1913


1. johnsonii a few under damp dead leaves on edge of forest.

2. pennsylvanica 1 ft. (1 m?) under oak on white oak

Motleta severnata occasional in low grasses on upper rolling ground.

3. heterolepis (is any) on same pit.

4. lateralis occurs on high ground in damp spots & along edge of river also.

5. cicubatus scarce along edge of stream near river Stafford Co.

6. cernuum ads & on in equal area locally common in scant grasses sandy spot or meadow, Stafford Co.
S. adecaus micr. occurs -
10" in wet high grasses
upland depression
I. brevis
grew in 2's
same site
D. veridis common in
weedy places
A. speciosa fairly abt
widely dist n over upland
esp in short grasses
A. paniculata locally
common in tall wet grasses
in upland and also in
serpentine-like site - poor
soil. Hill Paarriets
A. sulphurea 1 st in
serpentine-like site
Arpadia common in
juice woods
A. rugosa common
in upland. Short grass
A. plecoz fairly common
in serpent-like poor land
Choir, white, scarce in uplands and ads.

European cordite is not only in high upland grasses.

D. Carolina is not scarce in dusty places.

S. bolle common in oak & cedar woods in summit.

Frit carmina is seen in short grasses.

M. all over in weedy farm and seen as sweeper.

In mountain, seen in upland and occur on poor ground.

Sandhill is seen over me in pasture land.

Amble 17 m in boxes in wood.
A. vulgaris 10' in corner of meadowland near woods.
A. bracteata 10' not common
A. jacea common
A. pulchella 10' only
A. wardii taken in tall weeds along river
A. vulgaris in ovens
A. jacea in warm atts scarce
N. mac 10' in damp leaves in & along border of woods
N. high ground but in Athean near
N. confusa 15' new in fairly common as above
N. eur. not scarce in banks of streams in woods.
P. fulva 15' in weeds. Stafford Co.
C. exigua 15' common
in weeds along streams
in woods along rivex
A. saltator no common
in woods veget
H. agitator scarce
Aec. 4. met orece
esp. more weeds.
A. latipennis 2 ms in
weeds in corner of
field near woods.
I. americanus occasional
among grasses on sandy
soil near edge of ote
Stafford Co.
S. apecalis scarce
Stafford Co.

297 specimens
43 species.
July 21.

N. genoratis scarce in low grasses in open on Southwest Mountain.

S. lateralis Scarce in low meadows.

S. adunea Also scarce in open on low meadows and grasses.

D. viridis as before.

A. sulphurea Also scarce in occasional woodland.

A. xanthopy Thm scarce.

H. Phoenic very scarce in open on hill N of town.

C. carinthia 2 mos in open on Southwest Mt.

C. conopera 1 m in forest of Chestnut on Southwest Mt.
C. vividly runs & acts
occurs in short grass
on hills esp.
D. can be grown before
S. bolti. Occurs in under
of woods on hills
M. all fairly common in
cultivated fields
N. the is long and 9
10 see & numerous [?]

in undergrowth in
chestnut forest on Southwest
mountains.

Amphis coccineus & acts
scarce its last species -
Amphis large 17 in the
under of woods on hill
N. of town
one not noticed 17 in under

in chestnut forest on
Southwest Ohio.

U. maculatus no scarce
in leaves, as East of Soe.
A dorsalis (Large hail sp.) scarce in dead leaves and scattered green undergrowth of shrub woods on southwest hills.

A. near prachyan (smaller yellow bethicn sp.) locally not scarce, elsewhere very scarce - same loc as last sp.

\( \text{C. pallidior name as near}\)  
\( \text{H. agitator } \)  
\( \text{C. catipennis } \)

Campto carolensis beats us usually from low herbage.

\( 297 + 100 = 397 \)

I. americana I seen and told in tall weeds along RR
3 Lynchburg, Va. July 22

S. lateralis in sweeping
in upland grassy field.

S. adenariae as at Orange
a sulphurea 1 & in grasses
near oak woods on hilltop
a xanthin fuscus in upland
grassy fields.

H. phoenicea 18 scarce &
H. magiocy
E. canescens & as fairly common
G. geleella frequent ads
C. versicolor is scarce as & common
D. carolinensis common dust
S. bolbi & tabula as colony
seen in border oak woods
S. amsctera fixed about weed
M. sibi 1 & as occurred in oak
woods woodland
M. jeene 1 & as occurring
upland grasses
M. alt. occurred in cultivation
tall, gross, foul
where others are few, others
gross, foul

397 + 39 = 436

3. diversa all from vender signs on red rails— as about as common as all the smallest & is longest leg. only taken from vender sign on short-leaf pine—

1. latéralis common in grasses in sunny spots

near alabaster on edge of woods

N. bust [signature]

3. adaequus [not legible] same

R. xanthe [not legible] few as on edge of woods if dry leaves—

3. brevica [not legible] as 3. adaequus

R. mierdas in wetter places

R. pellicula in grasses in pine woods.

R. phoeetic [not legible] few in field or bush woods.
3. Bulle in underg of pine & oak woods
5. Wyoming as few in low weedy field
C. fine in good size colony in sandy bare spot in field.
D. citrus occurs in sandy almost bare area in field & on windsandy road.
E. all coming in cultiv.
F. feeds a few in grasses in wet place near woods.
G. burdocks 16 underg of pine woods
H. as sande occur
I. oblongf. feed in grasses & low bundles in wet place near woods.
one in green bunch 7
under in pine woods

Bird feed as in grasses & low bushes in boggy spot in woods.

N. caroliniae no more scarce as above.

S. nebradoli feed as above
A. virginiensis 28 (1 lost) after long beating, scarce.

C. saltat 1 m in
under in pine woods
Aec. saltat feed as same
H. agit 1 m in boggy spot near woods

C. tregonis 18 m in under
of many oak woods

Parv. florid. feed as &
as in boggy spot near

wood

Sarcostria 1 m under pine

woods

436 + 164 = 600
5 Weldon Hallifax Co. N.C. 
July 24.

I divisa re scarce under 
signs on trees.

2 lateralis near streams in 
underg of woodry forest.

neoflora scarce in scant 
plants & grasses edge of

pine woods.

V. rose? air scarce air?

S. admirans ads fairly 
reach in low green bushes 
& grasses.

D. virid. few scarce 1 in 
underg of pine woods.

C. pelid. occurs but places

H. phoenice a very few but

H. nigretus in fields near 
woods a very few

C. viridifl a few scarce

D. car dus usual.

S. bolli fairly common 
in underg of pine woods
a few in deciduous woods. A forest or few in cold—sandy spot on edge of scattered pines. I: cili. One on dry, along road in sandy spot. A sulphurea 1 in low green heath. Stigma cory. 1 m in under in heavy forest near streams.

M. all fine, as usual. M. devils 18" in scattered woods of low pines & oaks under buckthorn & other sand loving bushes. M. near streams on 24, 18" I+ same site after long search.

M. leased? no same not seen elsewhere.

Danedaria 2+ same.
A. oblongis scarce in slow muddy bushes near forest.
B. uhleri scarce.

A. puddlebell frog in green undergrowth of heavy forest near stream.
A. exigua 2 ns same at same spot.
B. sellator a few in same place.
A. agil a few ns scarce also in green undergrowth near forest.
B. catfish in in undergrowth of low grade woods.
M. carol (in along site in heavy forest.)
C. M. back to low woods -
where Neil and C. op. was
taken - 2 were worked res.
27 27 all in same area.
7100 f.t. - The species
is wary but guides
constantly so that by
careful approach and
guarding is the best
several were easily
picked up - Not a
vigorously jumper -
Sel alnifera 10 f. there
a number of Neil.
and 10 1 1 1 A. sublasi
6 Goldsboro N. C. July 25

3. Major 1 & 2 under barks or dead shr leaf pine string

3. *internal* 2 & under debris in shr leaf pine needles

3. Later scarce in wet

weedy spots in shr & pines

CHROMA. Scarce on sandy

gr. in recent weig in shr & pine woody

NEOTETITAS (smooth along

ege of shr & pine woods

in under & grasses

Acred scarce as neotetitae

S admir. scarce in

Grass in shr & pine wood

in viridi fircle abed

same place

A. pendula scarce, free

N. phosphoric scarce in
Grasses on edge of pines & bobolinks scarce under 
sh b. Juice woods.

A. xanth. no occur. scarce 
A. vulgar. few in green 
grasses & weeds in shady 
shades in sh b. Juice woods 
P. pub. (few as rare) 
E. caniana / scarce 

A. saltat. few as scarce 
A. later. mod. scarce 
A. agit. few as scarce 
F. nevad. few in 
grasses growing under scattered growth of sh 
leaf pines. 
C. elegans (striped green 
not the scarce)

A. pectin. (?) scarce 
in near water. secretive 
leaves of few decidu 
trees in sh b. Juice forest 

704 + 116 = 820
7 Enniscoe \hspace{1cm} N.C. \hspace{1cm} July 26.

I later a few among scant short grassy veg growing on marshy almost sterile clayey ground. Meditata (rough carnation) occasional - same.

Sib. Dick C. Fair & S. Kelly
Ms. A. Knibbe. M. several allaying as usual, meae.

Ms. is of ap near cornega?
not un commence in clox.
grass on edges of fount.

I. marantia in same site.
Alavicus dornis (?) in leaves allaying grasen.
in dead forest & small colony only found.
Leptza maritima for common in abovage spot.

except with woman seen.
Necot macul 2 as w.

Necot jase large on typical 2 marsh grasses near marsh, use on typical of forest undergr.

Captella is convserv.

H. agit no bedel in forest undergr.

E. competes a few w Motetw.

\[
820 - 919 \\
704 + 99 = 803
\]
8 Charlotte N.C. July 27

I had in general about damp places in & near woods occur.
Acrophylls occur on wet clay along branches in juicy woods.

M. species. The nearest growth of wild strawberries & other low plants & large oaks, grape vines etc. - no grasses & and bare ground, with all mosses taken -

M. cardenigr. a few 1/2 yd. no source salin but partic on edge of woods in 1st years
M. macul no a few source as M. devises
M. carol. few on along
streams in forest.

Sand-dria hot scarce
among tufts of very green
grass growing over debris
areas in tall ohl juice
woods.

A. pulga & xanth. botte
ends in these woods
S. botell caseul caseul

Carnscare 1 1/2 grown
beaten from wild
grape vines on ground
in these woods.

# pleoccia 1 in caseul
woods.

Stagnus no caseul place
I divisa ams on white &
red saws & other decid
fruit wetter reque.

2 major 17 under
sign on red oaks
squid viscase in woods

919 + 104 = 1023 N.C. 423
Va. 600
Diely in small bunch of grass in bare and near edge of field. Phyllose beater from green herb growing in pine forest (in leaf).
Meeuwina no place as Diely
Scientific name 2 mo on
black jack
oaks.

Pine grew there also

10. About alpiner there but not taken.
Schistoc alpinger edge
of old hay pine woods
trigone beater of
pulverc.
C. squamosa was very abet
in long leaf pine forest among needles.
Across creek west under board under 1 leaf pieces.

Corks, Clagett, step over 2 higher crocuses in field near pine woods.

I cut off a red colored rose found on sandy soil. Will suddenly get one in short underground (chiefly oak sprouts) in area of black jack oaks. M. ah in other species in under of short bay pine forest on edge of swamp.

\[ 1023 + 81 = 1104 \]
nearby waste land of short grasses (green - brown) free in sandy scrub oak tract.

Some adult and occasional mule more near waste land of short grasses

Mecoc alderes had

now occurred in waste land of short grasses

now no more near grass

in sandy scrub oak area,

Eriocottus carinis also several

in grasses near pine woods

Centipede gracilisata (?)

free in waste land of short grasses

of my regard grasses

its plastic flow in sandy scrub oak area.
Sph. connexa 1 at auee
M. sertulata 1 at 1 m
acree
D. carol. general Occal
T. citrin (?) 7 m as peela
Sph. obscure 1? at high weeds at corner
of cotton field.
S. alcata 1? in high
bushes along drain
near pine woods.
M. retrociq in grasses
in waste land & in
sandy scrub oak area
few.
M. strach (?) fairly
common in sandy
scrub oak area
M. careeg 92 1? at 2
ms common in scrub
oak sprouts, auee.
II Macon Ga. July 30-'31

I dropped 2 I. umbellaria.
- A umbelliferous plant
- Deciduous on edge of oak
- all deep pine woods.

I C. lebnea. It there also
- bud escaped.

C. squarrosa. It there a few.

In the high grass.
- In edge of pines woods.

Campylopus 1st. as abed.

L. Seeligeriana. 2nd.
- Sub adult. abstraction.

S. Lucerne. 3rd.

S. Alcea. 4th. u. 3rd.

A plectrum. Fully adult.

The 2nd. of the pines.

In under oak and oak
- young. 2 A leaf there;

L. A utilis. 2 Buddleia.
M. propinquus occurs and M. attenuis 10" in the tall heavy bunch grass. M. canceg (?) and lessul part about tall shoots in under of the pine forest.

M. vanuelenas in Breve from high bunch grass along edge of woods.
H. myg same place.
A. grassed in these woods.

R. brong 12" & a very few in bunch grass along edge of same woods, as in woods also.

1294 + 144 = 1443
Same loc. next day—
1 adult M. carensiae in
oak shoots & other plants
in under of sh. leaf pine
woods—ns were adult
and a series apparently
all of this species were
taken.

M. tribulosa | 7 Taken
among oak throns
and a tangle of
other plants & trees
in needing of pine wood
some of the ns were
above were taken here
best it appears hardly
probable that they
belong in this—
Pine Pag. 2ns Taken
ns on side
Kewstett | 2 Taken

or among Pine needles on
side.
The site was on bare washed reddish clayey ground. Canebrake appeared to be dense everywhere in the thick grasses by the edges of the woods at idle hour.

\[
\begin{align*}
1443 + 78 &= 1541 \\
\frac{149}{2+7}
\end{align*}
\]
12 Albany N.Y. Aug 1.

2. annulata under sign on oak.
3. diversa 1 ft. under sign on I leaf pine.
3. subterranea 1 ft. out - Talley same.

C. lutea 1 ft. under needles in I leaf pine woods.

Alleghany 1 ft. under in I leaf pine woods beating little but were pass there.

1. grandiceps 1 ft. same

Stagnus lar on common

usual under in I leaf pine woods, few in teak

vegetation along river.

Cory's biscuits no common

locally in high area

along river.

Diaph. 2 ft. no common.
1. Lab-ora in undergr in firew woods esp in more moist loc.

2. Next af very scarce in undergr of firew woods where some low marsh loving plants r apparent.

3. Mtetl in sandy spots in undergr of firew woods.

4. Mtetl on limestone eroded sand and sand bars on edge of fiest river.

5. Breeze very few in undergr of firew woods.

6. Alalis 3 ads no occur.

7. Didug overlooks occasional damp spots.

8. Alalis freq under firew woods.

9. Alalis ads about equal to_freq ads under firew woods.
AllInWindinginPinewoodsinmoistbutnot
swampyplaces,
M. scudd (?) as usual
winding Pine-woods.
M. proper adult in
fields.
M. trib p. (?) few as
in heavy winding in
pine woods near river.
M. Hudson. (?) as usual
winding Pine woods.
A. specul (noun) as
a few square as round.
P. attract 0 & few ms
near
Scudd same 27.
Scudd large very
few winding Pine
woods.
When we come under Quin woods...

Dr. Holmes under sign on long leaf pine.
Dr. Aubuson on Quin grasses (not taken)

E. regina long 31
Under mosquito bar
in bed room.

F. Ribardi 18 reedy
along edge of river.

C. traiomii commu
in tangle of osseal
bushes and wires
along river.

Phylloco phleb (?)
acree.

Acc 4 greec? 2 und? 1
Pine woods
Hapist jus no
as Phyllcoc.
She little greeen
Xine is niek lego
HAS been observed not uncommon here in the woods as well as at Macon, Augusta and Columbia in like situations — I think it very probably due as yet undescribed species.

Winding of taken 1911.

$1541 + 286 = 1827$
M. atlanticus, cult.  
M. lurid (?). 

occurs in mixed oak & pine woods.  
P. florid.  as P. laticlados.  
K. jack pine.  
A. rotundif (?). in weeds  
& vines low spots in oak  
& pine woods.  
A. vulgaris (?). as as  
J. laticlados.  
K. scribus.  
K. carolinensis  
& in oak leaves in pine  
woods. 
A. mires in pine  
woods.  
A. bellio very gilliet  
in mixed woods &  
Oak. and pine.  
A. 4 to 5 tips, few in  
in oak scrub in oak  
woods.
$1827 + 84(?) = 1911$
granite slopes where only areas of lichens were to be found. The sp was plentiful about the base of the trees where these bare rock surfaces were first encountered. In areas of rock fragments near the adjacent brush grass grew on and ascended further the sp was found less numerous becoming quite infrequent upon the bare rock areas in the pine woods but at the scree next where large bare rock areas occupy the
The greater portion of the surface of the sky was again found in cloudless. The flight of the species is distinctive - taking wing with great rapidity; they fly very low for a short distance but evince great swiftness and often have to be approached a number of times before it is possible to secure within striking distance. Only once was there a slight account by any sound - this sound being a faint whirring resembling that of a breeze. It's indice of the western I. cyaniceps.
The granite surfaces were for the greater part retained to a blackish tined color. The majority of specimens were of this coloration, a few were lighter, matching the pale areas of rock surf while others were mottled with greenish and these exactly matched the lichens.

A mile or so bare granite surf near mouth of inlet.

Mr. J. T. placed me at fairly sheltered the frequent areas of broom and grass on rocks.
Acrylic
N. Caroliniae in bog at foot of slope with Juniperus
S. Rubens on edge of same in pine woods
C. Triginta 25th beetle from top of wood in under of pine woods
C. Aquatilis in same
Sand 2. Under of pine woods
D. Carol common along dirty road as usual

2085 + 64 = 2149
16 Jocoa M.a. Aug. 5.

- Ambly snail, occurs in grasses
  amid vases & vases in
  clearing.

- 4 larger & scant
  meander of Kinnaberry bush
  in dense forest or pine
  openings.

- S. Tolkien occurs in meander
  of oak woods.

- Pine is in grasses
  & vines & vases in
  along edge of woods.

- S. Caucasus is widely distribute
  there meander in forest-
  M. Alaska is m. as Ambly snail.

- M. Cameron everywhere in
  meander of forests & other
  other meander - to abundant
  & me. predominate yet.

- M. limited occurs there meander
  of forest.
H. R. H. no. above as om.

Anomaly.
A: supr

A. reed.

A. of seashore everywhere
A. occurred no apparent ice
A. leaves.

A. acc. to service -
A. met. I as quickly can
A. read forest -
cycle - cause 1868 +
Dec 4, 1917, 1st Name

Happlies: I'm due next
undercut amount.

Sandia晚年 in other
her order. neglect top to
lower align.

Arthritic hence

147 + =

Such grass of

Affreurs or
Biotellis on bare spots in wood and clearings.
Cryptography beaten from script.
Alcathous Beaten from script.
Nemol. in words on edge of same.
Epitheta in words.
Cyclops. Beaten in words.
2149 + 43 = 2192
19. Sharp Mountain (acc. to local authority - the same called Sharp. Top Mt by Morse - on fig. charts. The latter name is used locally round about - to the eastward.) near Jasper, Pickens Co., Ga. Alt. barometric 1800 - 2000 ft. Aug. 6, 1913.
Edge of old field and R. Pheasantfeather.

Remainder all in undergrowth in wood on bare ground - rocks under mixed deciduous - coniferous forest in steep slope. Much sumac, sand blackberry - oak brush. Shaggy brush at edge of woods.
Melancholy he believes this seen - all taken very local.
M. Carnegie Most numerous genera. Fairly well distrib. in woods.
M. complete. All seen taken.
M. luridus. All seen taken.

Olea Thes. Beetin.

2192 + 37 = 2229
Aug. 7, 1913.

Valleys entirely cultivated -

Hill slopes to mature. 3½ m. very dry, burnt off in large
part - etry. Very poor.

Buffon 

parrag. 

Ditto. Myope: 20 x !

Sphagnum 

beaten.

Sphagnum will be seen 

but not taken.

Heaviest, steep road.

Melanopl. fructus. Clavus.


M. Tribulus. nymphal ditto. M. campestris

(? ) ditto.

Adenotephrhis linear.

By flat ground. Not other seen 
in slope but escaped.
Nepenthis Beaten in flat and
Dorantha Beaten on slopes.

2229 + 15 = 2244
21. Warm Springs, Marin, California

Aug. 9-10, 1913.

In pine - oak woods on slope of Pine Mt (really only a hill), timber low, with an occasional long-leaf pine, undergrowth low, much blackberry — "brazen"-like plant, frequently much burned.

Stump:

[Illegible text]

Amidst, Beaten - taken from low oaks, etc., much infected with mines - Aphy. mame.

Aphidae x. Uncertain.

Neppis. One taken all seen.


[Illegible text]
words undergrowth. Mel. Carnegie. In fair
numbers, few adult & M. Ameri-like &. Scarce.
M. Curidius - Scarce. Deer - Sick. Only mean.
Taken - Beaver.
Scudder &. Only 4 &. Taken - no other seen.
Cyclops. Uncommon.
Cyclops, Scarce - beak.

Same loc. same loc. Afternoon
Aug. 10, 1903.
Campy Cae. nymph in woods in abandoned road in same
woods. Syrneta n. ditto.
Oligorach remaining one,
found in woods. Ambly.
beaten from nest. Stagnant
ditto.

2224 + 115 = 2339
22. Ashley Junction,
Charleston Co., S. C.
Aug. 15, 1913.

In long-leaf pine woods,
must with dry wire grass
"bracken-like" undergrowth
several areas of true brack
needles, grasses (depressed
more moist) and
several spots almost
bare except for short
grass.

Stagnant. Everywhere in under-
from the, minute. Insectile
other hirudinids in the
bare spots. Mummia al.
mi in tall brush - all
men. Ophiura not
particularly common.

adult - nymph. Chion
cephalus scarce in wet
spots. Amblypterus nymphs.
not uncommon in North Carolina. Only seldom seen in dry woods, more taken. Petrolia: one nymph on sand, Phleistria one very small nymph, Otto. Phleistria obscura-like sp. Abundant in all situations, females not as numerous as males. Striped of dark colored inc. Often in woods. Also in wet spots. Only male pair were both striped. Hypophora nymphal only. But numerous in wet areas. Mr. Sullivan in dry woods, search. M. deanei: like in area of short grass, no barn, only symptoms

Ecanthus. Captain & Mrs. Charies numerous in dry words. almost all my speech.

\[ 2339 + 133 = 2472 \]
23. Isle of Palms, Charleston Co., S. C. Aug. 15, 1913

The brush on the island is scattered in the hollows of fair sized dunes and consists of bay berry, a sort of whist oaks, beaks and more rarely palmetto. No saw palmetto was noticed and there is no hammerchord land. Much sea oats grown among between the dunes. Search failed to reveal any Drepanotropis, but Pseudia was abundant. Cheese diadema was common but hard to catch. Schist was scarce and very gray. Only the two Melaneristes taken seen. Cryptost.
all broken from
bayberry - also swamp
napthene.
Little variety in species.