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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.

1943-8

Memorandum

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21

E. LUCY BRAUN

2702 MAY ST

CINCINNATI, O.

1943 - 8

Aug. 16. Morton Arboretum,
Lisle, Ill.

Aug. 17. Harms Woods,
Cook Co. Forest Preserve

Aug. 18. Milmette to Bellville
(Orchard Terrace) Ind.

" W. on 58; S. on U.S. 45 to Hanksville,
U.S. 52 to Kentland; 41. to
Sterling; 34 to Ligon; 39 to Bellville

Aug. 19 Bellville, Ind. - Cin.

Aug. 16

Morton Arboretum

Big: - Rust, Ill.

Red oak

Tilia

wh oak area D or

wh ash "native woods"

s maple

Undergr. of.

s. maple

Ostrya Prunus serot

wh ash

red oak

Corynocord

Tilia

red elm

wh oak

Mull berries

Hepatica acuta	Praderia
Phlox div.	Crataegus sp
Silene virg	Cornus sp
Sol. latif.	P. m.
Aster shortii	Xanthox
Eup. vertic	Pubes occ.
Sambucus	Sambucus can
Urtica gr.	Amphicarpa
Polygonatum	Sorbus herb
Paleomonum	Aster solity.
Geranium mac	^{pub. thalictroid} P. m.
Viola sp	Circaea
Botrych virg	Comp. am.
Ranunc. Ches	Polygonum virg
Agropyrum	Adiantum
Panicum	Galeum conc
Allium tric	Heoscorea
Cryptotaenia	Desmodium
Pilea pum	Hystrix h
Solid. ulmif	Scropularia
Trisetum	Cryptotaenia

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Spring slightly up hill to

①

Wh. oak		27
S. maple		12
Red oak		28
Julia		Walnut 1
Wh ash		15
<u>included</u>	quite large wh. oak	
	red oak	
	ash	
	Julia	1

S. maple, although present, is not prominent in repr

Mull humus, on rolling land.

Area ① on map

"Nature trail"

maple
Impatiens pallida
 (2)

10 wh oak IIII IIII
 8 Lilia IIII IV IIII
 35 red oak IIII IIII IIII IIII IIII IIII
 10 red elm IIII IIII
 22 maple IIII IIII IIII IIII II
 6 bur oak IIII I
 14 wh ash IIII IIII IIII
 9 elm IIII IIII
 6 walnut IIII I
 Prunus serotina I

Carex	Smaller
Pilea	s maple
Jac puz weed (Ruf jump)	wh ash Present
menisperm	Styrac Present
	Lilia

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Largest (included in above count)

wh oak 1
 wh ash 1
 bur oak 1
 s maple 1

Phlox der *Impatiens pallida*
Pseuder

Solid. latif *Woolen*

Raportia *y violet*

Gerani *Polemoni*

Sonch *Chrysa*

Umbaru *Polyg. veg*

Coraco *Spulau*

Pilea *Actaea abo*

Hydrophyllum append

Ampelocarpus blanda

no *Hepatica* diam 23cm

wh ash 91 yrs, about 2x

length of upper note book

This is approx 70 ft.
 How did it get here -
 By way of Lake Chicago
 outlet from Ill. gl. core
 not from east - because
 beach has not come,
 but from p. & s. w.

Woods counted on previous
 p. (area D) is flat.

Now sloping up (3)

red oak					20
bur oak					5
wh ash					18
s maple					23
Lilia					11
wh oak				red elm	
walnut					

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Eup. vertic	Pradera
Camp. amom	
Solid. latif	Pat ^{s maple}
" ulmif	Cystop. frag
Cressa	G. violet
Bloodroot	Ran. hisp
Hepatica	Hydroph. app
Polyp. var	Eup. vert
	Botrych. var
	Smilacina

Undergr. -

S. maple

Carya cord

Lilia

Ostrya

wh oak

Galium sp

Prunus serot

Locally going into
 s. maple - wh. ash - red oak
 |||| ||| ||| |

A ridge in Parky
Area 6 is wh oak

a wh. oak, 110 yrs, diam ^{23 in}
~~thin. less than 2' x open n.b.~~

wh oak IIII IIII IIII IIII IIII
bur oak IIII IIII
red oak IIII IIII IIII
Hill's oak IIII
red elm I
walnut II
A cord I

Underg - Pr. serot.

S. maple, red oak, redbud
Crot. sp

Aster downy, rough, sim
to A. cordif

Rubus occ

Eup. urtica

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Geranium

Vicia y. put.

Circaea

Celastrus

Rubus cyn

Cornus sp

Vib. ~~sp~~ prunif

Geranium

Galium core

Eup. purp

Robinia

Agrostis grif?

Rubus black

Osmorhiza

Oak woods varies from
pure (or almost) bur oak, W
white oak - W mixed.

Whole terrain rolling -
on clayey moraine hills.

Aug 17

Harms Woods -
 Entrance on Harms
 rd. from 58 bet.
 41 and 42 A.
 (West of Evanston, Ill.)

①

Elm ^{white}					21
red oak					18
red maple					8
basswood					16
wh oak					11
Coryvata					5
wh ash					4
s maple				Hills Oak - 1	1
bur oak				1	1

Carpinus red oak
 Crataegus red maple
 wh ash s wh oak
 Lilia s maple

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Urtica erio Crataegus
 Spring beauty Conyza
 Sanicle
 Aster luteus blue lobelia
 Smilax herb in opening
 Geranium mac.
 Dryas octo Pilea
 Phlox div Lilium can
 Potentilla can Sanguinaria
 Thaspium acu Thal. dia
 Polygonum v. v. Galium
 Cardus arund cone
 Glehnia villosa Bidens
 Solidago caesia Helianthus
 Cryptolaena Helianthus
 May apple light green
 Parnassia (chev) 2
 Carex
 Ranunculus rept
 Onoclea
 Arisaema triph + Proc

② ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~

63 S. maple ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~

5 W. ash ~~|||||~~

5 red oak ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~

elm /

21 basswood ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~

oak oak ~~|||||~~ ~~|||||~~

red maple 1

3 red elm ~~|||||~~

1 low Prunus 1

much smalls maple
Hepatica starts where
S. maple starts

Hammalia present

Heracleum red elm

Aster Shute Aster wood

Fruiting grass Prunus

Solidago latifolia ser

blue violets ^{elm} ^{cupress} ^{Hyssop}

Urtica ^{Det. alba} ^{Gurgueneria}

Camp. amer ^{Amphicarp}

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very Smilacina

Pectea Polygonum

carya cord Botrych. very

Flora plain woods

collared wood + silver maple

Above it is elm - silver maple + basswood

① Opening in ① - low

+ wet, ① with ^{sw ph. oak}

Scirpus lineatus

Iris vers. Drypops

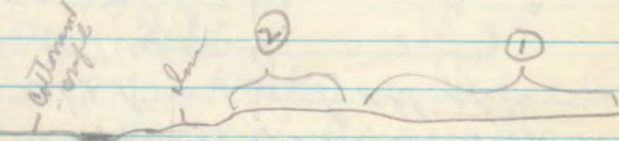
Dobelia sp. ph

Ran. sept.

Solidago gram

Much young Ilex bron

them



↖ N. Branch, Chicago R.

Samolus
Phlox ~~des~~
Vicia pap
Smilacina
Cryphaea
Polygonum
Polypogon
Ampelopsis
Rudbeckia
Eup. purp
Corylus
Geranium
Asarum
Laportea
Thymus
Eup. vertic
~~Asarum~~ trap + Drac
Vicia pap

Small to m. ridge
elm, ash, Lilia

Corp. s. maple,
walnut

The above is on a

high-level floodplain
dropping off abruptly
to river

The whole of the Harms
Woods area is essentially
level (except at river banks).
There is no marginal or beach
ridge within the area.

Development illustrated
by 2 series, one from
wet flat or depression to
drained upland near river
"bluff"; the other the flood-
plain series.

Aug. 18, S. from 58
on US 45 (west of Chicago)
(See map of Chicago + vic.)
Forest Pres. No. 24
oak woods

28

Argemone Forest (Spears)
oak woods; red oak
white oak, hickory, walnut
brown oak, hills oak
Burr oak, ridge oak
Red oak is oak, but
apparently more abundant
in lower parts.

Argemone Forest has
var. of habitats & look
good for study & for
counts.

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30

Swanton Cliff area
is a hill top above
Culcutt Sag channel
appears to be oak

18 mi. S. of US 30
one of the trees left in
clearing is a white oak

at Bradley (just W. of
Kankakee)
a grove: - s. maple
White hickory,
red oak, brown oak
walnut.

A small specimen in
roadside ditch, about
10 mi. S. of Kankakee

Cross Street -

terrace level is
bur oak, walnut
Gleditsia, yew
red oak, Lilia,
hickory.

Cross Des Moines R.
silver maple & elm

On 52, 1 mi. E. of (D)
Quercus imbricaria
with other oaks on a
sandy oak ridge
mostly b.t. oaks, which
are Q. velutina, at
least most of them

about 5 mi. E. of 52 & (D)
a grove of all Q. velutina
on a sandy very low

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Broad ridge (Puff
bracted labiate in soil)
many prairie plants
incl. Helianthus mollis

In Des Moines, a
grove with red oak,
bur oak, shell bark
hickory, walnut.

Borders of Des Moines R.
silver maple, black
willow, sycamore

grove: blk oak, bur
oak, Carya cordiformis,
ash, white elm,
red elm, walnut
Lilia, wh. oak

In Indiana, E of
 Sheldon Ill. Good
 prairie strip bet. road
 & r. fr. incl. *Stelionchus mollis*

Je 41 with 26, oaks on
 low hills
 Prairie plants common
 Prairie soil but not
 on ridge.

On 41 s. of 26:

bur oak, wh. oak, shell b
 hickory, *Q. rubricaria*
Q. velutina, walnut
 Tilia: -

	{###} {###} {###} {###}	} Smaller
White oak	{###} {###} {###} {###}	
black oak (vel.)	-###-###-##	
walnut		###
Tilia - 1		

S. imbr. - ###
Prunus ser. - 1
Carya ovata ###
Asiya - 1
Carya ~~sp.~~ 1
 bur oak 11
 wh ash 1
Corylus amer
 1-4 ft bur eye
 red oak 11
 elm (wh) 1
 mulberry (small)

Adj. slope shows Tilia,
 bur eye, red elm
 This "oak-hick"
 wood is pastured
 & trees are not close
 enough for cont. canopy
 Rollins Land

S. maple on slope of adj. crek
 Cross creek + up to: -

wh oak	###	###	###	###
red oak				
s maple				
C. ovata				###)
wh ash				
Ostrya				
Prunus serotina				
Q. velut.				
red elm				
Geranium				
Alesmodum				
Anem. v. v.				
Solid. ulm				
Vitis				
Piny				
red elm				
Celastrus				
Ribes cyn				
Pseuder				

Tilia - 1

walnut ||

Carya cord

||

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Scut. incan

This is across creek, up
at same level as last page.

Some areas have more
large walnut, sugar
maple + more Tilia on
riverine slopes.

Red cedar on eroded bank
at Carbondale.

Good sugar maple
occupying creek
banks + slopes,
leading up to oak-
hickory woods (just
of jet 03)

Cur oak at Jct. of 41
with 28
Prairie slope with
lots of maple

Cross Nabash R.

Forest plain trees -
silver maple, Cottonwood,
sycamore & hl. willow

going south, notice
much more sugar maple
(in woods to East) &
type seems to be
changing. (6 or 7 mi. S.
of Alton). apparently
have passed out of
oak-hickory. - It has
changed - maple in
all directions, on flat,

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rolling land & slopes

4 mi. farther, enter one
*beech (1 mi. N. of Sterling)

on 34

3 mi. E. ^{onward} more oak with
sugar maple, but rest
a woods with much
beech & sugar (&
only a few oaks)

Secondary oaks are
more oak.

at 4 1/2 mi. creek cutting
massive rock.

* At Belvidere at
summit, a big tulip
tree

hackberry, red oak, hick

Tilia, sugar maple
elm, ash, walnut,
on a south facing
ravine slope, E. of
Bellevore

* Key coffee tree
Tilia continues present.

1/2 E. of Waynetown,
a maple-beech wood

4 1/2 E. of Waynetown
maple woods, grazed.
with a few beech
and oak, shell bark hickory
& a hickberry (gravelly
clust across rd, ^{margin})
mixture of white oak,
hickory, maple etc.

7 1/2 mi. E another
maple oak mixture (Quercus
petronia)

8 or 9 mi E. of Waynetown
maple-beech-hickory
oak - Tilia, walnut etc

9 mi. E. going down
hill, to Big Creek
* Redbud, lots of oak
on steep slopes - red,
white & milk, sugar
maple, Tilia. (all
gravelly)

about 3 mi E of Cranford
crossed glacial till bank

5 mi E. of C.

maple, beech, Tilia continua
etc.

at New Ross
oak grove - white oak
+
then a maple grove

on 39, S. of Dayton.
oak occupies the
poorer drained parts of
the plain - white oak
beech, w. pin oak around
mudde.

at Danville (ind)
tulip trees.

south of rd 36, gets
hilly (for this section) with
a number of ravines transverse
to rt. Had been on Dayton
Till Plain.

Aug 19.

Sassafras + Cornus florida
south of Monrovia on 39
soil is very much dissected
going down to a creek ^{with broad}
Road cuts show fine ^{red.}
yellow earth in places
some pebbles. At creek
level, road cut in rock
Valley slopes with mixed
forest: maple, beech, tulip
walnut, dogwood, cherry,
elm, O. pensylv. O. luge,
(White oak on ridges at
the top) &
& mudde, red land,
hackberry, red oak, palom
Dissected gravelly terrace
of White R. - oak woods
with Sassafras

on 4/4

Aspect is N.M.
Country is hilly
Ky coffee tree

44 bet. Martinsville & 136

Substantially dissected,
with many fairly deep &
steep sided ravines, cut
(I think) in drift.

Aspect, even in 2ndary
stands, is ~~variable~~ ^{mostly} due
to great no. of kinds of
trees. ~~Trees~~ In the
flat to rolling areas (not
large) bet. maturely dis-
sected parts, mostly farm
but in one place saw
big 3 maple, beech, & wh
oak.

Trees of the dissected

part include: -

<u>S. maple</u>	mulberry
<u>beech</u>	dogwood
<u>tulip</u>	Sassa.
<u>walnut</u>	Ky. coffee
<u>w. cherry</u>	wh. oak
<u>wh. oak</u>	hackberry
<u>red oak</u>	red elm
<u>Qu. muhl</u> (on drier sites)	redbud
<u>wh elm</u>	strawberry tree
<u>Ohio buckeye</u>	paper
<u>Caryn ovalis</u>	Benzoin
<u>Caryn sp.</u>	honey locust
<u>Tilia</u>	

At Burkhardt Creek -

an excavation in sand -
apparently a local terrace?
deposit

E of Franklin
land gently rolling
to flat.

Beech
shell bark Hickory
wh. elm
pine oak
sycamore
blue ash?
tulip

Bet. Greensburg & Bateville
lots of upland woods
with beech, wh. oak,
saw gum, elm, pine oak

and ravines with sugar
maple, beech, walnut etc

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E. of Bateville
43.5 at Morris

45.1 gravel rd. S to
N.W. along west edge of
woods

45.6 small woods with
ravines, on road 46

Je 1 at 48.1

51.4 at Lawrenceville

19
25
18

22
36
120

105

62
27
89

62
12
74

39 5 to 67

39 + 67 to 44

44 E. to Shelbyville

29 thru Greensburg to 46

46 to 502 via Harrison