.

July 15

East of Spencer

① East slope	ESE
sh. b. hick. ###	26
tulip ##	31
red oak ##	13
<i>D. montana</i> ##	10
<i>D. alba</i> ##	13
hickory (7ft) ##	10
nyssa	4
bl oak	1
bit ash	2
cucumber ###	7
<i>Ulmus alata</i> ##	5
brakey	1
	123

Dense understory

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Lots of dogwood
 redbud cucumber
 red maple bit ash
 ash *D. montana*
 locust wh. red oak
Aster sh. b. + 7ft
Asplenium Oryz
Nyssa, tulip occasional
 little bracken
 fern
 Under - cont. 2 ph. above
 Podophyllum
Discorea *Calycanthus*
Sedum *Hydrangea*
Panicum *Staph*
Lespedeza *Desmodium*
Brachy? *Desmodium*
Cynoglossum *Sedum*
Smilacina *Polypodium*
Chimaphila *Anemone*
Phegop., *Adiant.* *Penny*
 Looks like a ss ledge
 slope mostly chunks
 1 ft ± across

② Above road - a low cliff

sh. h. hick	###	11	8
wh oak			2
Q sumt	###		5
bl oak			2
tulip			2
red oak			2
locust			2
hick			1
hackberry			1
Ulmus alata			1
cucumber			1
			<hr/>
			27

mostly oak & hick
high on SESE slope

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Cont. slope forest beneath road

Aspl. ff

bloodroot

Desm. parvif

Eleph. ear

Actaea alba

Botrych. var.

Trollius - a sessile fl.

Azalea

What soil & leaf mold there is is dark & mulch type

below rd

③

A convexity in the slope (add to plot count?)

wh. oak	III	5
Q. mont	I	1
tulip		1
Nyssa	I	1
hick. 7 ft		1
red oak		1
cucumber		1
Ulmus alata	II	2
burberry		1

④

A little farther down rd-

red oak	II	2
burberry	III	3
hick 7 ft	III	5
ash	I	1
sh & hick	III	6
Q. mont	III	3

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Nyssa	III	4
Cucumber	III II	7
wh oak	III I	6
hick. glabra		1
bl oak		1
tulip		1
		<hr/>
		40

⑤

Steep ravine - open to SE
 much *Tilia hetero*
 Turn bend around

wh oak	III IIII	
Q. mont	III	
red maple		
red oak	II	walnut 1
s maple	III	ash 1
sh. hick	II	
<i>Tilia hetero</i>	I	
tulip	III	
hick	I	Beech 1

down to limestone

~~Stems from~~
A limestone community
with oaks -
Cedar
Vib. ref.
Gaura from in Ky
Agnone
Sil. leaf

A very steep S. slope
tulip, oaks, + pine

A little lower on south
slope above the tulip forest
much beech

Cane Creek

lots of Rhododendron

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⑥ Valley Forest

Beech III III.

Tulip II

red maple II

hemlock I

Myrica I

Tilia hetero

Under:

magn. macro

witch hazel

Stemata

mt Laurel

Rhod

sur gum

Opuntia

Lower slopes after
 ⑦ rd crosses Cone Creek
 faces west NW

beech	###	12
hick		2
wh oak		4
r maple		1
red oak		1
oak		
ash		1
Nyssa		2
tulip		2
sh b hick		1
maple		
red maple		1
magn. macro		

Looking across lot of
 beech in lower third

Goes up to forest similar

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⑧

a n. nar. flowing gulch -

tulip	###	9
hackberry		2
Lilium hetero	###	8
red oak		2
B. ash		1
walnut		1
sh b hick		4
Nyssa		2
r maple		1
Q mont		1
wh oak		1

Falls Creek Falls -

Goes up into flat
 Stop wh. is oak-pine

<i>D. stellata</i>	var var
maud	Ozales
cac.	

+ typical sandy soil
 plant - *Viola ped. Aster*
Iris verna Sol. odora Monarda

Ceanothus	Polygala curt
Castanea pum	Coreopsis major
	Lentris oak
	Chrys. gram
Pteris	Sarcocolla
Tephrosia	Eup. vert
Euph cor	Psoralea ped
Lespedeza spp	Alcornoque
Baptisia tinctoria	Stylosanthes
	Parthen.

Gentle slopes nearer

gorge: good white oak forest

Edge of cliffs - much pine
 type. like like yarrow

In gorge
 M M with much hemlock

Hemlock	seen from
Tilia heter	above

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luckeye
 tulip + + +

July 19.

Rockford to Knoxville

Valley pineplains (rolling)
are oak

Slopes of rivers or larger
streams putting into
the strath are poor MM
with beech, sugar maple
oak

Mt. slopes rise above
the strath, appear to be
MM only in places.

Does the MM develop
in red soil?

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July 22

Cullasaga Falls

bet. Franklin High Is

High cliffs of massive
gneiss with only lichens
& moss.

Below cliffs: -

Chestnut

Tilia

red oak

ch. oak

hickory

beech (no stream)

Cucumber

Maya (trif) fraseri

tully

hickory

ash

Higher on slopes, more
oaks - *frankii*

"oak-chestnut" with
tulip, wh. pine, oac
Lilia + beech + birch
near streams

Oaks are red, white

varied understory &
herbaceous growth -
much more than at
oak-hickory.

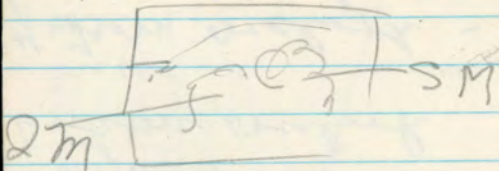
Bridle veil Falls: -

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II.

1. Escarpment of
mt. on mt. is Montezuma
from just east of Cowan

2. North from lookout
road up mt.



valley to left then we
became from Cowan -
Escarpment to right

3. Trees in foreground are 2 mi
E. to left, valley to right
w. small spring of red clay
Looking SW - W

2,743 on way to Montezuma

4. Escarpment from
ft of slope on pt. 56
n. of Beraketa spr-

Coming down a valley
going NW, looking
looks to westerly slope

5. Gorge below Falls Cr. Feb

6 From overlook

7 From overlook - dark
pool at foot -
Banks of structure

July 23

Highlands, N.C.
east on U.S. 64

Unsect forest along rd
is oak-chestnut in its
most luxuriant phase:

chestnut

red oak

red maple

hemlock

(y) birch - near stream

Oxydendron

magn. Fraser - common

wh. oak

hickory

Q. montana

scarlet oak

Cucumber

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much Ericaceae growth:

mt. laurel

Rhododendron

Azalea

Vacc. spp.

dogwood

Galax

passiflora

Clitorea

Amel.

Diervilla

Spiraea

Ceanothus

Hamamelis

Phlox

Silene stellata

Coreopsis major

Angelica inermis

Solidago aff.

Habenaria

Eup. purp.

Hypoxis

Lilium superbum
Euphorbia corollata
Monarda spp.
Pteris
Dryas
Melanthaceae

{ More hemlock & red
maple in ravine }

continued fr. above

Castilleja coccinea
orange Habermaria
Baptisia tinctoria

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In a north-facing (Jackson's)
cove beyond J.C. Hill, near
a Silia, a walnut, &
some tulip, sp. (?) maple

Lower on mt - not
steep, valley like -
more mess with

tulip

hemlock

red maple

Rhus

nyssa

Kalmia

magn. Fraxin

sh

wh. pine

chestnut

red oak

birch

Oxydend

not MM - but not O-ch

Near a stream -
very luxuriant
hemlock
sycamore
red maple
birch
magn fr.
Rhod, etc

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In Brevard
Big oaks etc - *digitata*
Going east from Brevard
valley - rolling, partial
peninsula, red soil

O. digitata
stellata
marshland
red -

Slopes from Caesar's
head - the slopes
down from Blue Ridge
to Piedmont - oaks,
pine, & hickory

Piedmont - oaks
incl willow oak
water-oak in valley
pines: - y. pine, virgin p.
& - ?

Piedmont, rolling land
& red soil but all
the trees, except *vac.*
near houses, are
small

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July 24
Spartanburg, SC., east

Big trees: -

(?) *stellata* wh. oak
digitata
burr oak
willow oak
Hickory
tulip

Second growth: -

pines - (nr Spartanburg)
2 short *red maple* sp
one of wh is *ech.*

D. maril., *stellata*, water
tulip, red maple

Vac. arb., *vac.* *Cassia* *rect*

Tephrosia *biolopodata*

Chromolaena *Baptisia* *tenuta* &

bitis *rot.* *Seric.* *lin*

ser. *Desmodium* *Coreopsis* *major*

along a little stream
walnut
winged elm
scr. gum
white elm
dogwood

on 2.15 in Sumner N. T.

second growth

persimmon

Q stellata

Q maris

yellow pine

P. virgin

loblolly

dogwood

pass

gladstone

tulip

walnut

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Big Trees: -

Hick

Q maris

oigi

stellata

Nyssa

Little piece of woods
with few big trees

D. dily
O stellata
nyssa

Callisepha	Eup, linear
bac. art	hls m off
dogwood	Lespedeza off
oaks rot	Sol. nemor
Rhus cop	Cassia nut
" glabra	Galactea
Lickory	Elephanopus
mullerry	Moringa
Ulmus alata	

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pinus
nyssa
Sassafras
Panicum
Prunus

Broad River

Cottonwood winged elm
bl. willow
r. hick
syc.
sweet gum
then water oak, celtis (small
lvs) ash, winged el
then oaks, & pines
redbud

Chester Co

Sandy R. at edge of
N. F. nr. Jc. 7

Fats w. lots of water oak
& sw. gum

Shrub: -

beech

wh. oak

tulip

pine

3 mi. east of Mansboro
on rt 22

hilly - more pine on top
rains: - melon, cottonwood
water oak, sw gum
r. birch

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slopes :-

larger:

2 dig

wh oak

2 tall

y pine

tulip

red maple

red oak

smaller:

logwood

Ceanothus

redbud

var. of

Carpinus

Celtis

hickory

p. var. *glabra*

water oak

occidentalis

Crot. sp.

bit perf.

tulip

occidentalis

sw gum

wh. oak

melon oak

Helianthus des pler. sp.

Nyssa *lesp.* sp.

Ailanthus *Chenopodium*

Tephrosia 27 (like Comb. Falls?)

vac, arb
Clusia
galster
Pteris rot
Sulphur sp
Cross Vine

Columbia to Sumter
July 25

Waterloo River on C.P.

"hardwood bottoms"
with some cypress
Tupelo, w. oak, ser. gum
Where not so swampy
more white oak, Caspines,
holly and some small
beech.

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Then up to oak-pine

At Sumter - S. edge
on rd to Pinewood,
slight rises are big oaks
with hickory + pine -
D. dig., (maril), Stellata
phellos.

These may be on red soil or
on sandy soil if slightly
above flat fields or flat
woods.

One "hardwood bottoms"
on Pinewood road with
much tulip mixed with
red maple, D. phellos, ser.
gum, Magna glauca
and pines up to oak-hick-pine

Trees of hardwood bottom
① michaux
nigra
bicolor
phellos

ash Hickory broad canopy
ser gum
tulip

Tulip at very beg of
slope.
Dogwood nearly in swamp

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E. of Florence: July 26

Hickory, oak & pine to the
bottom of slope;
holly
flat: L

red maple	Washburnia
ser. gum	stea
	Bambusa
willow bark	
water oak	Grapes only
	everything
holly	
Bay?	
magn. glauca	

As you start up, big beech
is with ser. gum close
to stream (in swamp)

Pre Dec River

Beech (very large) on steep slope (10 ft up)

A beech, pers. gum & a red maple together on side of small gully

{ Very narrow leaf hick in
hardwood flat
(also a not so narrow leaf)

Shrubs of the long leaf
pine swamp includes
Vacc. myrsinites
& pers. spms
(e. of Mullins), marionla

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Gordonia
(Stewartia) at Fairbluff N.C.

at L. Waccamaw.

on bank

red oak

Hackberry

White elm

mulberry

hackberry, narrow leaf &

Q. sig.

Q. stellata

dogwood

walnut

beech 15 ft w. smooth bark
water oak (pear shape)

holly

cedar

loblolly pine

July 27

Washington Creek, Pender Co
north of Burgaw

	###	###	###	###	###	60
beech	###	###	###	###	###	
wh oak	###	###	###	###		23
sw gum	###					Q. nigra
s. maple	###	###	###			15
Carya alba	###	###	###	###	###	26
" pallida	###					walnut
Q. velutina	###					Q. dig. 1
Ilex opaca						ash
Liriodendron	###	###				Gallia
Understory						Carya (alta)
Acer sacch fls						Rapum
Fragaria						Morus rubra
dogwood						Myrica
beech						Symplocos
Oxyd						Myrica sylv
Q. velut						wh oak

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Azalea	Oxyd.
oaks	dogwood
Asarum	s maple
Lesser wood	(A. sacch on fls)
holly	Polyp. leaf
Iron. anem	Stemata pent.
Mitchell	Hamamelis
Smilax	Vitis rot.
Anten	Aren. quercy
Chenopodium	Gallicarpa
peruv	Pedicularis
Agrostis molles	Symplocos
Ran. recurv	Myrica (ascad)
Phegop.	perifera
Polyst	Galium
Bryol veg	Sax
Eleph. card	Ilex glabra
Trust pump	Castanea

Med. fine sand, blackwood
w. humus above - much
like some Hazelwood slopes

Shrub + herb layer core

Lulyphea Celte

Slytray pulvcr

Waldsteinia

Polyp. polyf. m. tr.

Ascomyza p. infl

vac. arb.

General direction - Northwesterly
(but must disperse)

Aspl. ff. - *Wala palma*

Panicum latif. *Paspalum*

Luzula can. p.

Blignonia ericoides

Smilax bona nox

Galium

Sanicula marif.

bit. reflex.

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Aralia spinosa

Chenanthus *Sonchus sp.*

Urtica aest. *Hexalutris*

White oak draped with Scleranthus
this tree prominent as pines
where light is plunging

(*Q. alba pennatifida*)

Where there has been some
dist., more oak + hick

Greater dists. - pines

latter tops have been
cut over but still
there are young hick
with spruce
2m or 3m

~~wood~~ ~~take~~ ~~up~~ ~~outside~~
 tube wrapped in paper & put
 up to big - (Union Co)
 Cardiacle

tube in Pyr. & Guss. thin stone
 sorts no. ~~Galton~~ Freeman,
 Columbus Co
 Pitcher plants here too

Unus Hyrap - DeDeo