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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.

PERFECTION
Note Book

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R-808

29

E. LUCY BRAUN

SALEM PIKE, MT. WASHINGTON

R. R. 13, BOX 41C

CINCINNATI 30, OHIO

(29)

- Aug. 22. Westminster Md.
Serpentine Basin at Thurmont
- Aug. 23. W. to Front Royal
(Catoctin; gr. valley & also)
- Aug. 24. Front Royal -
Piedmont circle to
Warrenton & Culpepper
- Aug. 25. Piedmont circle to Freder-
icksburg
- Aug. 26. Skyline Drive (me)

Aug. 28. En route,
Lexington, Va., West.

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Aug 22

Serpentine Mounds
in Reisterstown, Md.
S of Westminster

Andr. scop. - general^{dom.}
Sorghastrum - in dense
patches

Polygonum ^{terrestris}
Linum ^{umbrosum}

Asclepiodora
Liatris

Arabis lyrata
Polygala isopych
Panicum sp
Urtica sag.
Hypericum Sarothra
guttanoides

C. arvense villosum

Endemic? *Cerastium*

Stone-plant sedge - *Silene*
not high

Aster (small?) or depaup.

Senecio - *pyramidalis*

Cassia *chamaecrista*

Scattered *D. marit.*

Oenothera (*knuffii*) -

scattered *f. v. m.*

Solidago *nem.*

Sabalina

Talium

Grasses of *D. marit.*

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clay, with

Synilax glauca

Gaylussacia in

blackish grass

Eragrostis canadensis

more trees (but some)

in prairie

In shrubs - sparse

and stand

Sanguinaria on bank

& in moist part of

barrens

Euph. no white

Strophostyles umbellata
(not helms)

Gerunda

Returning from Highway

Oak woods adj. to
barrens

Shallow pine & slopes

wh oak red maple

sc. oak

bl oak

chestnut-slender

Smaller -

wh oak vac. vac.

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Nyssa

Azalea

Chestnut

Pine

red maple

dogwood

Desm. nudifl.

Ash

Chenopodium

Corydalis

Houstonia

Prenanthes

Panicum

vt. dent. grass

Kalmia

Benzoin same

oak woods

generally same

type regardless

of location

Just n. of Westminster
n. slope of Parry's Ridge
Tramp hollow

wh. oak
~~red oak~~

2. nut
Carya glabra

hulph
red maple

cherry

chestnut

wh. ash
a beech at ft slope
Carpinus on creek bank

loss of Benzoin

Cornus

Hamamelis

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Smilacina Blandford

Arsenicum atro

Hesperis

Cryptotaenia

Stellaria pubera

Claytonia

Solidago cune

Ant. plant but large

Tryphium

Amphicarpus Podophyllum

Panicum leaf P. l. c.

Cercaria l. c.

Polystichum

P.M., Aug 22

Shurmont.

east
 A slope -
 beech -
 cherry tree
 ash
 wh oak
 tulip
 nysse
 red oak

Logwood
 Carpinus
 well
 slope
 rd

Sampson

Hazel
 Hamam
 vit acerif
 s. maple
 sh. b. hick

Osm. Clay
 Polyst
 Aster des
 Botrych veg

beech
 magn acum
 Ansaema
 cornus alt
 Pyrola sp
 Epipactis
 Geran. ma
 Aralia rac
 Anaphal
 Anemone
 Uoul. perf

Phedopt. hep
 Asp rh
 Anemifera
 Hepatica
 Chimaphila
 Adiantum
 Hesper. nudif
 Collinsia
 Solidago
 Smilax

A forest soil -
 gray-brown

Around on toward S slope
 appears to be more wh oak beech

Flat-

beech
wh oak
red maple
nyssa
S maple

	Sen. aureus
Magnolia	Sol. leaf
Chp	Aster det
	Ficella
Mitchella	Brodiae rose
Benzoin	Hepatic
P. bay	Anemone
Azalea	Polystichum

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elm
beech
red maple
S maple
frum
bluets

Lower mountain
hemlock & beech
S beech - - -
big dead chestnut

Just near edge of
town; larger trees -
red oak pine, y. plate
tulip red elm
beech small sugar maple
hemlock
chestnut

Aug. 23

Westminster - Braddock Hs

- Middleton - Harpers Ferry

- Berryville - Winchester - Front Royal

Nothing seen on Catawba

S. on 17 from Middleton -

cross a creek which

is undercutting its

bank (rock), below Harris. pen.

beech

tulip

Lilia

nysa

red oak

ash

sugar maple

Floodplain is

box elder, wh elm, syc

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at bank on higher flats

Tulip trees seen on

Blue Ridge slopes

Harpers Ferry Charles Town

US 340

Berryville - on va 12

Three Charles Town ^{W Va.} on

340, & on 340 in

great Val. An almost

pure stand of old white

oak, more black

oak in second growth

White oak stands also

at Rippon

about 2 ms.

On Va. 12th N. of Berryville
 a fine piece of white oak
 more millett. undergr.

White oak	###	###	###	###	###	###	###
	###	###	###	###	###	###	###
	###	###	###	###	###	###	###
walnut							
hackberry	###	###	###	###	###	###	###
<i>alba</i>							
Q. michx.	1						
bl oak	###	###					
mulberry							
ash							
red elm							
red oak							
Carya cord	###	###					
Nisso							

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Carya - 7 ft - big bud round
 but smooth - *alba*?

Small	p. very
red elm	on creeper
dogwood	vites
hackberry	Celastrus
mulberry	vit. prunif
white oak	
ash	Desmod. ^{mudif} _{pan can}
Celastrus	Amphicarp
red bud	Arumifera
Crataegus	Houtt. long
W. plum	Lys. quib
Sassa	Aster labre

bl oak	Asterifolius
Walnut	Scrophmaria
red oak	Agast. rep.
Alto yong	Euphorbia
Nyssa	Camp. anez
Rhus	Cercocarpus
	Arisaema ^{atror}
Rubus	Polygonum
" blk	Botrych oblong
bites off	Cynoglossum
"	Smilax herb
	Solidago
	Geum
	Asil phyt
	Dryopteris

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The largest trees
(3 ft ±) are rather
widely spaced &
others not so large
well scattered or some-
what grouped.

Smaller trees & saplings
are dense, with Cornus
florida the dom. sp.
Red elm rather abund.

A piece of dark rock
from this place.



To Winchester -
Nearing Winchester,
some hilly area &
some eroded slopes.
Shaly to thicker rock,
which is dark reddish
in color.

Poor oak & oak-pine
woods - of black, white
oak & P. virg. with
some succulent plants

From Winchester
toward Front Royal, -
the oak, oak-pine &
pine stands cont. for
some distance.

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Then, some barren
looking slopes (white
l. s. projecting) have
scattered red cedar.

Here occ. scattered
big white oaks suggest
the orig. dom. of a white
oak type.

Approaching Shenandoah
R., land becomes hilly
with considerable woods
(not in road)

Aug. 24

Front Royal - Washington
- Sperryville - Culpeper
- Warrenton - Front Royal

On 522, along Blue
Ridge - all road,
lots of locust & sass.
& in places young oak.
Tulip abundant, esp
in coves.

Locally, areas of
Andr. with P. virg, etc
(Serpentine?)

On 211 + 522 S. of Wash. -
local pin oak ^{with red maple}
going up at once to

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scarlet, bl. & wh. oak.

Through the whole
area, wh. can be called
"Blue Ridge foothills" only
the occasional old white
oak, bl. oak, and tulip
tree give any clue to
the nature of the orig. forest
cover (do ~~oak~~).

At Sperryville, turn
S.E. on 522. At first
very hilly & almost
mountainous, & very as
stated above. Then
becoming less hilly
but still decidedly
hilly, & land not

good agr., used
by kind of houses &
small amt of fertilizer
-
Tenn.

More P. virg.

In Culpaper Co -
forest appears much
more pine.

A fairly old stand
is P. virg.

P. - *ulif*

Q. stellata?

Q. dug

Q. coc.

velutina

alba

nipponensis

strobilifera

Looks like this may
be an out-stand of
the Inner Piedmont

Another area in which
there was considerable
chestnut oak, had
a dif. ground with
Vaccinium, *Lepidosperma*,
Baptisia thick.

There are practically
pure stands of pine

Red maple in some places

21 growths oak area
scarlet oak
Chestnut oak
white oak
black oak
nyssa
small red maple
dogwood
ground hugging Vacc,
& Gayl. - Solidago
bicolor, Baptisia

River bank at Culpeper
Appearance changes
about Culpeper

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Joshua Culpeper
on 15 15 4 29
P. very - Audubon
Longhorn area
Much less relief

A ^{big} willow oak near
Brandy

Land utilization
apparently mostly cattle
(hay).

Low area ^{near} ~~near~~
Rappahannock R.

Yellow oak, red maple
pin oak - - oaks
sweet gum

Go up to higher area
with

Q. marilandica

Q. phellos

Pitch pine & broag. pine
just before Jackson Co
& Rap. R

Tinpot Cr. - honey
locust on flats

Rather flat area -

Q. phellos

Q. black

Q. alba

Q. serotina

with a
humid
dry. ad.

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Logan

Chinquapi (Custance)

saw.

history

Q. stellata

Tulip

P. virgin.

Rhus ~~copallina~~ copallina
red maple

Q. marilandica

North is Warrenton

leaving Warrenton

turn into a very

hilly belt along (17) (15)

This hilly belt appears

to be all

deciduous, oaks
& tulip, dogwood

on the shore of
to Marshall

white oak
black "
scarlet oak
nyssa
black oak
Viburnum fennii

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Aug 25.

1.9 mi S of Delaplane
on 55417

wh oak - bl, oak wood
+ red maple, tulip, nyssa

under:	nyssa, am?
dogwood	pr. my
bl oak	Prunella
red maple	Prunella
nyssa	bl. pruned
w. cherry	fl. v. v. v.
Coryna alba	Eupatorium
myrtle	var. v. v.
Lepidogobol	Quercus
Cassia rich	Azalea
Amphicarp	Amphicarp
Arceuthobium	Hesperis matronalis
Arceuthobium	Arceuthobium
Arceuthobium	Quercus

Baptisia and
Vicia ped
Sol. caesi

On cut off beyond the arable
woods similar to last,
black very more,
abundant than white
dark.

S. of Warrenton
Jan 15-17

A flesh-wood woods
has red and a little
leaf hickory, snail,
dogwood also

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On 17, E. of US 15
Cross some wet flats
w. pin oaks

Old fields w. *persimmon*
& *anda* & *mandarin* ^{Cupress}
Mikania scandens ^{Soc. Pinn}

Rosa palustris
Cephalanthus
Helenium cut

1 *Helianthus* - yellow and
w. red and

Slight rise to scrub pine
old field, then
pink, *D. maril.* & still
persimmon
mandarin ^{pop}
Liatris scariosa & *gram*

Lespedeza ~~very~~
 Geranium
 Speranthes
 Also in old field pine
 comm: - *D. phellos*,
Hyp. prol., *D. alba*
~~*Hyp. prol.*~~ *Rosa*
Senecio balsamifera
Eup. alt. ^{Asal. vert.}
 There ~~seem~~ ^{are} to be 2 spots
 needle pine, the
 other a little larger
 or 3 needles

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After Morraville,
Stancie pine to
 pine-oak stand

Cross a low spot -
 sweet gum, pin oak
 or some pine - *Pongt*
D. phellos *P. ech*
 (or *lobell?*)

Then drier, more pine
 but other sp also
 Under - dogwood
 gum, *vic. stan*
whorl, *D. phellos*, *Quinbr*
Vib prunif *D. marie*

Lespedeza repens
Spylosaurea
Onyropsis mar
Euph. narrow like Torrey
Baptisia

(pine cone - 3 needles,
from resin ducts

one of these low
places had big tulip
& red maple with
the small sev. gum-pine.

Enter Stafford Co.

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Soil has become
sandy in places.

The low places are pine
gum (sometimes large
trees) & grade upward
into oak & oak-pine

Aster divaricatus
Silphium trifoliatum
Coreopsis tripteris
Andropogon furcatus

Some of the meadows in
the Barrens, with their
scattered sparsely of glaucous
& port oaks, are (except for
the absence of pine) strongly

suggestive of the old
fields of the outer
Piedmonts (seen on
Va 17 bet. Morrisville
& Fredericksburg)

The abundance of
Eup. (var. *var. Torreyana*)
in both & the presence
of a number of other
sp. common to both -
emphasize the proximity
Did the C.P. sp. of
the Barrens come
north from the C.P. of
Ala & Miss on the
Miss Emb., then

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spread onto the Miss
plateau in Ky?

Road cut cuts ^{Cretaceous} C.P.
sediment - ^{lower} gravels
with sand below.
The rd goes down hill
This slope cut by
wooded pines
with

whorl ^{block}
& stellate

I most or much?
Carya alba
P. virginiana
beech!
tulip

Has Kalmia
Azalea
Paeonia
Asarum very
gay
Orbucery
Chimaphila

This ravine was at
outskirts of Fredericks-
burg & goes down to
Rappahannock R.

Returning on (3)
Walnut is scattered in
open places, but none

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not seen them in
any woods

Oak woods -

has Kalmia & Pae
& gay: gradual
slope to small stream
w. river bank
extensive " hollows
sandy low flats of
sw. gum (sump pine)
oak, red maple &
Oak-pine ^{maril.}
gay, Pae, Azalea
Pyrus melanoc.
Kalmia dog

Other spp seen as we
go along -
Ceanothus
Helianthus, dark center
rim to be taller than
Coreopsis
Pteris
Chrysopsis
Rhus cop, common

(Flat River; near bench
dominant)

Eupatorium
Lidum squarrosa

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Flora of some oak-pine
areas richer than
others

Banks (steep) of
Rapidan River
(n.w. slope, east side
of river at bridge on B)
Large beech (mostly leaf)
with bushes are
red maple
riverbank on slope
or cherry
bl oak
tulip

mostly
maple

Understory Yates

beech

red maple

nyssa

r. birch

sh. oak

Carpinus

dogwood

tulip

ash

beech sp. or beech
attached

beech w. dry fronds
from tree.

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Enter Culepe at
w. end of bridge

Pinus on west side,
going toward river
hard beech, even
well just gradual
slope near top of
hill

Beech (here not large) ^{some of both}
sh. oak (same size)
sh. oak

Smaller
dogwood Amel
nyssa tulip

red maple *Chamaelirium*
Kalmia
Vacc. vac.
Hesperis, laev.
Desm. nellyi

a rather duffy
humus, red
yellow-brown soil

goes up to pine &
pine-oak
(beech & pine & pure
beech)

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Oak-pine above beech-

Gayl
Rob.

Kalmia

Tephrosia

Aster linearef

Hesperis

Baphisac tinctor

Hyp. ped.

Lespedeza spp.

Liriodelphix lucta

chestnut oak in the
pines

Shenandoah Nat. Park.
Aug 26

2nd Shen. Overlook

N. W. slope -

red oak, tulip, Tilia

Carya cord., glab.

Q. mont Hydrangea

red elm Eupur

dogwood D. fern

Ostrya

walnut

at Low Gap, much
tulip, ^{repeated} ~~repeated~~ ⁱⁿ the Cove
below.

Big white oak; hickory
red oak, Tilia &
Q. montana etc, on

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an east slope just
W. of Jenkins Gap -

A windswept knob at
Jenkins gap 2350 ft
is nearly chestnut oak

W. scattered P. pungens
above is
(North of Hograillon Falls
overlook)

a rockslide is mostly
birch with red oak,

Q. montana & Koluna
(on north slope)

adjacent is red oak -
Tilia

Step into woods N.W.
slope - (primary)

<u>Red oak</u>	Red oak
Chestnut	Chestnut
	Birch
	Ash
	Yew
	Ostrya

Helianthus	Hydrangea
Euph. purp; vertic	Sorbus
Thasp. barb	Vib. acerif
Arum	
Ginger	
Indigo	Bloodroot
Aster div	Galium long
Sol. caesia	Silene stell
Cimicifuga	

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Thelyp. p. soft	Adiantum
Hydro. virg	Aspl. fl.
Aster macro	Asp. mary
Medeola	
Utricularia perf	Arisaema
Aralia nudic	Osmunda
Viola can	Saportia
Polypogon. bifl	Aralia pas
Smilacina	Lythrum
Oxalis	
Smilax herb	
Galea trif	
Acer penn.	

→ north
Grown on East slope of
some white oak - red oak
Cove to Harrow Hollow

Hogback Mt
is 3385⁰

A S.W. slope ^{at top}
young sandstone red oak
on mudstone, concretely
Eucalyptus ^{dense} layer of
Kalmia Series, aster
Azalea Solidago
Gaylussacia Baptisia
Vaccinium Gelsemium
chestnut ^{slam} } few, with in stone
white oak } red oak
Viola fimbriata
Geophytes

Here are few

Rd cuts - spp of Solidago
Camp. div., Thornton

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NW Concauty, white
pine with oaks at
Elk Wallow Gap

Jeremy's Run Overlook
D. vana

Pass Thornton gap at 277.

A steep N. facing concrety
has much Tilia w. & red oak
Also some birch, & some white pine
Hazel Mt. Overlook - 277 -
much D. mont. on knolls
& S. slope concrety, where
rock is massive rock

lots of oak, oak w. & red
bet Pennades Overlook

Jenell Hollow overlook
 (elev 3320 at T. D.)
 at Hemlock Spring,
 elev. 3380, heads of
 valleys, e. & n. slopes,
 much hemlock w. &
 red oak

Smaller stuff - red oak,
 red maple, chestnut,
~~white~~ birch
 Hemlock was low
 down as we entered
 yesterday & is high
 up on rocky slopes

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Large trees - in N.E.
 concavity:
 Red oak ###||| Small
 ash. ### red oak
 Siliqua ### s maple
 S maple ###||| birch
 birch ||| Acer (penn
 spec)
 Siliqua
 Ostrya
 ash

This core bordered by hemlock
 Aster div. Hymenoclea
 Sol. lily curt. Corylus
 Emp. str. Rubus str.
 Columbine Hydrogen
 Ger. me. Aspl. acrost
 Thasp. barb. Arisaema stro
 Anemone

Then on convexity
changed to red oak -
Chestnut oak

Rocks at Crescent Falls
3550°
Fir trees on + near top
Potentilla tridentata, + a host of
Raiden trees of the
rocky crest are red oak,
ash, birch, Tilia
shrubs are Opulaster,
Kalina, Rubus odor, ^{vir.} spic
Sedum, Humulus

Flat saddle at foot of
Herkshill rock ledge.

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white oak with the
fir

"great meadows" were
lots of big Chestnut

Step into: -

A west slope wood
red oak & Smaller -
ch oak red oak
birch ch oak
chestnut chestnut
wh. pine birch

wh. pine
Carya ulmifolia
Azalea frut. buter
a low Spiran
Vib. vib. Gayl
Kalina Vib. acerif

Large amounts

Camp. dir. - scattered + not

Hieracium pa

Amphispiza

Sol. sp. - wet

Zygadenus?

Dasyat laev

Pedicularis can

Gillenia luf

Arnica long

Aster palens

Hemus intermedia

This was S. of Lewis Mt.

+ n. of The Oaks, 3125 ft

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Swift Run Gap

much tulip, several

of large + a NYSA

Pass Balm tree

Almost a north slope

one -

big tulip

Tilia

ash

ch oak

red oak

Nyssa

Carya alba

bush

linden -

red oak

ash

red maple

Tilia

Amel

tulip

Acer penn

Hammon

Cornus alt

Rosa sp

Rubus
Ribes

Eup. vert
 " purp
 Aster div
 Lappula
 Botrychium
 Osmorhiza
 C. multifida
 y. v. l. s.
 Stellaria pulch.
 Arisaema atr.
 App. mary
 Amphisp.
 Elsenia
 Anemone
 Sol. caesi. & latif.

Peckera
 vib. acerif.
 p. v. v. y.
 Aralia nudicaulis
 Pilea pum.
 Ardea rac.
 Aquilegia
 Adiantum
 Blodronia
 Polystichum
 Ranunculus
 P. recurv.
 Thymus

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Thraspium barb.
 viciae
 Polygonum can.
 Sedum sp. (?)
 Good mull -
 but rock
 Cryptotaena
 Circaea lut.
 This core - at
 side is a rocky
 ch. v. ob. slope
 this at Rocky Mount
 over 24500

Next cove had a
shell bark hick.

Coming down on 250,
very much tulip.

Otherwise appears to
be about the same.

Cumula on cut &
edge of woods just before
get 250.

~~In the valley~~ - Aug 26

In the valley, on 12, south
of Waynesboro, White Oak woods.

Where there are low hills,
wh. oak, bl. oak (or red oak?) Hickory.

Scrub pine with secondary oaks
in some places.

Monday, Aug. 27.

En Route, Va. to Cin

S. of Steele Tavern (on U.S. 11)
wh. oak; hills have tulip with
the white oak

Red cedar, 4 mi. n. of Lex.

west from Lexington on U.S. 60

Beech - 3 mi. w. of Lex on
ravine slopes below Harris-
burg level.

- 8 mi. W. of Lex - beech extends higher on east slope, tho' perhaps still below Harris's penep. level (on left)
- 10 mi. (on right) - oaks, tulip, sugar maple ++ red bud (l. s.)
- 14 +. Crossed ridge, North Mt.
- At 22 mi., mostly oak with pine, & tulip in covea
Ravines in valley below ^(ages of 17. mi) had beech; valley starts upright away.
- 19 mi. down slope on 2nd ridge; lots of white pine.
- 19.7 - 20.7. Deep ravine with big hemlocks, tulip, oaks, red maple, beech.

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(very pretty)

[Lucy Selina Inn, at 23 mi. "Tourists" in a beautiful place]

- 28 mi. - cucumber tree
- 29.9 Oakdale Tourist Home + Cabins (smoky cut woods)
- 33 - Clifton Forge
- 45 - Covington
- 50 - Campanula dioaricata plants
- 53 - buckeye on east slope
- 55 - Tilia, very noticeably white
- 56 - Oxydendrum
also hemlock, wh. pine, beech, tulip, wh. oak, walnut, myssa, red elm, buckeye, dogwood, sugar maple, ash, Tilia hetero., red oak.

This continues

and M.M. features are
again evident.

Much dead chestnut
on steep slopes of valley
open to south

Near East Rainelle,
creek valley flats with
hemlock + beech ++ Rhodod.

Climbing out of Rainelle
good cut-over M.M.

"Travelers Lunch" at east
edge of Gauley Bridge