



Hunt Institute for Botanical Documentation
5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Contact: Archives
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
Web site: www.huntbotanical.org

The Hunt Institute is committed to making its collections accessible for research. We are pleased to offer this digitized version of an item from our Archives.

Usage guidelines

We have provided this low-resolution, digitized version for research purposes. To inquire about publishing any images from this item, please contact the Institute.

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.

1943-6

Personal Notes

Digitized by Herbarium Institute for Botanical Documentation



19

222
11
L
X
O.S. 10. 10. 10

Digitized by Hunt Institute for Botanical Documentation

E. LUCY BRAUN
2702 MAY ST.
CINCINNATI, O.

1943-6

- Aug. 8. Ironwood - Gillen's
Aug. 9. AM. Roach Lake hardwoods
P.M. Hardwoods along entrance
road
Aug. 10. Gillen's - Woodruff -
Phillips - Flambeau
Aug. 11. Down the Flambeau

Aug 8

Ironwood - Wakefield - Watersmeet

South from Wakefield,

cont. thru maple + maple-basswood

About 7 mi. S. cross highest

ridge - This is (or was) maple-

basswood (high prop. of basswood

as at Wakefield (Aug 4). Here

all spruce. Occ. elm, also

white pine on slopes of Jackson

creek & on lower slopes toward

undrained depr. wh. are spruce

One old aspen area has

very good layer of spruce

about 20 - 25 ft tall.

Hemlock even on highest

areas but not much

South of this highest

ridge, a noticeable increase

in amount of spruce -

not only in lower areas

but also higher. Sandy
very topography + bog lakes
+ spruce - Larix depr.

One flat, about 13 mi
s. was red maple - y. birch
- spruce, while a little
higher, s. maple,
y. birch + spruce.
occ. Thuja +
hemlock + br. pine

Presque Isle river
flats are elm + silver
maple with red currant,
alder, + willow shrubs,
Ostrich ferns, Dracopis,
Thalictrum, Páportea,
Elymus

This, a little farther
from river, grades
into Thuja - spruce,

Digitized by Hunt Institute for Botanical Documentation

with smaller fir +
occ. white pine. (This
Thuja - spruce is primary
exc. that the largest
remained; adj. is a similar
but cut-over area where
there is more Larix.

Upland, this goes into
aspens - spruce (secondary),
then moraine ridge,
very secondary but enough
to show it once was
sample w. some Tilia + elm
+ y. birch. Spruce + maple
these + much aspen + scattered
spruce

veg. controlled by mor-
aine landscape which
now prevails - ridges +
humps + depression
most of the less
pronounced ridges +

humps have maple
 y. birch, hemlock, +
 scattered spruce + wh.
 pine. The intervening
 areas are various
 mixtures with spruce,
 huya, hemlock, y. birch
 etc.

One very pronounced
 moraine ridge - 1/2 ms.
 west of Watersmeet yet
 west of Watersmeet
 is (east of Crooked Lake road)
 (east of Wolf Lake)
 seems to lack the
 conifers. It is maple
 with consid. Tilia
 which has not been noted
 on lower rises) + y. birch.
 Between Sand O' Lakes + G's
 red oak with the Jack pine.

Digitized by Hunt Institute for Botanical Documentation

Aug. 9

Roach Lake Hardwoods

Corylus	Aralia nudic
red oak	Trinitalis
Sambucus	Arvola triflorus
grass - 4332	Asp. spin
Ribes cyn	Galium sp
Lirioda	Aralia sp
Acer spic	Maianthe
Bears eat	Arisaema triflorum
Taxus	Osmorhiza sp
Oryopsis	Yonkuba grand
Astoria alb	Impatiens triflora
Lyc. annot	Lyc. obsc
Monarda sp	Trillium
Phegopt, nov	Cuscuta alps
Lonicera can	Clintonia
Cornus can	Streptopus
Aster maro	Phegopt dry
Smilacina	Carex spp

Polygmatum

- 2 communities -
 ① a hemlock - y birch
 in conifers woods
 ② a maple - basswood -
 birch in conifer
 here there is a
 duff layer, but
 hemlock is also mixed
 in dark gray soil

Small bog inclusion ^{bordered}
 with *Coptis*
Epipactis, small
Gaultheria
Chrysothamnus
Rubus
Cornus can

Hemlock - birch area

Digitized by Hunt Institute for Botanical Documentation

with much less maple
 underneath -

Acer spec *Lyciana*
Taxus *Clintonia*
Cornus can
Coptis
Maianthemum
Oxalis mont
Lyc obsc
Chamaenerion
Asp spec
Aralia nudicaulis
Melchella
Phegopteris near + dry

Border of Rock Lake -
 Thuja, hemlock,
 with pine stumps,
 y birch; then a
 narrow shrub + sedge
 border

① Hemlock-y birch

Compositely

(Canopy)

Mull. 54 =

hemlock		
y birch		
s maple		
Thuja		
Tilia		
fir		

60

66

Digitized by Hunt Institute for Botanical Documentation

② ~~A sort of transition~~
Sugar maple - birch - basswood

hemlock		
y birch		
S maple		
Tilia		
fir		
Thuja		
Ostrya		
S maple		
elm		

Lithuan cernu
y violet
Caulophyllum

P.M. - between bathhouse
& S. entrance

2 Hemlock - y. birch +
like this A.M. { ^{Filix} maple
Cornus can. - Acer sp.
Lyc. luc. - Lonicera can.
" obsc. Corylus
Pyrus ^{Emoryi} little
Oxalis mont. Streptopus
Coptis - Carex alp
galium sp. Dryas sp.
Asp. spec. - Michella
Viola pallens - Alcea ulm
" rot. ? Polygonat.
Rheopt. narn. - dry
Arctost. nud. - Anemone
Saxif. -
Pots of little maple

Digitized by Hunt Institute for Botanical Documentation

Hepatica obt. on a little
mound

Osmorb. sm + h

Gentiana

Ranunc. recur. ?

On a fairly high hill
(for these mountains slope)
forest is maple - Filix +

(3)

S. maple	## ### ###	### ### ###
	### ### ### ###	### ### ###
Filix	### ### ###	### ###
	###	
y. birch	### ###	###
hemlock		
hemlock	###	### ###
elm	##	
Ostrya		
wh. ash		

Undergr. in the maple-
basewood is
maple, tilia, birch

Hirca Aralia nud
Corylus Urtica gr
Cornus alt Asp. spem
Fornigragan Liza obsc
Caulophyll. || luc
Arishaba Arisaema alba
y. violet buds falluifera
Adiantum Maianth Gen
Aspl. Smilacina
Osmunda Phloxes-trich
Carex Polypodium
Botrych. virg
Duffly humus but
darkish beneath
becoming fairly good
mull under the

Digitized by Hunt Institute for Botanical Documentation

Tilia on a good
slope - rock out poked
In this part no hemlock
& not much birch

maple 8 + 3
Tilia 5
birch 2
elm 1
} incl. in
} previous
} page.

Aug. 10.

Gillen's To

On Pt B - alt. bogs
& sand hills - & occ.
moraine hills w. hard-
woods (secondary) - mixed
with some spruce & wh.
pine.

S. on M. - sandflats
of Jack. pine.

In some places, good
wh. pine repr. w. some
red pine.

Forest Station (on M)
Scattered pine - not as large
as Marquette stand
& not as good lower layers.

Just s. of Station
still along. Trout lake
high moraine hill
with secondary hardwoods

Digitized by Hunt Institute for Botanical Documentation

(does not appear to be sprouts)
of s. maple, red oak

Pop. grand,
~~some y. birch (not much)~~
wh. birch, Oslyza

Near lake shore -
good wh. pine

In some places, red
oak dominant (this is
a very gravelly moraine)
In some parts, red oak
the largest tree (about 8
in dbh) & with maple
(s. + red) small & forming
a younger layer.

In a few spots; Pop. grand
the largest tree.

Down hill, wh. & red
pine mixed in.

Then into low (at yet N)
on aspen plain, under
wh. these are small
pines. Comptonia.

Morainal hills along
 US 57 bet M + Woodruff
 very gravelly with
 big boulders. (Saw a
Thlasia in fact). Red oak
 cont. abundant.
Boy depresso,

Woodruff:

Care woods

- Aralia rac.* + *nuda*
- Phytol.* *narrow* + *dry* sp
- Asp* *sp*
- Smilax* *sm* + *h*
- Ran.* *recur*?
- Actaea* *alba*
- Viola* *pallens*?
- Circaea* *alpina*

Digitized by Hunt Institute for Botanical Documentation

- Aster* *macro*
- Arsenium*
- Chelone*
- Polygonatum*
- Viola* *y.* - *pub* *but* *very*
- Urtica* *grad*
- Acer* *sp*
- Sambucus* *rac*
- Osmunda* *clay*
- Dryopsis*
- Hepatica* *obtus*
- Mulle* *nuda* + *dehydr*
- Mulle* *u* + *obsc*
- Maianth*
- Trinitatis*
- Galium* *sp*
- Streptop*
- Bluff* - but not pale
- ph* *her*
- Oxalis* *mont*
- Cornus* *can*

hemlock
 y. birch
 Tilia

3 maple
 ash
 red maple
 elm
 Osrya
 Tiliagabra, 380 yrs

Large dead Thuya

The Tilia large & very straight & tall.

The hemlocks not esp. big, & a very large no. of smallish ones. On the whole, Tilia the largest tree; some very large y. birch.

The maple generally not so large & some of those placed in canopy count more there by virtue of ht than girth. Top flat to rolling with what appear to be narrow eskers. No change in forest comp. on these ridges. At one edge (east?) comes down to low spruce, large Tilia

Further along on
same comb. as
encounter - a large
wh. pine; a few
wh. pine stumps
at east edge of wood

Voulaire sessile
Impatiens leaf

• *Polygonatum* that looks
like common
red raspb. dry rideway
Lots of little s. maple,
but not everywhere,
much deer browsing
Age of trees as noted by
Forest Service -
hemlock - 215 yrs (~~4 1/2 x 12 1/2~~)
56 in circ. dbh.

Digitized by Hunt Institute for Botanical Documentation

Aug 11

Flambeau river

S. from E.

Streamside trees -

silver maple

elm, black ash

to alder

where banks flat.

Where banks rise steeply

10-15 ft. trees

hemlock - sometimes punster

wh. pine

y. birch

fir

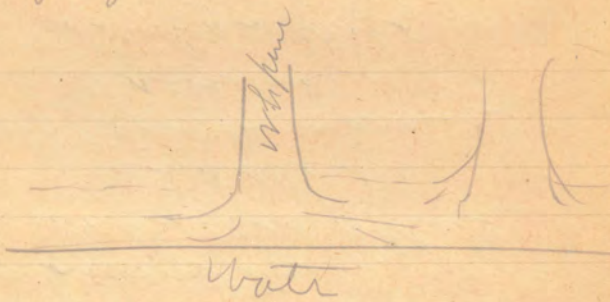
White pine sometimes on
flat areas, too, just back
of silver maple & elm
& black ash, not 2 ft

above river level prob
is now $1\frac{1}{2}$ ft above
normal

Bitternut
~~Walnut~~ here. on banks.

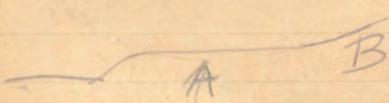
Some places abundant
Island: - elm, silver maple,
Ostrich ferns, Onoclea,
grasses, *Asclepias incarnata*
Alnus, *Cornus* sp.
Polygonum amph?
Spartina (tall) in
cont. masses hanging
over water & far back
on wet flats

Bur oak scattered
with elm & maple
(these only in upper half of tree)
Y. birch sometimes at very
edge of water.



Crataegus sp.
Boehmeria
Scirpus cyper gr
Chelone glabra

Land on west bank -



not large, but down
S. maple, Y. birch, *Filix*
Ostrya, *Pheullos*

with cont. grass layer
 of Dryas (tall flower
 seeds) + As 32 +

Ariseum Herca
 Asp. spin
 Adiantum
 Wul. grand
 Melilla diph
 Carex alpin
 Mitchell
 Rye. obs
 Streptopus
 Hepatica obtus
 Tremula
 Phegopt. nana
 M. caud
 Rubus vif
 Viola pulch
 Rubus

Digitized by Hunt Institute for Botanical Documentation

Resing to B, trees, med
 large ①

4 birch		
Hemlock		
Maple		
Lilac		

Less grass Phegopt. dry
 Hy. prophyllum virg

(2)

36

Yew									

25

Maple									

16

Hemlock									

15

Lilia									

16

Ostrya
elms

Caulophylla

Botrychium
Asplenium

Digitized by Hunt Institute for Botanical Documentation

Osmunda
 Carex spt Anem. quinque
 Liliaceae
 Farther on a butterfly
 in this corner in

(3)

wh pine				
				31
y birch				27
s maple				15
hemlock				19
Felis 1				
fox				

Moneses	Dryopsis
Clinton	Macaranga
Tilia	Conocarpus
Dryopsis	Mitchell
	Bayr obs

In all these woods -
no brush layer
instead, much grass
& small patches of
ferns & other herb
things

Trees in general not
as large as in some
other woods, but
primary

Developmental
steps from shore
back:

The last area - wh.
pine + - on slopes
rising without the
several level

Looking at this slope
from river, aspect
almost park-like with
its grass layer

Land on east bank
just above Porcupine
Rapids

④ Only a few ft above water
a flat strip

wh pine |

hemlock ###/###/###

brush ### |

Opalis	Cornus can
Asp spec	Rubus friff
Foruncin	Mullein pink
marsh	Adiantum
Cyprip	Pheg. dry
Alumina	

Sleep rise - mossy
 + grassy 40-50 ft
 Milla nut + dpl
 Rubus crisp
 Oralis inus
 Asp sp
 Phleg. n. ch
 Adiant
 Dep. compl, Hse, luc
 This is mostly hemlock
 some y. birch
 wh pine slumps

Top of knob is hemlock
 - y birch, w. grass
 layer w. Dec wh pine
 In places, cont. layer
 of Phleg. dry
 a big butternut, 5 ft 3 cm

Digitized by Hunt Institute for Botanical Documentation

- Hepatica acuta
- Amphicarpa
- Circaea alpina
- Asp
- Junc
- Asarum
- Capotea
- Cornus alt
- Olyra
- Rubus crisp
- Corylus
- Hydroph. v. v. v.
- Polygonum
- ~~Saxifraga~~
- ~~Saxifraga~~

~~Ferula in same~~
~~common - a wh ash~~

(5)

Hemlock ||| ||| ||| ||| |||
||| ||| ||| ||| ||| ||| ||| |||

1 66
Lilac ||| ||| ||| ||| |||
25

Y birch ||| ||| ||| |||
||| ||| ||| ||| 38

Juglans 1

elm ||| ||| |||

A maple |||

Ostrya
white ash 1

Osmondia Clayton
Urnularia gonolobus
Aclera utra

←
Hesperis matronalis
Lonicera xylosteum
Lonicera caerulea
Lonicera xylosteum
Lonicera caerulea

Digitized by Hunt Institute for Botanical Documentation

Caulophyllum
Cornus alt
Aspl. adroch
Aspl. ff Hepat. obliqua
Ribes - currant

A carpet of all the
ferns, w. wild flowers
interspersed + no
bush

Good 2 inches of
friable humus
then podsol but
not very pale

Lyc. obs. Rubescyn
Pteris very
Thalicttrum flavum 3
Y. violifera
Saxifraga
Dryopteris

(Mr. Sharrensays - sq. com)

Sanguinaria

Pseuderacium

Smilax herbifolia

2nd layer similar

3rd with considerable maple

Further on in same comm a wh ash.

Viburnum acerifolium

Aralia nudicaulis

Phrygnanthes

Trillium cernuum

Back onto ^{more} flat
that is hemlock-brush

with a few red maple
(not too) small file

Small maple,
wh pine (large)

An area of wh. pine
stumps

with puddles in
between

some big y. birch
moderate size hemlock
& big Thuja

Not at pine level but
just as wet.

⑥ } Along river, returning
down boat

hemlock ###

wh pine stem ###

y birch ###

cedar ||

Punch

In some places -
butternut dotted along
shore. These trees
not like ours but
short & knarled

Some black ash tall
& large & straight

(7)

elm |||

hemlock ||||

s maple |||

black |||

y birch |||

tulip |||

Digitized by Hunt Institute for Botanical Documentation

Lots of *Corylus*
grass & *Carex*

Hystrix

Dryopsis

Baccharis

Sanguinaria

Aquilegia *gryffo*

Caracac *lut.*

Rudbeckia *pac.* - nr

river

allum tree

Back of river &

near a rapidly

flowing brook, i.

fair drainage

more hard wood

(8) Open below with grass
& *Carex* & ferns
Trees are :-

⑧

hemlock ~~|||||~~ ~~|||||~~ / ||
~~|||||~~ ~~|||||~~ || 20

birch ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~
~~|||||~~ ~~|||||~~ ~~|||||~~ | 31

fir ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~
||| 19

3 maple ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~
9

elm ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~
15

Oslyn ~~|||||~~ ~~|||||~~ ~~|||||~~

In the above comm.
a number of dead hemlock
this, with few small, indicate
change to complete
hardwood dominance

- Asp. spec. Bolrych v. rug.
- Aspl. ff. Lys. obsca.
- Aspl. acro. Pyc. clarata.
- Pheg. harr. " luc.
- " bryon. " luc.
- Arcaen. sp. Tricent. alab.
- Hydroph. v. rug. Umb. resin.
- Hepatica ~~obsca.~~ Umb. resin.
- Polygonat. Strept. p. resin.
- Streptopus Strept. p. resin.
- Trellid. can. Strept. p. resin.
- Arcaen. Strept. p. resin.
- Larica
- Adiant.
- Sanguinaria
- Monotropa
- Mullea l. sp.
- Osmunda c. l. sp.

2-3 in. of friable humus
over at base of
and

⑨ Changes farther back
where brook becomes
swampy - &

into
hemlock - y burch

with *Oxalis mont*

Cornus can

marion

Polygonum

Cyprip. acand.

hemlock ||| |||| |||| |||| |||

y burch ||||

wh pine 1

Digitized by Hunt Institute for Botanical Documentation

wh. pine 9 ft circ

some smaller *Tilia*

+ still smaller maple

Cont. hemlock - y burch
but go into grass-
fern layer and some
of open to boggy

RETURN TRIP

Measured a wh. pine
stump

30 in. D.

130 yrs.

This tree with 10 ft of
river edge & only about
2 ft above it

25 in.

120 yrs

little
further

25 ft back

hemlock - just at
8 in - lower part
160 yrs of slope

These cores in a
cut-over area along
river

In pine & hemlock
the last 75 years \pm
were more rapid.

In some of the pine
swamps, silver maple
almost in the cut.
Areas of tall grass &
sedge with much
Spiraea alba

Digitized by Hunt Institute for Botanical Documentation

Secondary white
pine slopes (on west side
of river) - a beautiful
stand; trees about
1 ft diam. Perhaps
about 50 yrs since
clearing.

Herb. plants of river
marshes & shores
Wild cucumber, Echinocystis
Ostrich fern
Onion
Polygonum spp
Ascl. incarn
grasses
sedges

Magnificent groups
of large white pines
immediately adjacent
to silver maple;

one of these is "about
4 ft at the stump"
"a grand old one"
a great tall tree!

A big spruce -
"20 in. through on the
stump" - "between
75 & 80 yrs old

border, cont.

Hypericum bush with
great big flowers

Corylus

Ilex vert.

Carpinus

Helianthus yellow

Rudbeckia lac

Digitized by Hunt Institute for Botanical Documentation

retrace - 1 mi.
- a rd to left.
(west me that P. marked)

