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Herald Square

III

Ky. 6.

Va.
Mrs. 1932

Memorandum Book

(2)

No. F-211

E. LUCY BRAUN
2702 MAY ST.
CINCINNATI
OHIO

1932

III

Natural Tunnel, Scott Co. Va.
July 10

Open l. o. areas — prairie-like,
with grass (Andr?) and —
Salvia lyrata, Ruellia ciliosa,
Ascl. vertic., Rhamnus
carolniana; Redbud,
Aster oblong. (esp. on rocks)
Arenaria (on rocks
Aspl. ruta muraria
Pellaea
Arborvitae
linear-lv. shrub - Pachystima
Hesperis
M. meso. forest below.
Oak above - white, stellata,
and hickory

Natural Tunnel - Gate City
Dikesville - St. Paul -
Norton. July 10.
- Pikeville
All in valley + ridge
province - almost entirely
clear.

July 11
Return - Pikeville - Norton -
St. Paul - Tazewell - Bluefield

Entirely in Valley + Ridge
Province -
mostly bluegrass pasture,
l. or soil.
L. o. usually projecting
Asc. tuberosa + Blue Monarda
abundant.
Cedar local

Almost no forest remnant but nature of forest cover indicates by scattered very large trees in estate.

Evidently was mixed meso-
Beech, sugar maple, walnut, white oak, few buckeye, tulip, cherry, basswood, chestnut
[This is in the high section of the Great Valley in New River Drainage. Jan. 1941]

Some second growth stand. Tulip sometimes imp. - Could not be comming in areas orig. less meso.

Upper slopes of mt range

to east of rd. (rt. 19 thru Tazewell to Bluefield) support poor stand of cut over + 2nd growth timber, in which (on mt slopes) chestnut is prominent

In one place, in rd, large chestnuts remain; these on easterly slope. Just after this spot, a young oak slope with blueberry indicates poorer soil.

Evidence indicates that "Valley + Ridge" province was originally mixed meso., with with most of the meso. forest off. present. Locally, due either to

slope exposure (only evident on highest slopes) and soil, sign. of species.

(1) Beech-maple-basswood-hickory & other mes. sp.

(2) White oak-maple-beech

(3) white oak-chestnut- - -

(4) Chestnut- - (high)

July 12.

(Plateau)

Just W. west edge of Princeton a flat (Dev. shale flat?) beg. sim. to Clay City & to other upland.

Pin oak, swamp white oak, Cornus (like upland), white Spiraea, alder, Rosa carolina, Stein. ciliata?, Kneiffia, Lilium canadense, Phlox maculata, much sedge, and Scirpus lineatus & atrov.

Low hills above this white oak, chestnut other oaks, pine

Long grade down wtd

8 ong
Hill down to Oak Vale
High School

valley - m. mea -
beech, buckeye
basswood, tulip, o
walnut, hemlock, elm
, ash, red oak
2nd growth (young) slopes
tulip imp northerly,
e., ch
locust & sassafras, south

white pine, lower in
valley

High slopes of East
River, ~~oak~~ at New
River, oak (2nd growth

Occasional beech on
slope indicates m. m.

Inner plateau - narrows,
Va., Pembroke, etc.
is limestone, cavernous.
Mostly cult., but occ.
trees indicate - white oak,
tulip, hickory.

Ascent to Mt Lake -
Mostly cleared.
Alternate m. m. and
chestnut with exposure.

Lake Level
39 vs

Mt. Lake, Va.
July 12, 1932

Trail around lake
Hemlock, y. birch. red maple
Rhododendron chestnut
Kalmia
Oleif monticola, tree size
amelanchier
bluemen

Maianthemum
Clintonia borealis
Trillium undulatum
Galax (not much)
Gaultheria

July 13 – to Golf course
+ Cascades
Chestnut, white oak,
red oak, red maple

Amelanchier
Mitchella
Pyrus melaus
Rubus (upland
Salix (humilis ?)
Spiraea glauca
Rubus Allegh
Vib. cass. & lentago
Chimaphila
Corylus rostrata
Hypericum prolif

Azalea – pink, in bloom (spicy very frag.)
round capsule
long "

Vac. vac.
penn
stam
(erythr
taller, large berry

Lyonia
Gaylussacia
Lt. Arbutus
Galax
Gaultheria
Pyrola

Viola sag.
Baptisia tell.
Lys. quad.
Gentian
Pedicularis canad
Pteris, Asp. n. b.
Grass (spec)
Hieracium spp
Medeola
Melanthaceae.
Osmunda cinn.
Coreopsis major
Aralia nudicaul
Pyrola
Boykinia, along summit trail to Cascades
Smilacina
Cypr. arietinum

Begin descent, but still
ridge
about the same, but
more Osmunda

Convallaria

Little brook starts —
Birch-lutea
Beech
pink Azaleas bigger
Trautvetteria
Boykinia
Osmunda

"Helleborus"
Return — Wet flats —
bog flat w. Polytr. carpet —
white pine — Hypn. densi.

July 14

99
13
5
117

Ascent to Bald Knob.

Chestnut belt, slope, N.W.
Chestnut dominant
14, 10, 11, 17, 10, 8, 11, 9, 9
red oak 2, 2, 1, 3, 2, 3 red maple 1
cucumber 1
white oak 1, 2

Understory: —
Amelanchier chestnut
Mt maple. red oak
hemp white oak
birch cucumber red maple
Azalea — rosea capsule
bog "
bac. spp. incl. erythr.
Corylus rostrata
Rubus allegh
Lyonia

Salix humilis
Ilex mortica, not large as about
Witchhazel
Pyrus melan.
ferns - Asp n b
Pteris
Osmunda cin

Lys. quadr.
Gr. maculata
Eup. jac pyg
Smilacina
Dioscorea
Aralia nudicaules
Grass - spec - disarm. panic

Higher = (Picture 4)
Chestnut ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~
red oak ~~||||~~ ~~||||~~ |
white oak ~~||||~~ ~~||||~~ |

more Pyrus

Summit. (picture 5)

Quercus nana
dwarf chestnut 10 ft.
sassafras, 5-10 ft
whitoak - 7 ft. w. acorns
redoak 10 ft
Kalmia
Azalea
Vacc. myrth
" vac., perm.
Gaylussacia
Lyonia
Galax
Tr. Arbutus
Hamamelis - dwarf
Gaultheria
Ribes
Pyrus

Corylus rost
Polust

Ceanothus
Salix

Viola pedata
Aster lin.
Pteris
Aralia nudi.
Coreopsis major
Gelsemium sp
Smilacina rac
Asch. phyto.
Convallaria
Festuca ovis
Danthonia
Grass (spec. VII-13)
Aster sp
Sal. sp
Silene virginica
Pyrola
Uvularia perf
Hypopitis Taenidia

Campanula div.
Potentilla pumila
Uvularia - sessilis, glab.
Viola sag.
Rubus trif
Maranthem
Clintonia bor
On very summit,
dwarf beech, 5 ft
W. trees 6-8 in. thru

Open rocky parts
Saxifraga aizoidea
Heuchera Polypod
Summit open to west
across major valley
Steepest slope to west
Cliffs to west at summit

Just below cliffs,
exposed to N.W.

dwarf birch ass'n
hemlock | Acer (spec)
Sorbus
bit. (bay leaf)
Azalea
Lens - Osm.
Birchbelt just above
redoak - chestnut

One portion of summit -
at windswept edge -
grassy -
Festuca
Danthonia
very dwarf mass of

shrubs -
vac. mst. ang.
lack with them
acc. herbs

Moss cushions -
Polytr
Sphagnum

Lichens - Cladonia spp

On rocks -
parious crestose
Parmelia
Physcia
Umbilicaria pustulata

Trail to Bear Cliff.
July 15

Add to dwarf oak ass'n
Lilium superbum

Local variation in
dominance in Q. nana
ass'n
less Q. nana, relatively
more Nyssa,
white + red oak -
Greater imp. of heaths,
Kalmia, Gayl.
and ferns & Osmunda
cinn.

Weird timber (picture 8)

rises above shrub layer

Foliage of all usually
mesh shrubs very thick
& leathery

Pogonia vert.
Lyc. obscura
Liatris - nanus

Sassafras locally very
abundant, its lob. very
thick
(sandy here)
Witchhazel very pers

Sandy soil (white sand)
behind s. s. -
Some dwarfs, but
more huckleberries
+ other heaths

This part like Brushy
Mt in Gr. Smokies

Trail drops down off
of imm. summit —
through
dwarf forest of
knarled oaks
white oak - 25 ft
red oak - complete dom.
chestnut # 4

Some associates, esp.
no D. nana.

Witchhazel normal size
Shady + meso aspect.
Osmunda larger
Witch

a gap — dwarf red
oak forest crosses
ridge in gap

Another Knot — ~~dwarf~~
D. nana occ in aggr

Calopogon
Anemo. quinq

down off edge on
Bear Cliff side

Cliff in rock.
birch 6 ft in cir. on
lee of cliff

Dwarfing appears to be due
to wind effects: form + heavy
lvs. + large size outside of
protecting cliffs.

July 16 -
En Route to Marlinton,
W. Va. Follow W. Va. 24
north thru' Lewisburg to Marlinton.

Area between Lindside &
Rock Camp, Monroe Co., W. Va.
(appears to be limestone)
Northerly slopes, mixed
meso.-beech, hickory,
basswood, maple, etc.
Steep n. w. slope - m. m.
north & not so steep - m. m.
n. e. slopes - m. m.
Southerly slope, have
large white oak, sugar
maple, hickory, black oak
At Rock Camp, white pine
appears on s. slope.

Beech comes well up on S. slope beyond Rock Camp, and on divide over into Indian Creek

General aspect of the country is much that of Cincinnati. Wheat + red clover fields, hilly pastures, woods.

Country looks dry, does not have green look of Letcher Co (i.e. fields)

Union, Monroe Co. W. Va.
Mixed meso. with

a lot of white oak, more than the usual mixture.
Slopes here northerly + gentle.

A rolling plateau section — a l. s. stratum plain — with many sinkholes — underdrainage.

White oak, chestnut oak (south), closeback hickory walnut, cherry, ash, sugar maple, black oak

These are scattered but large trees, part of orig. stand. Only in places are trees closely placed; even here all undergrowth

good.

In all probability, this forest was more xerophytic than the recently type, for excessive underdrainage would decrease ground water far below what the rainfall would produce.

North of Leinsburg - plateau appears to be oak-hickory

Around Renick (Greenbrier Co.), ascending

from plateau to one of ridges - sugar maple whiteoak, walnut, hickory tulip.

On the descent, there is some chestnut (rocky shaly) but forest otherwise as on slope ascended.

Getting down from ridge into plateau, much walnut.

At edge of Pocahontas Co., ascending next ridge, ravines + slopes in all directions have remnants of mixed meso. forest, including beech. Higher,

chestnut comes in and
birch drips out.
On top — tulip, chestnut
oak, chestnut, white
oak. (no forest, only
remnants.)

Droop Mountain
Elev. 3060 ft.
(17 mi. from Marlinton)

Rather large, flat-tish
top. —
Streams start in
swampy flats

In one, Nyssa + sedges
prominent

no "Spruce glades" —
~~probably the Cranberry~~
~~Glades of the Naturalist's~~
Guide, a broad swampy
area — in the open part
of which sedges + Osmunda
are prominent
Spruce — seems to be in wetter
White pine + — (½) part pine
hemlock
white oak
Nyssa
chestnut

Rhododendron
Kalmia
Witchhazel
Elderberry
Mitchella
Trillium undulatum

Gaultheria
Epigaea
Viburnum
Rubus (upland)

After descent of Droop Mt.
— intermontane limestone
Plateau = farmland
(July 16.)
Only orig. trees white oak,
cherry &
Stamp Creek valley slopes
m. meso w. white pine

Rolling low summit as
we come out of intermontane
plateau — some large chestnut

July 17. Marlinton — Elk
Mt.

All slopes appear to be m.m.
except that chestnut come-
times fairly prom. in 1 + sev
slopes; often hanging in
m.m.

Elk Mt — summit 3533
July 17. where rd crosses.
Mt rises consid. higher
Elk Mt. not summit
(stop in woods)
A West slope — + others of
dominant hemlock
w. beech + yellow
Spruce,
(Spruce here on slopes + ridges)
Circaea alpina
Asp. (bud) delt.
mitella
bib. (lantana)
Anemone quinq
Trillium undulatum
erectum
Viola acutisella
Maianthem
Aur penn
" spec
Cornus alt

Mayn Fraser
Arbsalma Quiny

(cont. on road)

The coniferous areas are local + bear no particular relation to topog. feature

Descent of Elk Mt & to Valley Head – almost all hr. m.

Along ridge N. of Elk Mt. shows meso. mixture w. Chestnut

Slaty Fork – spruce on n. w. slope – also east

slope. This occurrence of spruce far below summit, on imm. slopes of Slaty Fork nr. Big Spring Creek

Ascend Mt Airy, 3482 ft. no forest, only hemmed ind. m. m.

Ascend Cheat Mt. 3478 ft. Tygart rises at north of Cheat Mt.

One slope – south – has aspect of oak – chestnut, but is old 2nd growth. Chestnut prom. in this. Site much that occupied by m. m. with maple & basswood. This place no sign 1/8 mi to Mingo (which is to west)

Valley Head –
Webster Springs
W. va. 15
July 17

Slopes of Point Mt very much like Black Mt, only much timbered taken out & trees not so large
Chestnut ridges facing south at middle elevation
chestnut also higher.

Some slopes near top much like Ky side of Black Mt road near top

Point Mt, road, 3872 ft

Just after meadows
(meadows all D anthoxa)
& at beginning of descent
South slopes. –
chestnut

red oak
red maple

Enterprise of woods. 5 ||||
Chestnut ||||| |||| |||| |||||
Cherry (very tall) |||| |||| |||
s. maple |||| |||| |||| |
beech |||| ||||
Magn fraseri 1
ash 1
cucumber ||
Acer penn
red oak |||
Y. birch 1

Trees of 6 in
chestnut
cherry
red maple

Chestnut is dead, except for basal sprouts in almost all cases – gives adv. to young sugar maple

Soil shallow with many
rock fragments.
no dist. herb layer;
Asp. n. b. plants scattered
" f.
" spinulosum
seedling maples
Gaf. ilatic
Arisaema quinq
Mayapple
Viola hastata
Anemone quinq
bib. (lantana)
Indian grass

Logs + true base mossy
Stumps not as mossy
as Black Ant

Fern increase on logs

Scarcity of undergrowth
everywhere prob. due
to sheep

Dicksonia both in woods
+ fields in quantity

July 18

Risco bank, trib to Gauley

Hemlock – Rhod. purp.
w. birch, cucumber
red maple

Aralia spinosa
Magn fraser & tup
Clethra
birch, lenta
witchhazel
Prunus (spec)
Ilex

East of Risco, some miles

Lower slope type
Hemlock ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~
white oak ~~||||~~ |||
red oak ||
birch, lenta ||
chestnut |||
beech ||||
Nyssa ||
cucumber |

Magn fras
Birch, lenta
s. maple
red maple
chestnut
hemlock

Rhod
bit acer
Cornus alternifolia
Asp. spinulosa, n.b.
Mt Laurel f.f.
Mitchella
Ir. undulatum
Medeola
Polyst. acrost
Circaea alpina & lut.
Gentian
Pyrola
Wintergreen Pipsissem
Smilacina
Epipactis (not put)
Viola blanda
Lycopodium

Orig. trees (Bordented above) only on lower slope - then

Climbing upward - 2nd growth
hemlock & beech drop off
chestnut oak enter

white oak ||||
red oak |||
chestnut ||||'||||
cucumber
Chestnut oak |
tulip ||

tree almost 3 ft dia

Mitchella, Circaea & ferns, etc drop off
Wintergreen & laurel increase
Lys. quadr

Cont. - next step -
after picture list.

~~VII~~ = K15

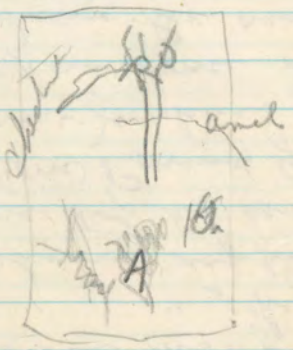
4. Black Mt. from Lynch Rd
5. " " , higher than 4, showing upper part (red. on top at extr left)
6. From Pound Gap, looking over Jenkins
7. From lower in rd., showing Ky. ridges N.W. of Jenkins.

8 Mt Lake, Va.
Rhod. overhang lake in foreground. - Lower end of lake, distance $\frac{1}{25}$" on 16 at 8 ft

9. Mt. Lake - from lower end Bald Knob in center

10. Rhododendron at Mt Lake
(very pink)

11. Jct. of rd to Golf course
& trail to Cascades
Pink Azalea & Cherryleaf
Red oak (showing knarled
mt top form) & chestnuts



12. Cascades

VIII = K16 Not beechrome

1 ✓ Cascades

✓ 2 Mt Lake from Bald
Knob trail

✓ 3 Mt Lake — looking N
from above
Shows lower hemlock
belt & prom. chestnut belt —
(right)

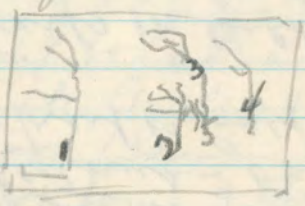
4 — Chestnut — oak assn
on trail to Bald Knob

✓ 5. dwarfs on Bald Knob

✓ 6 Sugarpt, looking west

✓ 7 Lake, from summit of
Bald Knob
(part of hemlock assn in
fore, left

8. On trail to Bear Cliff
On D. nana Ass 31-8
dwarf trees, wind timber



1. White oak
2, 5 & 3 Nyssa
4 Betula lenta

9. In dwarf oak forest
white oak & red oak
10. Red oak
9 & 10 in saddle
of Bear Cliff trail

11. Mt. Lake from hotel
porch, morning of July 16.

12. On Elk Mt., W Va.
Lower ridge in fore
r. spruce (shown in profile)
& hemlock. Higher part
of mt. beyond

IX = K 17
1. River 1 m. east of
Summersville
Hemlock, Rhod
bush, cucumber
2 Gauley River

3 Looking south from
Nettie
From edge of high s.s.
plateau, looking over
intermontane plateau

with high ridges beyond.

4. New River from US 60

July 18 (cont)

Plateau, s. s.

Remnants of
Chestnut
Chestnut oak
hickory
white oak
nyssa
tulip
magn fraseri

a s. s. crest
chestnut ||||| ||||| |
chestnut oak ||||
tulip ||||
magn fras |
hickory ||| hick, cord. |
cucumber |
red oak ||

dogwood
Ohio
amel

a little lower –
red oak, white oak,
hickory, tulip

Slope – down
m. m. big tree
sugar maple
tulip
basswood
beech ch
cucumber

Asarum vig. in
hemlock. s. of
nettie.

Area from Nettie –
Quinwood – Rainelle

badly cut-over
appears mostly to have
been m. m. with
local areas of oak-hick

U. S. 60

Rainelle – westward

Sewell Mt. 3170 ft
south & west slope
oak – hickory w. some
~~heavy~~ chestnut
oaks are
ch. oak, red oak &
wh. oak.
tulips & maple & cucumber present

Northerly slopes all
m. meso.

Plateau N of Fayetteville
some remnants of
oak – hickory

Valley from New River
all m. meso

Kanawha Valley
steep slopes – S
south side of river
mostly northerly slope
app. all m. meso –
but much cut

North side of river

all the way almost
all secondary.
contains much oak
but other sp. commonly
in m. m. as maple,
tulip, sassafras + occ. beech are
present

On ridges (comm. slopes)
oak dom. in 2ndary
stands + prob. in ory

Back Cover

July 9. Partridge - Appalachia
" 10. Appalachia - Natural Tunnel - Gate City - Dickensonville - Norton - Jenkins - Pikeville
" 11. Pikeville - Jenkins - Norton - St. Paul - Tazewell - Bluefield
" 12. Bluefield, W. Va. - Princeton, W. Va. - Narrows, Va. Pembroke, Va. - Mt. Lake
P.M. Trail around Lake
" 13. Cascades, via Golf Links; returned via Glades.
" 14. Bald Knob
" 15. Bear Cliff
" 16. Mt. Lake - Narrows - Lewisburg - Marlinton - Huntersville.
(stop on Droop Mt. at Cranberry Glades)

July 17. Marlinton —
Valley Head — Webster
Springs — Richwood —
Summersville
Stop on Elk Mt.
" Point Mt.
July 18. Summersville —
Nettie — Quinwall,
Rainelle, U.S. 60. —
(US 19 + 21 - Fayetteville)
— Charleston.
July 19. Charleston —
Mineral Springs
July 20 Mineral Springs — Cin.