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PERFECTION

Note Book

No. M-808

Chas. Pratt & Co.

11

(on cards)

E. LUCY BRAUN
2702 MAY ST
CINCINNATI,
OHIO

Deciduous Forest
NOT. KY

(over)

Hueston's Woods, Oxford Ohio
Sept 12, 1937
Easter Run, Adams Co. O
Apr 10, 1938
Hueston's Woods May 10, '38
Cliffy Falls Nov 21, 1941
Apr. 13. 1942 Cin.-Springmill
14. "virgin timber" & -
15 Cox Forest, Orange Co.
16 "virgin timber": old village
17. around lake & tr. 1 from
village over to to hotel

Marble Furnace,
Adams Co – Nov. 1. 1942

Spring Mill, Apr. 1942

Huston's, Oxford, Apr. 27, 1945

✓

Sept 12. 1937
Huston's Woods
N. of Oxford, Ohio

I. West of Road
slightly hilly –
beech woods.

beech 17, 17, 7, 42, 7	90
Nyssa 11	2
s. maple IIIII	7
Tulip 1	1

See notes of 8 May 1938

s. maple { black 11
sarch. IIII

Undergrowth predominately
s. maple unit

Nyssa
dogwood
Carpinus
red oak
tulip
w. cherry
Frax. amer
beech
Ostrya
Carya cord
Morus rubra
except on most prominent
slopes, where s. maple
less & others more

Papaw
Pseudera
Sambucus
Smilax hesp
Vitis cordif

Eup. urtic — Polygonatum bif
Beech drops — Phryma
Lappula — Botry. obl.
viola sorora — Hesp. parry
Galium (circ) 4
" cone — Circaea
Impatiens pallida
Podophyllum — Amphicarpa
Hesp. nudiflor — Pilea
Actaea alba — Polyg virg

East of Road

beech forest:—
16, 10, 16, 14, 13, 6, 13, 18
beech 25, 7, 24, 16, 5, 7, 17, 15
s. maple ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ |||| , 6, <
cherry |
tulip ||||
red elm || ash |||
Nyssa | Honey Locust |
hickory (cord) |
includes A. s. negrum - ||||
beech + s. maple prom.
in understory
also present.

Carya cordi mulberry
Fraxinus
Prunus ser
walnut
tulip
Carpinus
Ostrya

Benzoin prospan
Ribes ~~hudsyn~~
Psedera
Menisp
pine
Sphenophys
Rosa setigera
Artuea alba
Viola pent
squirrel corn

Eupatorium
Imp. pallida

Phrynm Eup. purp
Lappula Adenolin
Cicuta Ran. pen
Sol. canes
Aster cord
Desm. nudf
mayapple
Aristolochia serp
Phrynm
Pilea
Jack
Smilax herb
Collinsonia
Dentaria bract

On a low level, no. of s. maple seems to increase

beech 11, 3, 3,
s maple 8, 9, 6,

Undergrowth — much mod. size + small beech + s. maple
with
ash

And in places almost all big s maple

flood plain high
S. maple
16 s maple
1 elm

+ --- s. maple

Under - all s. maple,
too
except one
elm

with much Pelea

Lobelia syph
Eupatorium

road

Lake

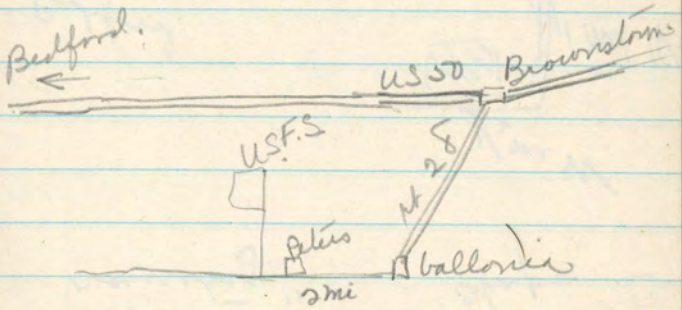
Transects

Simple

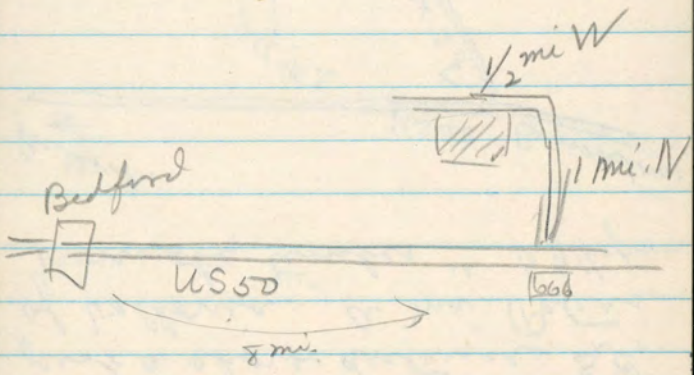
Second growth areas are dominantly s. maple with some tulip

Indiana -

"On the east side of the gravel road about one mile north of the Forest Service nursery just a short distance S.E. of Ballonia. A Mr. Peters owns the timber." A.G. Chapman



"Mrs Reed Ellison, Heltonville, RFD #1 – 12 mi. east of Bedford. – about 1 mi. N of Allens Filling Sta. – beech – maple – poplar.
"See also other woods in this vicinity" Chapman



Spring Mills State Park – a few mi east of Mitchell.

largely whiteoak – y. poplar

Apr. 28. 1935

N.E. of Buzzard Roost Rock; under cliffs, north slope:-

Tulip	17	Ch. oak	2.
Smaple	14	cherry	1.
buckeye	10	walnut	1
basswood	7	red elm	1
ash	2	Sassafras	1 / 56

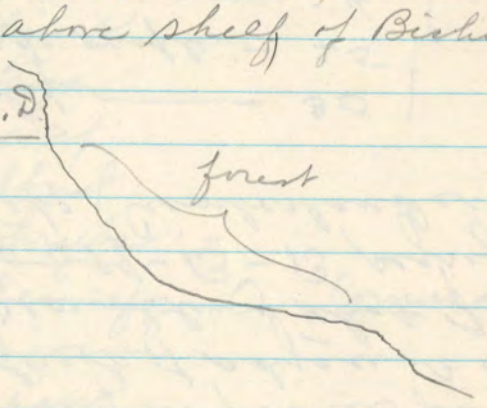
Undergrowth -

Same and		Circaea
Asimina	Aspl. ang.	Viola eria
dogwood	Stylophr.	Erigenia
Stophyllea	Orchis spect	Viola conad
Benzoin	Laportea	Botrych vrg
Carpinus	Smilacina	Caulophr
Ostrya	Polygonatum	Trillium (decl. grand)
Cornus alt.	Arisaema	Asarum
not much tulip	Jeffersonia	Hepatica
		Sanguinaria
		Dent. lac

(See above ↑)

Easter Run, Adams Co, O.
April 10, 1938.

Sugar maple - basswood - buckeye - tulip forest on north slope below Cedarville dolomite cliffs, 18 ft above shelf of Bisher dol.



Forest of relatively level terrace + of very steep slope the same in canopy + undergrowth.

Herbaceous layer rich & luxuriant; richer than that of any other part of forest of adjacent area, & resembling that of the SM-B-B segregate of the Cumberlands.

tulip	30	99 = 87.6%
sugar maple	25	
buckeye	24	
basswood	20	
ash (red or Blk.)	5	
walnut	4	
butternut	2	
white oak	2	
red elm	1	
	113	

Understory: -

s. maple (saech)
dogwood
ash
buckeye
tulip
basswood
papaw
walnut
Ostrya
cherry
redbud

Shrubs: -

Ribes cyn — Cornus alt.
Benzoin
Papaw
Vitis cord
Staphylea
Hydrangea

Herbs:-

Jeffersonia
Caulophyllum
Stylophorum
Trillium decl. + grand.
Arisaema
Erigenia
Dentaria lac.
Sanguinaria
Viola eriv. + can.
Smilacina
Ranunculus recur
Cimicifuga
Polygonatum (comm?) biflor
Asarum can
Hydrastis
Osmorhiza, hairy

Laportea	Mitella
Impatiens	Hepatica

Solidago lat.
Eupatorium urtic
Adiantum
Botrychium virg.
Cystopteris bulbifer

This area lacks beech, although beech is in adjacent ravine and on other slopes.

It is in strong contrast to forest in basin of left fork of the creek

pt 125

SM-B-B-T
1 1 1 1 1 1

Beech -

Forest of ravine just to east of the SM-B-B-T. is mostly beech:-

beech	87	= 57.6%
s. maple	24	= 15.9
tulip	11	
basswood	4	
red oak	4	
walnut	4	
ch. oak	3	
blue ash	3	
ash	3	
Nyssa	3	
hickory (glabra)	2	
red elm	2	
butternut	1	
	151	

Understory:-

Carpinus
ash
Ostrya
cherry
redbud
dogwood
ash (red or Blk)
beech
s. maple
wh. elm,

Shrubs:-

Benzoin
papaw
Sambucus
Menospermum
Alnica
Ribes cyn.

Herbs:

Podophyllum
Jack

Erythronium amer
Anemonella
Impatiens
Polyg. biflorum
Hepatica
Amnifuga
Sanguinaria
Trillium grand.

Botrych. virg
Epifagus
Tepularia
Mentaria lac
Caulophyllum
Solidago latif
Smilacina
Asarum can

Although a consid. number of sp. represented, ground cover is poor - quite open.

Huston's Woods
Oxford, O.
May 10, 1938

East of road.

beech	147	72.4%
tulip	19	9.3
s. maple	15	7.3
ash	10	
stumps	(8)	
big (prob. tulip) (tulip)	(2)	
Nyssa	4	
red elm	3	
cherry	1	
hackberry	1	
Ostrya	1	
	203	

for undergrowth, see over

Under:

beech	raspberry
maple	Benzoin
cherry	Sambucus
mulberry	Asimina
tulip	Impatiens
Crat. punct	sq. corn
ash	Circaea
elm	Jack
O. buckeye	Phryma
dogwood	Ran. recurv.
Carpinus	" bris. Scroph. mar.
Ostrya	Podophyll
Nyssa	Dent. lac
	Spr. beauty
Trillium grand	bloodroot
Dopyrum	y. violet
Delph. tricorne	Erythr

Transition area:

s. maple	16
beech	9

Near Creek

s. maple	34
elm	2
wh. oak	1
sh. b. hick	1

with elm reproduction

✓ Clifty Falls, Ind
Nov 21, 1941

Trail on slope west of creek

beech	𝍸 𝍸 𝍸 𝍸 ||	22
tulip	𝍸 ||	7
s maple	𝍸 𝍸 𝍸 |	16
Tilia	𝍸 𝍸 || — (lvs white below)	12
Aesc oct	𝍸	5
Qu. b. max	𝍸 |||	8
Q. muhl	|	1
wh ash	𝍸 ||	7
Celtis	— | (lvs smooth)	1
walnut	|	1
		80

also —
Cherry, butternut, wh oak (esp S)
Graybrownearth & mull
(ncr)

top –
various oaks (white,
black, digit.
& hickory)

Spring Mill State Park
Apr 14, 1942
"virgin forest"
(see also Apr 16)

	Claytonia vir
Obolaria	Sanguinaria
Tipularia	Hydrophyl macro
Triosteum ang	" vir
Arisaema tri	Podophyllum
Hendersia lac	Solidago latif
"	heterophylla, more leaf
Trillium recurv	
Phlox div	Lobelia (across rd at Lime Cov.)
Cynogl. vir	Epifagus
Panicum recurv	
Agrimonia sp	Asarum can
Viola pal.	Viola triloba
Allium tric	Geranium
Galium circ + –	Shaleh div (dry)
Osmorh. smoch	Adiantum
Helphemum tric	Viola eriocarpa
	amphibrya

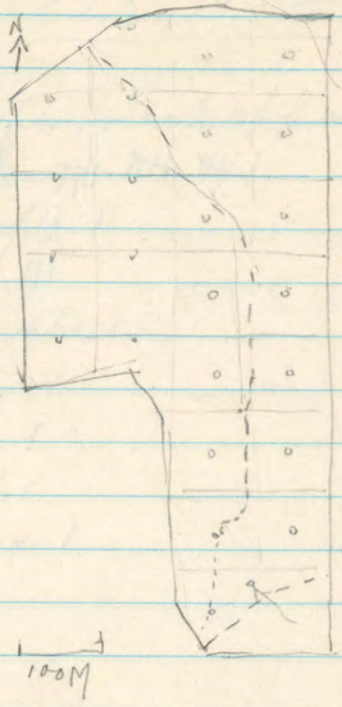
Asimina
Benzoin
Viburn acer
" (dent gr)
" prunif
Carpinus
Cercis
Cornus florida
Ivy creeper

In similar (but cut over)
forest in tr 3
Rubus spect
Ranunculus hisp
Veratrum
Aplectrum
Oxalis viol

A prairie patch above
Donaldson's Cave -

Silphium ter
Dodecatheon
Geranium?
Lespedeza spp
Antennaria parlin
Androp Elliottii
Solidago sem
Thaspium barbinode angust
[again at edge of bluff]
Physostegia

See "Studies on virgin Hardwoods:
I - Density + frequency of the
woody plants of Donaldson's
Woods -
Lawrence
Co. Ind
- S. Cain



26
19
16
63
23
14
15
206
51
15
41
313

Cox Forest
1 mi S of Paoli
Orange Co Indiana
April 15, 1942

East slope, just off rt 37.

beech ~~IIII~~ ~~IIII~~ ~~IIII~~ I	16
s. maple II	2
tulip III	3
Carya ovata I	1
Frax. - I	1
Qu. alba I	1
walnut I	1
Q. bic mac I	1
	26

Large repr.	Smaller
tulip	Cercis
ash	mulberry
maple	Acer sach + neg
beech	papaw
Q. bor. maj	Frax penn
walnut	Ulmus fulva, amer
Carya vola	beech
Celtis	walnut
Ulmus fulva	cherry
Q. alba	tulip
	Cornus florida
	Carpinus
	Sassafras
	Amelanchier

~~Small~~ Herbs, etc

Uvularia grand	pit. acerif
Sanguinaria	Benzoin
Dentaria lac;	hetero
Trillium pecun	Sambucus
Cubelium	Erny. atro
Smilax hispida	Menisper
Impatiens pallida	Rubus occid
Eugenia bulbosa	Smilax rot
viola eriocarpa	Rhus typ - only
Asarum can (acum?)	notices in first stage
Anemonella	Polygonum
Erythr. amer	Oxalis vioh
Jeffersonia	Eup. urtic
Claytonia	Polygonatum pub
Carex - marlanandyna	Aplectrum
Cynoglossum	Orchis spect (sub)
Podophyllum	viola hirsut
Delphinium	Arisaema

Can. recurv

Part of east slope is secondary – with trees of sort listed as "large" type

Sandstone fragments midway on slope; l. s. sinks below.

Large:

beech ||||/ ||||/ ||||/ ||||	19
tulip ||||/ ||||/ ||||/ ||||/ ||||/	25
walnut	1
Q. bor maple	2
s maple	2
	49

Walnut — bites
Qu. bor maple
butternut
tulip
Carya ovata
" cord?
s maple
wh elm
ash
Qu vel

Phegop. hep
Dryopt. vol
Adiantum alba

A windswept area on a S. slope, where fragments of s s show in moss, has beech. It is S. slope toward a deep sink

beech ~~IIII~~ II	7
a maple III	3
tulip I	1
bl oak II	2
Carya ovata I	1
Carya gl. I	1
Qu alba I	1
	16

Top

wh oak III	3	
Carya glabra II	2	
" ovata II	2	
tulip II	2	
Qu vel ~~IIII~~	5	
ash II	2	
	16	75% O-A

has been destroyed as indicated by hickory & chestnut

hick is oak - hickory

top facing east - has huge ash, walnut, wh oak red oak & hick

Dsly
beech
Cornus

Around to east edge of woods and into east facing cove

beech ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~	22
Tulip ~~IIII~~ II	7
s. maple ~~IIII~~ ~~IIII~~ I	11
walnut (weighing nuts) ~~IIII~~ ~~IIII~~ ~~IIII~~ II	17
ash I	1
sycamore I	1
red oak II	2
Celtis I	1
wh oak (high) I	1
	63

sguinicoin
cel. poppy
Erigh amer
Eugenia
Sanguina
Dent. helen & lac
brola pap
Anemonella
Trillium pec
Podophyll
Cystop frag
Claytonia
Adiantum
Impatiens
Stellaria pal. syl

Benzoin
Asimina

Ridge bordering cove on
notch (1)
white oak ~~||||~~ ||||
tulip |
~~walnut~~
Carya ovata |
beech ~~||||~~ ||
ash |
bl (red?) oak |
Sassafras |
s maple ||

Dry wh. oak and s maple

Dense hemlock in cove, hardly any underbrush

(1)

(2) (3)

Down on this level ↑ (almt 15-20 ft below), more beech
Ostrya

more bloodroot
Hydro macro

(2)

beech ~~||||~~ ~~||||~~ coffee tree
wh oak |
Carya ovata |
s maple |
tulip |

(3)

wh oak ~~||||~~
beech |
red oak ~~||||~~
(ident from top branches)
Carya glabra |
ash |
s maple |

Off on north side of ridge from ① ② ③, facing Paoli

(N)

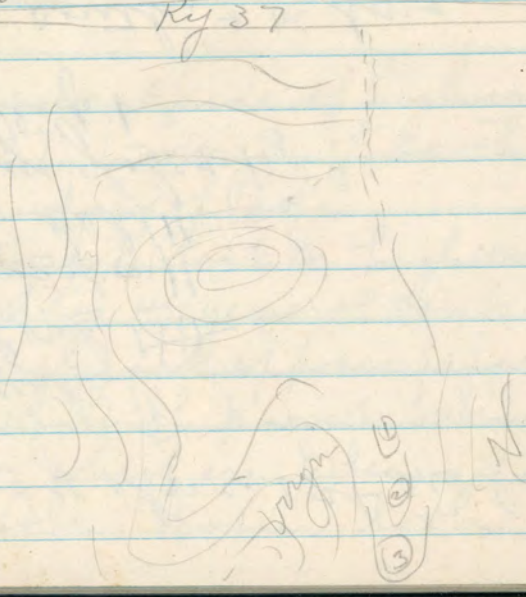
beech	~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~	20
s maple	~~||||~~ ~~||||~~ ||||	14
tulip	~~||||~~ ||	7
ash	|	1
walnut	~~||||~~ |	6
red oak	|	1
red elm	|	1
Carya cord	|	1
		51

Repr –

s. maple	beech
ash	cherry
Oskya	dogwood
pitch	oak
red elm	mulberry
tulip	Acer
red oak	

sq corn	Anemonella
Claytonia	Polystichum
Stylophorum	Dentaria laciniata, heterophylla
Erythronium	Epifagus
Eugenia	

Ky 37



Ridge above 1st sink

beech III
bl oak ~~IIII~~
Sassafras II
wh oak IIII
Carya glabra I
tulip I

To south, & on long
slope from highway
to ravine s. of sink
(add this to first count)

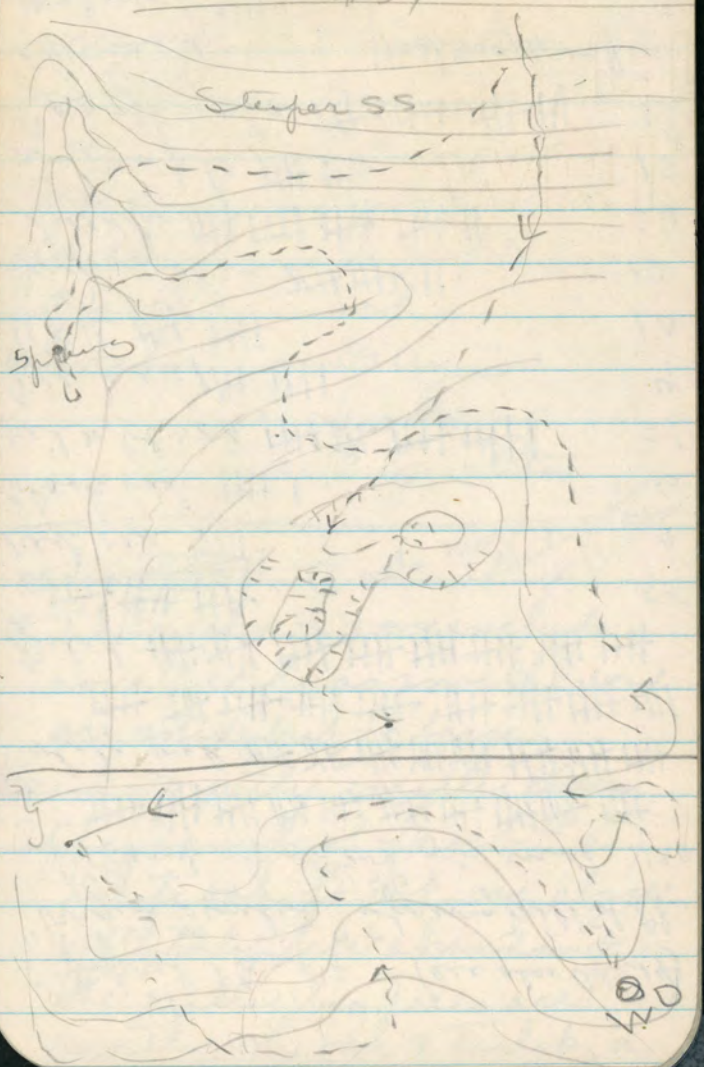
beech ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ I	21
walnut ~~IIII~~ II	7
s maple ~~IIII~~ III	8
Carya ovata II	2
tulip II	2
red elm I	1

Aralia spinosa
delphinium
Dutch. breeches
Celastrus
Hydrangea
Gymnocladus

On east side of highway
#37, 1 mi. S. of South
boundary of Paoli.
Forest flats on high country
& slopes in general east.
High part appears as part
of rim of karst basin
in which are Orleans &
Paoli. Basin looks

much like Miss. Plateau
in Ky - Rolling with
shallow pinhole bluegrass.
Scattered large p. mapli
+ a few beech. This
in contrast to somewhat
rougher terrain near
Spring Mill, where
more white oak
(Look at geol map)

#37



April 16, '42 (see also Apr 14)
"Virgin Timber," Spring Mill St. Pk.
(band about 150 200 ft wide) 134

134 white oak	134
tulip	55
red oak	4
black oak	6
red or bl. oak	21
Nyssa	9
Ash	10
*-1 Carya glabra	12
beech	22
s maple	10
Carya ovata	18
elm 1	red maple 11
walnut 111	

Larger reps	Smaller mostly
Cornus florida	Carya cord.
Sass	Cornus florida
beech	Sass
red oak	s maple
Carya cord	ash
wh oak	Ostrya
	Mulberry
	Carya ovata

~~red maple~~ 11 C. ovata may include a few (or 1) above

*-1. C. glabra - may include some C. cord., as small C. cord are noted, but no large

Beech - mostly smaller ~~than~~

Appearance of forest - a white oak forest, in places with tulip tree abundant. The really big trees are mostly wh. oak & tulip, a

few large C. ovata + Qu. red & black, a few large beech.

In large repr, beech is abundant even in places dominantly white oak; also p. maple is abundant.

Indications are toward an increase in beech + p. maple with plenty of tulip, ash; i.e., when the old white oak die out they will not be replaced with wh oak. There will be some wh oak, plenty of red-bl. oak, of C. glabra + ovata, & much more beech & s. maple than.

Herb. plants do not (in spring) form a layer; plants very scattered. Forest floor appears almost devoid of herb. plants, etc. for a few patches of Podo. & Dent. Add. herb (see Apr 14 list)

Carex spp -	2 in montana gr 1 in lobifl
Sanicula sp	Aster cord.?
Prenanthes sp	Epifagus
Silene stellata	Kuyarpes
Lilium	Frasera
Monarda	Apleurum
Geum vernum	Brachyelytrum
Polystichum	Anemonella

Larger trees below canopy

wh. oak
beech
ash
s. maple
bl oak
red oak
Carya ovata, alba
glabra
hackberry
Cornus florida
Cercis
red maples
walnut
red elm
Nyssa
C. alba
tulip

all smaller woody trees, shrubs etc

		Euony. atro
Benzoin	walnut	Ostrya
Asimina	Sass	Carpinus
Cornus florida		Nyssa

Frax - all small ones have red bud, convex lf. scars & some are velvety

Cercis
s. maple
beech
cherry
red maple
red elm
wh elm
mulberry
C. alba, ovata, glabra, cord.
tulip
wh oak

Rhus typ
Pseudera
Smilax b. n.
" hispida
bib. acer glabra
" dent. gland
" prunif
" sim " latifolius
Cornus stoni
Symphor
Sambucus
bitis
Rubus occ

Apr. 16-17 - Slope toward Lake - Spring Mill S.P.L.

Lower northerly slopes - below massive l.s. into which sinks in plateau above lead - woods has something of the aspect of M. M.

Trees are beech, wh. oak, sh. b. hickory, hickory, red oak, + in places, Tilia i.e., in deepest ravine, a suggestion of M. M.

On slopes above "spring" at Spring Mill village - beech - + with Trillium nivale. Here beech to top of ridge. Some beech on southerly slopes below ledge. Whole

forest above this horizon is type illustrated by "virgin Timber" tract.

En Route - Cin. to Spring Mill
Apr 13. via U.S. 50

West edge of Jennings Co -
a woods, somewhat hilly
is mostly beech with
adm. of oaks. Many
spring flowers, including
springbeauty, Dent. lac. &
heter., Trillium recurvatum,
Phlox, Polemonium. - -

In Jackson Co., on a
bluff facing west,
much hemlock - This
is north side of U.S. 50.

Woods to south of rd., with
much beech -
Has sq. cor + D. beech -
- -

This is a short way east
of the "blue grass basin"
that Bedford is in

En Rt. - Springhill to
Cin., Apr. 18. Ora Ind. 5-6 +
Ind. 3 to N. Vernon.

Most of woods is oak
ravts or else flat woods

Deep ravines have beech.

Marble Furnace,
Adams Co., Ohio
Nov. 1. 1942.

wh. oak - bl. oak, with Q. muhl. ①
wh. ash, a few walnut

Q. alba	30
Q. velutina	16
wh. ash	8
Q. muhl.	2
Q. coc.	2
walnut	1
Carya ovata	1
	60

Smaller trees are -

wh. oak	red elm Acer saach & Negr
C. ovata	Ostrya
dogwood	Aesculus (gl.?)
Q. muhl.	wh. ash
Prunus ser	Frax quad

Vib. dent.
" prunif
Xanthoxylum
Ribes cyn.
Rhamnus car (upslope)
Smilax hispida
Rubus vel.
Rhus car
Rosa setig

Ranunculus hispidus
Polemonium — Sedum term
Triost. ang — Senecio obov
Samuela grey.
Galium circ
Silphium tri
Solidago ulm.
Phlox div.

(2) Upward, changes to
Black oak - ch. oak - wh. ash:-

Q. velutina	22
Q. muhl	17
Q. alba	17
wh. ash	7
Q. coccinea	3
Carya ovata	2
nyssa	2
Q. stellata	1
Frax. quad	1
tulip	1 } on top of
s. maple	1 } ridge
	74

dogwood
Ostrya — cherry
redbud — Carpinus
ash — red cedar
ch. oak

vib. dent	Xanthox.
Rhamnus car.	Asimina
Rhus can	Celastrus

Solidago ulm. + caesia
Aster lateriflr.
" cord.
" Shortii
Senecio ob.
Sanicula
Phlox div.
Galium conc
Scutellaria int cord
Agrimonia gryp.
Conopholis

③ White oak type,
n. w. of end of knob:-

Q. alba	53
wh. ash	7
Q. muhl.	2
Carya ovata	1
	63

Under:-

Carya ovata, C. glabra	
Acer saach. + nigr.	
wh. oak	cherry
elm	Ostrya
white and blue ash	
Evony. atr	Polemonium
Rosa set	Ran. hisp
	Houstonia purp
	Solidago ulm
	Polygon. comm
	Korycarpus

Hueston's Woods
Apr. 27. 1948

Rubus occ — Ostrya
Benzoin — var. Phryma — pach + neg
Sambucus — Circaea
Ribes cyn — Ran. recurv
Rhus typ — " abort
Parthenocissus — Prenanthes alt
Smilax hisp — Eup. urtic
Evony. obov. — Impatiens p.
Menispermum — Galium aparine
Eup. dolpe — Mentha arv
Viola pap — Arisaema tri
" eri — Mentha can
" pub — " can
" sororia — Arisaema dra
Claytonia virg
Osmorhiza hairy
Galium, 6 lvs
Geum vernum

Podophyllum
Allium tric
Polygon. ~~lapt~~ pub.? + comm
Lappula virg
Erigenia bulb
Scrophularia maril
Collinsonia
Epifagus
Trillium grand
Erythronium amer
Camassia
Bolusch. vag + obl
Geum can
Trillium sessile
Actaea alba
Hydrophyll + macro
Sanguinaria
Paraxgrass

Carpinus
Smilax herb.
Cystopteris
Dalibarda repens var glabra
Polygonum virg
Isopyrum
Selinum

Stellaria pubera, grows in clumps but does not look like M ms
In back part down near to Ran. parvif

Smilacina racem

Lowest - maple - part slight slope, creeksides of Ranunculus parvif & where some elm
Dicentra can
Viola striata | Sambucus
Hydrophyllum tri
Isopyrum
Trillium pess
Tiarella cordifolia
Viola pub
Claytonia
Erythronium
Eup purpureum
Actaea alba
Campanula
Viola rom
Erythronium americanum

Carpinus

A beech-maple forest
at T. creek
has Phlox divaricata
Dentaria
redbud
(Returning)
(a buckeye in a maple-elm)

29
32 - Cucaen
31 cyper

14 col.

32 s |..|..|..|..|..|..|..

3 x 14 = 42
33
75

The paucity of sp of Gr + Cyp is due in part to ~~[illegible]~~ inability to preserve in veg. Cond.