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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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No. M-808

51

E. LUCY BRAUN
2702 MAY ST
CINCINNATI, O.

Ky: 51. 1944.

Apr 23. Cin. - Kingston - Tyner - London
~~in~~ (see pp. 4 & 10 for areas)

Apr 24. Rock Creek Natural Area

" 25. London - Ky 80 to Somerset -
to Monticello.

" 26. Monticello - west on Murl Rd.

(1) Chester L.S. Hill.

(2) Swamp woods at Murl

(3) Trib. of Otter Cr. at apex
of Murl rd. loop

" 27. Monticello - south

May 3. Union

~~The~~ Madison Co -

On hill up from pt. 214
above first big bend

NE slope of shale
tulip *Tilia hetero*
walnut Walnut
hickory red elm
s. maple odorous
bush

Carya ovata
Q. bor. moy

Can. violet *Anemone*
Larkspur *Botrych. var.*
Erychi *Hent. hetero*
Artemisia glauc
Wentano. loc *Sedum ter*
Hydroph. can *Phlox str*
Cyst. frag *Disp. lan*
pepper + palstrola rose
Caulophyll *Podoph*

Synandra
Benzoin
~~Cela~~ / Hybanthus
Stylophorum
Heuchera (like underhand)
Hepatica acut
Polypodium
Asarum can
Polygonum veg
Trillium sessile
Adiantum alba
Aspl. ang
Psedera
Smilax scirp
Ranunculus recur
Impatiens pallid
Dogwood

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Smilacina
Trillium erectum (red)
Staphylea trifolia
Cynogloss. veg
Polygonatum pub
Adiantum
Papaver
Hydroph. macro
Stell. pubera not syl
Hydrastis
Limonium
Solid. latif
Mitella diph
Luzula
Mechanica
Ribes cyn

Osmorhiza hauri
Polemonium reptans
~~*Osmorhiza*~~
Squirrel corn

Good dark soil &
mull humus

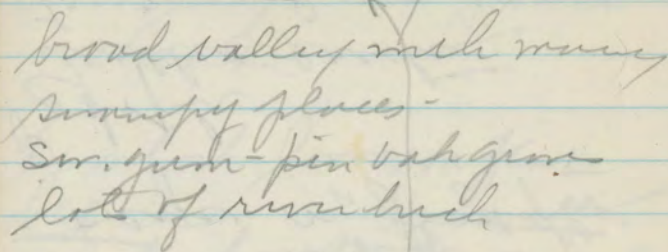
a little higher,
Trollium grandiflorum starts
bloodroot
Some *T. erectum* up here too.

Urtica grandifolia

1st ravine about big bend of rd;
then another with a path into it
& a sort of nat. br. formed of fallen ss.

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(Rockcastle) River
west of Annick & Bond
on Ky 30 - Jackson Co.



broad valley with many
swampy places -
sw. gum - pin oak gum
lot of river birch

Much oak upland.
A meadow north slope &
adj. flat
s maple
butternut
sw. buckeye
tulip
sh. h. buck
red oak

Senecio *gemma*
Hydrophyllum *can.*
Rubus *elatus* } esp on
Benzoin } *fl.*
Mertensia }

Veronica
g. dryland
Rubus *lac.*

Mertensia under brush
& syc. on ^{high} flood plain

Podoph.
Silene *erecta*
Tr. grand.
Urtica *grand.*
Geranium
Carthagen.

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A ~~data~~ slope 2nd yr
Senecio
Dialis *viol.*
Dent., *helios*

A n. slope old-growth
stand.

hemlock low on flat
beech Smaller
sh. b. beech *Magn. trif.*
s. maple *Carpinus*
buckeye *buckeye*
maple
cherry
beech
hickory
Tilia

Assam
Tr. erecta
Sepateu obtus
Aspl. across & long
Viola rosea
Caulophyll
Podoph
Mechan
Aster dr
Polemonium rep. part,
but not glan 2

Panay tree (chun 2
Viola blanda
Phlox dr
Iris ~~rescrist~~

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Zinnella Viola hastata
Benzoin Saportea
Aspl ff Cinnamomum
Adiantum Anemone
- Desp. lan

A beech island
w. syc

Urtica perf (on slope
a little up)

Hydrocotyle
Smilax
Orchis spectabile
Viola ~~sp~~ palmate
Hybanthus
Opalis viol

West slope towards rd
apparently was
white oak
hickory
tulip
red oak
hickory

^{S.W.}
~~Dr.~~ pitch pine to spruce red
where ps outcrops

About 2-3 mi. east of
East Bernstadt, extensive
swamp - lots of water -
river birch, alder, --

(Should be looked into)

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April 24

Rock Creek Nat. Area
Laurel County.

Box huckleberry in
pine replant
a cont. carpet
with to arb., mastic
vac. stem vac vac
vac arb

Oak woods w. dogwood
Chenop
obscure

Starting into hollow
Ch oak tulip
red maple
beech
hemlock
Myrica
red oak
Rockhouse - trapping
That day

birds returned

Magn. rose
" tree
Rhod. maple
Kalman

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Holly Mederla
dogwood
Hernandez
Stewartia
Oxyd

birds nest

birds blank on cliffs
w. That

High south slope
y. pine with tulip
P. birch, bl. oak
+ dogwood
of Kalman understory
By huckleberry layer

lvs. plain
vac vac
Sungum, around to
N.W., pines drop
out,
hemlock, + as before

Chickra

Back onto north slope

Mostly hemlock
w/ red maple

Dense Rhodo. tangle
on whole N slope
Betula lutea

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Cyprip. acaule

Oxalis montana

at foot of
high N cliff on
creek flat

+ on mossy rocks

Sec. by dried cedars

Dryc. lucidulum

Below jet of creek

where it gets a
little wider.

lots of lupine w. hemlock
but still Rhodo dom.

Silene rot.

Ipulana
Chrysothrix

Comp. det. from
sample areas
scattered from head to bottom

| | | |
|------------|--|------------|
| hemlock | ### ### ### ### ### ### ### | 44 |
| Tule | ### ### ### ### ### ### ### | 22 |
| beech | ### | 7 |
| birch | ### | 8 |
| red maple | ### ### ### ### ### | 20 |
| Ch. oak | / | 1 |
| Holly | ### | 5 |
| red oak | / | 1 |
| chestnut | ### | 4 |
| Dryd. | / | 1 |
| Magn macro | / | 1 |
| Nyssa | ### | 3 |
| | | <u>117</u> |

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This area, a so-called
"post-climax" hemlock,
occupies a young gorge -

it is a physiographic
climax which, with
widening and reduction
of slopes would, theoretically,
be replaced by the
climax climax.

The Rhododendron is
a solid layer from
cliff to cliff.
Herb. sp are few
incl. Medelva well
scattered

All age representation
of all tree sp - but
proportionately fewer herbals

Lots of magn. macr.
holly,
& a good scattering
of Aethra

Some asp. spin but
not abundant except in spots

Local areas with
no really big trees
have lots of
middle size trees

Holly 4 ft in circ. b. h.
Lickstone

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SW Slope - dry

(This is same as
y pine IIII "high 3 slopes
ch oak 1 on p 3 of this day
tulip 11 & higher
hemlock 1
Pung. 1
Nysa 1
Kalmia Sideroxylon
Sassafras dogwood
Oryza chestnut
red maple

box huckleb bar var
guelder " plant
Spargan Arnd
Aethra bar arbor
Horseshoe tree

Andr. pers
Lycopodium sp
Linn

Mats of Polytrichum
Coccoloba magna
Hieracium venosum
Smilax rot

A typical pine heath
Locally P. virginiana dom

Head of another bank
in secondary oak -
Azalea
Sideroxylon
Cornus flex

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Box huckleberry layer
moss wood

At about 16-miles
upland with quite
large trees
wh oak
bl oak
tulip

& oaks of all age, & young trees
Lots of dogwood

Ran. hisp
Coccoloba acuta
Utricularia perfoliata
Dialium violaceum
Krugia
Antennaria solitaria

Azalea nudiflora
 Pteris
 Potentilla "pumila"
 Anemone coar.
 var var
 Host. purpurea
 Salix lyrata

Pine woods

Y pine forming

tall dense stands
 occ. *S. stellata*
Viola pedata, bicolor & plain
 Lots of dogwood
 Tulip young, where

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a slightly open place
 & in groves

Apr 25

Ky 80 - west of 25.

(no 25)

Oak-tulip-pine hill on upland - old ^{2nd} growth

| | |
|------------------|-------------------------------|
| Bigger | Small |
| <u>tulip</u> | <u>dogwood</u> |
| bl oak | <i>C. ovata</i> red |
| <i>Nyssa</i> | <i>Nyssa</i> ^{small} |
| wh oak | Y. pine ^{small} |
| red maple | wh oak |
| <i>C. glabra</i> | tulip, ch oak |

Podophyllum *Cornus* *Geranium*
Viola *Viola* *Viola*
 Baby's breath *Viola* *Viola*

on oak ridge

Chionodoxa - a big one,
vitis cin. or aces Eryngium
Vib. pacificum Arum
Chimaphila lanolam
Smilax glauca ^{superba}
Epipactis Psedera
scattered vac. vac + vac stem

Where y. pine is dom.
dogwood is 2 - size tree
Small -

Cornus Nyssa
red maple holly
dogwood ch. oak
Oxys
tulip

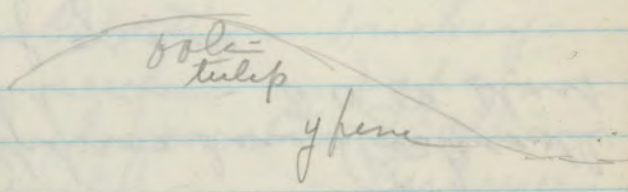
An east N.E. slope
y. pine - dogwood

Polypodium Chimaphila

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A layer of pine & leaf
duff + below -
sandy silty yellow -
brown soil! No podoc.

y. pine also dom. on a
north slope of Hershell



On this hill, oak-tulip
occupies top + upper
slopes & pine grows
or lower. All is on
in place

In places, it is pine-tulip,

* tulip is now beginning
to gain on pine.
About 1 ft D.

Approaching Rockcastle
River - 80 on start
of grade -

beech in ravines

Lower on hill (on 80)

Large beech trees on
general slope,
nearly S (altitude S E)
in wide valley
much seepage on

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road cut, so perhaps
moist. L.S.

| | |
|---------------|-------------|
| <u>Beech</u> | hogwood |
| 5 maple | red bud |
| tulip | s maple |
| | papaw |
| | C. ovata |
| Cynogl. v. v. | wh oak |
| Asplen. v. v. | brake |
| Cornus | papaw |
| Parthenandra | C. alba |
| Smilacina | Carpinus |
| Podoph. | Mign. m. v. |
| Bolus v. v. | beech |
| Hydraste | holly |
| Adromonell | tulip |
| Trostee any | wh oak |
| Phlox div | |
| Tubular | |

vib. rufid Ascl. quadr
 Polypodi herb. big flowers
 Psedera plant. multy
 Epifagus Orchis spect
 Cirsaea Sedum tern
 Oxalis viol fire pink
 Arisaema, green

up slope, in woods, at
 upper limit of ls.,
 Cornus starts

Dogwood is a layer in
 this beech woods, too

Looking across Roche.
 R. East slopes look
 like this area

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P. Pylasche Co no on angle of
~~Roche Co.~~ side of Roche
 run - Co

East slope -
 Woods at first is 2ndary
 beech, red oak
 tulip, sh b beech
 Higher, more big red
 oak, ash, sh b thick
 on the ps part of slope

V. prostr
 1/2 feet or less Psedera
 Polypodi
 Phlox
 Arisaema
 Arisaema atrox
 " green, + some fall
 Trillium grandly upper
 vetch slope

A dirt road on Laurel
Co. side of river
goes around onto north-
facing bluff w. beech woods

Lower, below ss outcrop
big beech, hick-

Parlysander

beech of all sizes
hickory
hickory not water
C. ovata
red oak
Tulip
Syc
Smile

butternut
Tilia
Circumbly
Corn' alt

Carpinus
dry ground
Magn' tree
Cherry
Tilia green
Circumbly
Corn' alt

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Phryoxerus
Geranium
Lupinus
Adeant
Callunum
Alisp. lan
Ternell
Uvil. fuf
Erythr.
Medeola
Crossvine

Claytonia Carol
Sedum tern
Senecio ar
dent. lan
Adaea alb
Benzoin
Aster divar
Smilax acuf
Uvil. grand
hib. roof.
Menisfer

Along river -

(Syc, silver maple
river bank)

The topogr. of this slope
is very odd due to many
slumps. - Thus younger
& older areas of forest, but
all about same in comp.,
with beech most abundant.

Just west of a big
Creek at Stab, on 80
a S. slopes w. rounded
ls ledges

| | |
|-----------|--------|
| red cedar | redbud |
| bl oak | Ostrya |
| D. muhl | |

Arenaria pat Russ can
Senecio small
Penstemon?
Agave
Salvia lyr
Lich, can
Opalis viol

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Apr. 26.

Wayne Co.

w. of 90

E. S. E. slope

Wooded hills of Chester

Larger trees

Smaller trees

Walnut
Q. velut
Nyssa ^{ash}
Carya 7ft ^{ash}
norbalba
C. ovata
red oak ^{ash}
C. alba
C. glabra
D. muhl.

C. glabra
Fraxin
red cedar
dogwood
walnut
Carya 7ft
red oak
bl oak
Nyssa
tulip
Fraxin pers
redbud
red elm
mulberry

Pony
Rhamnus can
Pseudos
vitis
hib rufed
Crossvine

Cynogl. vry *Podoph.*
Gentiana sp *Pellaea* atris
Fumicium *Lith. can.*
Aureolaria sp *Agave*
Verb. helianth.
Viola var *Monarda* sp

In this area, about 80% are hickories.

Herb. cont: -
Thasp. barb. ang. 29
Silene vry
Alesm. sp. *Rhus can.*
Viola var
Thalictrum var?
Arenaria patula
Hyp. dolabr.

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Andr. scop.
Leavenworthia (sp) 30
 on a very rocky part
Blephula var *Conopholis*
Galium var

Less rocky toward top
 where it flattens
 but still hick. - oak

Hickory, about 120 yrs +
 released at 50 yrs. →

Hick. trunks of this size do
 not sprout, except away
 from base in tufts from
 root.

1
 2
 3
 4
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 47
 48
 49
 50

A. D. stellata near top

Fac. urb. vac. slams
SS. fragments

Coming around to
NW(?) side

A. D. stellata area -
lot of wood. perf

becomes a little less dry
looking, + slightly more
oak, but still a lot of hick,

In way down - at ls.
zone

Bumelia

Senecio smaller

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Swamp woods
at Mud

Cut within 18 mo.

Smaller - middle side ✓

✓ tulip

✓ white oak

sw gum

A. D. stellata

dogwood

red maple

✓ beech

Cut oaks

tulip

big, not cut -
beech

Phus toy Osmond reg
 Eryngianer " cubu

Lys. grand
 Lyropus red
 Viola cuc
 Eup. perf

Over fence into not cut
 but grazed (called
 yrs ago)

Big Middle

Surgem ###|||

|||

red maple ###||

###

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2 shells ###

###||

Nyssa ###

|||

D. dig

/

beech

/

bl oak

lily

###||

red oak

/

wh oak

/

Small

Nyssa

Pyrus melanoc

lily

Ilex vertic

surgem

Lycium

2 shells

wh oak

Nyssa

aspl. ff

red maple

Ophoxyl

drum

Trichella

fox lane

This slopes up into

Tulip
Q. digit
Q. velut
Q. alba
A woods dominated by oak
with dogwood, hick
and ^{white} dogwood
of Myss

W. Chinoph.
Tupuluar
var. str. var

groves of middle size tulip

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Ravine toward Otter Creek
that heads at apex of Mill Loop

Secondary woods -

sh. b. hick | on dry upper
bl oak | slopes facing
wh oak | about south
S maple)

l.s. ledge + a s. slope
+ a little farther in -
S maple increases and
beech, tulip, Fraxinea
Lots of little tulip
red oak sw. buckeye
Tillam. luteum
T " gr
Arisaema atro, green spikes
Phlox
Anemone

Ident. loc. Holoentem
 Iris crisp on ledges
 Polypodium Lith. tuberosa
 Lycopodium Salvia lyr
 Galium cornu
 Senecio Smallii
 Euphorbia-mercuria

Small

holly Cucumber
 s maple Cary. v. etc
 yucca wh oak
 Carpinus chestnut
 ash beech
 redbud dogwood
 poplar buckeye

Horsetail fern

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Scedum tenu
 Smilax l. v.
 Benzoin
 Melica

A convex south bet 2 forks
 slope - in angle
 Bl. oak, open
 red cedar,
 Amel.

Andr. 30p
 Ant. Parlin + plouf
 Hypoxis vac. arb
 Sisyrinch. albidus? (spm)
 Euph. merc. Aster laevis
 Melica
 Horsetail (spm) Euph. mer
 Kneiffes of Rura
 King pulch Jaenida

Hypericum aureum
Ran. hisp
Cnicus major

Onto west facing slope -
Ch oak

beech

red oak

Urtica

dogwood

Amel

oaks

Ant sol Lith can,
Dios crust Euph. cor

geranium

Ran. hisp

Senecio ~~tuberosum~~ rot

Lith. tuberosum

Ceanothus

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Heeper in
more meo.

Pachysandra

flown in ravine -
beech

butterfly

red oak

dogwood

Hydrangea

Hamamelis

Leont. dephylla

Pachysandra

brake

Solid. latif

Polypodium

Juncus

Dracopis

Hepatica acuta

Asarum

A slightly broader part
further down -

beech Silene

maple

butternut

2 maple - sacch. + nigra

Ulmus alata

burkewe

Not as rich herb. as
we expect, but getting
more. Should be called MM

Trillium

purple Phacelia

bloodroot

Trillium peruvianum

" grandis

" luteum

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lots of Pachysandra

Stylophorum bank

w. bamboo

Lots of beech repr - about

1 ft - 2 ft. (not sprouts)

Actaea ascutum

Coralroot

Botrychium Opalesgrandis

Tupelo

Aleurone lac + depth

Chrysanthemum

Swainson

Stellaria herb

Caulophyllum

Smilax erecta

Erythronium

Sphagnum on bluff

Ranunculus

Camp. arven

April 27.
Monticello - south.

Otter Creek - variety of comm.
Sheltered or N slopes, much
beech.

Groves of pine on some
of the E. S. slopes (Saw
one yesterday, y. pine, on
slopes down of sp. where we
parked for woods). P. virgin.
more common than y. pine
but both rare. - generally
on low mounds which were(?)
D. digitata ++ or on slopes
down toward rivks or valley
Pine sometimes with tulip?

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Enter Clinton Co.

Dogwood + tulip + an
understory under pine

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| | |
|------------------|--------|
| 4 - Ice | 8 - A |
| 2 - Cascade Cans | 24 g |
| 5 1/2 - to home | 13 |
| 1 1/2 - 7 | 11 g = |
| 13 | 200 me |

Begley's Home for Tourists
London.

Looking across Beaver Creek -
a *Thalictrum* like clavatum
Aristolochia vines