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JUNE, 1948

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SALEM PIKE,
MT. WASHINGTON.
R.R. 13, BOX 41C
CINCINNATI 30
OHIO

E. i

June 15.
en route, Phila - New
Brunswick (notes lost)
June 16 - Mettlers woods,
N. Brunswick
June 17 - Holly forest,
Sandy Hook
Pine Barrens & bog,
at Silverton
Island Beach
June 18. Pine Barrens,
"Plains"
Martha Bog (per)

June 19-20. - Md. Pulmonaria
Westminster, etc
June 23, 25. Rock Creek
Park, Wash., DC
Potomac Falls.

Mettler's Woods
Wh. oak | June 15
bl.
Chry a
but under, is diff
r. red maple
s maple occ. red ode
ash
dogwood
cherry

Myrapple
Arisaema atro-

276 ft. el. June 16
at Atlantic Highlands
wh is c. p. held by
iron hard-pan.

Slopes are -
ch. oak
wh oak
+ was chestnut

Transverse
H

Excessive layer
of var. Kalmia
azalea mud. Gay

Sandy Hook

Holly forest

crowberry into

Jump ring (column)

which is nearer Cos

Holly dominant

occ. red maple

Holly of various

sizes

occ. coynt. (so, ~~thare~~)

Diospyros, occ

Amelanchier ~~sp~~ oblongf

Under-

Smilacina pleiten

in patches

Smilax rot

Mitchella

appears to be a
dune climax following
ammophila → shrub →
juniperus → holly

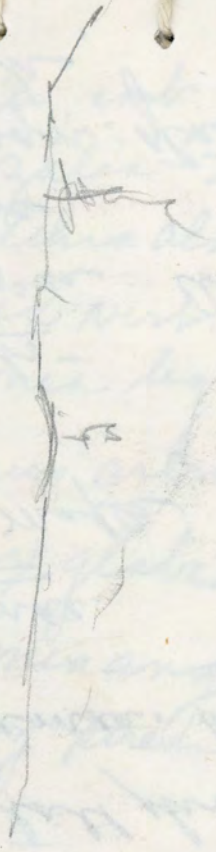
Interpreted as
a rally spray climax.

Blowouts -

W. Hudsonia tom
Helianthemum
Artemisia - cut
to wet - salt marsh
depression

Pine Barrens
at Silverton Bog

Pine → dead border
→ down to Chaun. bog



The tall shrub ▽
Chamae. area

Chamae.

red maple

Shrubs –
Nyssa Alder
Vac.
Magn. glauca
Ceph.

Shrubs, cont
Azalea – 2 – vsc
Clethra alnif
Ilex vert.
Lyonia lig
Pyrus arbut
Ilex glabra
Kalmia ang. along
bog stream

Pine barren —
P. rigida almost the only tree
v.v. P. ~~rigida~~ echinata
& in open stands

Some small, i.e. all
size classes
Under pines —
Q. ilicifolia Q. stellata
Q. marilandica Kalmia latifolia
P. penna
Bayberry
Goyflower

mats of Arctostaphylos
Gaultheria
Melampyrum
Helianthemum
Arenaria caroliniana
Hutsonia ericoides
much more open
habit than H. tomentosa
Baptisia tinctoria
Cypr. acaule
Euphorbia Ipecacuanhae
Bracken

Slope (decided) bet
pine flat & water

More shrubs - dense
almost closed aft 3 ft
Gayl frondosa
Kalmia ang & lat
Vac. corym
Clethra aln
Azalea (gr under) nr
water

Bog - occupies estuary
Chamaecyparis
all sizes

Chamaedaphne
Kalmia ang
Drosera pot in 2 ft
" intermed
Barrace
Crant - macrocarpon
Habenaria (little
Osmunda cinn

occ. oaks -
falcata
montana
hybrids
Phellos

Carex
Kobomugi -
on dunes
(intr.)

June 18

Out on highway to
Island Hts -
wh. oak + woods

Xerophyllum in
burned Pine B

Shrubs - P B
Lyonia (Pieris) mariana
Gayl. dumosa long
wh. flower
Kalmia ang
var eh eh

near a little town
in a cemetery, more
oak. cypl. - fire interf
with & oaks get ahead

Cycles reversed
from at boy's lands

---

patch of Bet. poplar.
(near) Brown Mills
(beyond)
Come out of Barrens

More & good oak woods
Pinus virg. appears.
This is an indic. that
we are out of barrens
& here cult. lands
near. This is Crat. belt.
(~~turn sharp left & pass~~
~~go back into Barrens~~
Thus is Dear Lisbon.
Then back into P B

Some areas beyond
Leb. F. are gone to

oak since man came
in

"Plans"

Martha's Boy
Lophiola
Eriocaulon
Narthecium
Calopogon pulch
~~Arethusa~~
Pogonia ophio
Drosera for fl.
Sarracenia

June 20

Westminster, Md
(and Sat. P.M.)

Woods at end of
Ridge Rd.

Oak, mostly Q. montana
w. some white oak, red oak
& tulip, all of
wh. are in lime
layers

A few small beech.
One oak stump

showed a time of release, but many later rings were to indistinct to count. Perhaps about 1860.

Most of these Red. Pil. oak woods have not had time to develop the part beech — if there is that tendency.

All the oak (or oak-tulip) woods are secondary, even though fairly old. There are groves of very old sh. oak. The similarity in comp. of the diff. age stands denotes that all are

repr. & same
succ. stage. The
greater amt of tulip
in some young stands
may be due to replace
of chestnut. Infact,
the tulip in all
stands may in
part replace dead

chestnut, & if so,
its % may be expected
to decrease if succ.
not interfered with
The greater number
of fair size beech in
ravine woods may
be due to
(1) less utilizg.
(2) more rapid succ.

That beech appears in many stands (as at end of Ridge Rd (on slope, but far at tree ranne) suggests potential succ. admixt

Washington, D.C.

Rock Creek Park

The coves and lower ravine slopes contain large propor. of beech.

One area (just S of Taft Bridge) where trees especially large & forest mc long

undisturbed (such
places were in old
estate + were clean)

white oak	10
beech	9
red oak	1
tulip	1

(Tulip in some places
more abund.)

In undergrowth above, all these
2p, were present
+ also:

Carpinus
dogwood
redbud
cherry
Carya glabra

Vib. acerif
Hydrangea
papaw
p. ivy

Paedera
Aslivder
Smilacina

Beech drops out a short distance up slopes. All higher forest are usual Piedmont oak types with heaths - bac. 2/p, Kalmia, Azalea nudi, Gaultheria, etc. -

Secondary Pinewoods.

Sligo Parkway, not far from Takoma Pk, Md. - also w. beech.

Beech is fairly abund. w/ Fall Line, but saw none where streams were crossed on the C.P. side of Fall Line instead - D. Phelps,

Bet. nigra & nyss
flats, & gentle
risers, but no
beech

June 25,
Wash. to Potomac
Falls.
Cross Pot. R. at
Chain Bridge in

Georgetown.
Beech in ravines
on Va. side. (The
bridge at head of tide
but most of woods too
young for beech.
General Piedmont
type — wh., red, black
post & blackjack oaks
more white oak,
toward ravines, more

of last 3 in the wider interstream areas.

In such woods, various heaths, Dirkomia, Cunila Chinquapin etc

Many secondary scrub pine woods which are being

replaced by dogwood, sass., red maple, & tulip. Often, very much tulip

June 15 - along
Pa. R. R.

Andalusia (3:46)
Cornwell 1 & to.
Yellow pin oak - pur. gum
stands (or either one,
esp. gum)
Older stands w. some
wh. oak have much
the aspect of Till Plains
occ. w. Phellos
Beech also in the
older stands (n. of
Eddington & s. of

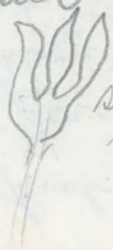
Croydon), suggesting
succ. sim. to our
"uplands"
[see also, Mettler's
woods, New Brunswick,

Back Cover

Low elev beech, Rob. = cor
rotundifolia = white
pub, + hairy f, V
broad, ~~[illegible]~~
thus as the
C. P. beech —

on James R. bluffs
wh. bark
stiff pale pub.,
beh. veins, + persist
Red beech — above 3 room
curly scurfy & slope
pub. wh. is decid

Coastal White



2 Red back of mts.

3. Gray beech of N. & of beech gaps of Smokies

Interim —
1 & 2 combined

Dr Johnson
Hist. of Ohio bey