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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.

HERALD SQUARE

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STANDARD



QUALITY

MEMORANDUM
BOOK

No. F-211

31

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

31

Cedar 3239 W

April 18 - around

Lake Ponchartraine

On US 90 & 11

Water oak forest
with
red maple
— ash

Celtis laevis

Ulmus —

Sycamore

+ Palmetto layer

+ huge Secor oak

+ 1/2 a cut leaf beech

+ 1/2 a creeper

+ masses of Sillanders

Baccharis (2)
+ Salix nigra in
ditches (pioneer in
flats succ) secondary

Bald cypress type
" " dominant
where wetter

Oak forest type is
locally more mixed

Bayberry = myricifer
in marsh
+ adj to oak + mixed
forest

In it are small trees,
sweet gum, water oak

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persimmon (2) + lots of
palmetto herb. & bushes
& v. bilacae vine overrunning
some of them

On 90, after crossing
Chef Maitre bridge,
great areas of marsh
& water w. occ. "oak
islands" (see picture)

Cattail + pines →
marsh grasses

Pine (—) +
sw. gum
live oak bayberry
on right

pure pine stand
on left
now about 1 ft above
water level - soil is sand
(This is in picture 3)

pure pine with no undergrowth
+ " " w. small
hardwoods - sugar gum, oak
w. pine w. occ. oak +
sugar gum

Patches of ^{scrubby} D. maritima in
meadows where pine
beginning to reappear

From Seidell on,
on rd off to left to

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US 11) - all pine land
every age of today
+ much myrica, other trees

Suddenly - dipping -
a slightly lower
place - soil black
instead of pale

Instead of pine -
magnolia
" glauca
sugar gum
pine - sp?

all mosses + ferns
+ w. undergrowth of -

Shrubs + small trees
- ~~off~~ ~~part~~ ~~Calliandra~~
Jen?

red myrtle
viti rot
bayberry wax myrtle
water oak
Cephalanthus

brodiaea
mitchella
Polyp. epiphyte

Zephyranthes

Rhus tor

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Smilax ~~flavescens~~ ~~Sp. pleridifera~~
Eric. ~~brach.~~ ^{racemosa =} ~~Pieris (Lyonia) mariana~~
Lyonia → ~~afel. dissecta =~~ ~~Lyonia laevigata (Sw.)~~

Each slightly lower
place like above
Take 190 to left.

Bayou cane
A bayou, about
15' ⁺ ft lower than
sandy pine plain
at lake level

Here are pines, (on slope)
magn. grass
six feet
One! much
Q. dig
Carya sp - 7 ft +
rather narrow

burkeye bushes

Calyc ^{cuttings} ~~cuttings~~

2nd layer.

Magnum	###	###	###	###	###	###
Q. mich	###	###	###	###	###	###
Q. dig	###					1
Carya	1	(varm)				1
Pinus	###	###				###
Liquid	###	###				###
beech	###					1
Q alba	1					
mulberry	1					###
Platanus	(?)					###
Q. agrifolia	1					1
Cornus florida						1
Carya sp						1
Liriodendron	1					
Q. dig. is in trunk						

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burkeye
 cut leaf
 viles ro.
 Smilax
 Calycas
 ternate
 Stryax
 pine-
 Carp
 ser gu
 viles als
 Cross
 Persim
 ba creep
 Panum
 Persea
 Ulmus
 Slex spaco
 Nysa (?)

[Faint handwritten notes and symbols, including a vertical line of symbols on the right side of the page.]

Baylor Cave, Fortainebleau State Park

Magnolia grandiflora	26	5
Quercus prinus	14	5
Pinus taeda	10	20
Fraxinus	8	7
Q. rubra haystackifolia	5	1
Q. alba	5	1
Q. nigra	2	2
Carya 141 mason	2	1
Monarda rubra	1	4
Q. virginiana	1	
Nemora alba	1	
Stylis spaca	1	
Carya sp. (141 mason)		
Persea		
Nyssa		
Carpinus		
Cornus florida		

buckeye
 Calyc^{cut}
 Magn^{cut}
 Q. mich
 Q. dig
 Carya 1
 Pinus
 Liquid
 beech
 Q alba 1
 mulberry
 Pteris
 Q nigra
 Cornus fl
 Carya sp
 Persea

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buckeye - red
 cut leaf rot Eleph.
 white rot Mithella
 Smular rot Alson
 Calyc arpus
 terminate ulaccia
 Stylis ? prot or Halesia
 pine - laeda
 Carp
 sor gu
 bites alst
 Cross line
 Poisoning
 in creep
 Panum aff
 Persea
 Ulmus (w) 1
 Stylis spaca 1
 Nyssa (?) 1

Barton Cave, Fontainebleau State Park

bract				
Calyx				
Magn				
Q. muhlenbergii				
Q. diegii				
Carya				
Pinus				
Liquidambar				
Q. rubra				
Q. muhlenbergii				
Q. alba				
mulberry				
Platanus				
Q. muhlenbergii				
Cornus				
Carya				
live oak				
Q. diegii				

Magnolia grandiflora	26
Quercus prinus	17
Pinus taeda	10
Liquidambar	8
Q. rubra	6
Q. muhlenbergii	7
Q. alba	20
mulberry	5
Platanus	5
Q. muhlenbergii	5
Cornus	5
Carya	1
live oak	1
Q. diegii	1

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buckeye - red
 cut leaf crab Eleph.
 white rot Mitchellia
 Smilax rot Alisma
 Calycarpus
 ternate ulmaceae
 Strydom? prot. or Halocnem
 pine - cedar
 Carp
 sorghum
 white oak
 Cross vine
 Poison ivy
 ba creeper
 Panicum aff
 Persea
 Ulmus (w) 1
 Ilex opaca 1
 Nyssa (?) 1

The above in + adj. to
Fontainebleau State
Park + partly in it
area of coast

relief about 1827 ^{on cypress}
(elev. 19 ft)

In the park - the ^{old}
large live oaks are 150 yrs

In park -

Large live oaks fringe
the pine woods
(loblolly)

In high water (S.W. storms)
water may enter

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Trees -

loblolly pine
live oak
water oak
saw gum

+ under, lots of little
pines

Solid. grass

Smilax pseudo-china

Yucca

P. w. y.

Sabal palmetto

Gelsemium - tobrat p

Bur oak

(p. w. y. - live oaks + pine)

Baccharis along

ditches

(p. w. y. - Palmettos in "

2ndary pine - about
20 yrs * less - 9 in - 5 in
slr growth here
because too wet
off top - piece in
bunch ^{alternanthera} like the one
~~suppl. in~~
Hydrocotyl
& Cacha-like tree

Pine cont -
Dysoxys (?)
or Anolis (?)

Juniper
Carex
Panicum

~~Celestium~~
~~sp. to Mich. J. J. J.~~
Berchemia

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Malus - cr.

Along 51, coming
back to N.O. miles
of cypress swamp

April 19 4485

floodplain - outside levee
black willow →
hackberry-pecan →
poplar-pecan

On the landward
slope (which goes down
away from river
line oak → ~~hack~~ ⁽²⁾ elm →
cypress swamp

(2) - mixed - water oak,
sycamo, ash (green & purple)
maple, sor gum
(rubus discolor)
getting wetter → cypress
increases

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berberis bonariensis

Ampelopsis arborea

Old secondary

water oak

live oak

| sor. gum

Celtis laevis

Ulmus americana

I would call this a wet
forest but Penford
says "this is not wet"

This has

Dryopteris normalis

Polygonum virginicum

Berchemia
 Parry
 Passiflora lutea
 Oplismenus sp
 Anacardium drac
 Palmetto (min) *
 Crataegus sp
 Samolus can
 Ampelopsis
 Ilex vomitoria *
 Cornus aspera *
 * usual, but poorly
 dev. p
 Ilex spp - vulpin
 aest. ?

This an extension type

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prot more live oak
 in prairie

Live oak more common
 toward coast -
 & down tree in the
 bayou areas

Live oak sw. gum
Water oak
Palmetto-Sabal min
 Ilex decid
 Persea (gibbosa)
 Cornus aspera

This extends as a
 narrow strip bet bayou
 & marsh

April 21.

New Orleans - Baton Rouge

Cypress swamp or
cypress-tupelo

Oak (mostly water oak)
& various species ash

occ. per gum, etc
Prairie terrace.

Hardwood forest.

Q. shumardii, *Q. prinus*,
Q. nigra, *Liquidambar*, *Magn.*
grandis, *blech* - -

cypress-tupelo or tupelo
swamp at P.S.U. campus

(Young eastward on
prairie terrace away
from mass, soil becomes

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less fertile, & pines increase

Saw only 2 pines on way
to B.R.]

A depression

hr. water

dom - *Nyssa biflora*

(*picata*)

Lernaeum *min*

Saccharum

a sw. gum on slightly

higher ground

Mitchella in *man*

holly " "

Ilex vom

Berberis

T willow oak
Ulmus glabra
Vitis rot

Calluna
a Glehnia

→ drier - prairie
oaks -

(on highway 61
15 mi. n. of B.R.

general level -

oaks - Q. pagoda
Q. nigra, phellos +
sev. gums.

grows into a prairie

Sida

Hemlock

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Symphoricarpos

Halesia dufrenoyi

Ceanothus

Sambucus

Rhus typhina

Infusoria pallida

Euphorbia

Erigeron annuus

Artemisia sp.

Prunella carolinensis

Arsenicum pentaphyllum

11

Arceuthobium

Rhamnus carolinensis

Laportea

Artemisia

Gelsemium
Sassafras

Where much magn -
not much underage
because of leaf letter
but good gray-bron
red

Passifl. lutea
Elephantopus
Akeak

Back to pond -
On ravine bank
Acer sacch. var

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beech IIII IIII

magn II

arizua IIII

Q prinus II

Q nigra I

Pr. serot I

Papaw

magn grand I

Fudy Amer I

Across Thompson's Cr.
pines on eroding slopes
Otherminae, this is
hardwood land

Rice to P. ...
" " ...
The varieties of B-Mog
are cut in many ...
In crossing Thompson
creek, ascent both
of them.

Lumina/Hills

Hills

big spruce
Tilia Ulmus (big)
Cornus Florida
Carpinus Spargan
Beech (big) ^{argentea}
Tilia (big) Magn (big)
Carya (big)

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Viburnum latteri ulmifolium
Hesperis Arceuthobium
Aronia
Polystichum
Halep
Rhus ta
Passiflora tub
Berchemia
Hydrangea quercif
Tilia
Q. prinus
Acer spuch var
Magn grand
Arceuthobium large
Ostrya - deep in prairie
Hicoria dentata
Phlegopteris heyl

Evonymus amer
Hydrangea al
Decumbria (an early
vine of Hydrangea)

Dioscorea
Cystop. frag. prot
Tulipifera
Actaea alba
Ranunculus recurv
Desm. paucif
Mikania
Arist. serpular
Menophila microcaly
Asimina

Laportea

Asculus parva

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Benzoin

Frag amer

Epifagus

Sambucus can

Urtica chamaed

Oplismenus peten
(grass like plant)

Clematis vira

Polygon vira

Vitis sp

Salvia lyrata (not used
in sub woods)

Callicocarpus

Apr 22
N. NE out of B.R. on
36 to Clinton -

Haydenwood types -
oaks, spr. gum etc
Be. etc.
(17 mi. N. W.)

A nice - part downy etc.
some pines - part
a little more sandy

But here pines mostly
sandy & this has big,
hardwood

Some areas of young pine
with all 2 pines
D. resinosa, *D. parviflora*
& spr. gum

Cross a stream
Magn, spr gum, ash
W. elm

(pin oak used for mill
bark, laurel oak, water
oak & oblong oak)

Willow oak (+ *juncea*) often
where wetter

A slightly diff area -
slight slope -

lobl. pine & *jalapa*
& pines & *bellota*

W. tree. arborea
Malus arg
low, stem

Crot apifolia
and v. arg

Panicum ppt

Holcus minus

Trif carol

Solidago sp

Rhus cop

Pteris

Gelsemium

Ascyrum hyp

Berchemia

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Trachelospermum

There - Berchemia

(26 1/2 m. long)

color in cuts red - deep

yellow

Rolling (gentle) land

a spruce pine (P. glabra)

short needles & small

cones (resembles very

close to a (dwarf) pine)

stream

Another pine - *D. foliata*

Clinton, jct 35

east on 35.

~~22 m n 70~~
classified as mixed
pine - hardwood

Pine trees to be more
abundant on hillsides
in valleys,
very rocky, + red
soil

a pine knot -

Probably pine & oak
large surge + oak
Dry bottom, cutting
layer on edge, pine
scattered within

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Grasses & Dulichos
(fr. aspect of Dean,
not.) near edge

Soil pale below
1/2 inch of dark, under
the pine

Other plants in forest
Dulichos

Gelseum
Cynphos
Vitis m

little surge
Crab. apple
Dex. of oak
Mitchella rep

Myrica carex
 bac. sp (various)
 Lespedeza aff
 Q. macrocarpa
 Q. falcata ^{genae}
 red maple - var. bicolor
 (var. bicolor & falcata)
 Q. alba
 Carya tomentosa
 Bryonia crebra
 Callicarpa Aust. Serp
 Eleph. com Cassin's nest
 persimmon
 Corp ^{beats wall}

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Aspect similar to
 a pine woods in
 Cumberland Plateau
 in which there is
 decid. repr.
 At break of slope
 a large beech
 & then mostly
 hardwood down slope
 incl Ostrya
 Q. nigra
 & shrubs scattered
 Trillium perfol
 beech roller

a large bush (growing
Jussiaea regia small
Cnicus
Galium (4 leaf lobes in)
Asium
Garpinus
Hamamelis
Tilia
Acer penn
Halesio
Polygonum bifl
Phlox div
Cercis can
Oslyza dig
Inellia (inter)
Cocculus

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Logwood
Potophyllis
Rhus tox
Gen. appear - a
poor decid vntey
Obolone
Mallica nutsee
Eleph tom
Sun can

High bush on
Bentley terrace
deep ground
1st blackyach oak

Down to Assite Run
bottoms -
swamps w. spruce
pine, a few cypress
& hardwoods -

Shrubs - Itea

Royal fern

Rumex crispus
saxifraga
a magnolia grand
Lobelia per
beech

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These not all dried
Well-drained bottom

Sebestena liquid

(Euph)

Halen

Beech slightly higher
than I re-grafted
Acer platanoides

Juniperus aquatica

at water edge ^{fur} of

black pool

lupul - cypress pool

saxifraga saxifraga

Sp. pine (Sylva)
Carpinus 2 Myrs
Ilex decid
Myrs. ramalis
V. lupinus

The beech & Myrs
(slightly higher)
in
"second brook"
also, spruce pine,
Myrs. sylv
Carp
Azalea, pink
Canescens (w. Myrs)
if you see "

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More of B-My &
some trees
Then up to pine
again
Rolling upland -
pin oak
Loblolly & occ. l.f. -
formerly more l.f.
Lot of 2 mixed thickets

Greensburg
out on 37, then 333

pine land alt. w.
lower hardwood.
nearly every stream

bank, of
has its B + My
Longleaf pine land
(small trees) but type
open & grassy aff

to Pine Grove
& turn right (west) SW
Lots of l. l. pine +
D. maril.

Gross layer - Panic
Paspalum, Aristida
Andr.

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Drop down off of rocky
terrace

B + My, wherever suitable
(we are near a water R)
& there are small stems

Lenham Springs

Toward Millerville
lots of B + My
w. D. peruv
our gum
D. shumard
D. nigra
Carya
D. fragilis

B. W. uplands + terrace
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forest ridge name
sh

L. l. pine

L. l. slash pine - flat cfs

slash pine - pond cypress

Swamp black gum

Pine hardwoods - moist sites
in uplands & better drainage
bottomlands

Scrubby - follow cutting
of fl in dry site

Bottomlands - land side of
levee

Emerald oak
O-H - 2 pc, 2 all day loamy red
H cord + fls

Redland hardwoods - per gum, 2 pc

Flatland "

Overcup oak - bitterfern

cypress gum
willow
oak - elm bark

river side of levee

hackberry
cottonwood
willow

Coastal ridges

Live oak
wax myrtle
marsh alder, woofruit
grass sedge

Salt marsh

Beech woods - Carr's Creek

Big trees

Fagus grand
Hic. alba
Ilex opaca
Juniper

Magnolia
Nyssa syl
Pinus taeda
Prunus vera

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Laurocerasus car.

Liquid.
Liriod

I. alba
" nigra
" pagoda
" prinus
" rubra
Ulmus am

Small trees -

Acer sp
Aesc. pinn
Acer min
Aralia spin
Cory. car.
Crataegif
Cornus flor

Frax sp.
Halesia depter
Ilex decid
" vomit
Morus rubra
Ostrya
Opogond.
Liriod sp
Ulmus elto
Xanth. Alva here