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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.

1943-10  
(Sept)

Memorandum

A decorative flourish consisting of a diamond-shaped element with internal patterns, connected by a curved line to the end of the word 'Memorandum'.

23

E. LUCY BRAUN  
2702 MAY ST  
CINCINNATI, O.

- Sept 23. Cooks Forest - Kane &  
Ludlow; Tronesta, Fred  
" 24. Tronesta virgin forest  
" 25 Tronesta Forest, Cherry  
" Run to East Fork Run  
" 26. Kane - Sheffield -  
Bull Hill rd to Hests  
Content D - Tideoute -  
Kinman, O.

Sept. 23<sup>e</sup>  
Cook Forest to Kave  
Brown's Run Trail -  
near creek on upland  
in Cook Forest.

Woods is beech & red  
maple, mostly; hemlock  
wh. pine stumps (few)

middle size, beech,  
cherry, red oak

Vib. alnif. (lots); lent, acer.  
Hamam. Azalea  
Cypripus in creek

Gaultheria	Asp. spec.
Melchella	" int.
Umb. pedal	Moranch
Aster dir?	Medela
Epifagus	over

Cypripedium - carpets of it  
Riparian - Ordovician  
Whole falling - Juncus  
Clematis - Riparian  
Aralia nudicaulis - Montrose

Small beech, chestnut  
red oak, red maple  
hemlock (locally common)

In places, woods in  
2<sup>nd</sup> growth beech (spruce)  
& red maple

More lux. ground veg. than  
other places, prob  
because of dominance  
of decid. sp.

There was a lot of pine  
& not so many big beech;  
now many small size  
beech

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Ironstone Cr. area  
cherry 9 ft - 2 in circ

pipeline W by N  
N - S nearly

Highway 68, Vornville  
to Kalmer.

East of Marengo,  
S. maple & tulip appear  
upland not dissected  
but rolling, & maple  
abund.

Many 2<sup>nd</sup> day sprouts  
forests of S.M. & beech,  
with red maple in lower  
places. Occ. basswood  
& a good deal of tulip -  
if much disturbed,  
no vestige of orig. type,  
instead - thickets and

open aspens pin cherry

Approaching Kane,  
topogr. changes - much  
relief,

In many of the maple &  
beech areas, there are  
smaller hemlocks.

P.M. - to Ludlow,  
& into East Teton  
Creek natural area.

Ludlow - 6 mi. S. to  
a F.S. gate; 1 mi. on that  
rd. to top.

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Sept. 24

Following N-S pipeline

Hemlock - beech  
comm. from intersect.  
on up hill

beech in all size classes  
much small beech  
very few " hemlock,  
none in much of it  
some s. maple under; occ. <sup>currant</sup>

Acer penn Asp. spec  
vit alnus Asp fl  
Pib. acerif Osprey Clayt

Lonicera cañ  
Opalis mont  
Hallebarda  
Cercocarp  
Laportea

*Viola blanda* or *fallax*  
*Lup. luteus* *Trifolium*  
*E. fulvum* *Mitchella*  
*Arctostaphylos* *Urtica sessilis*  
*medeol* *to fruit?*

Viola rot  
 Big trees are hemlock  
beech, occ cherry  
 & occ SM

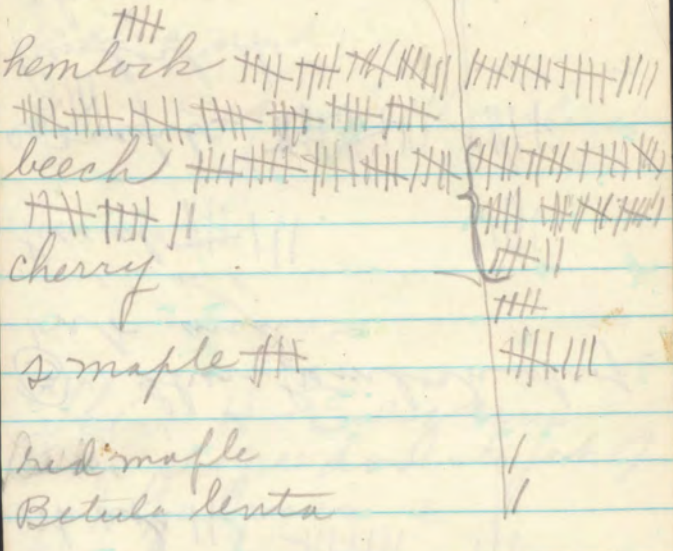
beech in all size classes  
 cherry in all

About on top -  
 a big encounter  
 with the beech

In a 2<sup>nd</sup> growth top -  
 a tulip tree about 1 ft. D.

Returning - Salmony Pipeline  
 ① Gorney S again on Pipe-  
 line

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sort of a hump sloping  
 down into little prairie

(2)

hemlock	###	#####	
beech	###	###	
cherry	###		###
s. maple	###	###	###
ash			

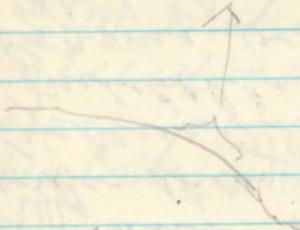
(3) Then hemlock drops out and -

beech	###		
s. maple	###	###	###
hemlock			
cherry			

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*Aralia nudicaulis*

This SM area localized



Then H-B again

(4) on slope down to foot of poplars

hemlock	###	###	
beech	###		###
sm			

(3)



defunct description

(5) At top of paper, at top of on slope on sort of terrace  
 hemlock III III | II  
 III  
 beech | III III  
 3 maple |  
 cherry |  
 Bet lenta |

This becomes almost all H  
 with rapidly size bed  
 very much Lycopodium  
 other things scattered  
 Habenaria  
 Mitchellia  
 Pogonia  
 Medeola  
 Arisaema  
 Asp. Fern

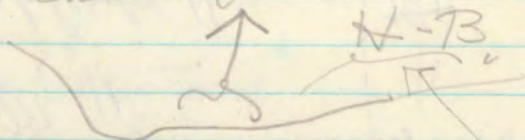
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(6) The convexity just before the Creek, has  
 S. m. with the Hemlock  
 & beech, & a big Bet  
 hemlock III III III | III III III  
 III  
 beech III III | III III III  
 II  
 SM II  
 Bet lenta II | III  
~~S. maple II~~  
 cherry |  
 y brush |

Coptis	acropem
Ornithogalum	orbalm
Asperula	Galium
III orb	Lycobosc
	Tricyrtis
	Mitchella

Creek flat -  
 hemlock  
 brush  
 brush, Betula  
 red maple  
 Trillium

A 2nd growth area  
 near creek



has beech  
 Betula  
 lichen  
 cherry  
 red maple

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Returning on trail  
 from spring

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Through low-lying  
 hemlock-beech; - (7)

hemlock	###	###	###	
beech	###	###	###	
maple				
Betula				
Y. birch?				
B. maple				
Aspen				Aspen
but alnet				but alnet
dry mint				dry mint
Acer penn				Acer penn
				Medeola
				Mitchell

Small: - beech, & maple,

The hemlocks the largest  
 trees

driving back,  
Top of Hill N of  
Trometa creek -  
at borders of clearing

wh. pine	} would be middle size in forest	
red oak		
s. maple		
beech		
cherry		
wh ash		
Amelanchier		
red maple		
vb. acerif		Gaultheria
Brachyot		Butchella
aralia open	Aster maud	
	Marianth	
	asp. marginale	
Amel. tree	33 trees	

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wh pine 5 ft  
wh pine stump 15 in, 6 yrs  
Little - beech  
s. maple  
hemlock  
red oak  
ash  
cherry  
Bet lenta  
Osage  
sycamore  
chestnut

Between Ludlow and Kane,  
rolling upland.

A few of the hills with  
lots of s. maple. Mostly  
so cleared and burned  
that only pin cherry,  
aspens, goldenrod etc.  
A few scattered wh pine

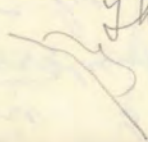
Sept 25  
Timber Forest

Going S. on pipe line  
from Cherry Lakes

cross Cherry run &  
climb up.

Hemlock-beech  
with some birch, lvs.  
Hemlock-beech (with  
occ. red maple & then  
occ. S. maple) continues  
a long way up.

Higher beech trees  
in proportion & is  
larger than low  
down

 Then a little  
more S M  
& some cherry

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Then hemlock about  
drops out. Mostly  
beech & some S M

Up to old road -  
& on across flat.  
2nd layer birch +  
Then Hemlock-beech  
again

General slope is to SE  
Upslope to W is  
a great big wash 11/2  
miles. Here with hemlock  
beech, & p. m.

On down hill +  
into a creek flowing W  
Here mostly A with  
some smaller beech & some  
birch

Up steep again to hill  
that seems higher than

one mile roadway.

↓ Down into deepest  
of all valley  
Belmont Steep  
place - 2 or 3 beech,  
s m birch -

and  
Adiantum                      with Dracaena  
Hydr. virgin.                      Copter. etc.  
Pteris                      Mitchellia  
Walnut                      Polystichum  
Junella                      Hallbard

A creek going west

Carpinus  
Hemlock - Bet. lenta  
+ beech

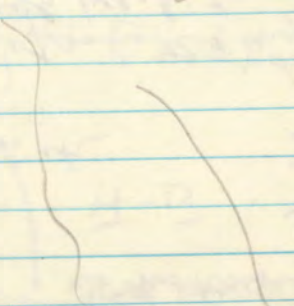
Hamamelis  
Smaple  
birch  
beech  
Hemlock

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The profile (following)  
is drawn on return trip  
along pipe line - from  
East Fork Run, across  
West Fork Run, to Cherry  
Run.

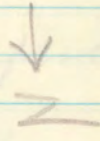
Communities are  
noted along the profile,  
& direction of slope &  
direction of stream flow  
below.

Courts made are located  
by no. - 1, 2, 3, & these  
shown on pp. after  
profile



East Fork Run

H



Adiantum etc

lots of small maple with beech, formerly H-B

Big SM 10 1/2 ft in H-B

with SM + smaller shrub

slipping to creek

H-B

H-B

H-B, with more + larger beech

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H-B w. SM

two m. Polytrichum  
m. Pteridium  
m. L. ...  
m. L. ...

H-B w. SM + birch

B with a few l+

H-B w. big B

m. Polytrichum  
m. Pteridium

H with smaller B

H with B + birch

West Fork Run

H-B with some SM

State to creek

H-B

Red maple in H-B

flow to west  
→

map of the area  
count 8  
map of the area  
count 8  
map of the area  
count 8

count B-N-SM  
⑧

count ⑨ = ⑨  
H-B-SM

H-B

H-B

to S of  
map of the area  
count 8  
map of the area  
count 8

was H-B  
Secondary  
birch w. beech  
red maple, ash  
s.c. maple

Pipe line -----

along road  
main road =

count 3 = 10  
⑩

← Cherry Run

Sample to include  
big ash. (count 1 on profile)

① = ⑧

hemlock	### <del>###</del> <del>###</del>	##
beech	### <del>###</del> <del>###</del>	### <del>###</del> <del>###</del>
	###	### <del>###</del>
2 maple	##	###
cherry		##
Betula	##	##
wh. ash	1	

② - 2 on profile = ⑨

hemlock	### <del>###</del> <del>###</del>	##
beech	### <del>###</del> <del>###</del>	### <del>###</del> <del>###</del>
SM	###	###

③ - on profile = ⑩

beech	### <del>###</del> <del>###</del>	### <del>###</del> <del>###</del>
SM	###	###
1 hemlock	1	##
cherry		1

⑪

Coming across flat on  
road, very few hemlocks.  
Woods is hardwood,  
mostly B-M

Not as much oil, along  
as in other places.

Ruts in road are mud  
and water, showing shallow  
water table. However, much  
B. maple, as, see count: -



(11)

Beech		
S.M.		
hemlock		
ash		
Bet lenta		
Cherry		

Several large dead hemlock

The large dead hemlocks suggest that this B-M community is replacing a H-B and S.M.

No Rhododendron us  
Tionesta area)

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Sept. 26.

Kane - Sheffield on US 6  
Sheffield - Heart's Content  
via Bull Hill rd.

near top of hill above  
Sheffield - chestnut.  
red oak on the way up  
with beech + s.m.

Crossing upland - at  
first most S.M. - beech,  
secondary.

Then road becomes sandy  
and many chestnut  
sprouts; much red oak;  
secondary wh. pine.  
Further along white oak  
starts, becoming abundant  
Cucumber scattered where  
chestnut or wh pine

# Hearts Content

20 acres

## Jack's Trail ①

beech	###	###	###	###	###	###
red maple	###	###	###	###	###	###
cucumber						
Carya glabra						
red oak						
wh oak						
wh pine	###					
cherry						
wh ash						
hemlock	###	###				###
o maple						

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noduff layer, but not good	
Asp fern	Aspl. ff
Dark clay	Mitchella
Arcarea alp	Epiphytes
Smilax herb	Astlo gra
Viola sp	Disp. Cany
Wool. seed	Scarella
Democh. h.	Raportia
Medeola	Coptis
Thalictrum	der Arisaema
Cumicifera	
Galium sp	Sambucus
Pilea	Hammam
Trenulalis	Vib acerif
Smilacina	Vib almyf
Bractygel	

Small-  
 beech  
 red oak  
 red maple  
 cucumber  
 hemlock

② Becoming more mixed  
 & less ground cover

hemlock		
wh pine		
beech		
red maple		
red oak		
cucumber		
wh ash		
cherry		
Bet lenta		
red maple		
of beech		
Opalis mont		
asp spr		
wh ulm		Cornus alt
Mitchella		
Cornus		Coptis
Sambucus		Halimolobos
holc		Clintonia
Hamamelis		Aralia nudicaulis
gley mont		Asplen (one bush)
		brdls potent
Small		Hab. pote
beech		
hemlock		
chestnut		
red maple		
Betula lenta		

Kalmia in one place  
near east edge of woods

An area of 2nd growth  
Picea canadensis  
A patch of Spruce  
Cornus canadensis  
Lycopodium

Sloping up hill at  
north edge - <sup>some hemlock</sup>  
All white pine, some  
of them <sup>now</sup> dying  
Area light because of  
dead pine + border  
position -

decid. layer of (20 ft)  
Bet. lenticular  
red oak <sup>nyssa</sup>  
sycamore  
occ. chestnut sprouts

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Some smaller hemlock  
under these

Also, a big red oak

Going west up a little  
ravine -

Collinsonia  
Emp. vertic.  
more big beech trees

Branch trail to right  
east of spring.

③ Almost entirely  
oak; with much  
nut along, <sup>red oak</sup>  
Asp. spir.  
C. p. l.  
little hemlock

This is farther down  
creek: -



Coming down long steep grade to Allegheny River. -

- red oak      lots of gage.
- wh oak
- sr oak      cucumber
- wh pine
- hickory
- red maple
- lower down - hemlock

Looking across valley - <sup>alley</sup> white pine (large) on crest.

very steep west slope  
Lower river slope on 62

- |             |                   |
|-------------|-------------------|
| Tilia       | Aralia sp.        |
| Sugar maple | Rubus odoratus    |
| elm red     |                   |
| hemlock     | Ostrya            |
| wh. oak     | nyssa             |
| hickory     | Celastrus         |
| red oak     | tulip             |
| butternut   |                   |
| cucumber    | <u>nodeuff</u>    |
| beech       | not match         |
| cherry      | humus; grey-brown |

several on river  
wh. elm near river

Cont'd  
Eupat. verticillata / Aralia noc.  
Collinsonia

a patch of shrubs, but  
hickory on river slope  
Berula ~~lenta~~ lenta

Cross Caledonia R.

East slope } out 27  
                  } at Tidwite

sugar maple

elm

beech

red oak

hemlock

wh. oak

cucumber

lot of wh. oak near  
top  
wh. pine

on top (rd. to Titusville

oaks prevail - 2<sup>d</sup> quantity

large trees - wh. oak

chestnut, red oak,

wh. pine.

smaller trees, wh. oak

red oak, hickory

red maple, sycamore

chestnut, red oak

maple, cherry,

wh. pine, cucumber

maple, sugar maple

in little ravine,

beech & sugar maple

Slopes of large ravine

beech, maple, hemlock

nearly

Slopes, as far as Titus-

ville have a decidedly

mixed aspect.

West of Titusville -  
much agr. upland.

In some places - on  
slopes - lots of S maple  
In places, upland  
is essentially oak -  
hickory, or much  
wh. oak,  
+ w. sh. b. hick. + glabra

---

Aspect of plateau -  
looks like its feet  
further south. Lots  
of oak & hickory  
plenty of sugar maple  
in clavicada

---

nr. road to Lyman Lake  
(west of Titusville)  
aspect changes.

rolling glacial topog.

of occasional undrained  
depressions. No more

oak woods. Lots of  
maple, hickory, &

hickory & occasional  
wh. pine. (wh. pine in wet flat  
7 mi. E. of Meadville)

steep slope - oak  
same slopes with

red pine, Tilia, sugar  
maple, birch, butternut,

chestnut, cherry  
(this is 5 mi. E. of Meadville)

Corn fields - 3 mi  
E. of Meadville

---

Conneaut Lake. all  
the big trees are

sugar maple. Some big  
beech, (white).



occasional white pine  
deep drift west of  
Lake at base of  
hill above wide  
valley.

Slope has <sup>s</sup>maple, *Tilia*  
wh. pine. + +

Valley has s. maple,  
beech, wh. pine, tulip,  
wh. oak, *Juniper*,  
Cucumber, red oak.

West of Hartshorn  
a place with a lot  
of big oak trees

Flat upland looks like  
till plains

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Slopes to Pym. Valley  
Beech, maple, *Tilia*