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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.

UNIFORM



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SCHOOL  
SERIES

NO. 103

28

E. LUCY BRAUN

R. R. 13, Box 41C

Cincinnati 30

Ohio

1945

(months)

(28)  
Aug. 15 Ricketts Glen

" 16 Eagles Mere,  
In Porte, to Lander

" 17 Lewisburg to  
State College on  
Mt 45

" 18. State College, - 7 mt.  
(circle trip, Bear meadows  
Bear meadows  
State College, campus road)

" 19. - 7 mt.; notes on  
various secondary comm.  
+ on Alnus, Sagar + Petrusalis  
Rum

Aug 20. - State College - Phillipsburg

- Black Mohannon

Aug 21. - State College - Lewistown

- Caledonia - Westminster

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Aug 15.

Ricketts Glen

by 115, 2 mi east of Red Rock

hemlock IIII 1

tulip 1

red oak II 1

beech III 2

Tilia 1 1

ash - 1 1

Ostrya 1

Betula 11

red maple

Hemlock	###	###	###	###	###	###	###	16
hickory	###	###	###	###	###	###	###	34
red oak	###	###	###	###	###	###	###	4
beech	###	###	###	###	###	###	###	5
Tilia	###	###	###	###	###	###	###	18
ash	###	###	###	###	###	###	###	15
Ostrya	###	###	###	###	###	###	###	3
Basalente	###	###	###	###	###	###	###	11
red maple	###	###	###	###	###	###	###	13
cucumber	###	###	###	###	###	###	###	1
ch. stump	###	###	###	###	###	###	###	1
Carya ovata	###	###	###	###	###	###	###	1
ra. rah	###	###	###	###	###	###	###	1
Carya sp.	###	###	###	###	###	###	###	1
s. maple	###	###	###	###	###	###	###	10
y. birch	###	###	###	###	###	###	###	6

Little	Hamamelis
beech	acer penn
hemlock	flex mont
s. maple	
Carpinus	
Basalente	
" lutea	
red maple	
Chestnut	

*Saxifraga*                      *Polypodium*  
*Hep. vlt.*                        *Asplenium*  
*Aster div.*                      *Phlegelis*  
*Mnium*                            *nigrum*  
~~*Pol.*~~  
*Mitchella*  
*Oxalis mont.*  
*Viola rot.*  
*Yucca serotina*  
*Populus*  
*Zosterella*  
*Saxifraga*  
*Artemisia*  
*Streptopus*  
*Aster acuminatus*

[Liths on bank]

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y. birch mostly near stream

Hemlock down on + at ft of steep NE slope

A few parts of flat are down. Hemlock in some brush + y birch & very tall

###	###	###	###		(6)	(16)
Hemlock	###	###	###	###	###	###
brush	###	###	###	###	###	(3)
y birch	###				###	(7)
Tilia	###	###			###	(5)
Ash					###	(2)
Betula					###	(4)
2 maple	###				###	(3)

a sycamore on creek

Polygonum bifidum  
Hymn

Syc. tree  
Aster acumin  
Asp n e  
Aspl across  
Hydrocotyle  
Cirsium

On mass slope,  
Sol. leaf  
Furcula  
Aster d  
Aspl across  
Vib. rot

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A mass in ps similar  
to Potomac ridge  
w & creek

Chelone glabra } dry  
Imp bifid } creek  
Lycopodium

Flat cont  
Inedula

Clantonia bar  
Aspl. bush on rocks

Acer spic on slope  
Polypodium on rocks

A creek flat - 2ndary  
y. bush, beech, tuln  
ash, maple

Slopes of Left Fork

and

Spiraea  
Hydrangea

Phacelia. Dryas

Artemisia

Trollius - erect?

plumella

These steep slopes  
of narrow valley  
from many large  
y. birch

Well up in left fork

good forest

Tilia

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Betula

" lutea

hemlock

maple

I see no beech on steep  
slopes (see latter)

mostly birch-hemlock

Come into broader  
valley above falls,  
lots of beech with  
hemlock-shrub-land

then more mixed  
with shrub-land, beech,  
Tilia, maple, birch

Asp. speciosa  
Rubus



Still higher

hemlock - birch

more or less on top  
logged -

1. or hemlock?

old rotten white pine  
stumps but no  
pine regrowth.

The bulk of hemlock  
was left

lots of young  
of birch

the birch  
or maple

A very irregular

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hemmochy surface  
like north-woods  
but rocky

Moistly rock

" moss covered

+ Lycopodium annot. creeping

Pine obsc

Oxalis mat

Carex

Beech-birch hemlock  
2ndary sprout

Trollius umb

Rubus

lacc pen

gley mat (A)

Some cherry, 10 in

Beech stands  
a fine largest  
mostly 6-8 ft in  
some cherry & maple

We saw no white  
pine on the Red Rock  
Mts.

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Aug. 16.

Wellsboro - 660-15 - Blossburg -  
Oldenburg - Canton - Eagles Mere -  
Laporte - Hughesville - Muncy -  
Milton - Lewisburg

Hebesoma forms patches  
in a ground cover in  
aspen & open spruce  
woods & in pastures

Eagles Mere mt.

High/Cut  
Summit at Overlook

young sprouts -

on south face of knob  
oaks - red, white  
ch oak with some hickory  
On north slope a maple  
ash, cherry, beech

older dead chestnut  
Lots of Dicksonia  
in lighter margin

A small Lake at  
Eagle's Mere

Boggy borders with

Nyssa / dwarfed  
red maple - 10  
- 6 1/2 ft, sun-sweet  
Vacc. fall - Rhodospir  
vib / lentago  
Saxifrag. shrub  
Kalmia - 11 vert

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Rubus hirsutus  
Mullein Osmund cin  
Asteraceae Pteris  
Maianth  
Saxifrag. (Carex aff)  
pink Hypericum in  
moor border  
Hypericum sp

Speraea alba

Nymphoides adon

Sphagnum moor at edge

Yellow birch - red maple  
border beech  
with

Osm. cin Asp. n f

Rubus hisp  
Asteraceae  
Lyc. cl. var. big running  
train

Box north of  
raporte out 220

Vib. lentago  
Pyrus mel.  
Kalmia  
Vacc. low  
" tall  
~~leafy family shrub~~  
Nemophantes

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Wentgreen  
slatida

Lyc. (narrow fls)  
Rubus hisp  
Artem. sp.  
Adon. (?)  
Salix sp.  
Sp. alba  
Nemophantes  
Western D. ex fam border  
Chamaetaph.  
L. stem  
Pyrus mel.

now has hemlock  
& aspen border  
slat here while pine  
as shown by stumps

A sphagnum bog  
Cornus canadensis

Trout down  
on 220

Julia enters.  
lot of oak on sunny  
slope of Nancy Valley  
degraded, been  
mostly hemlock,  
larchwood, in place  
lots of the dip  
lots walnut on valley  
slopes.

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Sequoia along  
stream  
occasional white pine  
very massive, dark  
white pine high up  
to rocky slopes to  
left, & along river  
at "Picture Rock"  
whole south slope appears  
to be oak. Also hemlock  
red elm.  
Tilia is different

S. of Seymour  
top of 0 1/2 (out of  
outlet) across river  
large white oak & white pine

in a small park;  
at Murray, big  
leafy tree

on 14 - on slope  
pitch pine in oak  
community of sand  
ridge; also white  
pine, in ridge &  
valley present.  
*Pinus virginiana*  
Aspect entirely  
different

Oaks; hickory, nyssa  
also  
S. maple.

usually, white pine & several  
few oaks  
American hickory 9 mi

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N. of Milton

6 mi. N. of Milton  
white oak (big) on  
general plain

Aug. 17.

Considerable corn along  
the valley - (mostly)

Scattered trees of the low  
lands: -

white oak

walnut

ash

white pine

hickory

scarlet oak?

black oak

An oak-wh. pine second  
growth stand: -

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black oak, hickory

b.t. oak, tulip, chestnut  
oak,

Pinus virginiana area with  
oak + wh. pine

Low ridge - oak woods, oaks,  
red maple, tulip, ash,

pitch pine, white pine

P. virgin. cherry, paw.

nyssa, hickory,

Cornus florida

oaks are white, black,

chestnut, scarlet, norfolkia?

Hemlock, rhodo. in the

valleys, yellow birch,

white pine, ~~maple~~

maple.

going up,

On 45

about 14 mi. W of  
Moffenbury

North slope dry, <sup>above highway</sup>  
oak comm., -  
(secondary)

wh. oak

ch. oak

red oak

bl. red

big chest stumps

white pine, app. only  
at edge

Cornus flora

chestnut

red maple

wh. oak

ch. oak

Bet. lutea

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Gaylussacia

Kalmia

Vacc. penn.

St. " vac.

Vib. acerif.

Azalea sp.

Corylus

Pots of rocks on surface

Saxifraga

Chadrona sp.

quercus

Erythraea

Melampyrum

Ulex nudifl.

Discystris

Pteris

Polygonum pennif.

Polygonum

Delphinium

Aster sp.

Smilacina

Arabis nudifl. (fem)

Waldsteinia

Below highway

a few large trees: -

red maple

red oak

wh. oak

bl. oak

hemlock

wh. pine



Small

hemlock

red maple

Cornus fl.

Carya

chickadee

oaks

Hamamelis

Mitchella

Kalmia

Hep. obt

Cornus alt

Indeanb

butocery

Polygonum

Sp. sp.

Umb. perf

gaulth. virginica - var

Only a few gaulth & var

where no big trees -  
all little and growth  
mostly wh oak bluish

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us above but less dry  
Shallow black duff  
on sandy soil

Farther on

A slight concavity  
of slope

has some Rhodod &  
hemlock & Kalmia

red maple

ch. birch

oaks -

hickory

red pine

the area of  
white pines  
& stumps

also chestnut stumps

a little beech

Second of weathered rock  
& ch. block, w. little  
ash n. y. s. -  
Hemlock, wh. pine  
Rhod

Local areas are domi-  
nantly hemlock -  
2nd growth, dark, dense  
& without grass cover  
Some are hemlock & wh. pine

Come off of this mt.  
in Woodman wh. is in  
a valley

Looking back to mt. slope -  
hemlock is scattered  
& localized pretty  
much over the slopes

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Going west from Woodman  
across one of - valleys of  
- province. Rolling  
land to hilly, almost  
entirely farmed

Find oak more on  
westerly slope of mt. to  
our left, not nearly  
much of ~~oak~~ on westerly  
slope of mt. to right,  
but much white pine &  
& hemlock in recesses

West of Millheim, we  
almost pure stand of  
white pine on low  
hills of valley.

at Spring Mill, ~~and~~  
another mountain  
begins on the left  
A ~~low~~ limestone  
mixed oak on the  
N. slope

A low hills oak grove  
of fairly large trees -  
(very representative)  
wh oak - all sizes, big  
to little &  
wh pine - sev.  
red oak #  
*Carya glabra* (?)

Saplings: -

wh oak red oak

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*Carya glabra* ? red oak  
*Crataegus* wh pine  
*Prunus* ser. *Cornus flor*  
*Rosa*

Not an ericaceous type

*Solidago caem*

*P. inf* *Fragaria*

*Smilacina* sp.

*Urtica* sp. acum.

*Osmorhiza* hirsuta

*Pseuder*

*Rubus* occidentalis

*Vitis* *Celastrus*

*Rosa* *Cornus asp?*

wh. limestone piece  
on surface

*Geranium mac.* *Ceanothus*  
*Trifolium pratense* *Smilax herb*  
*Allium cernu*

The woods ~~de~~ <sup>de</sup> ~~along~~ <sup>along</sup> just east ~~of~~ <sup>of</sup> old fort.

At ~~Old Fort~~ -

At Potters Mills -

Sugar maple on stream slopes.

At State College -

1200 ft level

Oak woods of campus

& ~~Wittany~~ <sup>Wittany</sup> ~~Pan~~ <sup>Pan</sup> ~~Dun~~ <sup>Dun</sup> -

white oak, black oak

*Q. alba*, *P. strobus*, *P. rug.*

This is Harrisburg  
penplain

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State College Aug 18.

oak community

White oak *oak*, *penne*

black oak *a red maple*

scarlet oak *in a small def*

red oak - *Penus - ?* *red oak*

more in shells *def*

(a black oak stump - 112 yrs

to within about 3 in. of center

where rings very small.

Probably suppressed as a

young tree)

Campus sp. represented

in understory. *Cornus* *paill*

other woody sp: - *Praderia*

*Ceanothus* *Sp. in*

*Sambucus* *var. Prunus*

*Rubus* *occid. Sassafras*

red oak - *red*!

made up of wh oak & bristle tip  
oak (black, parrot and red)  
in varying proportions in  
diff. stands. The most  
striking & char of these is  
that in which white oak is  
dominant.

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oak community of Harrington penins.

See over

red oak - red!

The ... ..

Steak of: -  
 beam, mostly from  
 oak, with  
 oak leaves  
 Serranus  
 Curlew  
 Salspurg  
 Salspurg  
 Salspurg  
 Salspurg  
 Salspurg  
 Salspurg

Aug. 18

State College -

Bear Meadows &

all around various rd's.

At Bear Meadows -

A few fairly large trees:

red maple

hemlock

Rhododendron & Kalina

Going up slope immediately  
to oaks

White oak

black oak

ch. oak

scarlet oak

red oak - var.

with some  
red maple

and an ericaceous  
layer of.  
Kalmia } sometimes on  
Gayb. } another  
Vacc. penn. } + vac.  
Gaultheria

A not much less

There was chestnut  
as ind. by occ. shoots

Occ. of:-

Hamamelis

Pteris

Comptonia - at edge  
mostly along rd

Cyperus melano

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Melanopyrum

Eriogonum

Rhynchospora laevigata

Cyperus aculeatus

Going down into

Bear meadows border

W. Loch - Rhod.

Spruce - rather large

hemlock

pitch pine

red maple

nyssa

Rhod.

chestnut

Kalmia

Amel.

tall vac.

Sphagnum - Barton

Coptis

Rubus

pink Hypericum  
Cinn. fern  
Juncus sp  
Pipus melano  
Urosaria rot.

Seems to have a  
sand bottom (at edge  
with Sphagnum <sup>anyway</sup>  
the sand

Eriophorum  
Hepatica  
Vib. lentago  
Juncus family hemiparasitic  
Alder

Carex spp  
Juncus spp

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Scirpus  
Asp. Thelypt  
Hutchinsonia

On north Bear Meadow  
Road - at jet.

A flat: -  
red maple  
red oak, ash  
hemlock under.

Goes into lower  
flat of  
red maple, hemlock  
with Rhod. pendulosa  
with Rhod. pendulosa  
& some Kalma



Sphagnum  
small Solms  
in mouth  
Cryptes

1/2 mi on toward Baldy

Broad <sup>(?)</sup> razine flat  
with parks stream about

red maple

Hamamelis

hickory

red oak

Bet. lenta

asp. n. h.

hemlock

Podophyllum

Tilia

Waldsteinia

Tulip

Brachyelytrum

Irregular terrane

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(1.3 mi)

a west slope

mostly scarlet oak +

paper birch + some red maple  
with lots of D. canadensis

Gaulth.

Bapt. tinctoria

Wace

Comptonia

Kalmia

quillgrass

Sphagnum

Hamamelis - Rhus  
R. M., a cedar maple  
scarlet

Aug 19

Bear Meadows -

where road forms dam

Carex - Dulichium - Sphagnum

- Glyceria -

with clumps of shrubs

Alder clumps

Spiraea alba? pinkish  
like *Spiraea menziesii*

Pyrus melanocarpa

Chamaedaphne

Viburnum <sup>recognitum Fern</sup>

group, <sup>= *V. dentatum* of author's sp.</sup>

Rubus tripartitus

Cephalanthus

Praderium

Xolisma (sp)

Nemophila

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Marginal trees -

hemlock

white pine

red maple

red oak

ch. birch

*P. jeffersonii* (sp)

undergr -

Rh. Lad

Kalmia

vacc. tall

Mitchella

Trollium und

Macar. n b

Asp. n b

Gaultheria

Coptis

Gayl

1.1 mi beyond Trenton

On mt slope :-

The ch. val comm.

very rocky - more or  
less covered rock shales

Larger trees:

D. montana

Under

wh. pine

Acer penn

Nyssa

red maple

Chestnut

Hamamelis

large old stump

ch val

ch birch

Nyssa

red maple

red val

red oak

ch birch

Shrub layer is predominant

Rubus

vac. vac

wh pine

" ternu

chestnut

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Gaylussou

Gaultheria

Arctostaphylos

Smilax rot

The Rubus Gayl. + vac  
vary in dominance  
from place to place.

The continuity of a  
arenaceous layer is  
impr + the paucity  
of species pronounced

The above is app. primary  
etc for dead chestnut

The ch. val very knotty +  
or deep furrows bark

The secondary ch. val  
common is similar  
but app. more down of  
1 size of ch val, +

much less of a shrub  
layer, because of  
more truncation  
which does not permit  
as much intrusion of  
light

Weniger primary  
have broken into large

size

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Cherry Birch (*B. lenta*)  
rockslide Comm.

Occupies the most  
tumbled rocky slopes  
where no soil & no  
shrub layer

*Bet. lenta* pioneers &  
retains dominance  
to maturity

Ch oaks enter in the  
most favorable  
over spreading scattered

Scattered *Kalmia*  
over ferns, *Rubus* etc.

*Umbellularia* (see notes  
a piece of rock from here) 1/2

for  
A jacket of Bear meads  
with n. meadow rd -  
A group of large yew trees  
& 2 pines or yellow  
plate bark

Going down -  
Scarlet oak enters

Pass Detweiler Run rd  
wh. oak enters  
also dogwood  
tulip tree

This a young stand  
abundant of sprouts  
trees 6-10 in

Not so steep, not

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so many rocks  
exposed

more lush ground

Q. montana

Q. cocca

red maple

tulip

nyssa

Black oak (central + kno)

Carya sp. glabra

Red oak

very sparse undergrowth  
veg. - a few patches  
+ poor Kalmia & the  
dec. fern, saw,

Pass Beidleheimer rd.

A flat top low ridge,

up where more  
shaly (but here) rock

Some is ordinary oak  
or, ch. oak, wh. oak, h. oak  
hackberry, myrtle

Then a Scrub Pine Common

P. virg

Under -

Carya glabra P. virg

C. glabra

P. rigidus P. strobus

Plantaginifolia spp.

Ant. plant

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brachylobis

Cledonia spp.

Leucobryum

leucobryum

Potentilla ca.

down to jet. at  
pine sample plot.

Then along valley

dense hemlock

mostly small

+ hemlock Rhodo

+ red maple

wh pine,

to Alan Selger

Alan Seeger  
State Forest monument

Large  
A broad valley with  
streams slightly indented

Large trees

hemlock  
red maple  
s oak  
wh pine  
t pine  
chestnut  
chestnut

Medium size

hemlock  
red maple  
wh oak  
fir  
Bet leaves

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wh pine, pitch pine

Undergrowth

Rhododendron  
hemlock

Ground veg

Tull. and  
Mitchell  
Maunah

changes to an oak forest  
slightly (2-3 ft higher)

wh. oak	Madroño
red oak	wh. oak
sc oak	
nyssa	Ostrya
ch oak	dogwood

Small	Herbs
wh oak	Polygonum
dogwood	Malva
s. maple	
Hemlock	
hemlock	
Rhod.	
Kalmia	
Cucumber *	

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Some of white oak  
is really big

Going down slightly  
or less disturbed

the hemlock undergrowth  
becomes dense &  
lots of Rhod.

The biggest trees are  
white oak

Big -	Middle
wh oak	hemlock
hemlock	tulip
sc oak	
nyssa	



Smaller -  
hemlock  
ch birch  
cucumber  
red oak

Underage - not much  
Ph. 100

birch blanda  
Mushell

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(In Alan Seeger)

hemlock	###	###	###	###	###	###	18
	###	###	###	1			31
wh oak	###	###	###	###	###	###	14
							3

oak

nyssa	###		5	1	1
wh pine	###	###	6	1	6
Bet lenta	###	###	3	###	9
red oak	###	###	5	###	7
cucumber	1	###	1	###	8
red maple	###	###	12	###	5
hickory	1	###	1	###	2
Carya	###		5		
cherry				1	1
Smaller -					
hemlock, hickory, Bet lenta					
ash				1	1

very little ground veg

Mainly  
Mitchell's  
Asp. n. h.  
Polypogonaceae  
Sida  
Cyperaceae  
Mossy  
& liver

Lots of Rhodo.

At the above ranges  
the low part of valley

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Slightly higher:-

wh oak					
red maple					
ash					
wh pine					
hickory					
red oak					
s maple					
hemlock					
ch oak					
substr	- Rhodo				

Grassy Clearings  
Palms of Sphagnum  
Aster

The most mesic corner  
of a region occ.  
the high mt valley  
is a hemlock - - -  
Such as green in the  
Alan Seeger  
This is not a present  
region of type

Old and growth  
stands of this  
habitat are  
hemlock-white pine

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with nothing much  
under  
lots of small hemlock  
white pine

a large chest. stump  
where Alan Seeger  
forest starts up  
hill from big creek  
hemlock - Rhod  
or white pine  
tulip  
big chest. spruce  
white

At a considerably  
higher alt. than  
the <sup>area</sup> ~~area~~ <sup>is</sup> ~~is~~

Detweiller Run

Go down across  
or lower part of  
a ch. oak rock slide  
common

into hemlock & Rhod

Edge toward head of  
draw is  
a young birch rock slide  
common

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A slope forest on  
ravine slopes -

Hemlock

White pine

Red maple

Nyssa

Red hents

9 a big tulip - at upper  
edge of common

Rhodod

lots of small birch  
& h. oak

Acers fern

tulip tree small

This occupies same  
openly next to the  
hemlock Rhodism  
not fauna & valley etc

At upper edge -

a big tree  
wh oak  
oh oak  
wh pine

\* note below \*

After Detweiler Rd  
rd joins rd  
to Crested rd

go along top  
of a ridge

All dwarf -

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*Q. montana* Pursh  
Sassafras  
Chesnut  
*Q. nana*, some of

At 10 ft & more  
Hemlock - pretty big

dense vac pen  
Gayl  
Kalmia

\* From road above  
Detweiler forest, looking  
across to opp. slope,  
white pine & hemlock  
dotted in dec. trees  
to very top of opp  
ridge - which was  
about a north slope

Aug 20 - PM

State College - Phillips  
- Black Mountain  
State Park -

Go over last ridge of  
R + Y province at  
Skytop

Before this cross  
a no. of low ridges  
which are higher than  
H. pencil. These  
are all oak - mostly  
bit oak - scarlet,  
black

going down n. slope  
from Sky Top -

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young secondary ch. wood  
on cuts & mt slope.

wh, pine & hemlock  
red maple, red oak  
& lots of s. maple  
& some birch

Go 3 mi. in last  
along valley & turn  
into allg. Fr  
Hemlock, wh. pine & oaks  
Large s. maples  
scattered.

Rise in front  
All secondary &  
mostly young

Oaks dominant  
white, bl. & scarlet  
but differ from

ridges of quartz  
in northward  
bed, under ground  
of more or less  
less from a  
heat layer.  
Patches of *D. nana*  
from Phillipsburg  
in 504.

Some fine white  
pencil plants  
but mostly young  
and dry soil

Some plants of  
in forest

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*Merula*  
pin cherry

*Anaphalis*  
lots of Bet. leaves

*Comptonia* common in  
rocks

T. mixed with these

some more plants

*Hydrangea*

*Opulenta*

*Eup. per.*

*Rhodod.*

Black moshannon  
Cube -

artificial but has  
sprouts & herb sp of  
lake & bog; -

*Vib. pentago*  
*Dulichium*

*Tradescantia*

*Rubus* (3)

*Veronica americana?*

*Glyceria* - bog

*Spikely*

*Lycopodium*

*Physalis* - red

*Scutellaria gallica?*

*Lyssimachia* (that  
rarely blooms &  
has very prop. in  
aubs)

*Azalea* - bluish lvs

Rd around lake -

hemlock & the pine  
border

*Osmunda cinnam.*  
*Lisc. obsc.*

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*Pell. and*

*Achillea* - bog

*maionth*

*medica*

*Cornus can.*

*Aralia hispida*

*Troutlet*

*quillheria*

*Aralia nudica*

*labradorica*

*Coptis*

in a deep peaty duff  
dry

Small patches of *Sphagnum*

*Sorbus*

*Pleurozium*

*Asp. open*

Shrub border of

tall bae

*Nemophila*



dense ground cover  
of Rubus? (spr)  
var. penn  
Pteris

Abetter

Stem Cabbag

meadow

Sedge

Oulechia

Drosera

dry wet

Chamaedaphne

Rhodo

Sphagnum bog

Ericophorum

Huge oak pine stump

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Pyrola

White Sphaer

Royal fern

White pine in

sphagnum bog

with Drosera & bog

shrubs

Barloma

Viburnum lutescens

48-19

woods

red raspberry

The bog border

goes uphill on

west slope

to

wh. pine

red oak

hemlock, beech,  
red maple, red oak, black  
oak, pine under

Mitchella  
maianth.  
Aralia nudicaulis  
Ruzula salt

Corylus rostrata  
Lysichiton  
Thalictrum  
Sium  
melampyrum  
huge white pine  
Cornus  
medica  
Polygala pauciflora  
about 3 in. of ground off

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In case, go on higher  
up into secondary  
oak - East slope  
somewhat mesic  
rh oak  
sc oak  
rh oak  
red maple

Smilax  
red maple  
rh oak  
Corylus rostrata  
Chamaenerion  
scattered  
Aralia nudicaulis  
gaultheria  
Hammond  
Dactylis  
Vicia fimbriata

Stems, nude  
Amphicarpic

more use & lots of  
Coniferae used

Gets somewhat  
more healthy  
with Kalina  
Azalea  
etc

but also soft herbs  
& Q. montana

Back to 504

Go thru oak upland  
all 2 ndary oak

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mostly sprout oak  
to white & red maple is  
much red maple  
in lower spots

Where much deciduous  
(?) few sprout  
oaks; much  
D. nana  
Pitch pine  
Pop. grand

Sprout oaks are  
Q. alba, var. cocc., mont.  
some chestnut sprouts  
very much D. nana  
D. nana, larger under  
of wh. oak, bl. oak, oak  
J. pine  
Plant, series -  
vac, grayl.

Start down hill of  
front.

Coming down -

A prairie (shallow)

Tilia (sp) - T. neglecta

Corys alba

Ostrya

Quercus

Ash

White

Maple

Red Elm

Dogwood

Red Oak

Basswood

Rubus

Black

German

Commifuge

Hepatica

Trillium

Aspid

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

Trillium

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On 220

just nr. of Grumville

SSS slope to rd

has some, beech

Tilia, oaks, ash

hickory, red elm

looks like a De. sh

slope

Aug 21

322 to Lewis town

Cross mts -

ch brick rock slide  
common

north slope, with  
wh pine & hemlock  
scattered to top

Ranunculus on far  
side (far from the city)  
have tulip, Tulia,  
brick, hemlock, red  
maple, wh pine  
oaks

(above is at Laurel Run  
while crossing "Seven  
Mountains" there

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was a white pine  
plantation - planted  
1913. Trees still  
small.

Laurel Creek -  
add ash, red elm

Tea Creek (6 mi  
from Lewis town) has  
walnut, poplar,  
maple, red elm,  
hemlock.

along creek. especially  
white elm, willow,  
black & osceola,  
silver maple -  
(Kiss-burn Co.)

Part Summit on  
Juniper R. river  
bank, with spec.  
& willow. Lots of  
tulip on terrace &  
lower slopes, but  
mostly oak on  
slopes.

Mountain slopes - S slope  
oaks  
white, red & chestnut  
hickory  
Nyssa  
tulip

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beech  
ash

Some trees eaten up  
here, they were  
not on the plateau

Big white oaks &  
Alder Hamshary  
penicillium at  
Thompsonston

Cross Juniper R. River  
at Newport  
& for river on  
Penn. 34, going  
into into

East

hemlock & white pine  
 S. f. are oaks - <sup>black</sup> - <sup>white</sup>  
 tulip, ash, red maple  
 dogwood, hemlock <sup>hooker</sup>  
 beech (a so. beech) <sup>nyssa</sup>  
 Amel, ch birch, <sup>oaks</sup>  
 red ch., white pine  
 Kalmer <sup>Diospyros</sup>  
 Cornwall <sup>and of note gl.</sup>  
 Hamon <sup>Baptisia</sup>  
 Solidago sp  
 leaf

Higher, more oak,  
tulip & Chestnut

So acid, with  
Virginia Creeper

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only reproduction

Drain valleys to the  
 N. W. seem to have  
 lots of shell bark  
 hooker. orange  
 mulberry

Shaly area N.  
Corn hills

Pinus virginiana  
" nigra  
oaks

tulip  
Vaccinium  
or (over)

oak woods with  
hickory, tulip,  
white pine, dogwood

A s. s. face  
of shale + P. layer  
Tondary oak + P. vine  
with  
Cunila, Danthium

Stewart's Gap - Blue  
Mts. Elev. 730 ft

just south of the  
white oak grove  
of large trees

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Caledonia State Park

valley: - large trees: -  
white pine  
hemlock

Pine  
Ch birch  
wh oak Rhodod  
red maple Kalmia  
tulip Arum  
red oak

Nyssa  
Cob oak - 1

Smaller -  
hemlock Alder  
wh pine Vib. luteum  
red maple Prunus  
red oak Bonyon  
wh oak  
Nyssa  
cherry Osn. ann



Skunkhobby along creek

Slopes: - (Lower)

larger:

white pine (big)

hemlock

red oak

white oak

Smaller

Wycher

Chestnut

maple

red maple

Sassa

A. montana

tulip

Banyan

Hamamelis

Poplar

Rhodod

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asp. nb. Jacksonia

Chelidonium

mastrich

Asteraceae

Mitella

Chenopodium

Dioscorea

young up slope  
Atract

Jacksonia bilacul

var. var. Asplen

gaultheria Kalnia

Melampyrum

ferns abundant on  
lower slope & flats

More oaks -

ch. oak

So oak

White pine - 3 needle sy. <sup>white</sup> bark

Red oak

Chestnut  
hills, ch

Kalmia

Doyle

Gaulth

hills

Bsp. Mary

ch. oak

1 spec

Wacery

Polypodium paucif

Woodlark pet

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(Back on flts)

red maple locally  
abund

W. lab. W. W.

Panicum claud

Medea

Trichelys

Rubus hisp (3)

Marrubium

mt. Kemmer  
South mo

1407 feet

on US 30,

As we emerged onto  
the prairie we  
left the white pine  
& hemlock just  
before Cashtown.

At McKnight's along  
an old oak grove  
(soil red)  
we. Marsh Creek.  
White oak, black  
oak, Hickory

Back Cover

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Lith. restrictella  
mine of Plectroptera

Cellulose acetate -  
a good transparent  
material for spreading  
but for does demand

Carlisle - south  
Mt Holly Springs  
Hunters Run  
& turn to right  
to Pine Grove Furnace  
a prep on to Caledonia  
State Park