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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.
MEMORANDUM BOOK
E. LUCY BRAUN
2702 MAY ST.
CINCINNATI, OHIO

Deciduous Forest:
Mo. and ARK

July 6. to Poplar Bluff & Big Spring State Park, Mo.

July 7. Ellington, Centerville - Bee Creek, 9& 1/2 mi. West.

Ellington, Eminence, Winfield - Big Spring.

July 8. Big Spring to Rolla 40 mi. South.
July 11. As Fayetteville
July 12. West of Fayetteville-
    Brannigan, Indianville, Redo-
    State Line - Dupre - Farc
    - Selby
July 13. Fayetteville to Cass-
    to Ponca - to Harrison
July 14. Harrison to Marshall-
    to Hedges; back to Marshall,
    to Conway
July 15. Conway, Ark., then
    Memphis to Jackson, Tenn.
    Spends of Conway; east
    of Little Rock; east of Pine
    east of Carlisle.

Mo. July 6. Poor mail in Valley and
End of Pop. Bluff

Eating 3 cakes. Sugar
mashed in flour
Following US 60 west from Buffalo Bluff, Mo.

Enter Clark not far from Cuba. Blue hills, rich soil.

Lavender, yew, black huckleberry, sassafras, pitch pine.

Rhus canadensis (bud)
A *Dusczanlaea*
formit, thin wood, with large leaves, esp. *Ephedra*.
Respektig off.

July 7.

to Centerville, +
my West Fork x Bee Fork

Ridges are 2, closer on compass.

Than yesterday, less
2 marlclounds. Ln
more prone mixed with
wa$h.

Can't think near Centerville.

Along West Fork & Bee Fork.

FLAT

*Gilead*

Carvers

Drew

Horsn

Now

Side 2, with

Elm + Oak. Annie Big

Abel"
West slopes, l.s.
sunwet
belleville
smulberry

Black hazel  geranium
paper  cattail
redbud  camas
oak  polyantha
pecan  hickory
hazel  agresta
walnut  blush
blue  hawthorn
bunch  pecan
corn  jalan

Bengen  lea sprinkler
treec  polyantha
starlight  cadacin
hydrangea  picea

Cornfield  palla or mock
pine  floodroot
spruce  white
rose  taos
thatching
Gazania longifolia
claytonia

Agave  a. midas
chigo  hubbub
Nepeta acris
josh
Dempsey's and
abana per
Camp fome
Area examined has been grazed.

General appearance is that of rather steeply gravelly slope around nine, vs. a similar gentle slope except no trees.

In contrast to prevailing oak type, this is a varied and more luxuriant flor.

En route, July 7.

Mtn. Elinn. 4 eminence, oak ridge, with some will.

Close to Elinn. 4th. Slope toward pale - large sugar maple.

Occasional pines stand on. S. on mtn. Elinn.

General aspect of field and similar to ponderosa pine plant of Alt. Pliens. East Dakota the variety. Absence of Corpsema major conspicuous.
A rich luxurious growth, even on home standard.
Bottoms are
deciduous
plains maps
and elm
ash

with Pecan and young spruce

draping trees

red oak 20
white oak 8
juliet 5
echinocarpus 4
ash 3

sycamore 3
p. maple 2
mulberry 1
butternut 1

moss

July 8

No. of specimens
7
Round Spring

Oakh. pine. red oak. etc. the
back and front here again

Explanations

m. velutina

Listed species:

locally

planter

White Pine

Epicarpus
nigra
nuvela

Buch.
Dear Rolla, a few more "prairie" species appear—

押金 / 鹰 / 草

the tall beart v. f. from the c.

In general, a flatland country, with much prairie-like

Q. platata

July 9 - Fancy Co.

Cedar Glades

sor. Braithwaite

open prairie-like

Cedar

Broom. bush, etc., etc.

Comm. olea

Phragmites

Reed can.

Hickory

Queen. as.

redbud

Persimmon

Red?

Pine. etc.

Gray down slope to

woodsy, thick isle

O. spathulata

O. sessilata ash
open, cont.

verbenas, deep yellow, t.b.

Delphinium & Iris

Flax-like, purple, mollis

Euphorbias, etc. etc. and many

Green, not common

Delphinium lace

Aster

Scabiosa, lace

Caryota

Silica

More and more, self-sown, from other seeds

June, 1910

Cedar Glade, first

with H. Hollister,

erie Co.

Silica

Cepaea

Eucalyptus

Gazania

Artemisia, common, low eye

Sage, little, cream

Salix regens

Pellaea on the junks

Sword fern
Plateau, Mo. - Ash -
region.

Everywhere, Pines esp. is
plentiful.

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 10</td>
<td>Pivot Rock</td>
<td>Northern pines on limestone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Whit oak III, II, I, III</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red oak: III, II, I, III, II</td>
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<tr>
<td></td>
<td></td>
<td>Walnut: III</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maple: III</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elm: III</td>
</tr>
<tr>
<td></td>
<td></td>
<td>White alder</td>
</tr>
<tr>
<td></td>
<td></td>
<td>White pine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sugar maple</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chestnut</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hickory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ash</td>
</tr>
</tbody>
</table>

Total: 83
Under:
  observed
  redbud
  maple
  oak
  walnut
  Sassafras
  Buckeye
  Nutreek
  Weeping
  Amelanchier
  Rhodora
  Ulmus
  Prunus
  Rhamnus
  Persicaria
  Vicia
  Cassia
  Spiraea
  Caesalpinia
  Bungea
  Bungea
  Salvia
  commercial
  Hydrangea
  Angelica
  Artemisia
  Cynara
  Cuphea
  Aglaiac
  Cynoglossum
  Brassica
  Crambe
  Brassica
  Brassica
  Brassica
  Crambe
  Brassica
MR. Spees and some
F. L. S. (from)
Coreopsis

N. slope

Trillium (されること)
Sol. caeris
Lycopodi
Salt. big 1
Chap. amar
Cleome, not sure
H. sp.
Cynog. sp.
Potentilla (in moss)

Rupit. amar

P. sp.

C. sp.
becoming more SM
as things seem to look

Open and growing but
lots of this year's
SM peeling

Euf. savst
little buds
Eucalce

At intervals as needed,
Moneyicago.
July 12.
Starting west from
Briceville.

Brassie patches, marsh
marsh, but very far
from plants, i.e., arnica
Helianthus.

Then coarse ridges with
trees. Tobacco Ignition
ridged tops.

Before Lindsay (D.C.) soil gets dark
of prairie type - a
few more prairie
plant.

Topography:

- pr. soil: yellow to
- pr. plants: reddish

Evenings:

- Arab. fire
- Brown
- Aloe
- Blueblossom
- English clover
- Bluebonnet

Aster??
Belinda negri
jus e. of Watts's home
by word, my e. for see

Cliffs steep, life
White rail, none

West of Selkirk Spr.
A few gave

Aegopiosis gracil
Hedera helix - biny molis

Amongst fruit
Cassia can
Salphoenia lance
Umbellula - Peltum

Add.: due

Castelle's
Pothysia xang
Pothysia xing
Pothysia flex
Pothysia flat
Pothysia taut
Pothysia end
Pothysia del
Pothysia ear
Pothysia pet
Pothysia
Pothysia meet
Pothysia keep
Pothysia fine Penn
Pothysia ten
Pothysia west
Pothysia end
Pothysia Cedar grow
Pothysia

Cefhalanthus in line
And there more
Spartum

Alone slight drainage
Line
Cepht
Herberta
Bridgen west big
Joe Edge?

Invasion by small
 Oaks only 2-3 ft high
Braunherg vast
White of mottle Pheals
Cephalon unmake
Leptherum
Driffling Springs, Ok.
A small gorge in dolomite

Slippery cliffs, gorge walls
White oak
Pine
Elm, oak
J. stellata
J. maril
Y. pine

Fineland, low bluffs
Many wild flowers

Under
Andr.
Chenopodias marian
L.
Senejas
Bee, vio, etc.
Aster, hares
Rudbeckia
Lupines
Crambe
Lachen, etc.
Sueh
Amsel
Cerine
Bor mont.
Cotoneaster
Brown
Ant, hard

Condoropsis in calcareous
at edge
Columb morn.
Gorse, alpines
White rhododendron
red rhododendron
Husia
Lepthyrea
Mullbery
Acaena
Acaena eighteen
Acaena
C. mullery

Small
Maple - Silver
Ash
Red Oak
Cherries
Hydrangea
Alumroot

Lye tree
Pines
Husia
Dogwood

Moses in kettle
Camel
Pinecones
Sedum
Corn

California oak, red oak
Impatiens
Alumroot, not much
Rasberries
Creeper, wild grape

Lazyston half mints
Utah red
Sawbluesfront

Aquaticum cap "en"
Pikes plains
Phil Tang
Lepthyrea moss

Alumroot, Panamint
Large Pikes plains
Impatiens
Adams
East of Silvania Sp.  
Greenbilly  Benton  Sp.

July 13
Fayetteville - Cass

Near Fayetteville in valley. Some pr. of
Faison now white pine.

Large punk gun, at the end.

Miss. brick (m. m.).

Pecan on.

Nut on. Walnut.
Slopes above red
is clearing, much
רת. Pipe, Pheas.

General slope:
\[ \text{mullein, } \text{hickory, } \text{maple} \]
our guest goes happy
much Phen. car,
draft buckeye

Aspect aims to try or about
to be.

Some small red maple on
stiles coming down toward
Cass.

Cass

Remain that he aim

Slopes facing nearly N.
breath fairly large near f. I s. steps & up into bush oaks where it meets the woods, not ferns or grass.

Under much Carex leath.

in water.

Groshebrahma l. M. Bene.

leath. III III III III III III III

red sofa III III III III III

under. III III III

Dr. bush v. I.

upmen.

Azalia near.

bleechgel-H. vernus.

M. Bene. III.

Polypod.

Polimpina.

Polypodium.
Coming down hill toward Pinca, Newton.

Sandstone cliffs - above cliffs
be., vel, re, var, birch
small red maple, hick.

Birch, s. a.
big S. maple
red vel
Hickory

Pin. P. maple, State
under - dogwood, kid
red maple, birch, butternut
black red kid

Beech, elm
red vel
syc. hick.
s. maple
Curriculum - many large
hick.

Comes down on the flat, Milton. 

Sawmill
sawmill
Wabash

Hickory

Elm, hick. oak

Furrow off
Wheat
beech
s. maple
oak
sycamore
red maple
red oak
maple

Aspects of slope forest, which is easternly, is hibernous.

Many spring emanations from slopes as we tented almost daily, indicating an abundant water supply on the slope occupied by the mead forest. This is a very deep valley cutting into very high plateaus, whose margin, overlooking a large bank to east, almost out as a high promontory. Apparently, walling across ship I found, with a series of rills, tap, and abundant water supply.

Cone outcrop of Buffalo Rock that almost 4 miles from the locum, N.E. of the head east + S.E.
These mesophytes from areas (Cass, Pocah) appear to be relics which have been able to persist because of moisture conditions supplied by sound pine forest.

They are relics, not post-ecological, except in sense of being more mesic. They are climax of an earlier climax displaced perhaps as late as post-Pleistocene (farther west or post-carboniferous aspect is Appalachian)

JULY 15

Camp Hedger

White oak

White oak

Life oak

Juniper

Cypress

Yew

Chesnut

No much cliff-life

Northerly 4 N.W. wind
This is really a fine piece of lore, many layered: big tree, mostly red oak, good leaf litter.

Crescend, trees & hedges in ravine which red, cross stream bridge.

Notes: en route, Marshal to Hedge:

- Jack Russell, upper slopes
- Oaks - 2 - maples, dig, b. 12
- N. - 9, plates.

chestnut, pine are large trees, occasional hickory.

- Chena
- Pt. 14 at Big Creek -

sleep-summer from platform over lip, pitch - a huge bushy, on more than 100

- Maple, seem on slope, light calling, wh. wh.

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fellows cast of creek, also - Ulmus alata, waldun, hickory, oak, red oak, elm, chestnut, beech, maple, silver maple, tulip, elm, sycamore.  Lot of dogwood on the flats, east in particular open places.

Enter part 1 Dyar's road Forest east of Big Flat.

Summit forest 7 state'sht. trees 7 any place we have been in the Dyar's new entrance to N. T. - a more or less cont. undergrowth of dogwood, sum. fell 7 declined part of wh. el. oak 7 pine, chestnut 7 maple, 7 all are big trees. The chestnut 7 maple 7 much longer than in McCurdy also 2 digitata 7 oak, hickory 7 pine chestnut 7 pine huge. Dogwood.

The entire forest has good aspect - blues his path past have a heavier sample.
Harrison to Marshall:

Crossing main and the immediate track, great
hemispheric clumps of spruce are scattered. Cedar, Cedars more
closely placed at upper edge. On wind, spruce prevailing.

Marshall to Conway:

Come down onto Some valley-like area for
a mile with fern
covering.
Then up and enter the
pine-oak area (see colored map) on which
yellow pine a prominent
const. of forest. abs.
area with stands.

General:
The ascertainment of
Harrison's original lawn area to east. Other
notables nearby along the
s. e. cliff (near
stop) such marked
ends. The eastern section of gradual
forest also above
height of footgrades along
the lower elevated east of the
ascertainment.
July 15.

Conway to Little Rock.

Pine-oak on hills.
Flat oak in dig. Will melon oaks.
Many firs, cedars, alders.

East from P. Rock.
Ark. P. valley.
Cypress, bayou prekane 4, 5, 6.

Hammers along cypress.

Winged elm.

Jalitli (spm).

D. schmucker to by?

Ang'ly V. Bicknery.

In spring.

Cypress.
Gled. ag.
Sr. grum.
Water oak.

Spermacce.
Black. S. man.

Open bayou #9.

Crabtree, gah.

Nature buttered.

Lotus.

#9. Lotus facymand (tel.)

Cypress bayou.
Prairie e. of Carlisle
Sedum caespitum
Rudbeckia Pulmonaria
Spiraea alirhiziformis
Liatris spicata
Euphorbia Gunnera
Atamasco roseus
Ruellia Albiflora
Sorbus stachyophora
Phlox Diva
Baptisia
Cassia Didyma
Helenium apiculatum

Garden

Purshianum
Lentis pear.
Cochr. y.
Hem. phytolepis
Winter Ons
Lyco

#10 X
#11 prairie flowers
Red.
Sed. + Liat.

#15 Prairie or 25
Sed. l. ac. laticapsa
† pearsoni - Rud. - Bg.
Eryngium
More Prairie bet. Brandy & Const. at Brinkley Lobby Red begins to fill m. 20th

Crowley Ridge at 7.30

Texas Alesopridge

Acumber
Ref. Oak & c. e.
W. 100

Nogas

Black

Log work

D. Conington - Locore rounds m. much better.
Richever oak

Handmade cotton E
d. 60. mile U.S. 6

Rich -

C. 60. c. c.

Hackberry

Leg. Cedared

Fire oak

S. gum

Wellfor oak

Papaw Apple
myself, if I try
and keep from the
Red & back to Kan.
Let them see Pance
again