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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

30

April 17 } 1946
April 24 }
30 }

April 17. Hartselle, Ala.
to New Orleans

April 24. New Orleans to -

April 17

Hartselle, Ala.

Flat-red soil - mostly
& wet deep - sw. gum +
oaks & hick
or slightly hilly -

then very ragged -

outcrops of masses of
oaks, pine, + + hick
beech, tulip + + basswood
Magn. mans

dry slope, pine-oak &

Azalea, Mt. Laurel

Chimonanthus ^{prob. mixed}
some white, some pink

Aspect of the slopes
(not rock over hills)

is that of a plateau, w.
few sp. oaks, hick
tulips, of pine, + +

+ Cozula + not laurel
But when more rugged
the mixture + lux.
allies this with + thickness

Some more of pine
areas (holly?)
but decid. trees not
only dom. but often no
pine dogwood
Lots of sweet gum

Oullman

becomes less hilly
again, just rolling
& consid. good farm.
Also much pine either
ingrows or w.c. decid
Soil reddish to yellow

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Lots of *Chorizanthes* in
upper pine - oak

Near Warren R. (- fork)
very hilly again -
oaks, tulip, pine ^{moss}
(no beech seen)
(no magn. mans.)

A massive l.s. -
rock showing on surface
oaks, cedar, - -
(looks like hill above
& miss. flat)

Steep slope - much beech
+ in woods on both slopes

Cross another river
It's gorge or valley slopes
have more forest

cover, no pine
& another stream -
rock outcrop - much
pine (mudary)
Azaleas very white
steeply rolling -
much pine

Birmingham

Appearance is
somewhat different,
altho decid. - pine mix
about the same.

perhaps due to large amount
of *D. dig.* & presence of
D. stellata & *D. mord.*

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A few beech low on
a stream bank

D. nigra & *D. phellosakus*
Tulip very abund, v. v.
oaks & pine & hick:

(a r. cut - *Hydrangea*
quercifolia; crowsine in
bloom)

Many *Crataegus* ^{about (small trees)} _{seen at Nashville}

Int. Laurel at intervals
in the pine-od

Chrysopsis graminis

Coryopsis aceris

Phlox - ?

Rocks tilted

Valleys are jungles, v.
rivers

Near streams, *D. nigra*,
sw. gum, *Bet. nigra*,
R. phellos, *syc.* & some
Orange! *Thistles* on ^{red}
r. r. embankment ^{+ in fields}

Hibiscus incl. *D. wata*
I think *Ulmus alba*
in woods w. *v. v. v.*
(red buckeye bush
at intervals, with
near *Hatatselle*, then
1 hr. s. of arrival time
at *Birm.*)

White h. s. valley
(rounded knolls protrude
in fields). Cedar
w. & devil trees
Silvica

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3.
a swamp w. *proliferant*
base.

Shrub (small tree) with many
little white flowers & branches
arched down is abund. in
woods (is it *Haskulle* one?)

(marshy *Institute*) (This shrub
not so bulky & again appearance change ^{by 24})

Pecan grove
Cherry berry trees? w. purple
flowers

Lephyranthes?
Then, at 9 a.m. -

Magn. glauca abund
in low wet woods
(or are they - they look
too big & lvs a little big)

They are in tulip, sargen,
Q. nigra, Q. phellos,
Carya - -

Beech abund. in the
flat where trees larger -
w. v. Q. nigra, phellos + other
tulip & magnolia
Large mt. laurels in
undergrowth (9:20)

Verbeena 9:22 town

Mountain Creek 9:27

a little more hilly but
aspect same

Hartmannia (pink & white)
abund all over
Low places ^(2 magnolia) look more
tangled than normal
because of abund of

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Japanese honeycuckle
Magn. macro (C)

Lots of gravel about 2 ft
down (esp in cuts &
gullies)
Magn. glauca are trees

↑
beech found edge of tract
& in where it has pine
with it

Some pine in tract but
mostly in interior
areas; also Q. drift + galls
Tulip + Magn. glauca generally
most abund in low
thicket

Watersville (9:42)
getting flatter
but a line of hills
(crest?) to right
(nose)

great areas of wet
magn-tulip & oak-pine
flats. *Osmunda cinn-*
where open

A river w. gravelly flats
Watersville jet

bald cypress in a
pond
Soil mostly grayish
A muddy river.

PR

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Lots of gravel (under soil)
it is deep commercially
10:02

Montgomery

Orange & red thistles,
Hartmannia & *De. lac.* (?)
abund. Also a del. blue
flower - small, on slender
stems (*Linaria can.*?)

Flowers - - Western on
fence & shrubs.

Trad. reflexa
Senecio (like W. Ky) in all
wet places (has been
all along)

red bruceeye dropper
out some time back

grass matref with
 Hartmannia more
 abund. than ever - year
 masses of it
 Phlox + + +
 verbenac. colored (or blue)
 with branches of
 S. of many, almost entirely
 decid. very gently rolling
 elm, oak, buck
 occ. pine
 + I don't see magn. in
 wet flats -
 winged elm, (water elm)
 spr gum, beech, cypress
 Fla. moss

11:00

a more rolling belt

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oaks + w. elm.
dec. groves of round top
 pine but down, decid

This is certainly decid,
 forest

Only Fla. moss +
 abund of w. elm makes
 it diff from w. Ky. (or
 of Creek B)

Red breckeye again

Oak + hick grove on
 rises - 2 dig, alba?
 magn

all w. Fla moss
 Beech w. ^{cher} spr gum
 elm + magn. + ^{Raphella}

the flats

A sand hills belt (11:13)
with over consolidated
ledges.

more pine, but much
decid - oak, elm,
hick (C. laev.?)

I believe some is long leaf

+ then hills which are
not sand, but straw
& undrained clay?

Some red soil over
don't see + Fla moss
red all the way down
Evidently a "red hills"
belt

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Tulip trunk almost
as pale as hick

Tulip, elm, oak, red
maple, magnolia
firs, C. laev.

best cleavage of red clay,
then suddenly, some
gray clays, but red again
Greenville 11:33

11:40 a big flat
or some large trees
seems to have magnolia
grand or glauca,
pine, oak, sugar
etc

Seems to be more pine
& a quercus, there isn't
much laurel in low
woods

magn. gl. & grand
pine, 2 regn. shells
leaves, no laurel

11:45 Chapman

Longleaf & loblolly pine
beech on flats & cypress
w. magn. & oaks etc
pines down on some
of low hills & elsewhere
D. dig. marit. -- on
small hills

Georgia lv, 11:53

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The abundance of magn. grand
should put this on a
SE but certainly pine
is not from us on a
art. C.P.; also a little
leaved oak

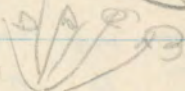
Garland 12:00

A hill (50 ft +)

mostly beech & magn. grand
These also in a less wet
part of a bottom, but
there not down but mixed
w. other trees.

Only a few ft above pond
cypress

More pine upland (12:10)

12:30 - a (complete)
 change of aspect
 much pine (b.l.) &
 grass, & flowers
 & ferns (woodwardia)
 Melastoma,
 blue lupine
 white Baptisia
 pitcher plant w. white
 lvs & red flowers
 + + + + various comp.
 & Pine - Magn. glauc.
 fests w. " " as
 big as the pine + w.
 bark like a beech
 Blue flowers 

12:50 Brenton

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a little less of the
 pine flats & flowers,
 but pine - magna cont.

Pine with a low shrub
 layer

The red flowers of
 pitcher plant are on
 the scaly part.
 then purple red side
 The pine - magna has
 some other trees - as
 Q. nigra +
 & occ. big mt. laurel,
 10ft. white azalea &
 other white (bunch) flower
 bushes

with pine + paul
cypress (small) +
low Q. maud
Big Q. deg. near
houses

1:06 - a dip (in cut)
w. layers of gravel
otherwise fine + w. vert.
cleavage, + pale w
mottled or red
Flomaton 1:10

a legume vine w. flower
more purple (darker) than
Uratan (another sp?)

Sand d. d.

senators tree

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pine + shrubs
Sephrosia virg
Longleaf pine + oak on
hills (Q. maud +
+ grass + flowers red
+ red patches flower
+ low shrubs (Compton?)

hulip + pine on slope
to Magna-pine + on
low plain

Cyrella

Viburnum or. entire lvs?

Blue lupines

+ " ? (look almost blue
+ white like Collins)
but habit of flax

Lots of l. l. pine

~~pine~~

small lrd
oaks

Patches of 2 dig. phellus
carya + — bl oak (?)

Soil not red etc.

in places

more farm land
flat

Almore 1:30

y. pitch pine

Large of pine pastured

w. flora listed on
previous page outside

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pine (along rr)

Some hills, oak. may
have once been pine,
are scrubby oaks (Q.
maril, phellus) &
a few small l. l. pine

Magn-pine-decid.
low flats w. lot of
shrubbery + Smilax

Lawyer; bayberry
& juncos + swamps

Ornithem.

Cyrella

Little cypress in some
pools

Cypress (small) + smaller

heavy pine & oak
forest
red buckeye w/ l. pine

Bay Minette 2:10-15

2:20 - hilly, w. undulating
thin layers
Some red hills, some gray
l. pine & oak & buck

Magn. gl. or *Persea* w/
blown in rock; also
mt laurel

Some l. l. pine & small
oaks; " " " " & 2 more

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some oak hills w. very little
pine - pine prob cut over

Magn. grand, beech &
oaks on slopes (low)

Pop. hetero. in swamp
also Cypress (bald)

oaks, ash, + + +
arm of bay
Cypress, - - -
Buckeye ?

Instarcin tall blue iris
Sabal

15 ft. grass
Smilax

A tangled lux jungle

Swampy woods
full of Sabal
& Cyrtilla + Western
Itea

Water oaks, cypress
Tillandsia, Magnolia
(+ Persea) Osmanthus
Populus heterophylla
Zaylana (etc), big
white flowers on tall stem
(lvs. resemble pickerel weed)
Arms of Gulf, i.e.
Mobile Bay

Mobile

West of Mobile, more

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l. l. pure flat to w. y. purple
plants, + red p. f.
Wet swampy flats
in great bits

← swag ↑ more open + red ↑ more pure

4:00 P.M.

Large oaks in + no
town

masses of royal purple
Verbena 2b + Phlox
+ y. flowers

Red or cuts

pine flat + pecan grove
pine savanna,
grassland +
large pond cypress
depression w. grass +
sedge big pink flowers
on tall stems
y. patch plant
Flat - only a few ft
diff in level bet. cypress
+ pine

Pascagoula 4:17

1st large live oak
Oleander in bloom
last stretches of marsh
land + water

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Pinus far to north

pine flat again
Almost all pines is
far as eye can see
etc. in some depr. wh
are hardwoods - sugar
oaks etc
Tulip a const. of - pers. p.

Ocean Springs 4:40

has a 2 deg - phellora -
ngra flat
+ huge live oaks, moss
covered
looks like old time

Cross water
a dense ~~ornamental~~ topped
pine stems that looks
diff; grass under

Belope

Belope & ^{myro} leafy-pine
sprung

|| Pine in sprung

West of Bay St Louis
Arms of marshland
bet pine peninsula

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Many pine areas bordered
by moss-draped vales

Occ. groups of old vales
on islands in the marsh
wh. do not seem to be
over 1 ft above marsh

A golden Baptisia on
one of the ponds (not true,
spikes taller)

April 24

Eastward out of New Orleans

Cypress swamp

Cypress - Tupelo

Secondary shrub

Willow (Sedum) along
ditches, etc.

Cypress, trans. to marsh -

" far apart, + stands
of *Typhosopus*

Marsh land -

Juncus (*validus* or
californicus)

Cattail

Alternanthera in part
(*allegatorica*)

+ others

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A very tall wide-leaved,
leafy stem grass -
mostly along river +
top of ditch banks + *Cyperus*
other grasses +
invasion by *Myrica*

10:05 The tree islands
in the marsh (gulf
side of river) occupy the
river coastal ridge
1 or 2 ft above marsh
These are pine (prob. *P.*
carolinensis) + live oak.
Golden Bupton in
most open + dry grass
but not in marsh
These islands in

somewhat broken &
11 bands

go thru small
part of one of these pine
islands - no underg.

White water lily pools.
A creamy Babesia w.
& yellow

Some mostly pine
some mostly oak.

One of the highest w.
(also) D. digit. (w. var.?)

High area & pines (2-3 of)
Carya aff., perennan
sw. gum, Phlox pilosa,
Rudbeckia sp., wh. Bapt.
lino oak

with low spots of

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nyssa, water oak

(this at & just w. of ~~the~~
Waveland) Miss

Y. pitcher plants,
Royal ferns

Some of this is long leaf
spots of D. maril.

Bay St. Louis

Large oaks (very large) with
their sp. moss, moss
& Polypodium

(Bark of the pines wh are
not s. l. is yellow,
something like echinata)

Some of the biggest pines are
this year.

Pass Christian

A Magnolia & live oak
area going into lobl.
& D. digit.

very flowery

Long Beach

Gulfport

part from just west of
Warland to Long Beach
is very interesting & pretty

Hardwood area with
pines have Mg. glauca,
a low legume (prostrate
small patches) w. pink
flowers in balls like
Counella w pines

small live oaks,

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Ariaticum spec

D. digit, Magn. gr. with
pines, ^{& live oaks} on some of higher places

Biloxi

cross water

Ocean Springs

Longleaf & loblolly

Longleaf - open

Some pd. meril. w. & pines

Pine flats w. Mg. glauca
heads, grass, palmetto

Narrow strips of swamp
hardwoods along stream

w. Magn. glauca +

Beh. Picea gouldii +

mobile - pine flats, wet
& very flowery, and

pine hills (low, rolling)
w. red soil as cuts,
& not so flowery

Some of the pink flowers
look like *Populus* dis.
Spikes of white plume
The hardwood swamps
have lots of magnolia
& a viburnum (?) of
entire leaf type w. very
large flower clusters.

Swamp woods ne. of
Mobile
red maple, Nyssa
Pop. hetero,
Persia, Itea, - - -

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Royal fern, lies
out to marsh along water-
way (river?)

Some cypress	Saururus
Laurel oak (?)	Wisteria
Cephalanthus	Arenaria
Overcup oak (?)	Tupelo
Ampelopsis	Cypress
Smilax	Heart-leaf Clematis
Palmetto	Ash
Cornus sp. -?	Ampelopsis
Sour gum	Myrica (?)
Tecoma	

Locally, a cypress - Tupelo
or Tupelo or cypress swamp
much standing water
everywhere, but most
in - Tupelo & cypress
Rivers are muddy &

appear to be very high
Hurricane

Then some low hills
~~of~~ & y. to red soil
over a gravel horizon
I dig, pine for gum
I mine, I. phum
dogwood, b. t. oak?
longleaf & loblolly
large-leaf oak bush
(lvs. sim. to maid)

Indurated layers
very red cuts
Pine hills (longleaf)
A large-flowered but low
bushy comp. resembling
Heliosais

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Aesculus, red; persimmon
Grasses

Water oak in prairies

Swamps - tulip, Magn. glauca
Water oak, sugar
Bay Minette

Pine Hills cont, with
young longleaf & I. maid
& inter, hard wood pine
& grass flats w. white-
leaf, red flowered plant

Lots of Magn. glauca
in swamps

Soil not so red.

The swamp not so wet

Recognize long leaf
fern by branch habit -

Perdaypres
w. pine
not so hilly

but decidedly peaking
Sobleley - magn gl. comm.

Myas

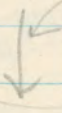
more bay swamps
ferns (H. normalis =)
Ilex, Cornus, surge leaf
shrubs

white - w. red spots -
red mid vein
pinkish red flowers
(these sometimes on
slopes, esp. where peeped)

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Pine hills - Lespedeza sp
bacc. sp, Myrica low
pinkish Ascl. or narrow lvs
Verbena can.

Nyssa sp, Sycamore,
Rhamnus car. ++



Pitcher plant sp

surge - red maple - oak
(water +) - magn gl.

dry - cont.

Ascl. () on edge & bluish
vac. arborum, Pteris
of thicket

Nokomis

pine much less abund.
some hills mostly oak
(dig. -) some are pine
longleaf
a dull bluish leaf pine (?)
pine for - y. pitcher plants
U.S. 31

Atmore

Flat.

mostly hardwoods -
oaks (dig. + small)
pine groves (ll) on
swells + small-hed oak
blms

Flat farm land + flat pine
land + black hardwood

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Low (very) pine hills +
pine oak w. dogwood

pale blue-flax?
white pitcher plants still.

Consid. slope -
loblolly pine - hardwood

w. Magn. grand, tulip,
scr. gum, oak (dig +) +
adj to Magn. glauca low
N. of Flomaton

Somewhat hilly -
pine - oak hills,
ll. flat
loblolly - bay linn
+ " - water oak

Loblolly-baymy, w. tulip,
oak + f

Pollard

loblolly + hickory
pine flats

Hilly land s of
Georgiana (10 ^{min} ~~mi~~ S)

Woods is a fine mix
w. Magn. grand,
some black, white (?)
oak + ^{tulip} + + along slope
toward arms of a
stream

Cypress + Tupelo gum
in ponds of the bottom
Oaks + pines w. hickory dogwood

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in above the meso my
lots of Magn. - at least
for 5 minutes (4 starting
10 min. S. of Georgiana
Georgiana)

The flat to north
has some Pinus glabra
some longleaf + lots
of loblolly w. the
small leaf oak (incl. white
oak), dig. var., perhaps
prairie, sugar
dogwood - tulip

Magn. gr. again, appar-
ently w. Pinus glabra
+ lots of
int. laevis

red, hilly, -
some P. oak, with
loblolly + oak
almost at
Greenville

just north, beech on
slope

Fairly hilly + almost
all hardwood

Some groves of loblolly
" of pine

Back Cover

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I have had to peck away
 in general manner, but
 pointed by the detector
 in the paper, from the
 to show the picture
 to not complete as
 to be desired

In "great majority" part
 in something of relation
 values -
 what is a parent in
 A. D. or as long as life

Pensleton, Ky.
Carnassent
Gen. mac

Hilly country e. of
Pensleton - big creek
& a rd (hard) crosses
rr. no good woods
but quite pretty
rr. tunnel - nothing
east of it

Turners, east

Fossil Gen mac
Phlox div, Larkspur
or. hyacinth & Podoph.
very hilly, but all second
tunnel & nothing east

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Another big creek & hill
& a rd to n. of rr (no g
but OK)
good n. slope woods on
upper half of steep hill
above rr

paved rd crosses rr
in a hollow (valley) & goes
up hill to point

paved rd along rr. where
valley widens

woods or, some of its
beech on old valley floor
Ky river & rd crosses
near
Worthville

Macadam rd bet
Northville & Eagle
then goes up hill on N.
Eagle Creek valley
is wide & very
attractive landscape

rd. still in valley along
rr on N (+ paved) ^{via} ^{Sanders}
Hills to S overlooking
Eagle creek pretty well
worked

Sanders.

We diverge from rd
to come up out of Eagle
Creek + thru a tunnel

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+ another branch of Eagle?

Some distance of
Bankhill + just up
stream of a rd. crossing,
good little piece of road
on N face + just below,
lots of woody banks,
some e. of a little tunnel
+ bet it + tunnel 2

then cross creek + black
top rd on high breast
Blacktop joins concrete
we big creek of just above
some little ^{on west} lakes + a few
old English ^{on each} three house

Along concrete -

2 big white pines
& back toward pr. a
blue-roof house
This not far above where
concrete rd goes under
pr in culvert SLO on
R R is e of creek
road " W " "

Some very int. spots
where pr crosses
creek as creek turns east
above Salina