



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

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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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R-808

27

E. LUCY BRAUN

SALEM PIKE, MT. WASHINGTON

R. R. 13, Box 41C.

CINCINNATI 30, OHIO

(27)

Aug. 11-15.

En Route to Wellsboro, +
out from Wellsboro

1945		AUGUST					1945
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
N. M. 7th	F. O. 15th	F. M. 23rd	1	2	3	4	
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30	31	L. O. 29th	

- Aug. 11 En route,
 Lancaster, Ohio - Knox, Pa.
- Aug. 12. En route, Knox to
 Wellsboro; woods east
 of Mt. Jewett.
- Aug. 13. Pine Creek: Leonard
 Harrison and Colton State
 Parks (near Wellsboro)
- Aug. 14. Wellsboro, north;
 Watkins Glen.
- Aug. 15. Wellsboro to
 Rickett's Glen.

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Aug 11, 1945
 Little of Allegh. Plat
 aspect across Ohio

East of Weirton &
 just before Racoon
 Creek River area (Pa)
 hemlock on slope

Much oak everywhere
 even on n. slopes
 Oaks are
 wh oak red oak
bl oak

Hickories

Amel., Ostrya
red maple & oaks
in undergrowth.

Gum, & oak

Only in deep valleys
is there any beech,
s. maple & tulip

Approaching Parker,
a deep valley has lots
of hemlock & white
pine. Upland
bet. Parker & Foxburg
is oak.

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Allegheny River at
Foxburg.

From Foxburg on, it
is different: hemlock
& white pine sufficiently
abund. to affect aspect.
They mingle with white
& red oaks, red maple
& s. maple are present.
The whole appears to
be hemlock-white pine -
oak hardwoods (patchy)
with transition from the
oak type.

The oak forest type

*

is so prevalent & so striking in much of the area traversed from e. Ohio to Foxburg that it must be mentioned.

Is this large oak area, the eastern end of the prairie lobe or is it related to present climate & to soil? It was dry, although to the west was greener & from Foxburg on, also (a

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shown in plateau just east of Foxburg)

Most of the oak area is on land underlain by shales & thinly bedded rock. Wherever there is an outcrop of a massive rock there is usually beech.

Rt.:- Steubenville -
Wenton - Florence - Robestsy
- Butler - Chicora -
Foxburg - Knox

Aug. 12.

esp white & red
Dahlgren in abundance
to Seper on 68.

Whitepine is with it

Much of the plot is
secondary oak forest, 4
50 yrs or so

Younger more dist-
aspens in cherry &
East of Seper - red
maple, Sika, etc
in sprout forests

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East of Out Joints
on U.S. 6. (Just above
the slope from Hazel Hill
Deep ravine - creek
Slopes below highway
beech
birch
hemlock cherry
a maple & red maple
Lots of birch near road

Undergrowth
S. maple
beech
y birch
hemlock

Vib. almy
 Acer spec & perm
 Sorbus hysc. hysc.
 Rubus all ^{tree} Dyale mont
 Rubus, red ray Asp. spec
 Hamamel ^{Asp. h. & l.} Aster vicum
 Amel Arda rot
 Lonicera can monstrosa
 Cornus alt. Streptopus
Mitchell
Mitella nuda
in wet place
Carex alpa " "
Arisema atro
Dalibarda
Mederla

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Habenaria sp
 (small)

Glyceria in swamps
 (brook sp)

Uniola
 Trillium undulatum
 Osprey's can in wet
 Habenaria the

very mossy logs & rocks
 (
 Ucrane
nr Thurst
Polytrich + +
Eutrocha

pink Chelone in swamps

Higher slopes -
beech
cherry (lots of big ones)
hemlock (many)
ash s. maple
red maple
Smaller - beech, s. maple -
cherry
Much s. maple sapling

Less variety in herb
layer - & very open
asp. spin
brake
Dialis (not much)
asp

Arisaema atro

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Hesperom

Trollius grand?

Caulophyllum

Clintonia

Duchesnea pulchra

The above on slopes where
blocks of s. s. (Pottsville?)
are lying.

On to Coudersport -
the whole aspect
is northern.
Some hay meadows
with *Anaphalis* &
sweeed & clump

of aspen look
like western mts

Pines (white) & hemlocks
scattered in 2nd
growth of most
slopes

Aspen, ch. bright pin cherry
common in undergrowth

N. slope beyond Dunder
valley - very rocky
2nd growth w. some ^{h. mts}
largish beech & hemlock
near clearcut ^{large}

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Much Asp. sp. in
Lyc. luc. App. n. b.

Orchids many
Trill. und. Asteraceae

Habenaria small

Aspen
with ~~alder~~

Sorbus

beech w. liths.

All good n. aspect (w. the
eastern element - but
alright from

Rubus red rasp

Not Laurel at edge
of road

just beyond, is
Denton Hill 2424 ft

About galeton -
oaks begin again
abundantly; wh oak
& red oak. Pop. grand;
sycamore (sh bark - ?)
(lots of Comptonia)
Red maple
Wh. Pine scattered with these
Quercus - Chestnut oak
inter. also, chestnut
Ceanothus

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Aug 13
Pine Creek -
Leonard Harrison
lookout -

Edge of cliffs -
White Birch | Pop. grand
wh. pine | " Trem
pitch (or y ?) pine
red oak
cherry Pteris
Sierrenilla Solanum^{sp}
Amelanchier Aster macro
bacc sp. penn Sol. bicolor
Vib acerif Lys. grand
Salix sp. Dalrymple
Comptonia

Wh. birch-aspen grove
w. Comptonia, Vacc.,
Pteris, etc looks
just like same community
at Douglas Lake
but has in add. some
eastern sp. as
Cistaceae dent.,
Kalmia, Sol. bicolor
Pedicularis can
Some red oak, red maple
Indampyrum
Cornus sp. (green
twig, pub. undersides lvs
not cuneate)
Gaultheria

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Aralia nudicaulis
Maianthemum
Waldsteinia
Antennaria plus
Corylus rostrata
Aprocyrum - pretty
Hammamelis
Thermopsis
Solidago spp. - curtana?
Rubus allegh.
Choke cherry

Add to edge of bluff
as we go down -
wh. oak
bl oak

An aspen comm. on
the slope -

Aspen (Populus) + P. grand
a few oaks

Comptonia

Kalmia

and things of birch comm.

Add to list as follows:

pin cherry

occ. small beech

Carya ovata

Rhus typhina

Quercus montana

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occ. beech (small)
in aspen
comm.

oaks, red maple &

beech may replace

aspen in solitary success

solitary pine comm -

heralds of birch, the

young beech, red maple

Bet. lenta
Polygonum penns. Solary.

Populus Some Pteris

Gaulth.

One older white oak

Aster divar.

Viburnum alnif.

Polystichum
Waldstein
Muhlberg
y. violet pubescens
Dryopteris
Ilex glabra
Asarum canadense
Solidago latifolia
Asp. n. b.
Eup. urticae
Viola blanda
Oakes in pubescens
Maianthemum
Utricularia perfoliata

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North ^{west} slope woods
trail to falls -
wh pine, red maple
etc
lots of Arabis nutans
Aster div
" acuminatus
Acer penn speciosum
lib. acer
Aster virgatus
Kalimeris
Smilax
+ a few things listed
in parame
Hydrangea

Azalea - sp.

Farther down -

Asp. spec

Trillium and

more Astrocaryum

Aralia pa

Cornus alb

Rubus, pink

Juglans cin

Larger trees here are
(8-10 in)

red maple, red oak, Bet
ultra, occ. large wh birch

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hemlock & larch, beech

A spot of beech-hemlock
with some of trees

10-12 in. looks quite

natural & suggests

primary cover -

Here Asp. spec, Polyst.

Stephan

Medeola

+ little hemlock + beech

vit. along Asp. spec

much more

Aspl. fl. red

Polystichum

Down in small creek
 gorge -
 Junella
 Oxalis mont
 Clintonia
 Chrysopleum
 + such mass as
 Papaver, Sol. calif
 Aster dir.
 Imp. pallid
 Hydroph. vry
 Thymus
 Monarda didym

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P. M. Aug 13
Colton Pt.

secondary red maple - big -
 touch aspen with
 Kalmia layer

White pine stumps (old large)
 Chestnut " (large)
 Also red oak
 pitch pine
 wh pine (one fairly large)
 wh oak
 Small: -
 red maple
 Chestnut
 Amel
 Dry mont
 Du. mont
 Bet lenta
 beech

Gaultheria
Pteris
Vib. cicutif
Vacc. ped
Hamamelis
Bet. lenta

Large hemlock (1) + red (1)
On the very steep slope
going down to 4-myrus
a few large hemlocks
mostly Kalnia under
+ things above

An aspen slide -
looks like compar.
able crown of Rockies

The very narrow gorge
at the falls -
a hemlock gorge
suggesting, only because
of a hemlock - the Cumul
Gorge, nothing else
the same - no Adiantum
Here is *Tilia glabra*
Acer spic
Bet. lenta

lots of *Rubus odor*

Fairly large *Tilia americana*
& *acer rubrum*; here
no hemlock

Here very meso all
hardwoods - for hemlock
Tilia, red oak,
red maple, Bet lene
& maple, beech

Adiantum

Euprasi.

Imp pallida

Sol. caesia, lady

Pseuder

Ostrya

This has a grayish
soil + not many
dist. northern things

Locally Galium

maculatum, Hydr. virgin.

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but Hepatica acris

Hydrophyllum

arsuematro

Asarum ca

Aug 14.

Wellsboro - north.

On 84 just n. of Wellsboro,
maple-beech - *Filix* on n.
slopes, oak-hickory on
s. slopes (wh. red, ch. oak)
valley (mile valley) flat
& swampy with patchy
remnants of gravel-sand
terrace whose slopes are
oak-hickory.

Left on 249 & at Keeneyville
n. again

more or less terrace like
valley (but not gravel)

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s. maple, walnut, wh. oak

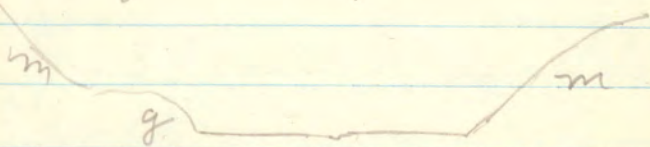
Up on plateau

H. = wh. P. - n. hardwoods
indent

Approaching & leaving
Nelson, much wh. pine
& hemlock spruce in places
In general, the hardwood
areas have more basswood
& elm than in some places
& often much red oak

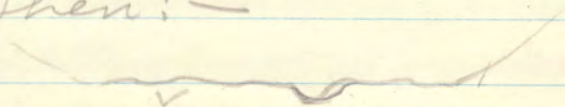
Near Freeman, N.Y.
gravel hills (in just N.Y. 17)
Set of *gycamore* near
junction with 17.

Thru' Addison ^{then}
Large valley: -



broad valley flat
either elm, ^{soft} maple sh
or cattail marsh &
wet meadow or farm
gravelly & tall hill (7)
is mostly oak

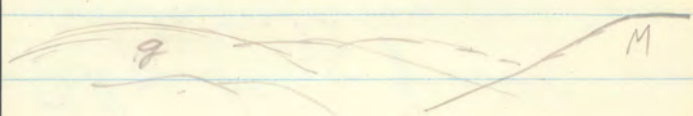
Mt slopes (m) with
lots of wh pine & hemlock
w. hardwood
Then: -



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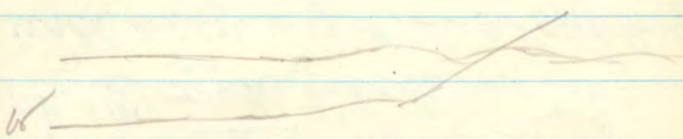
v is wide valley but
trenched by stream
has wh oak, bl oak,
red oak, elm, wh pine

Leave (15) at Cooper -
up near Co. - lots of
shellback hick, with
oak on gravel valley flat.



g - looks like moraine
hills (valley head moraine)
with smooth rounded

curves, while M rises
 higher & steeper
 This view from
 rd to Watkins
 Profiles: -



Whole valley is farmed
 Timothy, clover, buckwheat
 oats

Up onto divide -
 rolling upland -

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a piece of woods is
 s, maple, hemlock,
 beech, ash, Tilia, redbud

Vib. acerif.	Asp. marg.
red maple	Waldsteiner
Ostrya	Asp. spec.
Rubus odor.	
Ceter. dir.	Hydroph. long.
Hep. acut.	Sleptopus
Arum. atr.	Urtica. spec.
Smilacina rac.	

Watkins Glen

Red oak	Acer penn
Tilia	Carpinus
wh oak	Amel
ch oak	wh oak
	ash
	red maple
	chestnut
Rubus odor	Asp. spm
Vib. acerif	mang
Hamam	Polyp
Geranium	
Cornus sp	
Psedera	
Chokecherry	Eup. urtica
Cornus alt	Sol. leaf
Azalea	" cream
Smilax (small)	Aster macro

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Callersonia Maranth
 Polygala paucif
 Hep. obtusa
 Urtica per
 Aralia nudica

The flora of gorge is a
 cliff flora w. such
 sp. as Cystop. bulbifer
 Comp. robust (local)
 Solipia dortm (?)
 & shade Moss
 Euphrat.
 Raportia Aralia sp
 Pilea wh

above cliffs almost so
steep - hemlock & hard
Fagus & Acer ^{2 species} from border
of hemlock in upper
gorge
White pines on S facing
upper slope

A young grove on
that back to park area
White pine
ch. oak
a fairly large tulip tree &
some smaller
aspens

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An area of large
Norway pine (focus
almost west) with white pine
Under, are hemlock
red maple, red oak,
ch. oak, chestnut
Bet. lentic
Kalmia, Gaylussacia
Vit. acerifolia
Maianthemum, Mitchell, Pteris
Appear some much as on
slopes in upper track.
etc. for Kalmia, chest., &
ch. oak
Younger Norway pine
areas in some a bit

larger & w. larger oak
Desm. nudif
Melampyrum
Aralia nudif

Changes to sub-fine
(or finely large oaks)
Still ericaceous layer
+ Polyg. paucif
Acer pl., Vib. acerif
gaulth., Epigae

To oak:-

Ch. oak, red oak, wh. pine
& more broadleaf under

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Young 2ndary oak:-
~~bl. oak~~, ch. oak, wh. oak

Under - Cornus fln
cherry,

Azalea
& Common herbs

En Route
back to Wellston

226 to Sarona

+ U.S. 15-

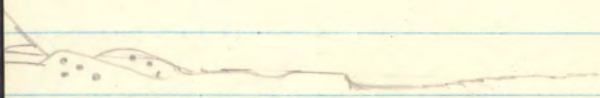
on U.S. 15, v s slope
of plateau, oak w. wh
pine, v glauc. deep
0-14 where high.
across the mid valley
the n. slope has hemlock

After Painted Post

Conestoga River
Silver maple, elm
+ willow

Groves of walnut^m
flat

Just north of Togo
on U.S. 15 & Pa. 84
valley profile:-



= mt slope

... glacial hills

valley flat mde +

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often swampy

glacial hills have pine
& hemlock just like
mt slopes - hemlock
on n + protected slope

Aug. 15, 1945
East
cut on U.S. 6 from
Wellsboro to Mansfield
Up on top of rolling plateau
glacially modified topog.
Deep drift in cut on top.
(6 mi. E.)
In some places, drift
but up against rock
hills.

Old 2nd growth or cut-over
forests are partly spruce
hardwoods & partly hemlock
and white pine

Cultural use - timothy
hay & pasture, oats
and breakers, red
clover fields, barley

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Sets of sycamore on stream
E. of Mansfield abt 549

pe-fig, Red Cocoon, very abundant in wet
Munard + wild carrots,
& Sol. arguta in dry meadows

E. of Mansfield, open
sloping N. Sugar m.
on N. slope
Armenia Mt. 1776 ft.

cut. w. Burlington &
Burlington -

S. slope forest is
predominly oak -
wh. oak, bl oak, hickory

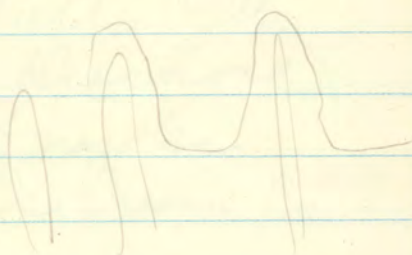
wh. pine (ch. oak in
some but not seen here)
Maple in understory

Red Rock Mt 2 3 34

Aug 15, Rickett's Glen
is in next notebook

Back Cover

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At Montrose -

W. W. Aitken
Editor, Montrose Independent

For Ricketts Glen
ash at Rushmore
A. B. Snyder
prop. H. Ice Cream Co.

The number of sp
in the climax depends
upon no. of tolerant
sp. in region