



Hunt Institute for Botanical Documentation
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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

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Counts in each

E. LUCY BRAUN
2702 MAY ST
CINCINNATI, OHIO
44

Oct. 19, 1940. Cin - Berea -
Rosenstock R. - Cumb. Falls -
Corbin

" 20. Corbin - Jellies - Log Mt.; -
Clear Cr + "Key Ridge State Ph" -
to Mullens

" 21. Staggerwood Hollow

" 22. Black Mt. Harlan Co.

" 23. Mullins - Phenix - Williams
son - Huntington W. Va.

" 24. - to Cin. § 30 mi.

Nov. 9. Middle Creek Boone Co

Mich 3041 Lewis Co. - Tollesboro

to Concord, to Danbury, 190 mi.

- Apr. 11. Cin. - Corbin
 Apr. 12. Corbin - Jellies - Pine mt
 in Tenn, back to Jellies
 up Mud Creek, (n.g.)
 back thru Williamsburg
 out a side rd from Cumt.
 Falls; To Corbin
 Apr. 13. Cumt. Falls
 Apr. 14. Corbin to Middleboro
 over Log Out.
 [Apr. 15, 16, 17. N.C. + Va.]
 Apr. 18. Norton Va. over Pound
 Gap to Paintersville, to
 West Liberty.
 Apr. 19. West Liberty -
 Sandy Hook - Nfld. -
 Grayson - Morhead -
 Cincinnati.

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Oct 11, 1940

Rockcastle Co

Pyrularia

Rock. R. woods.

Solid. latif

Polyg. virgin

Rudbeckia

Aster div

Aspl. ang.

Laportea

Smilax cucur

Osmunda regalis } off/

Rhod } leaf

Cephaelanthera

Urtica latif

Verh. occ. - Roche Co
Samuel
Whitley

At Summit Falls, Whitley Co
Stewardson

Log Mt Bell Co

Camp. div
Erechtites
Eup. serot

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Pine Mt - Ky Redg, Bell Co

Aster patens
" phlog
Brachyelytrum
Lobelia pur

Andr. scop
Sorgh. nut

Amel. laevis - at summit
- at fire tower

Staggerweed Hollow
Oct 21 '40

The *Cimicifuga* just
beyond the Rhod., &
where *Lilia* starts, has
3 follicles. (spn)

Arist. macrophylla,
where slope
begins to get steep

Aptecium specatum
as we start up in
b-b-s.m.-t

On River Ridge at
head of Staggerweed

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is *Camp. divar*
Aster patens
Hystrix

Seen in Oct - no app.
diff bet convex, &
concave on Black Mt
slopes Beech visible
low, more s.m. higher

Eup. serot

A sharp spur bordering
Staggerweed on west has
S.m. *Lilia*, red oak
where it is rocky &
cliffy!

Oct 22
Black Mt - Harlan Co

Amelanchier -
on summit rd

Robelia infl

Magn. macro. on lower
slopes of Pine mt bet.
Co. line & Partridge, in
Fletcher Co.

(Last of Co. line plants for
comp. with those pine at
Co line bridge)

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Oct 23

Solidago bicolor on Pine Mt
Fletcher Co

Pike Co.

Holly

Bambusa

Urtica latifolia

Sweet gum starts
~~8 mi~~ above on Pikeville

Mullein

Chamaecrista

Actinomeris

Verb. occidentalis

Cedar area just above
Pikeville

East of Pikeville on 119

Beech - MM slopes -
lower cleared

Liquidambar	Evyonymus
Pterocarya	latro.
Platanus	" amer.
Acer sacch	Cercis
Salix nigra	Querc. alba
Aesculus	" mont.
Benzoin	Rhus tox.
Hydrangea	Oxydendrum
Thorus ruber	Glyssa
Ulmus fulva	✓ amer
Bigonia capr	
Acer rubrum	sess.
walnut	Frax. penn
cucumber	(w Belt)
Vitis	[pub. tungs]
Rubus	(frondosus)

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Aster cord; later
Amph. mon
Solid. att.

Phlox divaricate
"dog fennel"

Polyg. scand
Phoradendron

Off. slopec Andel. ^{vulg}
Eup. wit
Epilobium (brown hair)
Perilla
Cassia nich (put pods)
some grass as Bl. Mt. Oct 22
Erechtites

Roadside

Elyusine

Pan. dichotomefla

Echin. c. galli

Muhlenb Schreber

Leersia not r.c.

gentle slope (Pike Co)
Rhus *vers.*
Magnolia *brevifolia*

Along a creek - low slope
Legumin
Aspen *Ulmus* *amer.*
magn. rep. *acumin.* *Evony* *fulva*
Acer *paucif.* *Hyssop* *amer.*
Qu. bor. mex. *Olea*
Ficus *Hydrangea*
Morus *rubra* *Asculus*
Fraxinus *Carya*
Acer *negundo* *cordif.*
Cercis
Cornus *florida*
Sassafras
Liriodendron
Salix *nigra* *Malus*
Vitis
Platanus
Silea *hetera*

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R. alba *Coccoloba*
Hydrangea
Rubus (*frondosus*)
Clematis *vers.*
Aster *prenanth.*

Some prostrate oak-
 beech type on
 south slope.

Gentle slope (Pike Co)
Gleditsia
 River bank on 119 ~~at~~
 at Jct. 304 & 119.

A beech-hemlock slope
above creek - + mixed

<i>Artemisia</i> (Lamb)	
Beech	Aster cord.
<i>Tsuga</i>	Solid lat.
<i>Corymbus</i>	Polyst.
<i>Betula lenta</i>	<i>Tiarella</i>
<i>Liriodendro</i>	
<i>Asculus</i>	
Magn. trif.	Benzoic
<i>Juglans cin.</i>	<i>Ulmus amar</i>
<i>Acer rubrum</i>	<i>Cornus flav</i>
<i>Acer sacch</i>	<i>Hydrog.</i>
<i>Qu. alla</i>	<i>Rhus tor</i>
" <i>hor. moy</i>	<i>Rhus occ</i>
<i>Liquidambar</i>	<i>Qu. velut</i>
<i>Carya bruta</i>	<i>Frax. putting</i>
<i>Viburnum acer</i>	<i>Acer sacch</i>
<i>Caryacord</i>	<i>Amel. can</i>
Magn. acum	<i>Hammamelis</i>
<i>Oxyl.</i>	<i>Vitis</i>
<i>Pedera</i>	<i>Acer sacch</i>

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Creek flat. wet

<i>Kyllinga</i>	<i>Card.</i>
<i>Ajperis diad</i>	<i>Lubellii Penn</i>
<i>Aster pren.</i>	<i>sp</i>
<i>Boehmeria</i>	
<i>rice cut grass</i>	
<i>Eup. serot</i>	
<i>Panicum claud</i>	

Slope herbs cut

<i>Solid (cut.?)</i>	<i>Amph.</i>	<i>Pleas</i>
<i>Anem. org</i>	<i>Phe. mon</i>	<i>Green</i>
<i>Prenanthes aff</i>	<i>Ejay</i>	<i>trid</i>
<i>Senecio aureu.</i>	<i>Setaj</i>	<i>can</i>
<i>Artemisia</i>	<i>Setaj</i>	<i>can</i>
<i>Adiantum</i>	<i>Setaj</i>	<i>can</i>
<i>Eup. arctic</i>	<i>Setaj</i>	<i>can</i>
<i>Abnucif rac</i>	<i>Setaj</i>	<i>can</i>
<i>Elephantopus</i>	<i>Setaj</i>	<i>can</i>
<i>Lactuca blue</i>	<i>Setaj</i>	<i>can</i>
<i>Laportia</i>	<i>Setaj</i>	<i>can</i>

Aspid. mang
Rare. record
Polyp. very
Aster. det
Imp. before
Camptosora
Fris. crist

Sweet gum goes up
slopes in many places.

From summit of Pelee
Mt. looking east, good
M.M. with much beech
in lower half (picture)
& more maple above

Several good places - one
west of summit where a
little road goes in.

Nov. 9, 1940
 Cgl. rocks of Middle Creek
Boone Co.

Chelone spm
 Columbine } on rocks
 Comptosorus }

Emp. vertic
 Hydr. append

D. muhl.; alba
 Ulmus fulva
 Cercis
 Acer sach
 Eonymu atr;
 Juglans nigra
 Prunus serot
 Frax quadr

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Woods: - good
beech

tulip	Saxif. very
s. maple ^{small} _{nigr}	Gaphylloea
Tilia	Hepatica
red oak	Saxif. v. l.
wh oak (m. top)	Pilea
Juglans cin	Hydrangea
Celtis " nigra	Ostrya
Ulmus fulva	Hystrix (Bals)
Carya ^{sp. m. l.}	Phlox dr
Cliffs: -	Carpinus
Aquilegia	Solid. herb
Pellaea atr	Polystyph
Woodson	Cornus flor
Comptosorus	Campanula
Sedum	Amygdia can
Cystop herb	Styph. ph. cliff
Silene very	Dent. d. l.
Mitella	Bleph. persula

Epipagus Pedera
Sambucus Galathea
Aster cord Polygon. virgin
Benzoin Lappula virg
Smilax hisp
papaver Rubra, s. aff
Corydalis Brachyelytrum
Viola canad
Asarum
~~Asarum~~

Aspl. platy
Ranunc. abort.
Adiantum
Hybanthus
Aspl. ang.
Cardamin pennsylv
Gymnocladia
Allium tric
Evonym. atrop.
Galium concen
Pterospora - all alt. h.

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Carya cordif
" ovata
Vitis cord.
Viburnum purshii

Big trees cont: -

Carya cord.
Frax. amer
Frax. quad. (me)

Dry cliff-top peninsular

Andr. scop.
Isanthes
Penstemon (hirs.?)
Panicum flexile
Lespedeza
Silene antirrh
Scutellaria, large hairy

2nd growth

Scrophularia
Asclepias glabra

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March 30, 1941

N. of Fallsboro +
upper crossing of
Cabin Creek,
where y. dolomite
begin to outcrop

a bushy Crab. with
long & many thorns

Euph. comm.
Card. Druyl
Lupulacina

Rhus typhina + glabra
Senecio - ? + copallina
Crataeg. mon.
Euphaea
Andr. scop

Knots -

South-facing eroded
Sil. shale with
red color & under

Lower a basin at
low plateau level
with almost pure
2nd growth etc. etc

South bluff

Aster laevis

Rhynchospora cana

Lespedeza spp

dwarf Celtis

Silphium ref

Knot with lots of

D. stellata &

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D. imbr.

D. cocc.

~~yet to do~~

Kuhnia?

Solidago can.

Helianthus??

Andr. virgin.

Viburnum ref.

Celtis

Asyrum

Near Concord

Ascent to knot

Xanthoxyle

Viburnum prunif.

Azalia macro

Allium cernuum

Agave - broader than last

Lots of Agave
Plectanum sp
Salsola nem
Siphium trif

Frax quadr

Slope below cliffs - SW
red oak W. maple
Tulip buckeye

~~Quercus~~
Rhamnus carol.
Helianthus micro
pappus

Much Rhamnus on
slopes below cliffs

On dolomite
Aquilegia

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Witch amon
Pilea glab
Cystop. bull

Aspl. platyne
Campanula
Sedum tern

Getting around to north
slope, beech abnd.

red elm

red oak

Carya oval

Lilla

Indian pipe
beech (big) on top at
edge of cliff

Slaty shale above cliff

Staphylea

Urtica grandis

Juglans cinerea

Open lower and upper slopes
Kuhnia

Between Concord & Danvers
some dolomite cliffs
Beech in forest of slopes

Swamps on flood plain -
open oaks

Cephalanthus

near where rd crosses
r. r. - considerable swamp

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April 12, 1941

Cumb. R. at Williamsburg

silver maple

Bet. nigra

wh elm

box elder

sycamore

Lots of Bamboo along
some of larger trunks

Heraba vernai - Whitley Co

" " Bell Co

Populus (like Whitley Co sp.)

is in Bell Co

Lowest slopes of Pine
mt where Clear Cr.
goes thru' in Tenn.

^{BIG} beech	East Slope
tulip	SMALL
hemlock	Cornus alt.
Filix	Magn. trip
Frax. amer	Bet. lenta
Magn. acum	Benzon
Aesc. oct	Stey. Opaca
Acer sacch	Bign. crucej
Carya sp	
Anemone	Polest.
Anemone quercy	Asp. mag
bloodroot	" spec
Sorbus	
Hep. acut.	
Erythr. Amer	
Aspid. sp	
Trillium erect + grand	
clavtonia card.	

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~~Silene spaldingii~~
Caulophyllum
Asarum acum
Aralia trif
Hent. diff + hetero
Phacel. bip
Hicentia, etc + D. br.
Trillium ~~spaldingii~~ hageri
Hydroph. can
Podoph
Teuclia
Carex broadlrd - purple bracts
inbms blades
Tupularia
Eriogonum
Aster alba
Asarum arc
violet part of

Mud Creek, Whitley Co

April 12, 47

Broad flats - cultivated
Along stream -

sycamore

Betula nigra

Carpinus - leaning + on

foot of low steep rises
also, beech

Lower, steep north
slopes of Mud Creek

beech

Kalmia

hemlock

Amel

red maple

wh oak

aspl. platy
bluets

Cornus

Not protected by opp.

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mt slope, for, about
1/4 mi. of valley

N.W. slope of Pine Mt.
along Mud Creek

beech

walnut

butternut

red oak

nyssa

Magn. bay

Carya oval

beech

dogwood

Oxal

Beech dom. only
below

Caulophyll

Asarum bay

hent. hetero

Anemone

epifagus

Stell. pub

Trigonotis

bloodroot (sp)

Adiantum

Ran. pec.

peris car

Troll. bug

Chromola

Prosp.

Sedum tern

Popularea

This place has no
flowers because of
pigs

Apr 12. 41

Swamp on plateau
n. of Cumberland Falls rd

Urtica laxa (lots of it)
Sudburya alt
Eupat. fist.
lots of Holly
Rubus hisp
Gaultheria in Polylepis patch
Patch of Stea
" of Alder
Vib. cassin
Trees: -
Pyrus melan
Ranunc. stip

Sweet gum
red maple
nyssa

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April 13.

Cumberland Falls

Trail 1, along River

Luzula caroliniae ^{to arch}

Erythra. amer. ^{Rock}

Chytomia carol.

Cardiophylla Panax trif

Hydroph. can (sp. in fl)

Filix grand

Cubelium (Hybanthus)

Plantagin. hetero

Stytophorum

Adiantum

(many flowers - on
area of MM without
hemlock & without Rhod.
tus: tulip, beech

with maple under, & speckled
occ. holly. • Papaw, dogwood

buckeye, Beech, tulip, birch

mayo macro, sweetgum

Herbs, cont.

Mentaria las	
Aspl. acrost	
Sedum torn	
tulip - 16 + 11	25
beech - 5 +	8
sir gum 1	1
birch 1	1
Ilex 1	1
s. maple	3
red oak 1	Asc. oct. 1
scut. deplylla	
Episagen	
Claytonia veg	
Anemone	
Eriogonum	Smilacina
Travella	Phacelia spin
Hydrangea	
Polystich	
Asp. spm	
Disporum lan	
Stellaria pub scyl	

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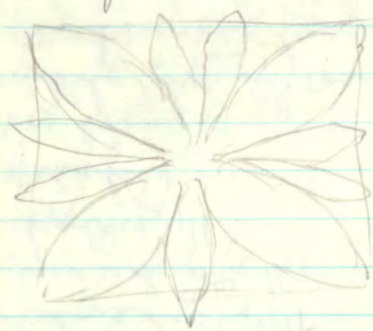
Salsolago leaf
 Carex, like spm
 Asarum air
 Sanguinaria fl glauc

There are areas with some
 hemlock in the mixture
 & not quite as many flowers
 more ferns

tulip 11 11	12
sir gum	2
hemlock 11	5
beech 11	7
holly	3
birch 1	1

All the above on the
 not very steep talus
 slope below the p. s. cliff
 & extending to all. terrace
 with band of & syc.
 sir gum, else

The glaucous bloodroot
usually with more than
8 petals; - usually 12



Aspidistra acut. m.
S. S. rocks

Viola hast.

Poa cuspidata

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Across the river, in
McCreary Co - the lower
slopes very similar
with hick, tulip, hemlock
holly, etc. & lots of
Erythra. amer.

River margin; - steep
banks, frequently
flooded; -

Sycamore
wh. elm
winged elm
Betula nigra
box elder
Acer psoccharnum
syr gum
Lots of bamboo.

10.02

1.85

1.40

6.77

1.40

6

Market

11

Cumf

4

Cumf

6

Corbin

6

Boon

10

Can

1.98

1.32

1.32

1.75

98

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11.4

17.4

11.8

11.4

13.4

6.0

17.4

Copy onto card:—

A piece of plateau woods with some large white oak, with holly understory, with low hills + with wet flats is 6 mi. west of Yearry's on Cumf. Falls rd, + extend 4 mile along the rd.

It is just east of a field of stumps.

Another piece, more rolling, is 4 mi. west of Yearry's (Corbin). The 6 mi. west looks best.

Flood Plain, cont.

Sambucus
Polygonum veg
Rudb. lac.
Rhus tox
Boehmeria
Impatiens pallida

(Lots of Box huckleberries)
Lookout

Tupularia, here &
there three the woods

From trail 1, up Trail 2
to Lookout house & then
down trail 2 to meadow.

Rising above cliffs,
fine forest of hemlock,

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beech, red maple, Nyssa,
etc. tulip

but without the usual
herb. plants. Jostea -
Viola hastata

occ. Trillium

Tupularia

Mitchella

Hepatica obt

occ. Anemone -

Asarum arif.

a very poor herb layer

lots of small hemlock
some Holly

Polypodium

Trichomanes under big
overhang which overlooks
river, & right fork trail
after leaving lookout (Tr. 2)

Along trail 2, high
on bluffs along river,
opp Eagle Creek Falls
& toward Aunt Fall. -

Masses of box huckleberry
the dom. undershrub
with *Epigaea*, *Galax*
& *Gaultheria*.

Pyc. obsc
Rhynchospora
mt Laurel

open pine & oak

Cypr. acaule

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April 14, 1941

Top of (Lockett Int)??

Terms.

beech II	2
<i>Carya alba</i> III	5
chestnut III	5
tulip III	5
<i>Quercus stellata</i> , <i>alba</i>	II
<i>coccinea</i> I	
nyssa III	
Red maple I	

Flat top with valley

A little lower, more
beech & tulip, & not
the *Q. stellata* & *cocc*

Go around & down -

Generally southern
slopes.

beech
tulip mt Laurel in
wh oak underage
nyssa
red maple

occ. s. maple & buckeye

beech
wh oak
sh b hick
" "
red maple

very barren beneath

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going up Log Mt
from Pruden

Low -

beech-wh oak with
scattering of other sp
as maple & tulip.

In places, beech given
greater prominence
because of removal
of other sp. as shown
by stumps
Lots of secondary wh oak
higher, much more
abundant - in places on

A point facing southeast
the slopes of which
show much chestnut -
beech, s. maple, tulip,
buckeye, cucumber

Hepat acut
 bloodroot
 Anemone

Slopes of Log Mt.
 above Graves rd.

s. maple		 	 	 		12
buckeye						6
red oak						12
hysop						6
Chestnut					 	26
ash						2
Carya						10
w. oak						6
tulip						9
Lilia						6
horsetail						1
Carya ovata						1
cucumber						2
					104	
					<u>199</u>	

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This is the slope that looks like it has corked red oak

lots of dogwood
 " " bloodroot, larkspur
 Obolaria

Ascl. quadr
 Lupularia

Claytonia car

Higher, at top of ridge
 only oaks, high Sch

Rd. to Clear Creek Springs.

All the slopes which are not entirely secondary have beech.

Beech appears dom. on some slopes.

Beech + wh. oak from on all "warm" slopes - the southerly + westerly slopes prevailling of this type; sometimes mostly beech, because oak taken out.

Wherever secondary, if not too many times disturbed, stand is mostly to entirely of moderate size ^{wh.} oak.

Occasional other trees -

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other kinds of oak, occ. tulip in constant, red maple, etc.

In places, hemlock scattered in this type.

Hemlock + Rhododendron along the lowest cliffs of Little Clear Creek + immediately along creek.

U.S. 25 over Little
Roy Mts, etc

The prevailing type
is beech-white oak (
(where any of the orig.
trees are) or, in places
moderate size, secondary
white oak

This is interrupted
by pine in very rocky
places, + has tulip
in concavities. Occ.
red maple, hickory,
and other species of
oaks.

The talus slopes (west)
below Rocky Face
are mostly oak (mixed

of it wh. oak) with
occ. beech

Looking back into
runnes or slopes, can
see evidences of m m.

The beech-white oak
segregate the most
important type
of the lower altitudes,
on all warmer exposure,
beech increases to
dominance on some
slopes

Apr. 18.

Pine mt below
Pound Gap -
Betcher ~~Co~~ Co
Below the quarry

Helphium
Clayt. car.
plant. hetero
Salix sp
Hydroph. can.
Anemone
Aplectru
Hydrangea
Botrych. vici
Camp. amet
Cauloph.
Ostulbe
Sanguinaria
Benzoin
Asarum acumin

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Trill. grand
Asp. spen; marg

All in the usual M M
w. d. box map
Sedum tern

Erythron. americanum
Naucculus Respitans

Enter Pike Co.

Anemone
Decentra dB
Phlox div.
Phacelia bipin
Erythron americanum
Ulex cypre
Cyprip. fragilis
Betch P

Pike Co woods -
 upper rd on east
 of Shelby Creek
 S. of bridge

bush	Madia
burdock (big)	Cornus fl.
Yellow	Hydrangea
hick	Rhus l.
s. maple	Cornus alb.
birch	Japan
Walnut	Morus
butternut	Ailanthus
Chestnut	Begonia
red elm	Alnus v.
Tulip	Benzoin

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Dent. hetero *Trifolium*
 Clayton *Smilacina*
 Campylos *Trifolium*
 Sedum *Mechanica*
 Ranunc. recurv. about
 Phacelia
 Cauloph *Anemone*
 Adiantum *Luzula*
 brodiaea *Thaspis*
 Asp. mary *Poa cuspid.*
 Anem. ang. *Trifolium*
 Hybanthus *Anemone*
 Adiantum *acum.*
 Stell. *perfol.*
 Adiantum
 bloodroot
 nettle
 Trillium grand. *erectum*
 Arisaema (green)

The above along Shelby
 Creek

Went. daphylla
Salix (sp)

Wet cliffs -
Mullein

Aster
helen blank

Aster prun

above Mr. Beard's of
Robertson str.

Saxifraga veg.

N. of Pikeville

Wald street

Columbines on cliff
but the big kind

app. in l. s.

Staphylea

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Senecio aureus

Stenophyllum thalictroides

Floyd Co.

Senecio aureus

Columbines

Cross vine

Va. Creeper

Saxifraga

Syringa ternstroemia

Blues

Wald street

Phlox

Enter Johnson Co

Senecio aureus

Saxifraga veg

Rhododendron

bloodroot

Geranium

Equis. arvense

Johnson Co.

West of Paintsville
on 40 - along a
creek - slopes below
a s. s.

Tulip	Hydrangea
Buttercup	raspberry
dogwood	Benzoin
Calpines	redbud
red elm	holly
hackberry, sw	wh oak
Prunella ser	Rhus tox
s maple	magnolia

Viola prostrata
 Anemone
 Claytonia virginica car.
 Sedum
 Clem. virginica
 Polystichum
 bloodroot
 Viola blanda

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Trill. grand
 Aster div. Ran. abort.?
 Geranium small, (sp.)
 Asp. mary
 Thell.
 Gent. hetero
 Pon. crisp.
 Hep. acut
 Cynoglossum
 Ran. abort.
 Viola blue sp
 Evony. amer
 Iris crest
 Carex spm

Above cliffs
 Hoest. car. above cliff
 Asarum and Pileops virg.
 Vib. acerif & Rhod. mal.
 Mitchellia red oak
 Rhus cop

Above cliffs -
 beech - hemlock - holley

Misc. -

Cerastium nutans
Stenoph Thel

Aside Road, left, just
~~at~~ cliffs along rd +
just across a bridge over
Barnett's Cr.

Magoffin Co.

Vach
Anemone-like
Acorus

Hillside

Senec. ob. (spn)
Geranium
Poa cuspidata
Iris rosea

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Hent hills

Anemone-like
Erythra. (? - alb. ?)

Sedum-like

Ostrya

Bambusa

Columbine (big)
Siberian Huckleberry
Birch
Basswood
Pines

Enter Morgan Co.

A bank above floodplain
of Licking, N face.

Hieracium d. f.

Hierac. lac.

Saxifrage on cliff

Hieracium diphysum

Podophyll

Geranium

Erythr. amer

(Card. penn. on fls)

Anemone

Cyst. frag.

Sm. maple July

Lilac Magn. tree

Butternut Cucumber

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Stellaria pycno

bloodroot redbud

Adiantum buckeye

Iris crist

Smilacina

Asp. mary

Poa cusp

Claytonia rug

Epifagus

Clematis virgin

Ran. abort

Polyp. virgin

Ruellia lac

Begonia like *Asplen. to*
sp

Along river -

Sage

Acer sacchari

Betula nigra

Stenoph. Spal

April 19

Misc., Morgan Co

Sten. Thal.

Poa annua

Phlox des

Troll. grand

Anemone

Elliott Co

East of Rfd

Arisaema (green)

Thalictrum clav

Sq corn & D. br

Tipularia

Next bridge on highway
Bruin Creek

Arisaema sp
Woods on east bank of Little
Sandy

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Under cliff

Silene rosp

stencil pair rug

Thal. clav

Low slope below cliff -

mostly reached by

high water

beech

hemlock

maple

elm

red maple

red oak

nyssa

Carpinus

Hammam

Hydrangea

helleb

brake

magnolia

(rest over)

asp sp

Erythra amer Aster des

dent lac

dent. hetero

clayt. virg

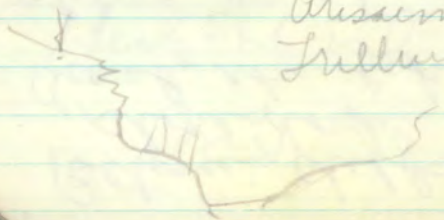
Poa ussp

medula

Anemone

Arisaema (green)

Troll. grand



Between cliffs
slopes down are
beech, etc like later

This also above cliff

(Cliffs only about 25-57)

Podophyllum
Saxifraga very

Essentially a beech
woods without evidence
of other things etc. those
I may remember ^{mentioned}
Saxifraga
Epifagus
bloodroot
Cynoglossum very

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Slopes above cliff level
(even if not above cliff)

includes the more
meadow herbs -

more mitchella
& plant hetero
sax. gantheriana
Hep. obt

Ridge top knot

wh oak

juniper spp

beech

red oak

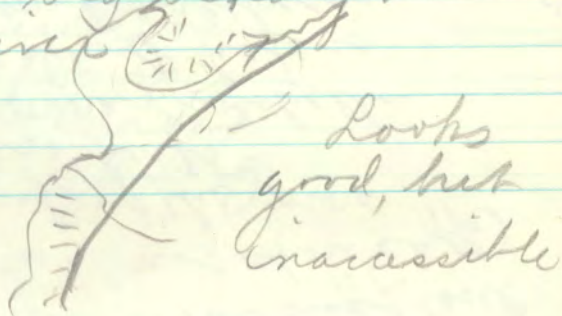
Aspect of upper
slopes to
beech - wh oak

(over)

The woods noted above
is on slopes of Little Sandy
River just above mouth
of Bruin Creek

From B

Below Bruin's Creek
bridge, there is an
area of forest on
far side of Little
Sandy R. - which
seems to cover slopes
and top of hill in
a big bend of the
river



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From here on to
Grayson, topography
the low hill
type, no deep ravine
no steep hills.

The prevailing forest
types seems to
have been the
beech-white oak type
giving way on upper
slopes to oak.

Only locally, in
ravines does there
seem to have been
a mixed forest