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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



II



5

Memorandum
Book

No. F-211

57

E. LUCY BRAUN
2702 MAY ST
CINCINNATI, O

1932

- July 1. Pine Mt., Partridge trail,
over north side to Kings Creek
2. Line Fork + Jakes Creek
3. Line Fork to Pine Mt. Settlement
+ Jack's Gap
4. Rain
5. Over Pine Mt.

8. Colliers Creek, left fork,
+ down Joe Day
9. Gap Branch.

July 1

Pine Mt -

Trail from Saw-mill.

(see profile)

(lower part, to where rise
commences, omitted)

Heath understory	Chinquapin
Laurel	Ceanothus
Oxydendron	Smilax bn
Rhod. adendr.	Rhus cop
T. arbutus	Gayl. above 2nd
Wintgreen	Galaxia - 50%
Galax	" red
Vac. stam + vac	
Oaks - scarlet, white, maril.	
Prunus, stellata	
Pines - yellow, scrub	

Cladonia grandis
 & cristatella & Moss
 pygmaea Lichen
 vertic. Cacti d. lina
 P. lityr

Cetraria & Parmelia & Lecanora
 all over Laurel stems

Stem ~~fungus~~ great Asterpatens
 Houstonia longa Lechea
 Mitchellia Crepsionia
 Ascyrum Substantia
 Lespedeza repens
 procerus
 hirta

Gerardia, cut, glandular
 Gleasonia pro, rotund
 Potentilla pumila
 Bercorpus aster
 Antennaria

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Trees - Oaks
 Pines - big y. ^{small}
 Chestnut
 Hemlock
 Hickory
 dogwood
 red maple
 Nyssa
 Sassafras
 tulip (small)
 chestnut oak (8 ft)
 Shrubs -
 Vitis (spec)
 Amelanchier

small trees big

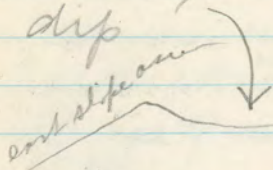
Herbs, cont

- Cassia rectata
- Viola pedata
- Chrysopsis gramin
- Pteris
- Atetres
- Hypoxis
- Salidago ~~radica~~
- Baptisia - 3 l
- Gerardia laev
- Malaxis unifolia (microphylla)
- Viola emarginata
- Calopogon
- Canis spt
- Gambusia
- Linum (alt. not stiff)
- Zosterola
- Lobelia puberula

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- Some narrow br orchid
- Heracium margl ^{Hellman?}
- venosum
- Mesmodia rotund
- nudifl
- panic
- bracteosa ss
- Tephrosia
- Sorghastrum
- Euphorbia corollata

② Over 2nd rise into little dip



Ferns

Osunda

Asp n, b

Asp f f

Rhod.

Red azalea

Epipactis

Clothe

Elephantopus hairy

Pipsissewa

Liriodendron

Chestnut

Chestnut

Chestnut

Yew

Wal

Magnolia fraseri in shadow of tree

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Laurel + pine absent + with them the sandy heath veg.

Chiffs (face NW)

have 1 Yew, rugellii beautiful Rhod, 2 1 in. cir.

Up out of dip, and SE. slope communities again.

③ Pottsville summit -

Y. pine

P. virg

Chestnut oak

Red maple

Magnolia fraseri

Chestnut

Picture

#9

with dense heath understory of

Laurel
vac. vac. & stem
Gayl.
Wintersgo
tr. arbuta
Galax

Andr. open + Hawthorn
Aster lin.
Chrysopsis gran th

Another dip & flat,
mess. again

Tulip
chestnuts (up to 15 ft)
Chestnut od

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Nyssa
red maple
white oak
few hents
Some laurel, bluetrees +
red azalea Galax

Spring - + Rhod Yucca
Royal ferns

(Pitman #10)

④ Rise again - (slight)
hents increase age
esp. Galax (not out of view)
(more forest than view of
slope)
ridge of springs
Lycopodium

Flat again with
springs + Rhod Yucca

with moss & ferns

⑤ Rise again - this higher
up into chestnut hill - per
flat, but without change
rise again -
ss. ridge, like top of
nat Br.

Pine, oak - chestnut -

Gayl

Vaccin (esp)

blanckm

Ascyrum

Eup. sessile ^{bract}

Hedera + Parnelia

Umbellifer

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Slight dip & rise

sandy pebbly ridge,

⑥ narrow - sandy pebbly ridge

Sharp drop off of this
Shrub layer dense -
5 ft high -

Laurel

Azaka - (flame)

Rhod

Some vac & Gayl

Arb. + Galax + ventera

Oak - pine - chestnut -

Wyd + And

Becomes very mesophy
chestnut (north slope)
tulip
red oak (lumbered)
but now
big trees

(Old Trams
in this)

ferns -

- Mardian
- Asm clay + air
- Asp n l
- Christina fern
- Asp marg
- Phegopteris
- Aspl fef

- | | |
|--------------|-------------|
| Commifuge | Ascl phytol |
| Astilbe | slipper |
| Geranium | Eup vertic |
| Jack | Sol caesia |
| Starchy | maple |
| hairy jocky | bird cut |
| Smilax herb | Circaea |
| Hydrangea | Collinsonia |
| Rubus allegh | Desm acum |
| Aristolochia | Araba r |
| Pyrola | Amphicarpa |

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- bib. acrif
- nut hazel
- mt maple
- little hemlock

Chelone in
Creek

- Rhod + Hydr.
- along stream
- dry road

- Krigeria
- Trillium grad
- Ficaria carol
- Panicum boscu

Ascend SE slope -
not so mess.

- Galax
- red azalea
- Laurel etc
- Ceanothus

Gap. a big magn Fraser
about 1 1/2 ft D.

Descend north side of
Pine Mt -

Steep mesophytic slope
mostly l.s.

fre^e tulip big trees

Basswood

Cucumber

Chestnut

white oak

red oak - very large

Chestnut

sugar maple

hackberry about 4 ft

Ash

Hickory

Chestnut oak

Walnut

Locust

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Understory
Smaller trees -

same +

dogwood

red bud

mt maple (upper slopes)

sassafras

papaw

Carpinus

Aristolochia - much ferns

Spice bush

Chr. fern

Maiden

Nittles

Phyoptera

Polypodium

Botr. very

Astilbe

Aspl across

Amnifragm

" f f

Osmorhiza

Phacelia

Trellium gr

pink blood root

wild ginger

Eup urtic

Thalictrum devic

Geranium
Anemone
Lupinus
Blue violets
Crocus
Pulsatilla
Cynoglossum
Ranunculus

Along road way at foot
up King's Creek (Chin's Cr.)
It rounded like -

Hemlock - Beech - type
in deep valley
with some Rhodod.
hassard, red maple
& sugar maple

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Over divide into Dry Fork
(of Line Fork)
Magnif. maple, + type
Line Fork Belton
Kingdon Cone +
Gordons
Some fir timber on north
side of Pine mt.

Beech hemlock, tulip
maple, basswood
buckeye, red oak, white
oak, hickory, butternut
hickory etc

July 2

Ascent of Mt. but line fork,
& Jake's Creek SE slope

Beech birch
tulip (curly & not)

hemlock

white oak

chestnut (15 ft 6) ar. the

S. maple biggest tree

wintergreen of 100

Coming up a little hemlock less
& beech more in prof

red maple

red oak

Dying chestnut admits light
& results in tangle of saplings

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Under -
same

+

Ostrya

laurel

vib. acerif

Rhod

vacc

Evonymus (not B)

raspberry

Magn fraseri

Masses of Rhododendron

border banks of

swampy stream

The trees rising out of

them are beech, red maple

white oak hemlock

Arbutus

Galap

Peep, ripens

Ascyrum

Wintersgreen

Wintergreen

Forest, large

Potentilla plantaginifolia

Over rice - after beavered ground
beech & sand oak drops

Leptochloa

Medeola

Asplenium

fern

Viola rotundifolia

Cypripedium acaule

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Trillium

Jack

Anemone quinquefolia

Viola blanda

Hepatica

Stream gorge -

Rhododendron

Pictures

Magn. fraseri

#12

Hemlock

#1

beech

tulip

red maple

Bear Branch

Similar to first creek
Hemlock Rhod. Pickett
a little holly
some laurel

The Chestnut steers clear
of the immediate gorge
where the hemlock & Picea
are, but remains entire
very soon & remains
clear to the top where
it is dominant, but
less columnar in
form.

Wenlock
white oak
beech
M. fraseri
red maple
buckeye

Down in gorge -
Mechanic

Magn. tripetala

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July 3

From Line Fork to Pine Mt
Settlements

Woods of Line Fork -
Forest

Wenlock - beech - red
maple - white oak types
nut

buckeye (C. alba) (C. glabra)

M. fraseri

Chestnut (just up a little)

birch (lenta) (more
birch than yesterday,
local variation in camp)

tulip

hickory

buckeye

walnut

red oak

1 basswood

July 3.
Ascent to Jack's Gap -
Steep ascent - 2750
~~2400 ft in .5 mile~~

Forest of NW slope much
cut-over, but evidently
mixed now.

Maple - basswood, Tulip
cucumber, walnut ^{chestnut} ~~oaks~~
pink raspberry here
much Aristolochia
starts as where we descended
to King's Creek

Trillium, Caulophyllum,
Cimicifuga, Hepatica, etc.

(A chestnut 17 ft 6 in)

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Summit -

A narrow sandstone
ridge with chestnut oak,
yellow pine & pitch pine
Oxydendron, Sassafras

Kalmia, Gaylussacia,
Vacc. oak. Rhod., 2 sp.

Purple Rhod. - to get spec,
lie on S.E. slope and
reach over to NW slope

Just under cliff - tulip,
cucumber & walnut, with
branches reaching about
top.

July 5 -

Ascent of Pine Mt
from Pine Mt.

meso. forest - beech prom.
In all respects like
our meso. forests

A few sp. not in ours
Chestnut present

	Elderberry
Aristolochia	Virg. creep
Hydrangea	P. Virg
Rubus (pink)	grassy
Cornus alt.	black
Astilbe	Spice bush
Tiarella	menisperm
Hepatica	Araliaceae
bloodroot	Jack
	Rosaceae

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Trillium Joe-pye

Hydr. canad

Phacelia bip

Wild ginger

ferns: Pteris, Polyst

atlantica Botryd

Asp. mary Asp f f, august

Rocks full of walking fern

Beech, s. maple, tulip

turkey, hickory, ^{mountain} glabra

chestnut

dogwood, Carpinus

mulberry ash

salix, Ostrya, red elm

red oak

Collinsonia

Nettle

Genus canad

Cornus

bolets

Osmorhiza hairy & smooth

Ran. *recurvatus*
Hyda. *virg*
Ginger
Green violet
Galium - spp
Sedum
touch me not
Geranium
Eup. *urticef*
mayapple
Aemath *virg* & *virone*
Amphicarp
Sanicula
Arum
Thalictum *dioc*
Utricularia *grand*
desporum
Solidago *latif* & *caesia*
W. L. L.

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Aster *cordif*
Morarda *fiat*
Stachys *cordate*
Aster *divaric*

Contrast seen on north
 slope, 'near top, when
 s.s. reached'
 decidedly lux. mess
 aspect gone & some
 other things noted
 as *Lycopodium* *marianum* (Benham spec)
Campanula *divaric*
 etc

Add to pine - oak - chestnut
 of s. slope -

Clethra
Polygala (Kinm.)

Lower slopes of Pine
mt., toward highway -

Mixed meso. -

Bush - basewood -
tulip, etc, with
henlock in the ravine

(Asclepias (Dandy, Spr) near
bottom)

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July 7 - Collier's Creek -
Roger's fork -
Summit

See note book I

July 8.

Collier's Creek, left fork

Beech, hemlock, buckeye

Flats of creek above, 1/2 hour

A dark woods of hemlock
beech, not much below,
too dark chestnuts, sugar maple
Some Carpinus beech maple
Rhod. Pipers (9 in.) 1/2
Mitchella

mossy rocks

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little Anemone gray Sax.
Evonymus dry
Viola hastata humus
(Picture 7)
Viola blanda

Outskirt of dark forest -
but still in place

Ash
basswood
Carpinus - very large + shrub
buckeye
butternut
chestnuts
tulip
sh. l. buckeye

banks - 2nd growth
but rich moss

Iris cristata
ferns } Phegopteris
 } Adiantum

Search

~~Old 2nd growth~~

tulip

ash

butternut + waco

carpenter

beech

s. maple

buckeye

white oak

red maple

hickory

dogwood

redbud

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Ascending ridge in fork
of creek -

Chestnut

I

old + 2nd growth

mostly large 2nd

tulip (14' 6")

chestnut oak

hickory

s. maple

cucumber (10 ft)

Understory

maple - red + sugar

hickory red oak

buckeye

dogwood

cucumber

ash

beech

oak

redbud

by
the
creek

Emp utica	Sol. latif
Caulyphlla	T. nillu gr
Cimicifuga	nettle
Viny Creeper	touch me not fern
Valc.	Sandbaron
Polept.	Gera
Asmifuga	Dropw
Solidly, latif	Chama
Astilbe	Dialispendis
bit acurif	Thal. levin
Aristochla	Iris cincta

West Slope turning to S
II

Chestnut	IIII	IIII	IIII	IIII	IIII
tulip	IIII	IIII	IIII	II	
cucumbers	II				
ch. oak	IIII	IIII			
s. maple	IIII	IIII	IIII	IIII	IIII
basewood	IIII	II			
brake	III				

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red maple II
 red oak IIII IIII
 walnut I
 beech II
 Nyssa I

Herbs, cont

Bloodroot	Hydrangea
Malaxis (microstylis)	Jack
Epipactis	violet (lethotropa)
Galium lance.	Clinton
Phryma	Seda
Aster. de. pauc. & d. acum	
Taenidia integ	Ginger
Umbularia purp. grad	
Smilax l. m	

July a few
Azalea (begin) with the
big tulip

Chestnut oak on these slopes
straight slender tree

(cont. after picture list)

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IV, cont. = K12

8. View South from Ascent
of Pine Mt

9. Pine's heaths of ^{Pony} Plover
summit of Pine Mt

10 In dip after Plover

① summit - of Pine Mt July 1

Two for red
maple

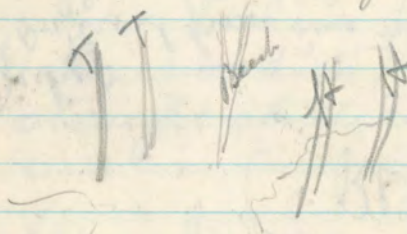
Round

11. July 2.

* On trail from Pine Fork to Jake's Cr

Other trees in area - red oak
behind chestnut oak

#12. side ravine into
 ✓ henlock-Rhod. gorge



Right, recent, 2 henlocks

middle beet

left, further, 2 very tall straight tulip

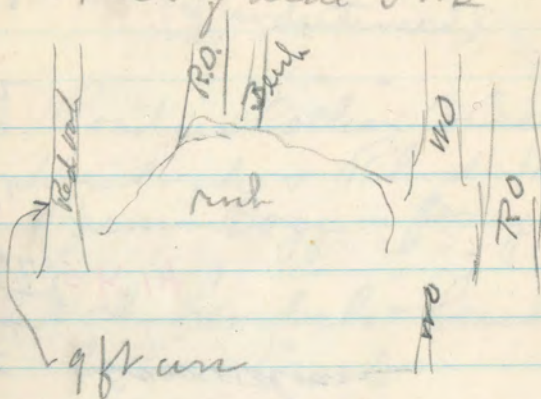
✓ = K13

✗ 1 Henlock & Rhod, stream

✓ #2 Slope of Pine Mt.
 showing virgin forest
 (July 2)

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✓ 3. Head of Pine Fork



✓ 4. Oaks & shrubs along
 crest of Pine Mt

✓ 5. NE from high rock of
 Jack's Gap

✓ 6. SW from " "

✓ 7. High rock at Jack's Gap
 & Ky. ridges

✓ 8. Clump of *Coreopsis major*
 on Pine Mt (w. butterfly, Antenn)

- 9. Big Black Mt from
Pine Mt rd above
Helsok
- 10. Pine Mt from same place
- 11. Black Mt. from
123 at Lader - where
red over Pine Mt
came down

12
VI = K 14

11

x 2

13

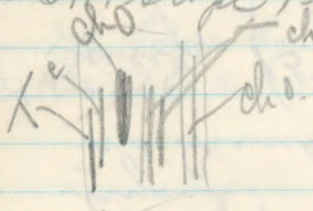
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x 4 } From "rattlesnake park"
x 5 } (4 undetermined)

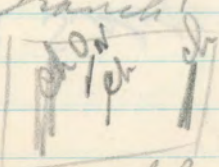
x 6 Road in Collier's Creek -
Hemlock & Rhod. (containing)
(Junior Boggs on prom.)

x 7 Dark Hemlock - Beech forest
Collier's Creek

x 8 Str. slope, Collier's Cr
chestnut (?)



x 9 S-str. slope in Joe Day
Branch



with beech layer
of Mt Laurel & tall
tree

ground layer Galax, to Adiantum

✓ 10. S. slope - Joe Day branch
Chestnut (left) & ch. oak (right)
ch. oak, y. pine & ch. bet. &
beyond.
Int. Laurel & small pine

11. ⁺ Tulip (5 ft)

3.7m high

U S Coal + Coke Co

12. ^x 3 tulips
3 - 3 1/2 ft \mathcal{D}
Undergrowth all with bugs

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VII = K 15

left right
1. tulip - basswood - maple
4 ft

2. Black Mt + Poor

3. 7th Cumberland R.
nr Blair School

(July 9)

Lower hills in river

w. hemlock

Birch along stream

Hedges on Collier's Creek
Trail III

- | | | | |
|---------------------|-----|-----|-----------------|
| Chestnut | ### | ### | ### |
| red oak | 1 | | |
| tulip | ### | | |
| S. maple | ### | ### | ### |
| locust | 1 | | |
| cucumber | ## | | |
| basewood | ### | | |
| hickory | ## | | cherry 1 |
| " white | 1 | | |
| huckeye | ## | | |
| Lily | | | Asplenium, etc. |
| Sol. latif + caesia | | | Phytolacca |
| Smilacina | | | Collinsonia |
| Thal. dioica | | | Polyst |
| Amphicarp | | | Chelidonium |
| Phlox | | | Geranium |
| Blackroot | | | Trillium |
| ginger | | | Viola canad. |
| | | | Hydr macro |

Flattens some +
becomes more mud
More lux but dry
sugar maple dom
tulip cont

Opp-
a chestnut-chestnut
val slope

Traff crosses
chestnut ~~||||~~ ~~||||~~ ~~||||~~
ch val
red oak ~~||||~~
s. maple |

VI

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Magn fraser in understory
Chestnut
ash
tulip
maple
oak

Cross ridge into
Joe Day Branch

N.E. slope of hdnts
s. maple
basewood
turkey (c. cordif)
walnut
chestnut
hickory

quince hepatica
Phacelia fenas

(Sandstone)

- Cross to west slope - (|||||)
- Chestnut { ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| }
- s. maple ||||| |||||
- red oak ||||| ||
- hasswood |
- ch. oak ||||| ||||| ||||| ||||| |||||
- nyssa ||||| |||||
- red maple ||
- cucumber |||||
- tulip ||
- y pine |||||

seems to include some of x

Redwood

Understone same -

- | | |
|-----------------|-------------------|
| + locust | Amelanchier |
| Opogon | Sassafras |
| Pyrola | tulip |
| Rubus | y pine (offshoot) |
| vac. vac + tall | Mitchell |
| Azalea red | Maun. Fraseri |
| mt Laurel | |

- | | |
|----------------------|---------------------|
| asp. n. f. | <u>blechnum</u> |
| Polystichum | |
| Collinsia | |
| Sol. caesia | Kregia |
| Amphispiza | y. Cypripedium |
| Euphorbia | Gentiana (puberula) |
| Phegopteris | Helianthus |
| Geranium | Gerardia laev. |
| Galium lance | Panicum broad |
| Stein cil. | Miracium maie |
| Viola (purple vein) | Thaspium purp |
| Desm. acumin | Leptorchi |
| Smilax | Galax |
| Ran. hisp | Mt Laurel |
| Honest. longif | Tr. Arbutus |
| Cypr. acedule | Coreopsis major |
| Fabernaria (prolong) | Alitris |
| Stein quadr | Malaxis |
| Pedicularis | |

Contrast of slopes here
remarkable

N. slope across -

Comp. trees (from this direction)
hassanwood, maple, buckeye
large chestnut

(dryer slopes more often
affected by burning)

rich moss underground
ferns, etc

just like all northerly
slopes

S.W. slope is open to
west all across Cumberland
valley

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chestnut oak low on
slope

2nd high part of trail -
few heaths - only ^{few} nut laurel
leaves + a few tree. Rock shale

Chestnut oak - Chestnut leaf
Course understory

Chestnut oak ### T### T### T### |

chestnut ### T### |

red oak ||

hickory ||
(glaberr)

grape ^{birds}, cornus, sassafras
Smilax la / Helianth
Rubus allegh, michauxii

Sandstone in place again
many ericads

point of ridge -
Chestnut oak down at

Round slope into west side,
more meso.
chestnut oak about drops out
s. maple
hasswood
tulip
ground
chestnut
ch. oak

Herb. layer more meso
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(like ascent, w. Thalutun)
Slope SW - ch. oak comes back

River -
White oaks
hemlock
Pine

Mr Whitman

Kelly

Mullinall, Chief Eng.

Gap Branch -

Big Br.

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Gap Branch
Thynch, July 9

maple					
birches					
tulip					
beech					
fraxino					
hickory					
oak					
yc					
hassw					
cucumber					
chestnut					
red oak					
red maple					

Back Cover

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drap + river = planting corn

Maxine Frazier

Elsiecoal, Ky.

(near Whitesburg), at mouth
of Smoot Creek

creek, fork, branch,
hollow, cove.

Mr + Mrs Henry Creech
Pine Mt, Ky.

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July 1 - Partridge over Pine
Mt. - King's Creek -
Line Fork

July 2. Line Fork: High Falls,
Jack's Creek - Bear Branch

July 3 - Line Fork - Greasy
Hollow to Pine Mt.
Settlement School -
side trip to Jack's Gap on
Pine Mt

July 4 - Rain

July 5 - Over Pine Mt.

" 6 - Rain

" 7 - Collier's Creek - Roger's
Fork - Summit

" 8 - Colliers Creek, left fork -
Joe Day Branch

" 9 - Gap Branch