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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.

Herald Square



KENTUCKY



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✓ 2232

25

3

Memorandum
Book

F-211

E. LUCY BRAUN
2702 MAY ST.
CINCINNATI, O.

1932

May 22. Mt. above Prestonsburg.
Pikeville-Jenkins

23. Big Black Mt.

24. Appalachia - Pikeville
Notes on west side of Black Mt.
Parr Fork; Pine Mt., e. + w.

25. Magoffin Co.
Menifee Co.

V-22-32

Mt. above Prestonbury, W

U.S. 23

Floyd Co.

White oak.

scarlet oak

Chestnut (dead exc. young)

Q. marylandica

red maple

Chestnut oak - *prinus*

Pinus esp.

Hickory - *v. rubra* + *glabra*

Quercus rubra

Under story

same + *Q. stellata*

beech

Dryden d

dogwood

Arbut.

Mt. Laurel on rocks
butchazel
Aunill
Coccoloba major
Hibisc. marianum
Viburnum pedunculatum
Desmodium
Aster sp. - patens
Houstonia longifolia
Azalea
Vine creeper
Vaccinium vacillans
" " stan
Tephrosia
Smilax brownii
Festuca octiflora
Sarcocarpus asperifolius
Ascyrum
Lespedeza sp

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Juniperus deppeana
Fire pink
Pentst. canescens

Antennaria
Gillenia stipitata

~~Sandstone outcrop
along west slopes
Pines most abundant~~

Ridge - much like "Oak Ridge"
but some pines

Some oak-blueberry type

Picture
#1 General view north

V-22

Pikeville - Jenkins

Mixed forest prevail.
beech independent of
direction of slope.
Beech, hickory, basswood,
tulip prominent

Hemlock only low on slopes

va - Pencil gap to App.
mixed forest & cove types
Oak ridges or breads
Cove type - Hemlock &
Magn. & Rhod. prom.

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May 23 -

Summit of Big Black Mt

Alt: (see notes of Oct. 1931)

Anemone ~~franca~~ trifoliata
Cypripedium pubescens
acaule

TREE SIZE - no cumquat, but ^{anywhere} 9 ft

Sugar maple { 8 ft 4 circ

Birch { 6 ft ; 7 1/2 ft

{ 8 ft
{ 10 ft 2

Ht from fallen tree, 100 ft,
4 ft. circ.

Magn. acuminata - 7 ft

Chestnut - 10 ft

Ash - 11 ft; 70 ft to first branch
100 ft to big branches, then 6 ft circ

Tilia - center trunk - 10 1/2

Herbs

Spring aspect -
many flowers -

- Geranium very abund
- Buttercup
- Stellaria pulcherrima
- Pedicularis can.
- Lilium grande
- Thaspium purple
- Magnolia
- Anemone green
- Urtica pauciflora
- V. violet - V. crocacea
- Viola blanda
- Viola-like pap
- Viola - blue, stems
- Cypripedium pubescens
- acaule

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- Smilacina
- Cornifolia
- Asplenium lanug
- Asclepias physalis
- Thalictrum divar
- Ran. hispidus common
- Hentaria lacini
- Ran. recurv.
- " abortiv.
- Jack
- Medeola
- Sedum
- Viola canadensis
- Aralia racemosa
- Viola - pale yellow acaul
- Euphorbia ^{stundifolia}
- Lilium erectum (true)
- Caulophyllum
- Cimicifuga
- Bloodroot

Shrubs

Pyrolaria
Acer spicatum Penn
Vaccinium tall, spher
Azalea heterocumb.
Hydrangea
Rubus allegh
Sambucus racem
Ilex monticola
Mullein
Orataegus

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Ferns

Polystichum
Aspid marginate
sp. ~~puberula~~
Osmunda clayt
circa
Aspl across
filix foem
asp. novella

Herbs cont

Hydr. virg.
~~Streptopus~~ ~~roseus~~? pink
 Viola hastata
 Clintonia
 Viola pap
 Painted Gutter (~~at~~ high rocks)
 Potentilla can.
 Fragaria

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On rocks

Selagin
 Pteridium
 Polypodium
 Polygonatum

In "Clements" picture
to left on SW slope

Chestnuts & oak
Cucumber

Understory of
chestnuts &
oaks etc

4 much herbs - as
Agrostis lutea
oaks tall
oaks tall

no low herbs

Herb

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ferns, geraniums
violets

Painted tulleas vis by
rocks, & among oaks
Cism. Soil more sandy

Magnolia acuminata
mixes with chestnut.

Birch prom. in transition

Some small birch with
chestnut in saddles

Populus more abund
in saddles where maple
comes in

Descent from Saddle
beyond "Big Rocks".

Picture 4 & 5

Mixed meso. forest
comes to crest, though
chestnut is in shade

Chestnut

red maple (only on top)

Cucumber

sugar maple

Buckeye

Birch

Cucumber, 7 ft

Tilia

Beech

Chestnut, 10 ft

Ash - 2 kinds Red only

Big ash prob. hilt. max. 40 ft

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100 ft big branches, here

Under

left side

(down, but sprouts
at base)

Red maple

striped maple - *asperum*

Populus

Tilia

Rubus

Sambucus

Beech

Sugar maple

Birch

Basewood

Buckeye

Cornus alternate

Cherry

Amel.

~~Aspid. spines~~

~~Emp. pallida~~

Yucca

Aristotoloba

Bartramia
10' 1/2 ft

Herbs +

The more meso. of
those listed for summit
in ~~the~~ ~~list~~

Medeola

Stellaria

Actaea

Asp. novebor

~~Myrica~~

Tea-bell

Viola blanda

Hydr. virgin

Plantagin

Squirrel corn

Erythra Amer

Smilacina

Hepatica acuta

L. grandis

Asph. macrost

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Sweet Cicely, smooth

Viola canadensis

"Pink bells", Streptopus

Aspid. spem

Impatiens pal

Allium vesic

Melanthaceae - spike

nettle - Urtica

Asporium

Plantagin. deplylla

Primula (in card as fistulosa)

G. violet - b. erocarp

Sollersonia

Asarum canadense, var

Anemone purp

Mitella

Lake Desporium -

Tree branches above
about 50% lichen covered
esp. Usnea barbata -

Springy rain head

Mosses

Zygadenus

Chelone

Carex

Solidago sp

In ravine - densely
moss covered logs
rich flower gardens

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of Scarella, Viola blanda
star-eyed chubwood

(Big umbellifer (Aug. spec)
Blue violets, prof. Cypripedium
Opalis acetosella

Less buckeye & more
boxwood as we go down

more beech, as we go down

Mt Brook

Sax. micranthedept
esp. prominent

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Ascending West slope

Buck - only below
basswood
Chestnut
S. maple
Cucumber

less moss aspect
but still moss
Cinnicifera
Linnella

Darkspur moss (trunc)
Helianthus micro
Orchis spectabilis
Adiantum
more Trillium grand
less moss wet areas
Pezomachus

In general, app, is
short of one of our
mixed woods -
+ much same as
summit where not
all chestnut

Birch absent except
at bottom
mostly sugar maple +
hickory
Y, cypress → up

Clintonia umbellata
Thal. dioica
Thasium aurigatum atrop.
The barberry
bloodroot

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Hesperis
+ simple plant

Arnicifera

Geranium

Aralia racemosa
Urtica - orange yellow
small leaves, on large
leaves

Pyrola

Aspl. acrost.

Pichis spectabilis

Medeola

banks of quaker house
in west side

Viburnum acerif.

Higher forest
changes to

Chestnut &

occ. basswood &

cucumber

birch on rocks, but not large
occ. + Azalea appear in

understory

soil sandy & rocky

Magnolia present

nut laurel

Hicksonia

"Rock Ridge"

Along crest of ridge

sandstone outcrops

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below hot in west sun
at 50' climb

Hicksonia

nut laurel

Rhod. on rocks

Gynophora

Hicksonia

On crest a beech tree

& several small

(not large bushes)

When ridge gets flatter
dense 30-4 ft tangle
of shrubs

base. spp. Junco

Azalea

red maple nysa

nut laurel

Adiantum

Chestnut
chestnut oak
Magn. acun.

Trees are
Chestnut
chestnut p
chestnut oak
Magn. acun

Pedicularis
painted trillium
Oxalis
Coreopsis major

Trees

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Chestnut
chestnut oak
Magn. acun
occ. a beech

Suddenly a change &
dense shrubs drop out
A soil change? s.s.?

Forest canopy same, but
now a herb. layer (instead of ^{shrubs})

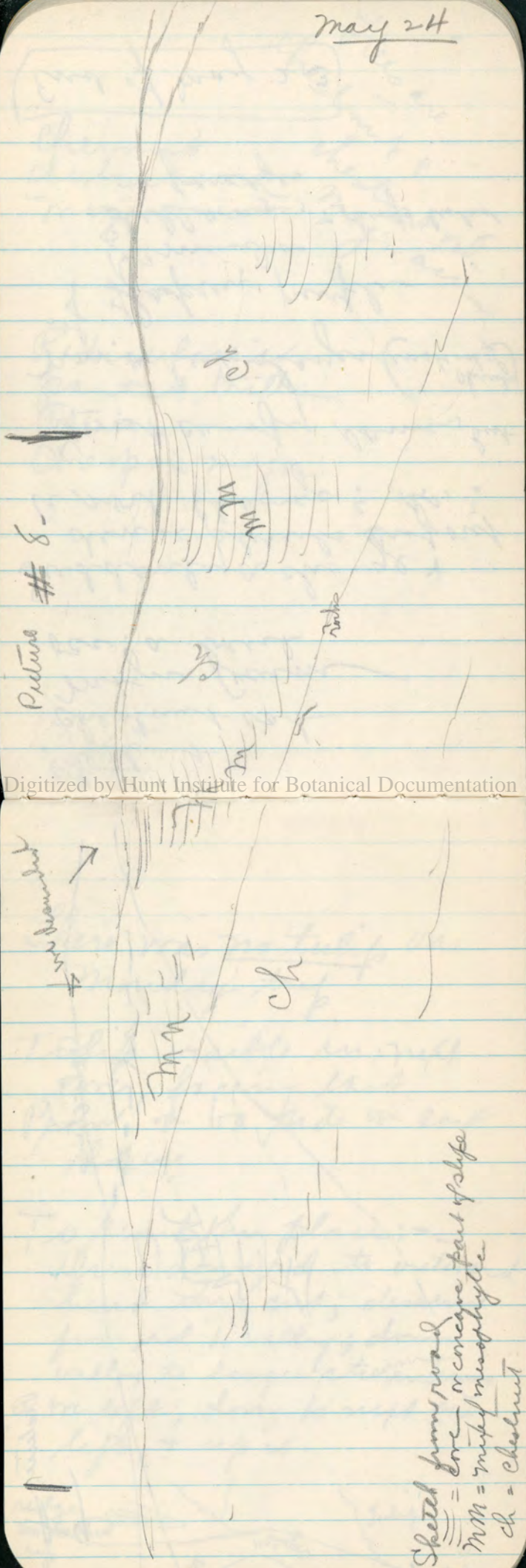
Thapsus purple

Osmunda

Sclerocarya, & things listed
for redges

End of May 23

May 24



Picture # 8-

Rocks

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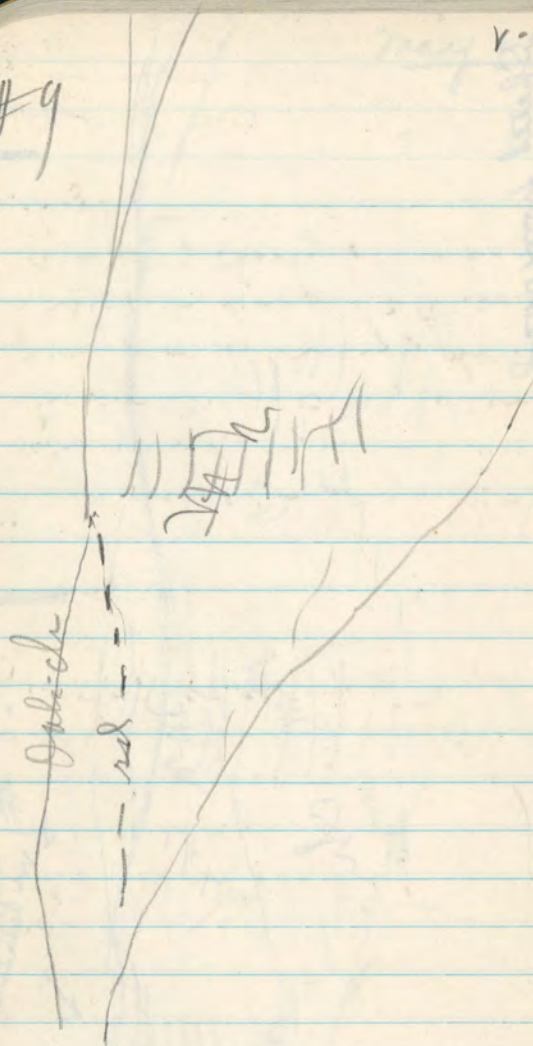
fence boundary →

ch

MM

Sketch from road
 c = cortex or concave part of slice
 MM = mixed mesophyll
 ch = chlorenchym

Picture #9

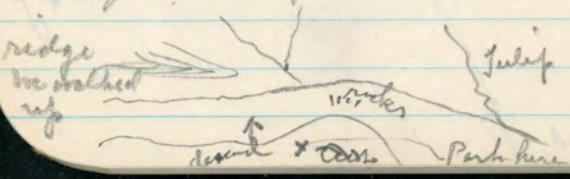


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There was no tulip on Monday's trip.

Tulip visible in next error, facing last Prom! on Va. side on east slopes.

To reach this place: - Drive down rd to outerward bend where cut; descend from rd to valley; down valley to larger stream entering on left; down to next on left, + up it.



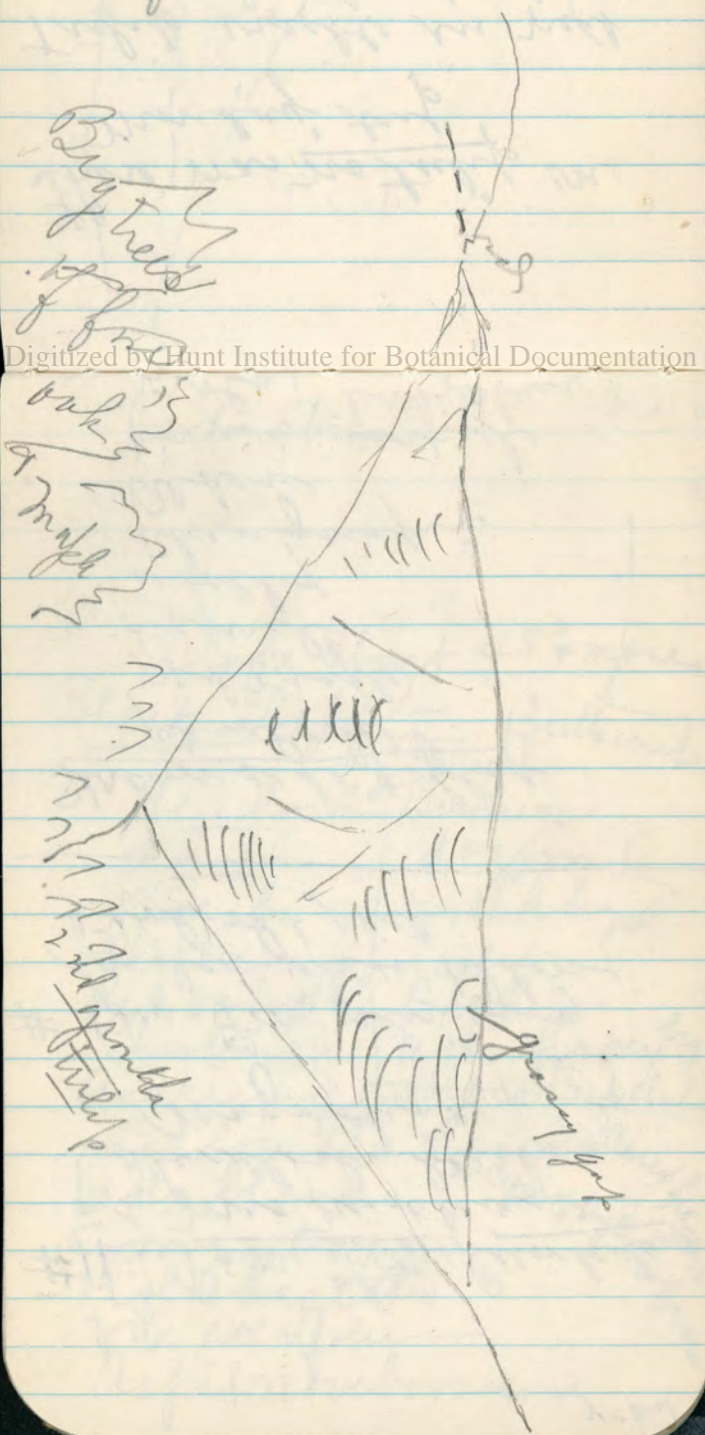
Lower:-

where house is in valley,
small clearing; & around
it a 2nd growth pure
stand tall on slopes
bordering

#10

Looking SW into

valley



#11. Poor Lake, Cumberland
at Mrs Mullens
Hendloch, beech
magnolia

#12. From swinging
bridge just below
Pine mt rise.

Streamside & flat

- penlock
- red maple
- Rumex
- Holly
- Chingquapin
- Alder
- Honest. serpyll

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Viola striata

Slope about 45° + more
Steep slopes - Butternut

- | | |
|-----------------|---------------|
| Hemlock | Buckeye |
| Rhod. | dogwood |
| Beech | witch hazel |
| Alnus | July |
| Red oak, 10' 8" | Oxal |
| Chesnut | Magn. fraseri |
| Acacmia | trifolium |
- next door to a Carex = Carex fraseri
or Cymopteryllus fraseri
- Viola blanda
 - Arum, every
 - Viola hastata
 - Vib. acerifolia
 - Aspid. noveboracense

- Adiantum
- Phegopteris
- Circaea
- Polystichum
- Coniophora
- Reynoldsia *Heuchera longi*
- Aspid. marginata
- Geranium
- Bloodroot
- Anemone
- Galium graveolens
- Stellaria
- Asplenium
- Teucrium
- Jacob
- Poisin Ivy
- Onoclea macro.

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Viola rostrata

(Magnolia *Fraseri* here is tree with large lvs)

- Aster
- Nettle
- Aspl. angust.
- Aspl. acrost.
- Phacelia papilionata
- Artemisia Ginseng
- Ginger like Black Mt ^{A. canad.}
- Cyst. fragilis
- Hydrangea
- Pa. creper
- Chrysophyllum
- Benzoin
- Luzula, mt. head L. camp. bull.
- Artemisia racemosa

Mechanica / lower
 slope in opening
 bet Rhod
 Adiantum petens

In moss in stream
 crust, serpyllifolia

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Slopes of Pine Mt
 below pine belt

Chestnut
Tulip
 moss
Oberonia prunifera
 Q. cocinea
 red maple
 Y. pine
 White Mt

Same in understory
+ Dryopteris
Loranth
Annel
dogwood
black oak - pub

mistake

Kalmia
Azalea lutea
Vacc. vac
ston
Gaylussacia
Viburnum
to. arbutus
Galax

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Lespedeza spp
Grass
Smilax bona nox
Pteris
Panicum sp
Desmodium nudiflorum
Hypoxis

Below road, more
wood

Heaths absent

Chestnut oak
Chestnut
July
White oak

Summit of Pine Mt
 around summit
 is like Nat. Br.,
 Kinn. ridge, Crested
 ridge, etc

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West slope Pine Mt

Chestnut, tulip
 cucumber (Magn. acum)
 red oak
 birch
 pig nut hickory
 walnut
 bass wood
 beech
 sugar maple
 chestnut oak
 white oak
 scarlet oak
 hemlock

beech in "young place"
 on certain slopes
 beech sp.
 red oak
 black oak
 red maple
~~end of foot of Pine Mt~~

These mesophytic slopes of
 Pine Mt. not base, much
 like Black Mt but lack size
 Trees not so mossy & branches
 not covered with lichens

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Tulip - much seen between
 Whitesburg & Jenkins; some
 fairly large ones in valley
 Also - in valley along Ky 40!

Tulip appears to be a tree
 of valleys & lower slopes, not
 ascending high on slopes.
 Remaining trees in Ky. near
 Whitesburg, bet. Whitesburg & Jenkins
 include this; fraction of
 tulip & of 2nd growth stands on
 Black Mt (seen from rd.
 & lower than traversed V-23);
 trees along Ky. 40 in Magoffin
 Co. and in box canyon in

Tulip

Menifee co., tulip dom-
inants in bottom

Buckeye - abundant in
almost all m. new stands

V-25

Magoffin Co west of Salyersville
Licking R. drainage

V-25-37

Cove opening W southeast
into a broad cult. valley

Trees:-

Beech	sugar maple
tulip	dogwood
white oak	black oak
hasswood	nyssa
Ash	walnut
hickory, 5 and 14	Hick. 9 + 10

Just like any m. meso
at home

not much undergrowth
Only thing diff. is
Magn. tripetala, not much
Cros vine, small

Scattered herb. layer

Polyst. across

Orchis spect

Mayapple

bladder

Green

Red

Phragmites

hickory

Smilacina

Asclep. quad

Cynogl virg

Amblyoph

Hydrangea

Aristolochia serp

Botrychium virg

vb. acerif

viola palmata

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Jacks

east

Ascending slopes out
of ravine less beechy
more oaks + hickories
redbud enters

Beech drops out + forest
changes to oak-hickory

Black oak

white oak

hickory spp

baccinum appears

Amelanchier

sugar maple + dogwood

vb. acerif

Amelanchier
fire pink

cont

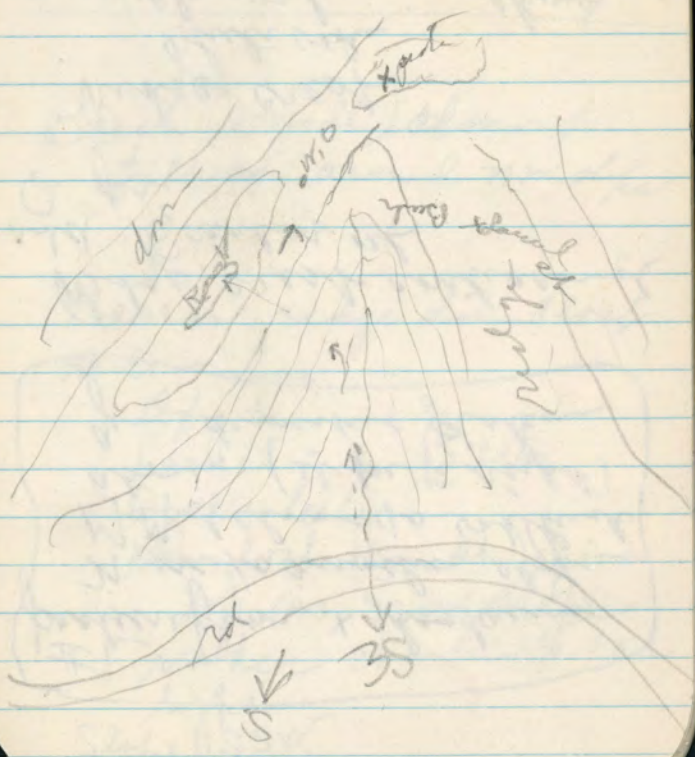
knot
 Crest of narrow ridge -
 Quercus prinus
 Pinus virginiana

Clearing thicket over crest -
 Sassafras
 Ash
 red bud
 white oak
 sumac - glabra

on crest of ridge, not
 knot large white oak
 10 ft ± 10' 11"

Lizard, 10 1/2 in. long -
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dull olive brown, changing
 to red forward of front
 legs. Head suffused with
 blood red



#1
 fracture from x looking
 N.W. to another slope
 M.M. below to which
 above. (slope to right)
 gen. deserts plateau

Ridge crest cont. around
 and Scarles oak
 & pines

Ridge crest
 white oak
 ch. oak chestnut
 scarlet oak
 black oak
 hick. not quite on
 crest
 N.Y.S. 4'94

Picture #2

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ch. oak (pines)

hick, ash, s. maple &
 aspen in understory

Beech (small) almost
 to crest around NW slope

Narrow ridge down least
 side - has
 Oxyd
 Laurel P. oak
 Azalea lutea
 Hemlock (small) near
 top on NW slope
 under chestnut oak
 type
 slope S.S.W.

Soil here almost devoid
of leaf cover, except as
brought around bushes

Mosses - Leucobryum,
+ others - Petraea
Scleria

Cladonia

Polytrichum

Small bits of rock,
as on Beech slopes in
Adams Co

Hieracium

Aspect exactly like
of any Beech slopes
Adams Co or. R. S. S. S.

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Morgan Co,
Blackwater Cr.

S.S. (Lunch) ^{east of} (just before Egel)

white pine
hemlock
red maple
Birch

Althoe
Mt Laurel
Rhododendron

Hesperis rugellii on
Thal. clavata. rocks
much liverworts

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Menifee Co
just west of Egel
(a tributary of Beaver)

Box canyon

Hemlock
white pine
tulip
Magn. *trifida*
macrophylla
beech
buckeye
(Seen from plateau)

Usual Oak-pine
 heath plateau margin

Scarlet oak
 ch. oak
 J. stilted

White pine
 pitch pine
 Dryden
 red maple
 yellow birch
 hemlock
 cucumber

Ranunc

~~vac. vaccinum~~

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stammium

graylussaria

Gaultheria

Wahlbergia

Pteris

Cyper acule

Leptocarpus

Tris vernum

Solidago odora

#4

Pitch pine, white pine
 heath

#5 Looking into a side
 box canyon
 hemlock, birch, beech

67. From one edge of
canyon across
shows banding
of asstns -

Lulip below, dom. in flat
dark band of hemlock
& white pine.

Oak + pine above

(picture at 4 Pm at L.R.A. to A.M.)

15 mi beyond Pikesville
 very fine - hemlock
 comes to creek on
 east side of road

so. of Shelby Gap &
 beyond east of
 Pike Co. good
 piece section
 on ~~side~~

Follow ridge of Black Mt along
 base ~~side~~ ^{of} ~~side~~, then take N. E
 direction across valley
 to reach rocky ridge.
 Good for contrast of NW + SW
 slopes Cross upper Razor Fork

Picture #1 Prestonby ridge
 2 Ger. + Osmond
 on Black Mt
 #3 Same oak-chestnut
 4 - Miss forest
 below saddle

• S. maple
 • Beech
 • S. maple
 • Beech

#5. Mixed forest
 • maple

• Beech
 • Beech
 • Beech
 • Beech
 • Beech

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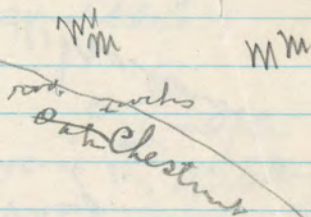
#6 Mixed forest

• S. maple
 9ft
 • Beech
 • Beech
 8ft

#7 Mixed forest
 General trend of range is
 N.E.
 Across -

• S. maple
 • elder
 • S. maple
 • striped maple

#8 from Ky side of
rd - toward place
we came down



rocks rocks
at Chestnut

#9 - See notes -

from same place as 8

10 - See notes V-24 (Black Mt)

11 - Poor Fork, Cumberland R. at
Mrs. Mullens (V-24)

12 Poor Fork Cumberland
from swinging bridge

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Quercus stellata - nr Louise,
Lawrence Co

Pinus rigida - Boyd, Lawrence,
Johnson - Pike

Pinus echinata, nr Prest.

Mozoffin Co

White pine Morgan "

Sweet gum "

II

1. in Mayoff Co (see notes)
2. Ch. oak - white oak, Mayoff Co
(see notes)
- 3 Entrance to Cove from rd. May. Co.
- 4 Pitch pine - white pine heart,
Merriam Co
- 5 Looking into a side box canyon
- 6)
- 7) banding in canyon (see notes)

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Frenchburg down
Beaver to Clifton,
up the branch
back to Simpson
(John Simpson)

at Frenchburg they
told us it was 4 miles
down Beaver to Clifton

May 22 - 26, 1932

Black Mt. 712 miles

May 22 - Cin. to Appalachia
Stops at:

- (1) Mr. Louisa, Lawrence Co., Ky. (Lynch)
- (2) Ridge above Prestonsburg.

May 23

Big Black Mt., summit
trail to beyond rocks,
down core to jct. of creeks,
up "rock ridge"

May 24 - Appalachia to Pikeville,
via Whitesburg; stops at -

- (1) Ky. slope of Black Mt
- (2) Mrs. Mullins
- (3) Between Partridge & Eolia,
Hemlock slope
- (4) Pine Mt - just above pines
- (5) Pine Mt. fire tower

May 25 - Pikeville to Cin.
via Mt. Sterling Ky 40

Stops:

- (1) Magoffin Co. ^{w. of Salyersville} SE. Cor.
- (2) Blackwater Creek at road
- (3) Box Canyon, trib. Bear Cr.

Gas:

Cin., L+R	- v 6 @ 21	1.26
Portsmouth	- 7 @ 21	1.47
Pikeville	- 6 @ 24 1/2	1.47
Appalachia	5 @ 22.7	1.14
Pikeville	- 5 @ 24 1/2	1.23
Mt. Sterling	8 @ 23 1/2	1.88
1 qt oil	@ 25	.25
		37 gallons

Room + Board
Appalachia

8.75

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2 days @ 2.00	- 4.00
meals	.95
	.45
	.80
	.50

Pikeville

1 day @ 1.00	1.00
	.50
	.40

8.60

Total, gas + Board 17.35

Films 1 phy	.60
dev + print	.85