

1915

F. J. P. ...
Castillo Hotel

Morgan City, La.

1 Apulika Ala VIII. 2. 1915

Rolling country (gully)
much under cultivation
heavy areas of pine (everl)
, pine & decid, & decid.
chiefly oak - between hills
marshy areas of heavy
grasses etc. V. hard collecting
Arphia car. 10[♂] 2 juvs - all
seen along forest borders
I. brevis mod nos every
where in marshy areas
I. citr rare in bare
ground of corn & cotton fields
M. livid 2 ads in undergrowth
of forest
A. gibbosus 2 ♀ thickets
heavy, near stream in
woods
S. americ ocul / ubiquitous
Q. pilid common in
dry areas of grasses
S. aduice same
Sp. bolli very few in
oak woods
U. alt ocul celtis f. marshy

C. virid usual fields
& grasses

H. rug 1 dry grass area

P. apiculata same 1.

Dryllus ars about towns
Sch. ♀ of 3 sp (2 ♀ ~~diornis~~²)
under bark of pine

stumps (Ew 1) juv abdt.
Dth. W ♀ ~~under stone~~
in pine beds (Ew 1)

P. pulch. 1 lux veg border
marshy area

C. columbiana 1 same

C. utill. 1 juv beaten

from sweet gum

C. squam juv mod same
at one spot among pine
needles in forest (Ew 1)

I lat scarce in marshy
areas

E. ruscit common in
stream beds

A. a. angust mod, mod
same - sandy areas

N. f. soc common in
low meadow land

2 spec. cap. truncatella
= apicula truncatella

Arct. vulg 1♂ juv n comm
marshy areas

Scudd. cunea? 2♀ juv mod
num. marshy area borders

P. florid few ads marshy ar
Hap juv under forest

Mel (Augusta sp) juv mod
dist. grasses

M. scudd juv juv everywhere
in forest underg

C. dallan juv o num, more
in dry grass areas

A. f. carinat? marshy areas,
A. r. crepit 1♂ same

A. retis juv common there
Sharp wood Conoclype juv

bottom layer	box 1.	35
2	"	50
3	"	53

(138)

juv in grasses in pure wds.
A. oxid juv same

Auc all beaten from low
lux veg near marshy
borders of wet areas

C. brevif juv abdt lux marsh veg
C. fasc juv ads same

2. Trionville Ala VIII-3

S. bolli few, forest undergrowth
Very old rolling country
and portions in high forest
of pine & sweet gum chiefly
Hapith few juv same

Oligonyx 1 juv "

C. apt 20[♂], juv mod nos
loc in grasses & vine tangles
of forest

M. moriei gr 5. ♂ 1 ♀
widely dist. & scarce
in mod. scant undergrowth
of partridge berry, wild
grape, vines, forest plants
scarcely any grasses in
heavy forest.

M. quereus 10[♂] number juv
same parts about
vine tangles

M. acudleri few juv
forest undergrowth.

C. squam juv abdt
& widely dist. on ground
thru forest

C. cutilli beaten from

Many bushes near str
in forest.

P. pulchellus, rarer

M. arcticus, debris

under raspb vines in forest
(probably wood's grass)

U. maculata juv abdt
in dead leaves of forest

U. car 2 ads in dead leaves
near str in forest

R. brevis ~~juv~~ ^{in but} ~~juv~~ colony
2 juv, in grasses ~~near~~ edge
of forest

L. dequata, under bark
of dead sweet gum

I. scd, 1 juv under pine bark

A. ullerii 2 ♀ forest underg

I. lat near str in open
& in forest

P. tollianus, ⁿ common locally
in short grasses in open
sometimes flooded area

U. f. socius common rarer

U. fulidua juv only there

A. latip 1 juv sweet gum
aprot in forest.

I. add curat 1 ♀ forest underg

4th layer box 1	78
5 " " 1	57
	<u>135</u>

Stag car 1 juv forest underg

Diaph 1j same

P. brunnea 1 ad 1j — colony
under sign on oak.

N. ambit occul in dead
moss in water oak grove

C. viridis fields

J. citr same

S. merie 1, windy field

M. mossi gr extremely alert
and active, much search.

138
+135
<u>273</u>

A. latif juv occurr in
 leafy underg of pine wds
M. scudderi juv ibid
M. (angusta sp.) 1 juv there
C. fasc 1♂ swampy area
Neotoma larger j ibid
Neotoma smaller j, juv
 in pinewoods underg.

6 th (top) layer	1st box	70
1st (bottom)	" 2 "	91
2d	" 2 "	54

3a p.m. 215

J. lat juv short grass pasture
near stream

Metell mod nos dry short
grass

Parat cucu mod nos dayer
sand sh grass damp area
near stream

Arde ^{loticaedra} ~~segreg.~~ 1♂ up in
willow about 5 ft, near
stream.

H. rugos j sh grass pasture
Isde major? under bark
 of pine, major many j in
 colony on one stump
 all traps after nest

Random notes

Everywhere between
West Point Fla & Apuliska
Ala. N. n. crepitans was
heard at rare intervals.

VIII. 1.

Everywhere between Wald
and Evergreen Ala a
loud harsh slow rasping
note was heard at rare
intervals - comparable
best w N. caudellianus ^(is that sp.)

VIII. 3

Evergreen Ala. A single
Pterophylla singing high
in a water oak VIII. 3.

VIII. 4

3 Evergreen Ala VIII-4-1915

Scarcely rolling country
much under cultivation -
forest high ground pines
princip. sh. leaf yellow and
Opulika sp., sweet gum etc -
broad "branches" w some
pines but many areas
of magnolia, gums and
some tulip tree, holly etc -
A few saw palmettoes. A
much jasmine in pine
wds. In open ^{marshy} areas of weeds
juncus etc.

Tryx brevica mod nos in
marshy area.

Arct. agile? juv mod abdt
same 1st seen & taken.

Pirip brunnea seen dead
in street, not taken.

L. viridif seen in fields

Symb adu seen in gra.
in pine woods

Ther. grac 1 ♀ juv same

Epilid mod nos same

A. uhleri 2 ♀ same

Scudd 1 ♂ same

C. oquana mod common in forest leaves & pine needles

P. pulch 1 ♂, occurs in low green bushes of forest near branch

M. gueneus scarce in heavy forest magnolia, gum and some Holly & tulip tree - ground almost bare covered in leaf litter and few scant leaved forest sprouts. 3 ♂, 1 ♀.

M. moree gr occ^o locally there. 7 ♂ 4 ♀ mod

Tetrigidea, common in leaf litter

N. fasc woodl j v common ads v scarce in leaf litter

N. car ads occ few j ibid

N. proavis 1 ♀ ibid

Hapith few few in scant shoots there

A. exigua 1 ♀ ibid

A. saltator 1 juv beaten
from heavy low bushes
near stream in forest

Microc 2j beaten from
heavy bushes in pasture

M. f. soc common in short
grasses of pasture.

M. verticalis few same

C. antillar 1♀ beaten from
low heavy bushes in forest

C. saltator 1 juv in grasses
in border forest.

S. carol beaten from low
grasses of pasture

A. occid 1 juv under pine forest

273
+215
488

~~P. M. P. trunca 3 common
about house~~

~~Pterophylla ♀ fluttered out
of water can falling with
a third under the light~~
M. cand very rare 2 heard
in trip 3 mi out ^{Latin strid} in weeds in field

4 Spanish Fort, La VIII.5
Shore of Lake Ponchartraine
marsh. High grasses
(plant 2) areas with
clumps of marsh weeds
other areas of arrowweed (?)
and others of rushes

C. fasc. sermunda grass on
levee.

C. spart or rare in high
marsh grasses.

C. mygropis abundant
locally in same

C. n. sp? 1/2 same

Parot florid mud common
throughout marsh

S. drucis common same

R. micropt very common
in rather large local
areas, everywhere swam
up in small willows
as high as 14 ft from
ground.

Tetlig lat ocellul in
high marsh grasses

Tetlig apic? few there

J. magnificus joceusul 1^a
same.

A. agile very common
partic in low areas
of marsh grasses

A. nigrip common &
widely distrib thru marsh,
& always single and
strid usually up in
some tall weed several
ft from gr - fearless
& easily taken if care
is used in appr.

C. virid mod nos in
grass of levees.

Dryllus 1 No. Chil. ex. strid

3d. Layer 2 box 62

4th " " 50

5th Top " " 20

Romalea paper 105

Romalea stria " " 139

1l - 3 box 27

2l " " 26

3l " " 57

4l " " 62

+ 550 1038
488

day work 550

The males of Roualea are continually attempting to copulate - approach the females cautiously and then suddenly springing at them with surprising agility. When upon the female they give "the wings" brief but continued flutter jerking at the same time from side to side, this is done before and also during coitus the females also rarely making the same action.

1st layer bot	4	15
5	" last "	34
2	" "	4
3	" "	4
4	" "	4
5	" "	4
6	" last "	4
1	" "	5
		+ 182
		1038
Total -		1220

Orleans Canal

5 near Spanish Fort VIII-6-

High grass of at present
dry fresh marsh intersp
w mallows & other plants
w occas willows and
large saw palmettos,

S. aeneus 2 ♀ there

S. obscura 2 ♂ 2 ♀ "

J. marginatus ✓ few occas ads
✓ few ibid.

Trax brevis ✓ very common ibid

A. vigilans scarce occasional

A. nigripes " mod common

A. ~~fulvipes~~ ^{fulvipes} " "

A. ~~fulvipes~~ ^{datiranda} " very scarce

C. n. sp 1 ♀ ibid - flew
vigorously

P. ~~all~~ common there

Telligidea roylei " "

Homonoropterus 1 ♀ "

Mor. ~~triceps~~ 1 ♀ few juvs ^{see note under 9.} "

Mor. ~~sp~~ few "

A. florid 1 ♀

See opp page for
count

5a same p.m.

~~H. malivol~~ mod mod
everywhere in high marsh
grasses - Sing dzuu-dzuu
8 to 5 sounds preceded by
a rustling sound only
audible nearby.

A. nigrip ♂ high in willow
stridul

Rana quira ~~depreata~~

N. triops occasional

$$10 + 1220 = 1230$$

4a Spanish Fort VIII-6,
p.m.

~~H. maliv~~ as above

also

N. triops

other spec sleeping
in marsh grasses

Box 6 layer 3	18
" " 4	22
	<hr/> 40
	1230
	<hr/> 1270

to New Orleans La VIII-6

In drained proquet
land.

J. apic scarce among
short grasses

J. lat common same

A. exigua few "

A. pulicaria 1 ♀ 2 ♂ "

P. pulle 1 ♂ beaten fr bushes

W. j. soc few in short grass

U. cub mod nos "

Duplex 1

C. viridis common in short
grass of levee

E. minuta on bare marsh of
heavy swamp

R. niger abundant

W. ajit 1 ♂ beaten fr bushes

Box 6 layer 1 = 48

1270

1318

Box 6 layer 5

24

1342

7 Harahan La VIII. 7

Short grass of levee

Chort via common

A. pelid 1 scarce

J. brevic 1 there & dark 1 in

heavy willow swamp
border of river.

mud border of Mississippi

J. apic common

E. minuta rare

Tettigids 3 sps few

few green plants in heavy
willow swamp bordering

Miss in dense alder

Numbius (w/ 1 leg) there

Don beaten from high
grasses beside road

Numbius (w/ 2 legs) old field

P. putchellus under
live oaks

J. ult on shell road

C. brevif few regulus locusts

A. nigrip common there swamp

A. agile 1 scarce under

P. florid 2 ♀ levee the grass

89
13 + 1342 = 1444
102

5.6 Orleans Canal VIII.7

Further work in same
site as 5. Long search
failed to reveal Couoc, n. sp.
~~A. bradleyi~~ found to be
widely dist. but mod scarce
T. apiculata? 1♀ much
on canal border - all seen

26

29

30

19

104

1444

1548

8 Morgan City La VIII. 8

Heavy swamp of tupelo
gum and cypress - under
few saw palmetto and
vines, shoots etc. ground
bare black mud.

Few areas of very coarse
swamp grass.

R. micr or few in heavy
low veg edge of swamp
H. analis small colony
in banana clump & low
grasses at sta, p.m. VIII. 7.

Tithyidea on mud

annata common in swamp

lateralis mod. particularly
near edge of swamp

apicul scarce in swamp

Dore 3 ♀ from grasses & plants
in swamp

M. palustris 1 ♂ in heavy coarse
grass in swamp

A. uigra great nos in
low plants in swamp

A. pulis mod nos in low
grass on edge of sw

Mimobius 2 sp? mod
common in swamp on bare
mud.

Dryllus the same, a few.

J. brevis ~~very~~ common
in swamp veget

P. florid the same mod
common

J. marginis ~~id~~

A. agile occul in high grass
& plants in low waste field 18.

A. patescend same

A. nigris everywhere thru
green swamp undergr.

Notell occul, swamp, mud

A. aruoo " " " "

S. fureata v. scarce in swamp undergr

S. carolina " " " "

A. florid swampy spot edge of mud

C. antillar ¹⁷ beaten from bayberry ^{with} swamp

C. saltat 1j " " "

85	1548
19	262
100	<hr/>
58	1810
<hr/>	
262	

C. columb 18 beaten from edge of sw
undergr

9 Rhoda Ia VIII. 8. 1915
Swamp areas about
mill pond. material
referred to in notes
under 8.

1810
23

1833

write
labels

aver 262 per day

1st week

joint work $\frac{1}{2}$ week

The song of M. troijs is a
continuous but interrupted
buzzing ~~very~~ ~~strong~~ ~~very~~
very loud. The notes blend
more than do those of the
other sp of interrupted song
but the recurrence is
apparent at a consid dist
not only when nearby as
we stated in her paper.

10 Lafayette La VIII. 9

near Bayou in tall open forest of tupelo oak & cypress. Underg of swamp grasses & low plants, some weeds and vines

A. uhleri common

N. triops 1 ♀ H

Camp Carolinensis 1 ♂ R

H. agit mod comm (and also common in heavy "branch" underg)

A. saltat 2 j (and 1 ♀ in heavy branch underg.)

S. jure scarce

M. robustus mod nos (also scarce in heavy "branch")

C. brevis juv & comm ads comm. (also in heavy "branch" there larger in more swamps)

along bare mud border of Vermilion Bayou.

E. minuta swarming

Tetrigids mod nos

In heavy branch underg

C. columbiana 1 ♀ R 1 ♂ H

Q. vulg 10th strid loudly
in bush on edge of field H.

Q. nigrip common in
swampy underg of branch
H. maliv 19th in heavy low
broad leaved ~~swamp~~ grass
in "branch"

P. clavuligera mod comm
in swampy underg of branch

A. exigua every where occul
in swampy grasses

A. pulic mod mod in low
grasses near swampy areas

H. fasc underg of open ^{refulgetey} forest

H. cub 1st underg of same

C. viridif common in fields

Ischnoptera 1st under sign
on oak, other P.M same

D. viridis common underg
of open tupula etc forest.

36

34

121

36

54

281

1833

2114

C. duplicata 1st under
sign on oak

11 Lake Charles La VIII-10.

Oak "hammock" land
ground covered in places
with broom sedge - other
areas of low plants, bushes
& vines.

A. pulic few in low grasses
Pseudoscrayle same. Much
beating success. to sec. series.

H. agit. there very common
J. lat or few there

N. fasc not woodland var
there just only from this area
small darker spec from
marshy spot in open.

A. angustif 1 juv from low
bushes beaten H

A. quadri 1 ♀ sweeping there R

C. brevif mod nos in wood
underg, most brilliant & so
common in open marshy area

D. viridis common woodl underg

C. elegans scarce same, mod
common marshy open area

Tettig arenata woodl underg

J. marginat vid nos in marshy area

S. vitreus common marshy area
1 at light at night

S. americanus few, undergrowth

A. agile ²⁰ common marshy area

A. glaberr loc not scarce in
low plants on edge of woods

Diapleron beaten from low
grasses in oak woods, A

H. maliv 1 ♀ taken same H

S. aduiv everywhere common
esp in grasses

J. brevic common marshy area,
and 2 at light at night

M. robustus mod nos in
underg of oak wds.

C. saltans few in grasses in
opening.

C. nigripes few in marshy
areas

Chortoph common in ²² salt
grass.

A. florid 1 ♂ ²⁴ marshy open area

A. obtusif 2 ♂ under oak ²⁴

S. carolina few " oak wds

2114
+ 329

2443

Parotax common
in swampy grass

12 Le Bleu Settlement, 1 mi.
east of Chloé Fa. VIII. 10.

Long leaf pine flatwoods

C. milit. few in marshy
area in open ^{l.l.} pine woods

C. strictus common, under
of ll pine wds & adj. prairie

C. saltans very rare few mod
nos there

C. brevif. few mod nos under
of ll pine woods

H. rugosus 2♂ edge prairie &
l.l. pine wds

Arphia western sp 1♂ H prairie
near pine wds

S. americ. few on prairie

M. luridus in areas of
low Myrica cerifera in ll pines

F. tubardi 1♂ under ll
pine wds H

Anax pulic. 1 swampy spot
, grasses in, l.l. pine wds.

C. eleg. common, somewhat
wit areas in l.l. p wds
and adjoining prairie

Parot all same.

N. fasciatus common
same.

Leptogids a few same -

Open prairie 2 mi W of
Ulva -

A. concium loc mod nos
in coarse sedge grasses

B. borealis occasional
there and in grasses in
damp areas in pine woods

Morone adult in prairie
grasses H

A. ulleri 1 large ♂ same H

M. scudderi few j in
areas of Myrica crispus
in l c pine woods

2443

215

2658

544 for day

13 Sabine Tex VIII. #2 11

Flats of various marsh
grasses with bordering
tidal areas of a sort of
cane and bare "adobe"
salt pans.

M. differentialis mod nos
on flats partic in weedy areas

C. blivacea common both
on grassy marsh flats & in
tidal flats grasses

J. citr? 1st H on bare "adobe"
salt pan. Long search.

Quison ferruginea 1st H.

Scalia found in heavy bunch
of grass (see 3) on marshy
flats.

Eucopt Tex 1st H weedy area
on flat near village

C. squamosum or common on
grassy flats partic about
plant. (see 4)

C. antill mod nos same

H. agit mod nos same

C. nigropleuroides occasional
in case (see 5) on waterway

borders of tidal flats
most wary and agile
in movements - Series
taken after continued search.

A. apertuinae common on
landward portion of
tidal flats in Distichlis
(Euo 6), few on marshy
flats in grasses (Euo 3)

A. nyzopli² few on tidal
flats, common in grasses
of marshy flats (Euo 3)

J. marginic 1 ♀ # only, tidal
flat grasses

Stagnum carolinia grassy flats

B. borealis 1 j H + very
rare in grasses of marshy
(not tidal) flats.

Paraid nuncia 1 ♂ R few j
in weedy plants on marshy
(not tidal) flats

Beaumont Tex VIII. 12 P.M.

C. undifasc 1 ♀ at light

D. eximilis 1 ♂

2658
+ 243

2901

14 Houston Tex VIII. 12. 1915

Oak groves and some
pine - almost flat country
N. proavus v scarce in
ground v acute veg, grasses
& plants under oaks

J. lat common there

Corydalis few there, ^{mod} numerous
on bare sandy bottom of dry
stream bed nearby.

Motilla 1 ♀ on dry stream bed.

Frubardi common in grasses

Anax n sp? 1 ♂ H.

Aphidius western common

A. pilidua few

Aphidius western 1 ♂ H low and dry
grasses in pine forest

Parabacillus 2 ♀ low grasses
in pine forest.

Rom. micropt 1 ♂ 1 ♀ R same

Campyl. carolinensis beaten
from lowest branches of oak

Cerat diapha 1 ♂ H in Spanish
moss on oak

C. autill few few same

C. squam same beds & in under oaks

S. puri 10^R A in pine woods
A calcarat 1^Q R low
swampy grasses in oak woods
Campylae juv common in low
green plants in grasses.
Mit juv underg of pine woods
Syrb ubiquitous in grasses,
Chort mod nos " "

2901
203

3104

16 Harrisburg (2 mi W
Central Park)

~~near Houston, Tx, VIII-13~~

Solid short-leaf pine woods
w low typical underg.

Very unproductive but in
heavier grasses & some
plants along RR thru these
woods considerable found.

C. viridif common in sh
grass - open areas in pines

R. micr high grasses along RR

B. borealis occul. same

Pseudoseuyle few "

Diaply pds occul. juv common
same resmuli

M. scudd 20th 17 juv mod
common same

M. western sh w 10th same

M. unipigra? few juv "

S. adriar common "

Mormir maculif 10th H "

Parox all 10th R "

Ambly ulteri few "

J. lat 10th H "

H. agr 17th in some "

Orde glaberr 13th "

Campylac ✓ few juv same
Mocouoc " " "

In flag-like saw edged grass
along stream

C. nigrip occul 1 ♀ 2 j H

J. brevic ✓ common

S. vitripennis 1 ♀ H

In acid under growth of
pine woods

H. negorus 2 ♂ 1 ♀

Arphia western sp. 1 ♂ H

A. jilidica 1

Stagmomantis, Collina ??

in grasses & vines along RR
occid.

61

13

15

16

19

10

134

3293

3427

17 Navasota Tex VIII. 14. 1915

a. rolling country covered with post oaks, sandy soil w scant grasses & high weeds some hard bushes

b river bottom land w stretches of short grass & areas of a low succulent vine - heavy timber near stream, sandy areas along water

M. robustus mod nos in weeds & grasses on post oak hilltop
Hadrot a few in open, scant grasses there

M. diff ubiquitous, w abdt in ^{weedy} bottoms

Boopedon small nos in ^{shrub} ^{up in} ^{succulent} ^{vine} ^{areas} grassy bottom land areas

Arphia large, mod size colony as Hadrot.

Questobreg large colony same

S. obscura mod common cottony

T. citr few on sandy areas near str

Mermis common in high grassy areas among post oaks

Syrph admir ubiquitous w common

Encyrt large common as Boopedon
not in vine

A. penns. no juv in short grasses
on post oak hilltop.

H. rugosus same.

M. shw blue leg mod nos same
also in bottom land near woods

Andelyc large 17. foliage in post
oak area on hilltop

A. uhleri common there in low
plants and in high grasses

H. sp. spec 10 2 ♀ in high grass
& plants same.

Mel. L w blue leg bottomland
grassy area.

Mel. sandd juv in bottomland
on edge of forest, mod nos
in low bushes in post oak hilltop

C. virid mod nos in low
grass areas of bottomland

E. texensis juv on bare above

M. odoboa mod common in
low scant grass of hilltop

Arphul gt nos in short grasses, bottomland.

Hapith in vines in grasses of post oak area

Paratett common, sandy stream border

E. minuta same

A. vulg juv in grasses on hilltop 10 ^{part} juv

A. nigris mod nos in veg
along edge of woods in bottom
A. calcar & singing in nos in
new thorn & other bushes, ♀ in
nearby high grass; just oak area.

S. purc usual bottom land.

All Phragmites ^{near top} ~~near top~~ from
high grasses on post oak hilltop

Trigonidom very few in scant
grasses under oaks & near succulent
vines, all in bottom land

C. squame 2 ♀♀ same

Campylac in plants among
grasses on hilltop

C. strictus few in grasses on
hilltop

C. fasc grasses & vines in
bottomland, common.

Acc. same 1 ♀

$$\begin{array}{r} 4016 \\ + 261 = \\ \hline 4277 \end{array}$$

18 Kearne Tex VIII. 14-15, 1915

Paratett very common on sandy shore of little Brazos River

Asphodela common fields of salt grass

Hipp rugosus a few same

Hipp saussurii? 1 ♂ "

Eucrypt tex on bare adobe muds

Eucrypt western few, salt grass fields

Large blue leg longis western red

common in weeds near pot oak

Large same brownish red

few same.

H. prat very scarce same

meruir common ^{in high} there grass

Spharag wyon low large

colony in grasses of sand yard

Chort viridif mod nos in fields

Hapith in vials little Brazos R bottom

Sh w blue leg red occur in fields

M. scudderii few in pot oak, studied

S. americ red ubiquitous

M. diff in prat nos in high weeds

S. admir red ubiquitous

C. nigrip common in fleshy leaved plants & muds in water of little Brazos.

378 379 47 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Q. sp? 1 ♀ same

Q. calcar in grasses of forest of ^{bottom} ~~prairie~~

J. marginic in area of bull oaks

N. n. capitatus 1 ♀ beaten from heavy grasses

Campoplex 1 ♂, juv. in plant in grasses

Pseudoxenus in grasses near post oak thicket

Mel. n. w. blue leg heavy, juv in scant places & grasses in heavy bottom forest of walnut junipers etc.

Alc. yellow head 1 ♀ same place.

Lactista colony in sanded area

Mesochorus 1 ♀ scant grasses near road

Acrydium 1 same as above Mel.

Tetragidra juv " "

Aspilota smaller 2 ♂ post oak woods

Aspilota larger 1 ♂ sandy area bordering "

Sph. crist occul " " " "

P. funestralis mod nos " " "

Mel. n. w. sps grasses same & in woods

Sph. bolli juv in dead leaves of post oak area

D. quercus 2 measurements in sand

of wash in post oak woods

Alc. pale sp in post oak woods

Mesochorus & juv grasses near " "

Taken? + 298 =
4277

4575

C. bruyi leafy veget in streper bed
Agrost Sandy waste field

19 Ellshart Tex VIII. 16. 1915

Rolling hills w chiefly a short-leaf pine
other trees hickory, oaks, sugarcane etc.

A. carinata occurs in openings along border of woods

A. low crest 1 ♂ " " "

S. bolli few in woods on dry oak leaves
~~Murder~~ along border of wood in tall
grass patches

S. adier same or worse, few in woods

Syrb fuscoe 2 ♂ in tall grass on wood border

M. lurid few in clumps of oak shoots " "

M. western l w blue leg common old field

Sph. crist occurs in sandy old field

M. acud common in grasses & plants

along wood border & also few in wood

Pseudoc 2 ♂ slender tall grass wood border

Diapher 2 ♂ few juv occurs " " "

C. virid ubiquitous wood & field

C. pelid widely distr, woods, ~~wood~~

C. am west common sht heavy grass ^{valley} bottom

Orsh. nigrip or common tall weeds ^{along bank} _{in valley bottom}

A. calcar 1 ♂ same J. citr sandy field

N. trojs 1 ♀ " S. obsc few ^{fields}

Microc j ~~weeds~~ edge of woods

A. ubleri 1 ♂ 1 ♀ same Parat streper ~~weeds~~

Campy common ~~juv~~ ad so ^{weeds in} field

Sudd on same Hipp juv same

39
39
30
11
43
2 | 161
+ 453
= 4736

20 Dallas, Dallas Co.,
Texas. Aug. 14, 1915. (R.)

A.M. Collected in edge
of prairie region some few
miles S.W. of city, also in
fringe of low oaks and

~~junipers~~ in shallow
ravine near by. Prairie
region partly cut and partly
tall grass & weeds, apparently
no difference in species.

~~Staph. car. Nymphs num.~~

~~Diaper sp(?) + Pseudoceryle~~

~~sp. fairly common in prairie -
nymphs outnumbering~~

~~adults. Mermiria mac.~~

~~neoflex. common~~

in grasses in both situations.

nymphs very common -

female adults not

numerous. Systula
everywhere abundant -

♀♀ less numerous

than males. Neoperis-

settis 1 ♀ (all seen) taken

in prairie.

^{pachardii}
Melanoplus ~~trittatus~~

1 taken in grass. M.

~~affinis~~ abbeis several
in more waste-like spots.

M. scudderi & other
short-winged species
in tall grass & weeds
under trees & also less
numerous, out on the
prairie in the taller

grasses. Phoetaliotes:
all nymphs - in prairie

Mel. curidus & other long-
winged species in tall
grasses

Campylacantha
associated with

Phoetaliotes.

Mesoch. lva not numerous
in grasses. Con. strictus
not common in
grasses.

P.M. Same loc. & date.

Adjoining portion of
same prairie and
rainy region.

Notes as in morning
~~unless~~ with these
additions.

Sch. americana. In various
weeds.

~~Arct. grac. crustacea 1
♂ taken from green
weeds & grasses on edge
of prairie.~~

~~A. gralloctn 1♂ 1♀
Same environment as A.
g. crustacea.~~

28

28

24

53

50

23

24

24

17

271

3427

3698





20 (continued) In old field,
untouched prairie and
brush land and on bare
whitish soil mixed with
fragments of whitish lime-
stone. The limestone under-
lies the whole region and
comes to the surface in areas
where it is quite evident in little
ravines and washes.

These notes are supplementary
to those given previously

~~under this number.~~
^{aligning the numbers}
Mercuria mac. common

than M. neomex. in old
field growth. The latter
species more abundant
in native prairie ^{condition}
^{preserved in the soil in prairie}
Chortophaga - in old fields
chiefly.

Pencop tolophus costalis
1 ad. + 1 nymph. all
seen - taken in prairie
condition.

Mestobregma. All seen
taken - on whitish

rare.
soil.

● Thomomys ditto ditto
Trimerotropis " "

Campylacantha. Abundant
in certain weeds - several
adults all seen - taken.
Hesperotettix. Sparingly
in both native prairie
& old fields - all seen
taken.

Mel. diff. Common in old
fields.

M. atlanticus. ditto . . .

M. two short-winged species.
Numerous in grasses -
particularly in native
prairie - most seen
taken.

Paraidemora found
with short-winged

Mel. About as numerous.

Arthaca gra. cincta

● Two ~~pp~~ beaten from
prairie.

Criblycorypha hirsuta

In low bushes & in
grasses - all seen
taken.

Crab, rot. parvipennis
1 ♀ beaten from grasses.

Alcaethes 1 ♀ beaten

Cycloptilum ✓ 3 ♀ beaten

21

32

14

57

23

147

3698

3845

20 (continued) Aug. 16, 1915.

In prairie grasses &
weeds, areas of short
grass and exposure
of bare white soil &
broken limestone, also
wash and wet limestone
along bottom of
ravine.

All notes supplementary
to previous ones from 1.

This locality.

Paratettix fairly numerous
in wet areas of wash material
and on bare limestone
along small stream in
bottom of ravine.

Cucophtolophus Numerous
in certain areas of short
grass.

Hippiscus numerous
in short grass.

Nadrotettix All seen,
1♂, 1♀, taken - These
in short grass of bare
prairie area.

Trimerotropis citrina
in ravine bottom.

Trim. sp. Similar
situations to where
seen yesterday. Practically
all seen taken.

Meotobryna In
short grass on bare
prairie & on bare
soil.

Aficotettix. Better

from grasses.
Schistoc. obscura taken
from trunk of oak in
open woods.

Hesperettix vir. type.
All in tall grasses.

Hesp. speciosus, 1 ♀. Beaten
from grasses.

Amblycory. Beaten
from bushes & grasses.

Arthaca pall. 1 ♀. Beaten
from low plant in bare
prairie.

Arth. grac. constricta

2 ♂. Beaten from grasses.

Opithus 1 juv. beaten
from scrub.

17	2d week
30	Thru VIII.15
41	2571
50	1st 2 weeks
26	4404
7	over 367 per day
<hr/>	tot " 314 " "
171	
3845	
<hr/>	
4016	

21 Palestine. Sex VIII. 16

Low hills, soil clayey and sandy, covered w rather heavy deciduous forest of oaks, sweet gum, hickory etc. very poor collecting -

M. scudderii mod. common in undergrowth

S. admiris same

@ 4 punct triline from weedy areas

Arph crist 1 ♂ edge of forest

Mel l.w. western. in grassy waste fields, mod nos.

Arp pulid occurs in woods

Chor vivid ubiquitous, not common

S. americ same

Nomot 1 ♂ ~~wood~~ undergrowth

C. squam 2 ♂ same.

H. rugos open areas of low grass ^{few}

Brunn for 1 ♂ 1 ♀ same

Campylid 1 ♂ very common in weedy open areas upland

N. triops 2 ♂ high grasses in open

C. brevif few in heavy grasses & shrubb near stream

Acc. latip 1; same

Diaph 1; grasses near wood.

Paracyrt 2♂ in post oak about
12 feet from ground. Singing
at night, song gruck ---
gruck-gruck, very loud
and harsh, when held this
note was frequently given -
one place I heard, at
another 1; this in about
3 miles covered.

Stipalor 2♂ in post oak
shoots near thicket of
same. Song djick ---
djick, not powerful and
appearing to be from a greater
distance than is the case.

Romalea in post oak at night

M. differentialis "

M. robustus "

67

4736

4803

22 Tonguew Tex VIII, 18

slightly rolling country
much pasture & open -
forests of a short leaf-pine,
sweet gum, oaks, hickory, etc.
Chort vividig occurs in
open grassland.

Orph ~~western~~ ^{2 sp?} mod common
in open short grasses.

H. negosus few same

S. americ common in high
weeds along R.R.

Mel western l.w. few in
open grassland

S. bolli few in dead oak
leaves of heavy decid forest

Mel luridus few in scant
underg of occul plants
& small bushes in heavy
decid forest

M n sp? mod occul
partic in small

colonies same - series

taken by long & careful
search R.S. some's

C. squar mod nos same

mel arbores 1 ♀ on
trunk of a sh l pine in
forest - 3 ft fr ground

C. julid common underg
of forest

S. admir few same and
in open in meadow grasses

Campylo few in weeds &
high grasses in open

Bruce boreal 1 ♀ 3/4 same Rlj

C. vulgare 1 ♀ H same

H. agitat common in low
wds bordering streams
among willows

C. nigrip few H same

A. exigua common

C. columbiana ^{3♂ 1♀} same all H

Arctocharis 1 ♀ H same

Ittigida as M. luridus H

Acrydum 1 same H

Diaplyxone ^{presumably} few " 1♂ H

Uenob few, mod nos in
wet spot of low plants
in open 1♂ H

Paratettix 1 ♀ low grass bordering ^{in open} stream

Sudd as M. luridus

M. fumea n. 18 H weeds
in open.

C. brevif fud as Hapitans

M. diffra O Tabun, several
seen in high weeds of open.

28
60
44
45
27

204
4803

5007

23 Shreveport La VIII. 19
low rolling country with
forested areas of oaks, sh-
pine, pines, Hickory etc
and meadow flats w
areas of low & med high
grass & plants.

S. americanus 1 in meadow flat
Hipp. rugos common same
Urtica modica -

Urtica arvensis common "

Syrph. aeneus few same & in
underg of forest

Aspilota very few, underg
of forest.

S. bolli mod nos in ^{dead} oak
leaves of forest

Bracon borealis 1/R in forest
underg; 3 ♀ H in ^{low} plants &
grasses on edge of forest in
meadow.

A. uhleri few underg of forest

C. saltans very few in
meadow grass on ^{low} top of hill

C. stricus few in underg of
forest, in great nos. in

● short grasses of low meadow

C. fase 1♀ H same

C. brevif. few in forest

underg.

M. luridus a few same

D. viridis common in damp spots of same.

A. pilid mod nos in forest underg

M. tubuloid? or cap (fougues) very common & widely distributed but rather in colonies

throughout underg. of woods

M. scudderii occul. in underg. of wood.

M. retinerwe 1♂ R same.

Mel. robustus few H among oak shoots in wood underg

Diaple j common in wood underg part upon oak shoots

Stagne car very few in wood underg

● Aes 1♀ H underg of wood

● Arche nigrip in low veget near stream.

Mel w west in old grass of meadow

Tetigidea latruncularis near stream

Acyd 1 jH low meadow in
short grass.

Neotila mod. ~~condition~~ same

Cyclopt aquaticus juv in underg
of forest.

Scudd juv j. in underg. of forest.

C. vulg 1 juv j - underg of forest
near stream

22
56
60
53
51
12
254
5007
5261

+46

Killed 1 large water
moccasin

24 Arcadia Ia VIII. 20

low rolling country of clay, in part heavily forested; some places almost wholly a short-leaf pine w. much grass various plants & vines beneath; other places nearly all deciduous, sweet gums, sycamore, in the bottoms beeches etc, little undergrowth of plants, trees of great size.

M. robustus in undergrowth of both types of forest; scarce
M. tribuloid? same, partic near streams, mod num^{ity}

M. scudderi same and also in open in grasses in large nos these paler in coloration

Diapler in grasses & plants of short leaf pine forest

Pseudom 10 H same

Arph curvica same & on forest borders, occul small colonies.

Drummen boreal / v

rare in grasses in open
ag. in woods of mixed pine forest

C. vulg common in tall
grasses & plants in open
sing. males of hard to take 10th H

Amb. ubleri few at pine woods

N. retusus j v common same
and also in grasses on forest
border.

P. uncinata on ads occul
same.

C. brevis j common ads few
in underg of forest near
streams

C. fove waste field

P. albans j common in grass
of high ground at pine wds.

C. latif 10th R j occul in
underg of sh leaf pine woods

H. agit v few same

P. pulchellus common in
next gum shoots partic
in forest chiefly of pine.

v in Dec. auticus pine j underg

M. luridus few in underg of
pine forest.

C. aurifera edge of forest in low
scrub & under bark of birch

M. albarius fr. waste field
M. westl. w. in open grasses

Synt. aduicir common same

H. megorus mod nos

S. americ same "

C. viridij " "

Nowot dentica 10k; in same
in under of forest of chiefly
short leaf pine.

A. ferruginea 3 under
bark of pine log

D. derop 1/2 H oak leaves in
new forest of dead trees

P. unidentata under bark
of birch, all seen taken

S. brunneopurpis same,
many not taken

S. divisa? same

S. crist 0 fr. in waste field

M. sae? wet soil in forest

E. pilidua common wood walking

22	
49	5261
65	353
20	<hr/>
25	5614
147	
25	
<hr/>	
353	

25 West Monroe La VIII. 21

River flat country,
forests of lofty sweet gum
oaks etc, meadows of
short grass, areas of low
lush plants

Orph. one west, short grass meadow

Orph. larger " "

Orph. julia in grasses of forest
on slopes of river banks

S. hubardi 1♂ 1♀ H same

A. julia 1♂ H "

A. exigua mod nos in low
plants under willows on ^{river} banks

Anis formig large colony all in
cotte under bark in decaying
cavity of sweet gum.

Trich. juv same.

Schist. rose 2♂ H in lush veg
of lowland decidu forest.

Mel. shw tubal? common same
and also in underg of river
banks forest, darkest in dark pl.

D. carol comm in sh grass
in openings of river slope forest
H. nez few in short grass meadow

● Chor. viridif and nos same
Mel. fusc common in
lush veg in sh gr meadows
& in grassy underg of forest.
Mel. differ 1 R underg of forest,
grassy.

Cyrt. aduic common meadow
Arph. carin colonies in mead
of sh gr & in underg of forest.

Arch. nigrip common in
rank veg on river banks
few in same small areas in
meadow & forest.

Arch. vulg common in small
areas of rank veg in meadow

N. retusus 1 ♂; vocal same

N. troops 1 ♂, 1 ♀, common "

Arch. calcar 7 ♂ H in lush veg
in forest.

S. furcata same flat land & river banks

A. ubleri in rank veg in mead & forest

A. oblongif 3 ♀ in rank veg of forest

● P. clavulif same and also in
meadowland, common, darker
in dark places.

D. viridis same, in great nos.

26 Alexandria La VIII. 22

Slightly rolling rather sandy. Long leaf pine forest, rather open - underg much grass about 1 ft high and some plants - Branch of bay oaks etc w high plants A much grasses.

A. carin scarce three l. juvs.

Manonera? " " "

Olizonyx 1 ♀ R " "

Syrb adu common " "

A. pelid " " "

A. occid j " " "

Dend. texe 1 ♀ H " "

Chort virid occasul " "

M. luridus rare " "

M. troops few j, 2 ♀ " "

M. r. crepit 1 ♀ H " "

C. salt? few " "

C. strict common " "

H. myos rare " "

J. hebardei 2 ♂ 1 ♀ H " "

Parabacillus 1 ♂ R " "

C. squar o few common in oak leaves - in mixed forest " "

Cec in weeds few " "

S. lat few trees & l. pines.

Neotell few in daisy area "

E. minuta same H

C. pellic 1♂ in grasses of l. l. pine forest, sandy soil near branch. & also in mixed forest same 2♂

N. g. generalis ^{3R} 5H same - very scarce - long search

C. trigonip? few in low bushes in branch

H. agit same in undergrowth pines

P. atlantica common in bushes & plants along branch

Nel scudderii a few about oak shoots in pine forest.

Arde vulg few in plants in branch.

Morm alas very locally common in grasses of pine woods

Neot. monex 1♀ ^{oak} in leaves in mixed forest

Neot. same? larger 1♀ 1♂ in sandy swampy depression

A. latipennis in oak shoots of mixed forest

P. uncinata 2 j H undergrowth
of mixed forest.

A. ferruginea under bark
of pine stumps in mixed
forest - all ♀ in pairs.

Nowot 1 j R underg of mixed forest

P. pulchell 1 ♀ H " " "

Arpuebella western, short
grasses in low pasture

I. citrinea in sandy road

Isch. juv under sign on oak.

Mucob fasc woodl j H branches
among leaves.

Acrydium 1 H ~~in~~ grass

Arctiaria j bushes near branch

Mel western 1 j H among small
yellow daisies & short grasses
in open.

63 3d week total 2077

28 total " aver. 2127

44 daily " " 304

13

26

59

15

248

6133

6381



27 Pass Christian Miss.

VIII, 23. narrow sandy
strand

J. citrina occul.

Chort 1 ♀ R

back of this some grasses &
strand plants

A. shiveacea 1 ♀ H

Low long & short leaf fine
woods - sandy with a
variety of grasses & plants

S. marie one colony of

nonotellix 1 ♀ R

neotellix

Same marshy with much
grass.

A. glaberr very common

A. milit mod nos in
spots of standing water

J. lat occul

J. apic 1 ♀ H

Chinos eleg very common

H. agit 1 ♀ H

S. aduis occul

U. ferner sub same
partic in waste field.

M. luvulus occur three
pine woods.

N. triops ~~common~~ 1 ♀ R in
high grass marshy area

N. melanor 1 ♀ R same

A. agile high grasses back
of beach.

A. occid occur in pine wds.

S. carolinia 1 ♀ ; 1 ♂ ;

Scudd tex occur in marshy
areas

Cyclopt R ~~abundant~~ in
pine woods

C. saltans 1 ♀ H same

C. fasc marshy area

C. brevif marshy areas
in pine woods

C. apterum 2 ♀ H grasses
in pine woods

Morm alacris high
grasses in swampy
pine woods, 1 colony

Chc ; underg pine wds

Parot alt common
swampy pine wds.

C. laurelig ? 1 ♀ H same

● Manometra 4 grasses in
sandy pine woods.

Arphia occul. Three
pine woods.

Brunn boreal / 4 ♀ H High
grasses near pine woods

Cyrtophyllus common in
high trees & tabree - note
more rapid than canellig
and given but 2 at a time
Amblyc 1 ♂ H grasses in marshy area

49

33

46

14

142

6381

6523

mosquitoes bad.

28 Ship Island Miss

VIII. 24 13 1/2 mi fr. coast

Sand dunes w sparse sand
grasses, sandy stretches
and depressions filled w.
brachist marsh grass.

Psidium mod nos dunes
& sand areas.

S. citr H very few, sand areas

N. trop H marshy depression

Orch fid j. same H

Parot 1 j " "

O. oliv 1 " "

Nest bolt 1 " " "

mosquitoes in myriads

34
6523
6557

● 29 Cat Island Miss
 VIII, 24. 8 mi fr coast all H
 Sandy stretches w sparse
 sand grasses, l l Pine
 woods sedge grasses.
Brime byal 1 f in sedge
 grasses in open
Sirt marine colony on
 sand, edge of pine wds.
Ps forest few same
J. citr 1 " "
O. swaicea 1 marsh depr.
U. bolteri 2 j " "

mosquitoes in super myriads

6557
 15

 6572

Labels write

30 Sulphur Miss

VIII. 24 & 25 Salt marsh

low plant & vines, cattails,
then areas of Distichlis
and beyond Spartina
low then high.

Q. agile weedy area on
marsh border in distichlis

Q. concinna bullrushes
on edge of marsh.

Q. fidic in high spartina

C. nigrop common
few in low spartina

C. spartinae in distichlis
areas as ~~scarcely~~ mod common

C. hygroph ^{n. rare} ~~mod~~ in
distichlis areas & low adj
plants & grasses in marsh.

S. marquie 1 low pl & vines

S. brevic ♀ taken mod mos

S. tenuis 1 j

N. fasc 1 in distichlis area

Q. oliv 1, ^{mod} common thru marsh

All H

mosquitoes very bad

31
6572

6603

Same VIII, 25-

Arch latic in "cane" along
edge of marsh, mod common

6603
45

6648

VIII. 25.

31 Springhill, Mobile Co.

Ala. rather high clay
hills w sand topsoil - Forest
long leaf pines w occasional
oak & sweet gum, some
areas of low oaks and
some heavy oak forest:

H. rugosus very common
in short grasses in open
C. pelidna in great nos same
and comm thru pine forest

Arphia mod nos thru
pine forest

Pseudosericeus 1H beaten fr
low grasses in same

Scirt avarus occ small
colonies in sandy spots
in same.

P. ferestris occul through
sandy areas of same.

M. luridus occul thru same

Metell

Falcis R underg of ^{pine} forest

Cryptoptantil R beaten from
heavy bushes in heavy

oak forest

Duro admir, occul in pine forest

C. saltans few; under pine forest H

Qae heavy under of oak & pine R

● C. squamosus in great nos on ground through pine forest. H

H. brevif ^{occid} ~~same~~ same H

R. brevif ; occid same

A. occid ; common thru pine forest undergrowth

Sph bolli mod nos under oak in pine forest

H. phoenic 2 ♂ R under of pine forest

Mioq occid same & in short grasses of open. H

Mel scudderi H very scarce in oak shoots of pine forest.

A. apterum occid under of pine forest

Sc. pict furc ; occid near branch H

Sc c. latic 1 ♀ ; H in area of low oaks.

Nem. ambit ; very common, under pine forest

~~u of pine ? ; same H~~

A. annulipes under signs

● on oak

C. ~~diaphana~~ ^{70 5 ♀ same} all but 4 taken

C. latic 1 H under pine woods

Sch. alutae 1 ♀, 1 ♂, 1 ♀ in
area of low oaks.

A. uhleri 1 ♀ H underg in pine
forest near branch 1 ♀ large, R
underg in high part of pine forest

M. impiger? 1 ♂ 1 ♀ underg
in pine forest near branch
Stagnum car 1 ♂ 1 ♀ same

29

43

58

14

144

6648

6792

32 Mobile Ala. VIII. 26

Long leaf pine, flatwoods
heavy grasses; similar
open deforested areas

R. brevif ~~occasional~~ under
pine woods

Parox alt mod common
high ^{grasses}; somewhat damp
areas.

S. cuneata few in (typ?)
bushes same.

U. retusus few juv same
in tall grasses

U. alacris same.

C. glab everywhere common
in bushes & higher weeds

C. eleg common as Parox

S. car! same H

C. fasc few same

B. davis? ~~?~~ H in
grasses & deforested area

C. viridij occasional same

Arphia mod common "

Stipp rugosus frequent "

Sclt amerid " "

U. lurid occasional "

H. agit in (typ?) bushes
deforested area.

A. pelid very with mod nos
Diotilla juv occul on
ground grassy deforested area

Monot 1st H same

J. lat juv "

Acryd 1R in scab short
grasses in cl pine woods

J. coulou occul under
signs on long leaf pine

C. diap con occul

J. citr 18 H dusty road

Triop juv in short grasses
of deforested areas.

61

36

31

32

160

6792

6952

more 32a

33 St Elmo Ala VIII, 26

Young leaf pine flatwoods
damp black soil covered
w heavy grasses, ^{some} meadows
pitcher plants etc several
clusters of Nyctia and (tyty?)
bushes.

C. elegans common

Asphixia common

Merrillia mod "

Mel. luridus several

" redderi very scarce

P. alt. common

R. brevif. several

A. pilic. "

Pseudoscorpia 1 ♂ R 1 ♂ R

H. rugosus few

Pax obesa H had several j in
damp spot, and some in
heavy short grasses

H. brevif. 1 ♀ H in short grasses

B. davisii 1 ♂ 3 ♀ same

partic about (tyty?) bushes

J. lat. as Pax scarce

J. annata 3 1 j H " same

B. borealis v few in short grass

Ad. apt 1st in (type 3) bushes
in d. l. pine wds.

C. strict ovesul in grasses
in damp area.

Notul ovesul same

Numob fac. mod nos same

33

78

40

26

12

189

6952

7141

Irvington Ala VIII. 26

● Cypress depression in
long leaf pine flatwoods,
open swamp grasses in
shallow water.

C. milit mod common

C. elegans common there &
on damp ground among
swamp plants & grasses

P. obesa mod nos on damp
ground among swamp plants
& grasses

R. brev ~~occid~~ same.

Meris mod common in
grasses of depressed flatwoods

Manomera 2 ♀ same.

Buloc 2 ♀ R " "

Notell ~~occid~~ " "

Syrb few " "

Parot alt common in
grasses of damp area.

Mund ~~fas~~ mod nos same.

● Arple common as Meris

H. rugos few " "

Mioz 1 ♀ R " "

Thesp grace 1 ♀ R " "

S. lat mod no as Pavilla
A. glaberr mod comu
 in higher bushes & weeds
Brunu boreal 17 H in high
 weeds on deforested area
C. strict few damp area
A. aptum 18 ?
A. ubleri occul in grasses
 of damp area
Leptysma 1 juv swampy area

49
 68
 18
 12

 147
 7141

 7288

day total 496

32a Mobile Ala. VIII. 27

Heavy gum swamps with areas of high grass, Sagittaria?, cane & stools of trees.

C. nigripes occul and also in cane marsh H

C. ^{agily}bradleyi 2 ♂^H in fleshy weed & sagitt? in water

C. strictonevus 10 ♂ 2 ♀ H same
Stagnum car 1 ♀ H same

H. agit 1 ♀ H ^{10th R} same in ^{tree} aprunts

D. lineare ~~mod~~ common in cane, high weeds & cattails

S. cuneata few as bradleyi

P. florid mod common same

R. micr ~~10th R~~ edge of cane brake

J. marginic few in swamps

J. lat 2 R

J. spic 1 H " ✓

Tryx mod nos "

Morone few j "

C. spartuiae in low rushes

edge of cane brake 1 ♀ H

A. pulic R edge of marsh
a. exiq "

49
26
12
87
1288
1751

35 Flomaton Ala VIII. 28

Rolling sandy hills, some
l l pines, mixed same & oak,
wholly oak, depressions l l
pine wds w scant plants
& waste land grass underg
and many branches of gum
magnolia, bay etc.

C. brevif ^{short} comm in coarse, n
grasses in low l l pine woods

Conoc juv. few same

Beloe davisii? 1 j H "

Pyrrocorypha 1 j H "

Pseudonura 1 ♂ j R same, 1 ♀ H

scant grasses on oak covered
sandy hill

A. uhleri 1 R ^{A plants} grasses in opening
in branch.

A. f. carnata 1 ♂ R same

H. agit same

H. brevif H same as H Pseudonura

C. apterua few underg of
pine wds, common in
oak sprouts in oak wood.

U. luteus several in oak
sprouts on oak covered sandy hills

● M. strumosus 3♂ 1♀ H same
Estell's perillaeus few as
ubiquitous, mod nos in scant
plants on oak covered sandy
hillside.

Arphia mod nos three
pine & oak woods.

Prionidia locally small
nos in sandy spots in pine
& oak woods

Scirtet loc mod nos same

S. bolli very scarce in dead
oak leaves in oak woods.

Tryx mod ~~large~~ colony asubline

Thesph graeu v few in underg
of pine woods & oak woods

Monotettix rare on bare
ground in low pine woods

A. glaberr common in high
plants or low tree stools,
always singly, in low areas.

Sc cuneata R in low pine wds

● Sc fusc H same

● Sc c latic 1 ♀ H sandy oak wds

R. brevis few in underg pine wds

E. ruscata 1 H sandy drain.

Chort vivid 2 ♂ H short grass in ^{open}
A. milit 1 ♂ H short grass
 in boggy & l pine woods.
S. alutac oak shoots in
 sandy hillside ~~oak~~ woods
A. pulic 1 H as uhleri
C. squam 1 ~~H~~ as alutacea
Mottet 1 H as R. proipuum

58

38

26

22

144

7375

7519

+ 37

144

- 181

36 Ft Barrancas, Fla.

VIII-28. Wide expanse
of white sand w few beach
plants & grasses back of
this few l l pines then
sandy higher ground w
forest of water oaks, l l
pine, beach pine (Ew -)
& scant undergrowth.

On sandy areas -

J. citr occul H

S. marie one colony O Taber

Few grasses & weeds along
drain to beach

Q. concin & few H

Q. minor 1 ♀ H up in weed

Q. agile occul H

C. fast common

Sand area w scant
underg & occ l l pines

S. car 1 ♀ R

C. australior occul

Q. apterum "

C. antill " R

J. lat few

J. grave very few 1 H

m. fues gr davis asp mod
nos in dead leaves under
water oaks in forest bordering
stream, very active &
difficult to see. 26♂ 4♀ 14
C. aquat 14 ✓ same place

37
78

115
7519

7634

Env 8 *Ilex glabra*
" 9 *Conradina*
canescens (L. & B.)

37 Big Bayou near Pensacola, Fla. VIII, 28, 1915

Sandy area w narrow fringe of rushes on bayou - back of this l l pine woods with much wire grass, a few palmetto on higher ground and in depressions "brauds" of thick magnolia gum etc w a narrow bordering scrubby flanked by areas of tyty? bushes (Euo. 8)

Sandy area ^{open or scanty} wooded, w numerous low shrubs of which (Euo 9) abundant

J. gracilis under l l pine woods

C. glaberr H orcsul "

C. minor 1 ♀ R "

Mauouera 1 ♀ H "

C. concine H orcsul in rushes bordering bayou

Ceph alivacea common same

P. clavulig orcsul "

C. spartiuae 1 H very few in brief areas of Distichlis (same as before on trip) bordering rushes

H. agit few in shrubs
near Naumock

H. brevif same

S. fure 1♂R "

S. cuneata ^{mod} common " all H

S. l. curvic or few " "

Co pusillus loc mod nos
in rich veg bordering Naumock
in l l pine woods.

Co? n. sp. 1♂H in tyly (Ew?)
bushes of l l pine woods
bordering Naumock.

Mel. symm ^{3♂♀H 1♂♀R} n sp occasional
same & in adjoining rich
vegetation. The females
were easily captured being
found perched up in the
bushes, they made usually
no effort to escape. The
males, on the other hand
flew vigorously and
often hid so quickly
that they were hard
to locate, they however
seldom dove to the ground
they would usually have

been impossible to follow.

● M. strumosus 18 H in
wire grass of higher sandy
l l pine woods.

M. luridus j v few in
rich veg bordering Naumock
S. admir occul same.

C. pulid " "

S. pita open sandy areas
occasional colonies

M. puer gr davis n sp, few
in ^{dry} shrubbery of open
sandy area near shore.

Hesp prat 18 37 H 17 R same
partic in shrub (Ev 9).

C. eleg occul in damp
spots of pine wds under
near Naumock.

N. cubens H mod common
in sphagnum under rich
veg bordering Naumock

T. cita H few, open sandy area

● S. abatac very few on Episilla

● Notellix 1 H same

Biloc juo "

P. alt juo "

C. apterium mod common
here under pine woods
in nearby bushes.

C. scidj mod common under
of pine woods

Stegnom car very few same

C. aaltans 10 same; H same

Ambly florid 2 ♀ H 1 magnificent
color phase - rich vegetation
on edge of dammock

micror het; same

C. fasc v few same

35

52

45

19

26

177

Killed 1 copperhead

7634

7811

Same VIII. 29

Mel. ruginus n. sp. H 2♂ 3♀

Mel. strumousus mod common

through heavy wire grass
ground oak etc of flat higher
long leaf pine woods

Bracon borealis 1♀ higher

grasses in flat & pine woods

Aspilota very rare as strumousus

to? n. sp. 2♂ H gallberry tyty?

bushes in lower & pine woods

H. rugosus occurs as strumousus

H. sp. prat? sandy scrub

near bayou in bushy low

placet (Em?) 2♂ 1♀ H

Mel. davis n. sp. mod numerous

in scrub there, mostly juv.

Merm. alacris occurs as strumousus

very few as strumousus

C. antill 1♀ H as to? n. sp.

Neot 2R bare spots in pine woods

Mauoneera 2♀ 1H 1R as strumousus

Neoc. caud? 1♀ H same

Sc. tex mod nos PM

PM Amblye larger whitii 1♂ H

A. brevif as strumousus

P.M. VIII.29 high sandy
areas back of Pensacola
I.L. and small sand pine
underg scant grasses &
scant sand loving plants
very poor collecting.

H. prat 1♂1♀H, 2♀R

M. stamine occul

A. apt mod common

S. d. calid ✓ R

26	4th week total	1672
54	aver "	2012
50	daily total	287
36		
76		
<hr/>		
242		
7811		
<hr/>		
8053		

ENT 10.

Hypericum
fasciculatum Saus.

De Funiata Sps VIII. 30

Very gently rolling
sandy country, sparse
long leaf pine woods,
undergr heavy wire grass
dotted w ground & scrub
oak and gallberry thickets
toward depressions also
many water loving plants
pitcher plants etc - along
streams heavy bushy
growths - frequent clumps
of weed like bush (Euv. 10).
Se strig occur in this bush
(Euv 10) all taken by beating
4♂ 1♀ R 2♂ 1♀ H long time.
coloration blends perfectly.
In gall berry bush areas
M. neboradi P ads all H
in restricted area - all up
in bushes, an inactive
insect.

P: all common there
few also in clump spots
Apt sphen is the same
very few both places

A. acid few; there & in
wire grass of pine woods.

Sc. cuneata few in gallberry
clumps. H

Sc. tessis 1♂ H in low
boggy wire grass & marsh
plants.

B. pusillus one large
colony there in restricted area

P. obscura few there

J. lat " " "

J. prorsa occid " partic
on borders of bushy stream
courses.

noe caud 1♀ H in higher
grasses & plants in boggy
spot

B. davis 1j♀ 2j♂ H same

M. strum 1♂ H in wire grass
near oak shoots in dry sandy
L.L. pine woods.

To pus occid everywhere
in wire grass

C. elegans same but
partic in damp spots

J. gramine 1 H gallberry spot.

117
25
25
50
51
56
24
39
61
118
36
41
18
28
37
608

Stagn car wire grass

numob cub H' fu in

sphagnum in wire grass
bordering stream thickset

J. drop \sqrt{H} same

Anax fulv very fu in
wire grass & moisture loving
plants in damp spots.

Syrb adu occul in wire gr

Chort aust same in
dry situations

Arp lia same

Po juest loc. & common
in sandy spots

J. citr mod nos in
sandy spots

S m fulv occul same

H. agit 1 H beatu (Eub 10)

high bush in streambed

Aison supr 18 19 H same

Mamomura 19 H in wire grass

C. brevif oc in veg

along stream

Neoc ret j along edge
of stream in grasses

Neotett sandy dry wire

Living
in l l pine woods &
near border of lake
short wing.

Homotell 2 ♀ R, H. Sandy
soil covered w wire grass
bordering decay spot.

C. plicat common in wire grass
Cich milit occurs in
same in wet spots

C. glab common esp
in gallberry thickets

Adout apt occurs same
Musob ambit very few
in wire grass of pine woods

Sec 1 R beaten in decay spot

Parox florid H few in heavy
veg of stream course.

P. M.

Border of extensive sink
Lake. Long leaf
pine woods, very sandy
w underg of wire grass
and much oak shoots
and dwarf oak.

Mt. davis n sp. mod
common partic in very

sandy areas.

● Lo? n sp common in oak shoots. A truly ^{R 11 ♀} thamnophilous species not rapid in movements but jumping powerfully - clings tenaciously to the oak leaves often hiding on their underside when approached. 2 color phases in the immature condition

M. strumosus occasional partic in very sandy areas

Neuroc 1 ♂ 2 ♀ H 1 ♀ R oak shoots

N. r. crepit 1 ♂ H " "

Heep brevif 1 ♀ H " "

Hapit brevif occasul " "

Edout apterum " " "

Sch alutacea ✓ " "

Arphia few in underg

Syrb adae common "

In fringe of thick bushes

& trees along water

● S. vitreif occasul

In grasses growing out of water -

Merula alba mod common
in wire grass

To pusillus same

Beloe juno mod common in
oak shoots.

I. marginic common in
grasses growing out of
water in lake - all H

A. latic mod nos same ^{all H}

A. bradleyi all 20 29 H same

but one large colony -
majority in water too
deep to wade. Song
a rising and falling
whirring without the
harsh note of the song
of the species such as
latic nigrip vulg etc nor
the chattering sounds.

8053	
608	largest
<hr/>	<hr/>
8661	day
	<hr/>

18
25
41
92
16
37
27
256

39 River junction Fla.

viii. 31. River forest heavy

buck, victory, oak, magnolia
etc, bare underneath with
scant plants - hills lowest
covered w clay & sand, sh-l
pines on lower slopes, l l
on higher, scant grasses
& plants everywhere.

C. diaphana large colony
under one sign on oak.

A. brevis & feed in under
lower slopes of mixed forest

N. credit everywhere
common in leaves & on
ground

N. fasc woodl type mud nos
in dead leaves on almost
bare ground under heavy
decid forest in stream
bottoms

M. guerneus? occul

same. all but 2 ♀ H

● All americ one colony
& 1 spec same particularly
about tree shoots in damp
all H spots

Uttigidea occid. in
bare places w dead
leaves near stream.

D. viridis short grasses in
same general environment
M. scudderii in low plants

& grasses on edge of pine
clad slopes, very common
locally, generally occid

Arphia occid in pine wds

Mercuria fed in l & l pine ^{wds}

Amelita uhleri 1 same
others in stream bottom

A. florid in veg of stream
bottom

Spk. bolli fed in leaves
under oaks

Spk. c. w. jones all H fed in
sandy l & l pine hilltop

P. forest occ sandy place

Sirtet very fed same

Short ant common
in waste fields.

Sch dave calid TR on
lower slopes in l & l pine
forest undergrowth

- M. leucid occul in
pine wds about oaks
- M. fr. prop occ waste fields
- M. procerus 1R, 2H in damp
sandy area of decid ravine
forest among scant plants
- Neotett fumoral w few in
pine woods underg 1 large
♀ waste field on hilltop
- tot pusill scarce but in
underg of decid ravine
forest & same of both
sh 1 & 1 pine forest.
- R. brevif ; common in
underg of pine forest
- P. all lush veg in str bottom
- S. gramineis 1j R same
- M. retinere 1♀ H ^{scant veget in}
- P. uncinata 1j♀ H ^{lush veg in}
- A. sphaerac mod nos same
- Isch 1j H ^{under bark pine log}
- Orph ubiquitous mod nos
- A. ocid underg pine forest
- Sc texensis 1♂ H underg
of open pine woods
- Neoc troops H ^{lush vegetat}
^{in stream bottom}

Biloe 1/2 H lush veg in
high open l l pine woods

N. retusum as tufts

A. apterum common in underg
of all woods;

N. carol 2 ft as wood fasciatu

J. citr sandy road. H.

8661

256

8917

Em 10 Hypericum
fasciculatum Sans.

40 Grand Ridge, Fla. IX. 1

Muddy rolling country
of l. l. pine woods, underg
wire grass & ocsul oak sprouts.
Depressions small cuts
holes & scant streams
without trees or with
cypress clumps, clumps of
bush (Euo 10) surrounding
cuts and bordering str.

Sc. strig (♂♂ 14 ♀ H) in bush
no 10 perched usually in
tops of same - often many
bushes examined w no results
Manonera (1♂ 2 ♀ H) all beaten
from same bush.

Stagne carol 2 ♀ H same

C. brevis 1 ♀ R in grasses in
low spot.

C. militare ocsul same

Sc. leucis few

Sch alut H underg l. l. pine woods

Mel lurid H same

Arphia R near low ground

Pavilla low marsh ^(much) grasses

& plants edge of sink hole

I. armata all H bare gr
in thick cypress swamp
depression.

Motett few in grasses in
low spots (greenish suff) &
in underg of pine wds (pale or
mottled)

Eo pusillus grasses edge
of sink

R. glaberr 1 H same

R. brevis 1 H underg of pine wds

C. guttifer as Eo

nonot H bare ground under
few cypresses in depression

N. fasc 10³ H marsh grasses
in & about sink hole

16

24

22

35

56

12

165

8917

9082

41 Chattahoochee Fla 1x.1

Heavy cypress swamps
on shore of Appalachian
River - sandy soil with
drifts of rotten leaves

N. fusc. woodl occul

N. car juv

T. lat 1 juv

C. trigonip 1 ♀

on bare sandy edge
of river in open

Parattix roylei new

coll. H

9082

14

9096

Write labels

~~23~~

42 Woodville Fla IX-1
Flatwoods long leaf
pine w mod scant
wire grasses, bare
sandy soil, frequent
clumps of both dwarf
and sprouts of other oaks
Such holes bordered
by some marsh boggy
plants but not heavily
so.

- Etett like M. audd (H22♂ 22♀)
common in oak sprouts
- Thesp. florid (7♂ 7♀ H) few
in both oak sprouts and
scant grasses
- Uel impudic (2♀ H) very
scarce in same loc
- Apt aptera (1♂ 1♀ 2j H) scarce
in oak shoots
- Apt. spheer a few in underg
of pine woods, common
in richer veg about such
- R. micr few, underg l & pine f
- H. rugosus a few same
- Sc near pic few same sandier
spots

(H13♂ 12♀)

● Mel stegoc in ~~very~~ sandy
l l pine forest partic
near charred timber, in
grasses & near oak sprouts
Mel rotundip? few there
in very sandy spots & in
sandy areas of lower
l l pine forest near sink
(H4♂ 6♀)

S. alutac a few in oak
shoots.

Syrb adue few, under l l pines
Chort anstr same

O. pulid common same

S. d. calid 1 same

nonot all the sandy soil about
sink mod common

D. pusillus all h. same in
slender grasses.

Ellipes great nos as nonot.

motet dry ground about
sink, common.

● Thush # 1R under p. wds
Maiden few in same

H. brevif very few in oak shoots

Synum mod 1R 1H same

C. trigonif 12R oak shoots
R. brevif occ l l pine woods
undergr, js.

Lo pusillus in slender
wire grasses of sandy
l l pine woods, mod
numbers

Arch minor 12R under l l pine
wds. Is heard in l l pines, taken

Beloe occ j l l pine wds

Arch. nictit 12R H plants on
margin of sink hole

A. large uhleri few in l l pine wds

Meris alae mod nos, same

A. apterum common same part ^{under} woods

Conoc salt rare same 12H

41	322
35	28
42	20
48	<hr/>
51	370
47	9096

~~43~~ 9466 550 for
day -
~~21~~
~~36~~

322

Pirip. brucea Tallahassee

Fla IX. 1 in hotel 1H

Jallahassee Fla 12.2

Pond bordered by arrow weed & lotos then marsh grasses & waste field. At one end swampy deciduous woods w very heavy area of grasses & bushes.

S. vitreip mod, mos in arrow weed, all H & H

A. bradleyi ; common abt few in arrow weed & lotos growing in 3 ft or more of water all H

Sch obscure waste field weeds occul

Sch americ abdt ~~abund~~ O Takun

D. viridis mod common same

M. l propinqu very " "

C. australior few "

Conoc fasc occul, marsh grasses

Biloc subapt few in

heavy swampy grasses & bushes

Conoc retusus occul

Conoc brevif common occul

Neoc triops 1 ♂ it same

Atl Parox all 1 R "

Parox florid 1 R "

Hill crest covered with heavy forest chiefly great water oaks under which scant plants & dead leaves, few pines (Euo II), coarse grasses & bushes, sumach etc

Atl gibbosus 1 ♂ R other it on dead leaves partic near small bushes etc under water oaks.

Arct minor 1 ♂ it under pine sh d (Euo II, cone)

Ne. herid common under there

Arphia same partic in open sph crest mod nos in open spots there in coarse grass th. brevif. few in under

C d calid a couple same and same in waste field

Spit apleene few there & mod nos in lux woods

in field & wood near
pond.

Neotett H margin of pond

Scudd. furc. hilltop woods

Scudd. cuneata 3 swampy "

Amblyc. H hilltop woods

Sph. bolli few under same

Leptogidea H swampy wood

P. pulchellus common in shrubbery
of swampy lowland forest.

C. squame few under of upland
water oak forest. H

A. saltat 1; H same

16

29

49

17

26

43

60

240

9466

9706

44 Carrabelle Fla. IX. 2

Sand dunes heavily covered
with aremicolous shrubs
and bushes, some scrubby
pine (Quercus ^{pa}) (St Barrancas)
& various scrubby oaks.

Sph. crepit 20' 17' H under
scrubby oaks, all in one place

Wasp nest? Three very low
scrub plant no 9 and in
one place 5 taken from one
bunch of oak shoots not 1

ft high. R 10' 17', others H

Q. latic beaten from large
area of bushes (no 10) H

Scler alut brown ocs three
scrub, striped in damps
spots of same

S. citr common sandy
areas of scant grasses

Uel Davis m op? mod nos
in low sandy scrub. H

Lo? 10' H same in oak
shoots.

Cryptop beaten same scrub

N. auribit three this area ^{common}

H. brevif. H very few three
low bushes of scrub.

H. agit R bushes 5 ft high

R. brevif. j H mod nos in
grasses under pines.

Synura mod 1 1/2 ft beaten
from Myrica cerifera in scrub.

Doubly occid j H as Radiotat.

Cyclopt squame sandy scrub
on ground.

Leptogone 1 1/2 ft in grasses of
marshy spot in dunes.

J. lateralis open sandy spot
in scrub.

~~C. lutea
Neocattula sp? 1 1/2 ft~~

~~Beaten from heavy scrub
in bottom spot.~~

Droc saltat 1 or 2 j H sandy scrub

Novot H 1 ad 1 j same.

37
53

90
9706

9796

Cliftonia monophylla
(Lam.)

Same IX. 3 AM. sandy
flats much as dunes of
previous day, but long
leaf pines - Areas of deep
bush (Euc 13) fringing
swampy areas - sometimes
of grasses + lilies or with
occasional cypresses, other
bush (Euc 12) on outer
edges of such areas with
fine short marsh grasses
A few marsh plants
between. *Ilex glabra* +
Ilex aquifolium in marsh *I. lucida*
bordering area, usually
in bushes 2 or 3 ft high (Euc
12 and sometimes Euc
13) ^{on outer margin of dune} one scattered colony
only, encountered.
Hap. brevifolium occurs same
in shrubby low plants
of sandy flat land.
Sph. crepit as yesterday
but on flat land.
Hesp. floridensis in low
oak shoots same. H.

C. Aulea ✓ R. later from back

~~Cyrtopogon~~ trigynus later from bushes above swampy area.

Arche milit in marshy grasses & plants on edge of swampy areas. R 17 1/2

D. pusillus mod common same.

D. myrtifolia
Littig proorsa R 1 small colony same

Paros atl occul same.

Leptogama ^H on ^{outer} border of same

Atl gibbosus ^H in bushes same

Conoc. brevif. 1 R in same

C. lutea bist. bush (Euo 13)

A. sphaeroides fu as militare

A. aptera mod as everywhere in scrub of sandy flat.

R. brevif. occul as militare

Murru. raris very fu same

Lo? mel the redderi H very fu in oak low (Euo 14).

Stagmone 17 1/2 as militare

Peloc. raris 18 R same.

Mauonera fu in scrub grasses between shrubs & sandy flats.

Amblytropid occ as militare

20
40
27
50
137
9796
9933

Same IX.3. P.M. Tidal salt
marsh of Juncus (sw 15)
mod fine under foot, growth
dense.

Conoc nigropleuroides ^{all H.} quite
common, large, ♀ ovipositor
weakly upcurved toward apex

Conoc spartiacae mod nos H

Orph olivacea few H

Tidal salt marsh outer
border Spartina 1 foot high
very boggy, growth mod
dense.

Conoc nigropleuroides ⁴⁴⁰ mod
nos, smaller, ♀ ovipositor
weakly bisigmoid, subrect.

Conoc spartiacae mod nos
more freq macropterous.

Orch fidicina ^H quite common

Sufts of Juncus (sw 15)
about bushes beyond
limits of all but except
tides.

Conoc nigralis scarce

Sen obscura mod
nos there

● ~~Crypt autil R~~ in bushes
there

See 4 punct R same

Arch concinnus occ as argyalus
C. elegans same just emerged have
no face markings

44a is the series of C.
nigroplicuroides taken in
spartina. 5♂, 10♀.

44a 15 ✓

44 28

42 ✓

30

20

135

9933

10068

2 specimens

after hurricane

1 S. d. calid ♀

1 Stagcar ♀

10070

Color notes argyalus much
clearer lighter green than others

fidicinum very pale green A
a soiled sea green - not

brilliant -

● C. spartinae pale straw
colored, individuals not
infrequent.

Sopchoppy, Fla. IX. 4 -
wire grass & gallberry
bushes of l.l. pine woods

- 1 Aspilota granulata few
- 1 Apt. aphidivora
- 1 C. elegans

10073

Write
label

45 Bainbridge Da IX. 5

J. l. pine woods, gently rolling, sandy soil, scant grasses & plants.

Areas of oak - chiefly white oak, some red, water & blackjack oak.

"Braids" of heavy dead trees ground almost bare black mounds, little moss.

Mel quereus occurs in tree shoots bordering braids same in shoots in dead lay covered areas under water oaks near lake, local scattered colonies.

Mel fr propinqu common in waste fields.

Mel lurid and common throughout l l pine also oak for

Mel carneg? (Tallahassee Co?)

Common in oak shoots

in oak forest occurs in higher areas of l l pines

Mel struce rare, underg of l l pine woods, low areas only

Mel scap mod nos in ^{sandy}
oak shoots in oak forest
local, very local same in
sandy l l pine woods, low
& high.

Apt aftera ~~occid~~ in oak
shoots of oak forest.

Apt sphaer ~~fw~~ in underg
of l l pine woods near branch.

To pusillus loc mod nos
in grasses among oak
shoots in oak woods, few
underg l l pine woods.

Arphia common oak + pine

Rom micr 10⁺ ~~FR~~ underg l l
pine woods

Sph bolli loc mod, common
dead leaves under water oak

Hipp rug 3⁺ ~~FR~~ underg oak wds.

Sph crist all H sandy
waste field areas & sandy
l l pine woods ~~occid~~.

Prunid forest very
common sandy waste
field & sandy lakeshore.

Surt m. picta ~~occid~~ in

50 15 30 45 52 42 32 33 36 30 41 19 20 36 21 | 692

● sandy pine wds & waste field.

Meru alax occul underg pine & oak woods partic grassier areas.

Thesp florid 1♂H, 1♂2♀R oak shoots in oak forest.

Hap. brevif mod common same - ads + juv = nos.

Symu modesta 1♂1♀R same

Aueby uhleri same

Aueby uhleri gr pale ctib same

Syrb aduier occul, oak wds underg

R. brevif juv occul oak + pine in "

Dich viridis mod nos coarse grass bordering branch.

Sch alutacea common in oak shoots of oak forest, mod nos underg l l pine wds

Sch. laur calid mod nos oak shoots in oak forest.

Acex vitt 1♀H underg l l pine wds

● Adout apt common same oak

Pelat jno border of branch & in oak shoots of forest - few
Del delicate 2♀H oak shoots forest

Aec latif 1R scant oak
shoots in l l pine wds bordering branch
Scudd e latif few in oak
shoots of oak forest.

Sc cuneata 1; th edge of branch

Sc furcata 1; th same

Pavilla obesa all th colony
in coarse grass on ^{sandy} dry
sandy ground bordering branch!

Crypt trigonis few, oak shoots
in oak woods.

Cydopt squam few on ground in
l l pine forest undergr.

T. later 1 th coarse short grass
bordering lake

T. chubby small bare ground,
in dense branch forest all th

T. arcuata 1? all th same

H. crist short coarse grass bordering
branch H.

Motell very few under l l pine wds

Apydium as T. arcuata

Short auct. common as T. lat

A. pelidua ubiquitous

A. occidentalis 1 ad, 1 oocul

oak shoots in oak woods

1 few under l l pine wds

Crat ~~diaph~~ under sign
on water oak.

C. pallens 1 j H underg in oak woods
musob ambit common three
underg of pine & oak woods
mus cubus H bare much in branches

10073
622

10695 largest day

5th week total 2642 largest week
aver " " 2139
daily average 305

45a same IX. 6 Flint river
 bottoms - Soft oak forests
 scarcely any undergrowth
Little smaller lat few
Corydalis scarce.
 Long leaf pine forest with
 scant plants, grasses & vines
Diaplex 3♂ H
Stagm 1♂ R
 Har agit & shrubbery there
Acc latif R undergr " "
 Heavy weeds etc in open.
Arch agile common
Arch latif 2♂ H
Sch obscura 1♂ H
Neoc retusus juv H
Sudd cuneata H

51
 35

 86
 10695

 10781

Dothan Ala 18.6.

Long leaf pine woods, low area, rich soil covered with thick lush grasses, many groups of gallberry bushes, brambles etc.

Aligonyx 2 j H this underg.

F. hebaridi 1 ♀ H same

A. veigua few same

A. pulic 1 ♂ 2 ♀ H same 1 loc

M. ambit 1 j H same

C. saltans ad few j common ^{else}

Aspilota 3 ♀ H same

Phyllosc very ^{1 ♀ H} few same

Hap. agit vines ^{1 ♀ H} along branch ^{There}

Hap. brevif few in underg pine wds ^{2 ♂ 1 ♀ H}

Rad. brevif j occ. in underg of tree pine

Clio. elg common in damp spots in lush underg of l & c pine wds.

Pax obesa all H v. scarce same

J. prossa " " few " "

J. lat few in underg l & c pine wds

B. subapt all seen taken, in lush underg of l & c pine wds partly in gall berry bushes

S. laeva called ocaul as Aligonyx

Amblytr j few as Oligoneux
Ac 4 punct weeds in l l pine wds
Parot att mod common in
 bush underg of l l pine wds.
M. luvideus v scarce same
Synb aduier occas " "
Crypte pelid ubiquitous
Chort 1 j H underg of dry pine wds
Synum mod 1 ♀ H gallberry bushes same
Sch americ on l l pine wds
Mancouera 1 ♀ H as Oligoneux
To pusillus mod common same
~~Apt spum~~ wds rare j occas same
Mel att very common in cultivated
 fields.
I. citr sandy road.
Proi nitens occas as Oligoneux
Amblyorypha v few same
Adouto apt occas " "
Sc c latii 1 ♀ H " "
Sc purc few " "
Sc cuneata v few " "
Conoc brevif few in rich veg near branch

49
 39
 46
 65
 41

 240
 10781

11021

● Same 18.7 hills covered w.
l.l pine, oaks (chiefly red oak)
 Hickory etc. Soil loamy

Thesprotia 2 R

Mel stummosus widely scattered
colony in dead leaves oak
shoots & low plants.

Mel impudicus 1 ♀ H

Sirt 1 R open woods, sandy.

Eph. bolli juv in dead leaves in woods

Eph. woyce small colony in
sandy opening in woods & sandier

Tri citr common in sandy field

Dea " "

Bch. obsc 1 ♀ same Not taken

Crat diaph under sign on red oak

Isot j mod ~~was under~~ ^{at sign} l. pine bark

Quelb util 1 ♀ see next

Sc pure juv ads three sand

30

45

9

84

11021

11105

47 Montgomery Ala. IX-8

*River bottom land -
marshy weedy flat fields
very lush -

P. florid great nos
M. scudd mod nos,
common in wood borders,
occasional under right & loc woods
Trepz brevic common
in wettest spots.

Arch agile scarce

Arch glab common here
also & common in
raspberry tangles on higher
ground.

H. brevis occasional in grasses
partic ab l. pine woods

*Heavy. grass, meadow
* Bay swamp.

J. armata very few in
dead leaves

N. cor mod common same

N. wood fasc occasional,
1 large colony, same

H. agit occasional " "

A. exigua local " "

~~7/5~~
5/5

● Lich j ~~mod~~ nos under
 bark of sh l pine
A. occid juv j as R. brevif
Arct. vulg 1 ♂ lush grass
 on edge of swamp
Arct. latic occul in
 vines & lush midng of swamp
 All H

* P.M. park like forest of
 sh l pine & small cone
 pine (cone kept), summit
 of ridge, coarse alond
 grasses, areas of weeds
 (Eur 16) and of shrubs
 & rapid vines.

Arctia (1 ♀ H) there in coarse ^{grassy}
Arctia few underg of these wds
Diaph (sad ♂ H) all in rapid
 & shrubby tangles there
Crypt trigouif H same (1 am
 in swamp vines & shrubbery

● Decid tex in lush grass of
 low field & underg of high ^{pine} trees
Sc. fusc same
Sc. cuneata j former loc.
Conoc. brevif former loc.

Amblyc 1H heavy about ^{high} dead forest
C. salt few in worse grass pine park
Lepturaea 1H as C. agile
Pyrgocory few juv in underg
of pine park.

Adout apt few ad. same
Caenopyla juv in low field
in weeds in A.M. mod
noo (all seen taken) in area
of weed apt high (Ew 16) in
pine wds park in P.M.
Thick oak chestnut in
decid woods, thicket
undergr.

Oec latip # beaten there &
in underg of pine park

S. bolli 1H

T. citr common in open
fields.

Mel. leucoides occ pine park
Mel. fr. propice great nos
cett fields

Scl. obs 1 underg park pine
1 seen bush lowland weed

34

52

43

27

30

41

227

11105

Ambrosia
artemisiifolia
11332

48 Selma Ala. IX. 9. 1915

#1, heavy deciduous (sweet gum, hickory, oak, beech) forest in bottom - leaves dead hardly any undergr - weedy areas adjacent.

#2 Short leaf pine upland forest few gums & oaks, undergr annuals, gum & oak shoots low bushy plants & coarse grasses.

S. alutacea 1/4 H forest condition #2

S. aceris common weedy open

S. obs. a few (all H) same

S. d. calid 10 H low pine, undergr

J. citr few, sandy road. H.

Asplia occul forest condit #2

M. lurid same

M. f. propinqu a common weedy open

Campylo mod no same ^{wood} #2

M. succd common weedy open

& undergr lowland & old wds.

Diaple fucos (1/4 H) occul ^{wood} cond #2

Symb advice few undergr wood.

D. ch. viridis few, occul ^{wood} undergr cond #2

R. brevif few grassy edge of lowland ^{wood}

A. pilid few woodl underg
H. brevif few woodl #1, underg
 common woodl #2 "
Auax exig few woodl #1, underg
P. pulchellus few " #1 "
muu woodl fasc abundant loc.
 in obovis in dead leaves woodl #1
muu fasc 1; H mod nos ^{of muu} alt grass
Acc. latijvata shoots woodl #2
Microc 1 ♂ R underg " "
Acrozoux 1 ♀ R " " "
Am florid car 1 ♂ 1 ♀ H same
Couoc brevif few same, common
 grassy borders woodl #1.
Acc glab common grass ^{& besides border} woodl #1
Acc agile or few same
Acc vulg occul same
Acc latic few bushes ^{woodl #1} ~~trunc~~
Couoc strictus mod common grass
 border woodl #1
Couoc salt or few; same &
 coarse grasses wd #2
J. lat 1 beside stream in
 open or almost bare gr
Caraltt same mod.
 common all H

nestlet 1H underg woodl #2

S. like lat very few in bare ground woodl #1

Aerydium occul same

Dec. mo? 1j H underg woodl #2

Nun audit of few same

C. trigonif. occul sweet gum shoots & vines woodl #2,

lawet gum shoots woodl #1.

Sc. fure. occul woodl underg & high grass & sumaki in open lowland.

Sc. melata same, loc partic abundant in latter site.

E. minuta few as I. lat.

S.c. tuesis few as Sc fure.

Audl whl 10H underg sh & pieces lowland, 1j H same site #2

Staq car underg woodl 2 ^{# high weeds} lowland

Dec 4 punct lowl open weeds

C. squame few among needles on ground sh & piece woods

Disos car com in dusty places

11	29	28	42	33	26	44	68	281	11332
----	----	----	----	----	----	----	----	-----	-------

11613

~~49~~

49 viridiana Miss 1X-10
Short grass on bare hills

M. flex-a common
M. attenuis "
H. rugosus "

Chort. vir. mod common.
Pyrroc one 1 ♂ weeds there
C. fasc mod common same
marshy areas in bottom
Jayx bred loc common

A. glab in all high ^{woods &} bushes
A. agile 1 ♂ H same

Acc 4 punct as C. fasc
wooded hills of oak, sweet
gum, tulip tree & oaks sh
L. pines -

In rather open areas, ground
scarcely clothed w partridge
berry, small plants & vines

M. tepidus 1 ♂ H
M. quern gr 1 ♂ 1 ♀ H 1 ♀ R
Alig 1 ♂ 1 ♀ H 1 ♀ R
alt 1 ♂ 2 ♀ H

In non-manicured tangles
in wood stream bed
C. brevis common.

R brevis as tipides but partic^{course}

~~H~~ about in areas of grasses

a. occid j comm 10[♂] as tipides

Arphia 1 ♀ H same

Num woodl fasc comm in leaves there

Hap occul same

Diaph occul underg of these wds

Ps fusc sandy area on bare

hilltop H.

Miog a few as tipides

Cycl squam mod nos in pine

needles & oak leaves of these woods.

Anax occul in lush plants

in stream bottom. all H

N. nit 1 ♀ same R

Cumblyc 1 ♀ R same

27

47

22

39

135

11613

11748

50 Hattiesburg Miss TX-11
 Sl rolling rather open
 ll pine forest, underg
 much slender grasses, some
 oak sprouts & Nyctia.
S. alut loc comm in oak sprouts
Syadmir occ underg these wds
Arphia occasional same
R. brevif mod nos j " "
Hes graue 2 j H " "
Pseudoserice 30^R R " "
Haf agit 1 ♀ H " "
Mel lurid occas " "
N. auribit 2 j only " "
C. salt j mod nos, few ads " "
Alu eleg higher grasses in
 damp depressions, open
Schletter occas same
Arde nictit 10^R few j " "
Coues strict occas " "
Arde glab mod comm ^{in higher}
^{woods, same}
Felt Cat H few same
Neotitb 10 few ^{more open spots}
^{in these woods}
Parox alt occas as Clinoceph
Neoc triops few j. same
Stagmone few underg pine wds

S. citreus dusty road H

C. virid along short grass in
open, 1; underg pine wds. all H
Mel. querc. gr. ♂♂ 77 H, 2♂ 4♀ R in
high heavy decid forest red
oaks, tulip trees, no gums, few
sh. l. pines - flooding river
area - ground dead leaves
w very little partridge berry
some grape & raspberry vines
deep shade. 195 ¹⁹⁹³ Jardus bonus ^{line 2 in l.} " " " 3. "

Mel. tepidus 19 H same.

M. acrid very few same
and occul in nearby sh. l.
pine underg.

D. viridis very few as tepidus
Couci brevif. same.

Tett. like lat H very scarce
in dead leaves, these woods.

Mur. woodl. fasc. loc common same
Microc. H 1; underg scant, there

Acydium R 1 as tett. like lat

C. diaph. 2 H under sign sweet gum

Isle j. H " " sh. l. pines
woods tepidus
Arce. salt H 1♂ grape vine 1♀ leaves on ground

28
45
40
40
30
192
1718
11940
11940

51 Jackson Mills IX. 12

A.M. RAH-#1 Pasture lowlands
of short coarse grass, groves
of oak little undergr.

#2 Hills with sh l pine and
few oaks, rather dense
underbrush, blackjack & red
oak w areas of thick grasses

Acid glab very few undergr #2.

A. vulg common clumps #1

A. nigrij few in flags along stream

Conoc. strict common low pasture

C. fasc occasional same

C. brevif same as in lush clumps

C. saltans few in grassy pine woods

Neoc. mealy few also as C. brevif

Diaph oak shoots & undergr #2

Pseudos 10H grasses in pine woods

M. saedl few in secret undergr

of oak groves #1, occasional, oak shoots
in sh l pine woods #2.

M. lucidus very few both same

M. fr prop common meadow

M. atl mod nos same

M. differential 10H weeds same

A. julinea few undergr #2

- Cyperus western & common
- short grass meadowland
- C. viridif colonies same
- H. rugosus common " "
- S. admir. mod " " "
- Asplia mod common, oak scrub #2
- A. crydium very few, bare ground
- in oak groves near stream.
- Neotell H or scarce, sh grass meadow
- J. lat mod nos same
- P. pulch 1 R vines near stream
- H. ajit occasl same & dead ^{these} leaves
- R. brevif j mod nos, grasses cond #2
- E. minuta mod " sandy str bed.
- Aeox exig H plants " " "
- Pyrroc rare, plants in thicket near
- stream & in underg sh l pine wds
- A. fasc. meadowland grasses

81
 25
 57
 84

 247
 11940

 12187

very spelling

IX-12-1915 H.

5/8 across River from Jackson
Strickton, Rankin Co. Miss.

#1

IX.12. Dense river swamp forest
decid, ground bare w few
weeds and areas of coarse
swamp grass (Ew. 17) #2 slightly
higher ground sh leaf pine oak
etc heavy underg ferns, grape
& other vines, cane etc.

Arydium mod nos bare gr #1

Littigaria mod comm same
partic in areas grass (Ew 17)

Litt lat grasses edge swamp

Litt ilse lat underg #2 few

Mel. quer gr mod nos both

#1 and partic #2 gr distributed

Mel saedd underg #2 mod comm

Querc woodf fasc comm same

Crypt trig rare same

Cycl squam common same

Sp bolli 17 oak leaves There

Anax exigua mod nos in ^{wet} _{site} #1

Croch v few same

Pyrge jousub same

Moc palustris in grass
(Ew. 17) site #1 few

H. agit mod nos underg^{#1 & #2}

Mucob car v few sites #1

Dick verid occul sites^{#1 & #2}

Amblyc obl 17 weeds, edge of swamp.

Arch nigrip common same, few in grasses (Eud 17) in dry swamp

Arch vulg in weeds edge of swamp

Muc. triops 10⁺ sites #1

Muc. retusus 10⁺ same

Conoc. brevif mod nos^{#1 and #2}

Stag car dark 7 sites^{#1} others^{#2}

M. differential 1 weeds edge of swamp

Scind cuneata common, underg^{#2}

Hipp mg very common in dry short grasses in open.

C. viridif common same.

6th walk total 1678
aver - " 2062
daily aver 294

30

101

20

23

12

186

12187

12373

Homalocenchrus
lenticularis



52 Natchez, Miss. Sept 13, 1915.

(R.) In flood-plain of Mississippi River, elevated about ten feet above present stage of water, banks breaking off sheer to water. Old fields with tangles of berry vines and wild grape vines, much fennel-like weed, in spots closely grazed, no marsh land at all. All species seen taken. Paratittix scarce along steep river banks.

Alphulilla pl. & other sp. in pasture land.

Dichrom. 1♀ in same.

Syrphula scarce in thickets & weeds.

Chutop. virid. Scarce in pasture - adults & nymphs.

Trinotrop. citrina

Abundant in sandy road.

Mel. diff. Common

" afl. Several

" fennel-rubrum. Abund.

Scutellaria curv. One
taken in tall weeds.

Uchul. vulgare. Numerous
in weeds & tangles. No

♀ seen. Note paired long
♀ vent. abd. legs of purplest.

U. nigripes. less numer.
than vulgare in similar
situations.

Acrom. retusous. One
♀ beaten from low tangle.

Croc. fasc. Everywhere
in weeds & tangles.

Nemob. fasc. under heavy
tangles.

N. other sp. On weeds.

Anaxipha pul. Beaten
from berry tangles.

Hapithus. Several beaten
from tangles.

Crematichus sp. Abundant
everywhere.

44
26
17
87

52 (continued) P.M.

In mixed low oak
& pine ^{with some} woods on hills
east of city. Small
glades of tall grass &
low tangles interspersed
through the woods. Highest
point near Hatchery.

All species seen taken.

Small roach (Cecatioptria?)
beaten from low oak
& pine. 1 ♀ beaten from fringe
of Heapher. a Pseudosermyla
beaten from oak & pine.

Uttigidea Lat. swept from
ground.

Syrhula adm. in grasses &
tangles.

Aph. pelid. In all situations.

Aph.

Amblyt. occid. In grass &
tangles. Nymphs abundant -
but one adult seen - taken.

Aphia sp. Numerous in
open areas.

Hippiscus ryosus Sev.

in open areas.
Mel. Scudder, Trin. in wood
Scudder Tex. Sev. in ^{along edge} scrub & grasses. (Trin.)

Scudderia fusc. More in
scrub - particularly
note one in brown
phase.

Amblyco. uhleri 1 ♀ beaten
from grass - small type.

Atlant. amer. 1 ♂ - hopping
on dead oak leaves in
dense low woods - diligent
search failed to reveal
others.

Archel. glab. Common
in tall grasses & woods
in openings.

Cnuc. strictus, Whitto.

" brwip. A number
in similar situation
Cn. saltans In openings ^{adults} few

Oecanthus lat. Both
sexes beaten from oak
& 1 taken from grasses.

Cec. quadric. Beaten
from grasses.

Cryptopt. Beaten from
oak.

Phylliscept. pulch. Beaten
from oak in sweet fern.

38
27
9
41
115

52 (continued) Sept. 14, 1915.

In heavy forest of oak
(several species), hickory
and bay, with some
cedar. Tall trees on
slopes of ravine in bluff
formation. At bottom
tangles, with stagnant
water course.

Neotettix & Tettigidea
in bottom of ravine -
former on bare ground,
latter in vines.

Dichromorpha. Only
species on slopes, in
dead leaves, etc.

~~Mel. quernens type. In
fair numbers in tangles
of berry bushes and
ground vines at base
of slopes.~~

Pseudoceria caucata In
bushes on slopes & at base
of same.

Amblyc. uhleri In bushes
at foot of slope.

Neocm. triops 1 juv. ♀
in bushes at bottom of slope.

Conec. brevipes

Everywhere - common

Conec. strictus in

tall grass in opening
in woods.

Ellipes swept from
bare ground (damp)
in bottom of ravine.

Hapithes Everywhere

38
13
—
51

53. Brookhaven, Miss.
Sept. 15, 1915. (R.) ^{9th} In
second growth oak & short-
leaf pine woods, with
occasional old long-leaf
pine towering over it.
Little scrub, much grass,
little ^{or no} wire grass, few absolutely
bare spots. No wet spots at
all.

Pseudomyzale 1 ♂ beaten
from tall grass.

Neotettix scarce in grass -
on bare spots.

Nemotettix juv. numerous, adults
scarce, everywhere.

Paxilla & swept from grasses. One
other seen escaped.

Tettigidea Scarce swept

Syrphula Scarce in brush - tall
grasses.

Orphulella prat. As usual,
everywhere.

Amblytropidia juv. abdt. adult
scarce, everywhere.

Arphia, Common.

Hipp. rufosus Numerous.

Mel. scudderii Common in
brush.

Mel. luridus Scarce in
bush.

Mel. quercus like. 1 ♀
all seen ~~take~~ in grass.

Neom. retusus swept
from grasses

Neom. triops 1 juv. ♀ swept
from bush.

Conoceph. brevip. Scarce -
swept.

Cono. strictus. Numerous
in grass.

Con. saltans juv. numerous -
Adont. apt. Numerous in
bush & grasses.

Hapith. agit. Numerous in
bush.

Alcaethes juv. swept from
bush.

P.M. In tall short-leaf
pine, oak & sweet gum woods
with heavy scrub undergrowth
over most of the surface.
very poor. Also bed of
dry brook and trees -
bushes along same.

Tettig. do all taken on
dry bed of brook - swept.
Uphulella prat. in both
situations - all green
one from grass near
brook bed.

Amblytropidia. juv in
woods.

Radiostachya juv. in woods.

Hippiscus rug. In grass
near brook bed.

Trin. citrinea In road.

Spharag. bolli. In open
bare spot in woods.

Mel. scudderii In woodland
bush.

Cnuc. saltan. juv. in
woodland bush.

Archel. minor. 18 beaten
from oak scrub under
pine. Cryptopt. beaten from

Cyrtix. columbiana 1 beaten
from trees along brook bed.

Phyllosc. pulchellus. Beaten
from sweet gum bush
along stream bed.

Hapithus In woodland
bush Ellipes Stream bed.

59
36
58
19
172

54 ~~Brecknot~~

Breckwidge,
Livingston Parish, La.
Sept. 16, 1915. (R.)

In virgin forest of long-
leaf pine, similar in
general character to flat
woods of Ga., but no wire
grass, instead ordinary
types of grass. No

gall-berry bushes, but
some little oak scrub. A
dry branch examined,
but it produced nothing.

Pseudosemyle 2 ♂ swept
from grass.

Stagmo. car. 1 juv. swept from
grasses.

Acotettix few. Scarce in grass
& on bare spots.

Paxilla 2 ♀, all seen,
swept from bare spots

Zettig. prorsa Scarce -
swept from grasses

Zettig. lat. type. Common
everywhere.

Syrphula adu. In grasses.
Cephusella pelid. Numerous,
generally ditto.

Chiron. elegans Seldom
in tall grasses.

Amblyt. oce. juv. only -
juv. ditto.

Radiostatura ditto - ditto.

Auphia few.

Mel. luridus In bare spots.

" scudderii Not common.

As much fallen timber
parry. ad. 18 swept from grasses

Chech. militare blue pair
in tall grass - not a damp
situation.

Cnec. strictus Numerous
in grasses

Cnec. saltans ditto.

Juv. predominating.

~~Cnec.~~

Cnec. retusus a
few - some nymphs -
in grasses.

Neurob. fasc. socius 19
supt from grasses.

Hapithus supt from
grasses.

Archais 13. ditto

Had no legs when
seen.

Elcanthus sp. juv.
supt from grasses.

46	52	22	120
			—
			120

55 Vicksburg Miss. HIX. 13

Waltersville - 2 mi N.

River delta few trees, rank
vegetation -

Arch vulg great numbers

Arch nigrip rank veget, vines

& marsh grasses in sloughs -

mil fuc and comm. cult. fields

qu. differential comm. as Arch vulg.

Chort virid loc colonies in alt grasses

Arph westere comm " " "

Arph pilos mod nos, gramin ^{wet}

Hipp usq few cultivated fields

S. cilr 1 dusty road

D. car large nos " "

A. exigua grasses near slough

P. pulch 1 shrubbery " "

Paratett comm ^{wet} bare ground edge
of slough

Ellypus minuta mod comm same

Tridact 2 same.

Symb few in rank woods

Succd same

C. fasc comm same

C. brevif few, veg edge of slough

28

41

53

122

56 Delta La IX. 13. 1915

River delta - much weedy
open, heavy forest of
poplar & sycamore,
dense willow river swamp.

C. vulg common rank weeds, open
Arct. nigris vine tangled bordering woods

C. fasc common, as vulg.

Parot clad mod nos, underg forest-

M. scudderi 1 ♂ same

M. fusc a common, as vulg

M. differentialis, mod common, same

Syrph adue fusc, same

Aph westm common silt grass on levee

Chort virid, loc common, same

J. lat scant veg bordering swamp

Aryd ground in forest & edge of "

Parot common, bare ground " " "

Anax exig mod nos forest underg

Neu fasc those taken are from leaves
in heavy bottom forest. usual

M. ubensis common loc, same

Proclaris 1, same.

E. minuta wet bare soil, riveride

Styphlus ground, leaves in forest

D. virid usual in forest underg

32

88

120

Humd 242

57 Armielle Miss IX. 14

Cotton fields

M. alb common

Sch aur numerous \circ Taken

Sch obsc few; weeds, tall; There

Chort occul short grass

L. citr dusty road, \circ Taken

D. car common same

A. vulg common in weeds

Heavy deciduous bayou forest,

underg rank veget, vines etc,

some cane brake.

D. virid occ in bayou forest

P. puber 1 same

Onax exig few seen there

Umob fasc few in dead leaves

Littig mar bare ground ^{on trail} there

Acryd nauf

Hapite few in underg, only of cane brake

Mel robust gr $1\frac{1}{2}$ σ underg bayou forest.

Mel acudd gr 1σ underg, very

heavy bordering bayou forest

M. retusus 1σ grasses in ditches

in open

A. whit loc numerous in low

weeds in trail in bayou forest

S. acudd pur occul in weeds

bordering bayou forest.

A. rugosus few in cotton, \circ taken

P. clavel few underg bayou forest

30

31

61 Hand 303

57a same. Slough
 filled w lofty cypress,
 surrounded by almost
 impenetrable thicket vines
 & bushes, within among cypress
 ground heavily covered plant #18
 In this plant (Erv 18)

~~Scudg m. sp. all but 1 ♂ taken
 fly rapidly & are active in
 their movements - when at
 rest on this plant & motionless
 are virtually invisible -~~

~~m. diff few large spec. there
 Parot claw common same
 smaller than a m?~~

~~Stag ear mod mod for sp ^{large}
 Arch vulg very few there ^{not}~~

~~Arch nigripes common same~~

~~Arch pallator 1 "~~

~~Couc brevif few "~~

~~M. troijs 1 ♂ 1 ♀ "~~

~~M. palustris 1 ♂ 1 ♀ "~~

~~m. scudd gr few same & in
 dense bordering thicket~~

~~Polygonum ²² punctatum
²⁹
¹⁹
¹²
 Ell.~~

~~82~~

Hand 385

58 Winona Miss IX. 15

Hills covered w heavy
decid forest, a few sh l pieces,
thick low shrubby areas
of trifol? and honeysuckle
N. triops occul in area
btw hills in forest, ground
in low honeysuckle vines
N. retusus 1 or 2 once 1 green, grasses
in town.

Camp carol 1 ♀ in honeys. as Triops
Atlanta 1 ♂ once 1 ♀ dead leaves
under scrub on forested hillside
Mel. tepidus small colony as Triops
Mel. scudd occ. thru woodland
underg; in wedy forest margin
occul P.M. about underg of slough forest
Mel. lurid 2 ♀ only, wedy forest margin
Mel. atl. comm cult fields
Drosot. car. " dusty places
Trin. citr. mod comm dusty lowland
Arct. vulg. comm lowland &
neglected weeds in open
Arct. glab. mod nos lowland
weeds along ditch
Arct. nigrip. mod nos thru

slough forest underg and
a few up in the trees fifteen
ft from ground

Arche minor? colour near
strid to vigorously in ^{taulog} ~~vine~~
tangle in slough 20-30 ft above
ground, 0 taken.

C. brevis occ underg. slough
forest, a few same hill forest.

Amblyc obl. 1 ♀ as u. tropis
Sple. bolli a few in dead leaves
of hillside forest

Arphia 1, weedy border of
hillside forest.

Sudd. pers. occul., underg
hillside forest.

Sudd. cuneata same

Diaph. 1 ♂ mod nos same,
partic in oats sprouts.

Dec. latip. 3 ♀ " " same

Amblyc. uleri underg hill forest

Symb. adm. grasses near slough

Acrot. viridij short grasses, open

Tryx. brevis grasses bordering slough
Aerydium very few, bare ground
in slough forest.

Anax exig same, in scrub plants

N. carolinus same

N. fasciatus 1 ♀ "

H. agit same & same upland forest undergrowth.

Crochalis 1 ♂ 1 ♀ beaten from vines on tree in slough forest

Ae. nio? beaten from oak shoots, upland forest.

C. strict 1 ♂ grasses bordering slough, only one seen.

19
32
51

102 Hand 487

59 Memphis, Tenn. IX. 16. 1925

Stacy river swamp - Trees
sweet gum cottonwood etc
medium scant; patches of low
lush weedy plants and ^{patches of} swampy
coarse grasses

Orde nigrip mod nos in
lush weedy plants there & in
vines along border, same in
p.m. in clumps of cat-tails
about a pond. See note below

Orde vulg mod nos weeds in open
bono fase same

Couso brevif occul in patches
of lush weedy plants in swamp.

Quax exig mod common same

Tetb arua few same and
dark wet bare ground there

J. like lat 10th latter loc.

J. lat 17 widely field

Mel fusa common same

Mel scudd mod nos same,

mod comm in tangles of low

noisy vines bordering up forest

Mel robust very few as

C. brevifumis, 10th 17 ^{low ground} upland

heavy decid forest, medium

many low shoots a little coarse
grass

Mel differentialis mod nos
 heavy weeds in lowland open
Aerydium very few as T. aruata
Neoc palustris 10¹ 27 patches
 of worse low swamp grasses
 in dense decid swamp.
Neoc triops 10¹ same.
Amblyc obl 17 pieces on edge
 of swamp.
Asphixia 1 colony on edge
 of heavy upland decid forest
Dec latip 10¹ 17 long beating
 in tree shoots of same forest
Dec scarcer sp 17 same as N. palustris
Mucob cub as T. aruata few
Mucob fax same occur
Syrb few in grasses edge of forest
Hipp rug open weedy field
H. agit mod, common, swamp, weedy

20
 30
 65

 115

note - as in other
 sp of the genus I
 found the head
 coloring of nigrip
 not present in
 recently emerged
 adults - note of
 Fabres here.

Trip total 13515

35

37

13552

Ent.

- 1 Opelika Ala.
- 2 Spanish Fort, La.
- 3 Sabine, Tex.

- 4 " "
- 5 " "
- 6 " "

7 Virginia Point, Tex.

- 2 { 8 Ft. Barrancas, Fla.
- 9 Pensacola, Fla. gallberry Ilex glabra

10 De Funiac Sp. Fla. Hypoxicum fasciculatum ^{1/2 tall}

11 Tallahassee, Fla. ^{away}

12 Carrabelle, Fla. gallberry Ilex glabra

13 " " Ilex lucida ^{3' 2'}

14 " " Quercus myrtifolia ^{Willd.}

15 " "

16 Montgomery, Ala. ambrosia artemisiifolia ^{2'}

17 near Jackson, Miss. Homalocenchrus lenticularis ^(Willd.)

18 Greenville, Miss. Polygonum punctatum Ell.

19

20

Catch 1
Tras



York Village Me IX. 3. '20
Leuthophilus 7. On
underside of cellar door.

mt. Agamenticus Me.
IX. 5. '20. 500 ft. elevation
M. punctulatus 7. on
white pine saplings -
some on sunny side of
trunks, a few out on
branches and in terminal
needle clusters.

Whiteface N. H.
IX. 8. '20

Sc. pistillata 16ⁿ in house
in A. M.

Sph. bolli 1. Few in
dead leaves on edge
of field

Sp. collare? 1 On
eroded granitic grade
slope of open hillside
among raspberry &
scant grasses.

York Village, Me. 18.8.20
Noc. ensiger mod freq
singing vigorously in
meadow grasses in
afternoon sunshine.
Active & very shy.