









Explanatory

The following M. S. notes relate to a collection of bird skins made for me in Arizona by Mr. F. Stephens, and now included in my general collection. They are in short the collectors field-notes and were originally in the form of blank books of small size each of which was sent to me as soon as filled, with the birds which it catalogued.

The numbers in red ink are those of my own catalogue. The encircled numbers relate to birds which I have disposed of to others; all not thus checked will be found in my collection.

William Brewster.  
November 1881.

William Brewster

The numbers in black ink  
are those of the collector

The numbers in red ink  
are those of my own  
regular catalogue.

28 Feb. 1881.

405

The Chiricahua Mts. are located in the south east corner of Ariz; some of the foothills even reaching the line of New Mex. and the Mexican state of Sonora. Several small streams run east and west from the summit; the former into the San Simon valley and the latter into the Sulphur Spring valley; and San Bernardino valley. The two first valleys are tributary to the Rio Gila. The San Bernardino valley runs south and water from it flows to the Pacific near Guaymas. The valleys are grassy plains but just the San Simon is more

or less low bushes, mostly  
Mesquit. In the foothills  
begins the scrub Oak, It is  
evergreen, the leaves being  
insensibly replaced with new  
ones in May. A little higher  
the junipers come in, being  
called "Cedar" by most people  
here. Still higher on the  
north sides of the hills is  
a little Piñon and scrub  
Pine and on the summits is  
a heavy growth of Pine, red  
and black. In the steep gulches  
is some Fir, and on the steep  
hillsides, mostly facing the  
north, near the summit are  
patches of Aspen.

The valleys are about 5000  
ft altitude and the high-  
est summits perhaps 9000.



In the valleys are various species of Sparrows, Scaled Quail &c. The Woodhouse Jay, Aphelocoma var. woodhousei is not common here in the brush along streams in the valleys and low foothills. A. var. arizonae is found in the foothills from the lower edge of the Pines down.

Cyanurus var. macrolophus, replacing it in the Pines.

Lophophanes wollweberi is found in the scrub oak region. L.

inornatus ranging higher, the latter especially being rather rare here. Sitta pygmaea

is common in the Pines and S. var. aculeata occasional.

Psaltriparus plumbeus is

rare. Found in flocks of six to fifteen in the scrub Oaks. Tialia ~~mexicana~~ <sup>arctica</sup> is rare in the low valleys. T. mexicana abundant in all timber. Junco dorsalis is now occasional in the cañons containing timber and water. In the spring they are common and in summer tolerably plenty also. A nest I found in 1876 was under a tuft of grass in heavy pine timber about 5000 ft altitude.

I find it needless to try to describe the songs of birds as I have no ear for music so I shall not attempt to do so with any, but very rare

4 March 81

Cave Creek Cochise Co. A.T.

1<sup>568</sup> *Penaceia* var *boucardi*? 6.6 x 8.3 ♂

2<sup>5689</sup> Ditto 6.7 x 7.9 ♀

3<sup>5690</sup> Ditto Yog. A. Allen New. Love. sp. 6.5 x 8.2 ♂

Badly shot in the head

T. brown. Legs pale flesh Bill <sup>dark</sup> ~~black~~ <sup>grate</sup>

This species I have not seen in Arizona before. I took several near Ft Bayard N.M. in 1876.

I saw mates to the first two but did not get them. They acted somewhat like Wrens, hiding among the rocks and flushing from the grass some distance from where they had lit.

They went into the low branches of scrub Oaks, from which I shot them. They were on rocky scrub Oak hillsides, and were apparently mated. Notes sparrow-like in character, short song and chirp. Food, seeds and a few insects.

4 Mch 81

5691

4

Picus scalaris var? 7.6 x 13.2 ♂

Edk. pin. Rather common in scrub oak.

5692

5

Sphyrapicus wollweberi 5. x 7.7 ♂

1 in. Bill blackish. Legs bluish. Common here in flocks of half a dozen. Food insects.

add to C. N. Gray

Moved camp over here last night as much for the purpose of investigating some caves said to contain large quantities of bird droppings as for collecting. I went to one of the largest caves this P.M. and found on the floor tons of bat droppings, and a little from birds. Also found a few feathers (primaries and rectrices) of Panyptila saxatilis, and a few of

Falco sparverius. This locality <sup>Cabe Creek</sup> is seven miles south of Galeville A.T. The east half of Pima Co is now Cochise Co. and I will so note it. This country here is very broken and rocky with numerous small caves. I expected to find many ~~two~~ Hawks and Owls here on that acct. but today I have seen none but Sparrow Falcons, and as the sun does not get into the creek bottom until 9.30 the birds don't get in where I can get at them very early in the morning. Saw a Tachyneta thalassina this morning. Weather warm



5th Mch 81  
Cave Creek

Heard an Anurostomus multicinctus  
at daybreak. A little rain  
last night.

5693

6 Melospiza lincolni 5.5 X 7.5 ♂ juv

Common along streams

I dk. crown. Food insects. 5. X 7.6

5694

7 Lophophanes wallweberi 5. X 7.6 ♀

5695

8 Ditto 5.1 X 8. ♂

5696

9 Ditto to Gordon Plumbeus 5. X 7.5 ♀

10

Junco var. caniceps caniceps 6.2 X 9.2 ♀

5697

I. dk brown. Bill & legs flesh color.

As I left my set of skins at  
Gallegosville I cannot compare the  
sp. of Junco. The flock contained  
several var. oregonus one of which

I tore too badly with shot to  
skin. Food, insects

5698

11 Spizella socialis <sup>arizonae</sup> 5.5 X 8.9 ♂

I. dk. brown. Bill <sup>dark</sup> flesh color. Legs  
pale brownish. Food, seeds. Large  
flock. Kept mostly in trees.

5 Mch 81

5699

12 *Thryothorus* var. *leucogaster* 5.4 X 7.2 ♂  
I. brown. Bill <sup>blackish</sup> ~~lt. bluish~~. Legs blackish.  
Food, insects. Common in  
weeds and brush along the  
stream. Shy and difficult to  
entice out in sight sufficiently  
to shoot at. By throwing stones  
near where I hear them, they  
will sometimes venture out to see  
what the disturbance is.

5700

13

Ditto

5.6 X 7.3 ♂

Shot through the head.

5701

(104)

*Melospiza lincolni* 5.5 X 7.6 ♀

Sold to Com.  
40¢

Extremely fat.

15

*Junco*. (*caniceps*) 6.3 X 9 ♀

5702

I cannot tell now whether

this is *caniceps* or *dorsalis*.

The best account of the sp. of  
*junco* I have seen is in Henshaw's  
Report on birds collected by him  
in Ariz. Utah N. M. & Colo.  
which I have not at hand.

6 March 81

Short showers of rain fell in the afternoon yesterday, accompanied by hail and heavy thunder and sharp lightning. Wind was very high during the night and today is still very high. I heard that a covey of "Fool Quail" were occasionally seen a couple miles up the Creek, and today moved camp to the vicinity, with the intention of looking for them tomorrow. On the way up saw two Deer, and shot a pair of Curvirostra var. mexicana in scrub pines. Saw no others. A couple months ago I saw a male near the summit, and last July I saw a brood of full fledged young which comprise all I have seen here.

6 Mch 81

5703

16 Curvirostra var. mexicana

7.1 X 11.9

♂

17 <sup>5704</sup>

Ditto

7.1 X 11.8

♀

Iris dark brown. Pine seeds.

The jaw muscles were  
extraordinarily developed  
on the side ~~from~~ toward which  
the lower mandible crossed.

Collected by Gordon Plummer for B.

7 Mch 81

(18) Picus stricklandi 8.3 x 13.9 ♂

5705 I. dk brown. Habits similar to other Woodpeckers. Killed this one from a scrub Pine, though they are usually found in Oaks.

Notes very harsh and sound as if they were trying a lower key than their voice is capable of using, or rather as if it was made too low in the throat.

Not particularly rare. Rather shy. Have seen none but males so far this winter. I have never seen them out of this range of mountains

5706 (19) Aphysopicus thyroideus 8.8 x 16.2 ♀ juv

I. dk. brown. Between the muscles and skin on the upper side of the wings were innumerable eggs of some parasite. Not common here. Found in the Pines.



7 Inch 81  
Cave Creek

Hold to #1.25  
C. B. Coy

5707  
20 Chrysomitris pinus 5.8 x 8.9 ♂  
Dk brown. Seeds. Common.

5708  
(21) Myiadestes townsendi 8.5 x 13.1 ♀

22 Ditto 8.8 x 13.6 ♀  
5709 Dk. brown. Food insects.

Not common. Pinons. Not shy. Have a habit of sitting perfectly still several minutes at a time. Flight slow.

5710  
23 Picus stricklandi 8.1 x 14. ♀

First female I have seen this winter. ~~6.8 x 11.5~~

5711  
24 Certhia var. oregonica 6.8 x 11.4 ♀

5712  
25 Ditto 5.1 x 9.4 ♀ juv

Barly old enough to be able to fly.

5713  
26 Lophophanes wollweberi 5. x 7.7 ♂

27 <sup>5714</sup> Aphyrapius var. umchalis 8.2 x 15.1 ♂ juv

D. black. Food small black ants  
Not common. Keep in the scrub Pines.

7 March 81

Saw a large bird having much the appearance of the Cal<sup>a</sup> Vulture, but it did not appear much if any larger than the Turkey Vulture. It was flying at perhaps a quarter of a mile distance, I could distinguish some white under the wings and tail. Otherwise it was black.

Killed a Deer and saw three others.

Weather pleasant.

8 March 81.  
Cave Creek.

<sup>5715</sup>  
28 Regulus calendulus 7.2 x 6.5 ♂

I. black. I nests. Common especially in deciduous timber. I think a few summer breed.

<sup>5716</sup>  
29 Scalia mexicana 6.5 x 12.1 ♀  
Common especially females.

<sup>5717</sup>  
30 Lophophanes wollweberi 7.5 x 7.6 ♀

<sup>5718</sup>  
31 Ditto % H.W. Kushman. 7.9 x 7.8 ♂

<sup>5719</sup>  
32 Psaltriparus plumbeus 4.7 x 6. ♂

I. brown. Saw two others. Rare. Scrub Oaks. The others disappeared when I shot this one.

<sup>5720</sup>  
33 Sitta var. aculeata 5.8 x 11.1 ♂

I. dk. brown. Common in Pines

March 8<sup>th</sup> 1881

I have hunted the locality where the "Fool I mail" were said to "use", pretty thoroughly several times but fail to find them. I found where the covey had sat over night some time ago. It was in a little hollow among the brush. As our provisions are about exhausted we shall have to go back to Galeyville in the morning. From there we will go to Moses Mill, which is on the other side of the range from where we are now camped and only about eight miles distant air line. By the nearest wagon road it is over seventy miles, and by the nearest way a horse could be rode and led, about twenty

10 Mch 81

10 mls North of Galeville A.T.

5721

34 *Spizella arctica* 7.2 x 1.3, 1 ♂

I. brown, Stomach contained  
butter, crickets and a large white  
larva. Small flock seen.  
Grassy plains, where they flew  
from one weed stalk to another.  
Restless and rather shy.

Drove to a spring seven miles  
S.E. of Camp Bowie. Weather  
very stormy with snow in the  
morning.

Spizella arctica	21	57
Spizella socialis	153	5
Spizella monticola	47	11
Spizella monticola	31	11
Spizella monticola	88	11



12 Mch 81

Chiricahua Mts A.T.

5722

35 Aphelocoma var. arizonae 12.9 x 9.7 ♀  
Irk brown, food broken  
acorns &c. Found in the  
foothills mostly. Go in flocks  
of five to twenty. Natters and in  
most localities shy, but around  
Mills &c where they feed on the  
grain mixed through the horse  
droppings they are more easily  
approached; as is usual with  
all birds, when they are not  
accustomed to the presence of  
human beings, they are very  
shy of them.

Arrived at Moses Mill  
this P. M. This mill is about  
five miles up the cañon where  
it widens out in a sort of  
basin having a circle of moun-  
tains about it two to three  
thousand feet still higher.

The hills are heavily timbered except on the southern exposures where the timber seems to dry out and is only stunted growths among the grass. Of level ground there is practically none. Small streams run through most of the cañons but all combined sink before reaching the plains. Altitude of mill about 7000 ft. We are now not more than ten miles from where we were at Cave Creek, but to get here we traveled over seventy miles and then came by the shortest road.

12 Mch 81

Morse's Mill: 7,000 ft.

5723

36 Callipepla squamata 10.2 x 12.2 ♀

J. brown, Found in desert plain  
seldom in the vicinity of water.  
Usually found in flocks of six  
to ten, occasionally as many  
as twenty to thirty. Shy and in  
most places difficult to get, in  
most cases I do not get more  
than one out of a flock.

37 Melanerpes formicivorus <sup>9.4 x 17.0</sup> ♀

5724

J. white. Not very common here.  
I have never seen any acorns  
driven into holes bored in the  
bark of trees for that purpose  
here <sup>or in N.M.</sup> as the sp. is in the habit  
of doing in Cal<sup>fn</sup>, otherwise there  
is little difference in their habits.

5725

(38) Picus strecklandi 8.2 x 14.3 ♀

Killed at very short range  
No Chas. B. Comg.

13 Mch 81

Morse's Mill

An exceedingly  
windy day, with a  
little snow in the  
night.

14 Mch 1881

Morse's Mill - "7,000 ft"

Chiricahua Mts. A. T.

5726

39 Abhecoma var arizonæ 12.3 X 19 ♀ juv

40 Picus var. harrisi 9.1 X 15.6 ♂

5727

J. brown. Pines. Common.

41 <sup>5728</sup> Vireo huttoni 5.2 X 8.5 ♂

Dark brown. Scrub Oaks. Not particularly rare here and in Southern New Mexico in March, April and May, in which months I also found them rather common in San Diego Co. Cal. Apparently found only in mountains. I took a nest and four eggs near Ft Boyard N M in '76.

5729

42 Picus stricklandi 8.1 X 14.3 ♂

43 <sup>5730</sup> Ditto 7.9 X 14.2 ♀

44 <sup>5731</sup> Dendroica olivaceæ 5.7 X 9. ♂ ad.

45 <sup>5732</sup> Ditto 5.4 X 9.2 ♂ ad.

46 <sup>5733</sup> Ditto 5.2 X 8.5 ♀

47 <sup>5734</sup> Ditto 5. X 8.3 ♀



14 Mch 81

(Morse's Mill) "7000 ft"

*Chiricahua Mts*

It is a little singular that the first Dendroica to make its appearance is D. olivacea.

They were in Pines, Actions like D. occidentalis. Note a "chirp" repeated once or twice a minute. Were searching the bunches of pine leaves (usually at the extremity of the branch) for insects, of which their stomachs were full. I, etc, etc. Although they were not very far from each other I saw no two ~~to~~ together in the same immediate neighborhood.

5735-

48 Lophophanes wellweberi 5x8. ♂

5736

49 Ditto 7.9x7.6 ♀

The first pleasant day for some days.

I took me in the Santa Catalina Mts in Feb. 1880

16 March 81

(Mossy's Mill)

Chiricahua Mts A. T.

5737

50 Vireo luttoni 4.9 x 8.1 ♂ ad

51<sup>5738</sup> Pealtriparus plumbeus 7.5 x 6.2 ♀

Iris straw color

5739  
52

Ditto. To C. B. Cory 4.8 x 6.1 ♂

Iris brown

5740  
53

Ditto 7.5 x 6.2 ♂

I. brown

5741  
54

Ditto 7.5 x 6.2 ♀

I. straw color

5742  
55

Ditto 7.5 x 6.2 ♂

I. dk brn

Found a large flock of these.

Tits, numbering probably twenty individuals. They were accompanied by two or three L. wollweberi, a Kinglet and the Vireo, and a couple S. var. aculeata.

5743

56 Lophophanes wollweberi 5.1 x 7.7 ♂

5744  
57

Sphyrapicus thyroideus 9.1 x 16.5

↳ 9. Phoebe.

16 Mch 81  
(Morse's Mill)

5745

58

Junco (cinereus) 6.3 X 9.1 ♀

(59) Ditto - L. C. B. Cory 6.2 X 9.2 ♂

5746

Iris golden yellow.

Yesterday was another stormy day with an inch of snow falling during the forenoon and which was all melted by sunset. I did not attempt any collecting during the day, but mended harness &c

Today is not very pleasant and I should have had poor success if I had not found the flock of tits.

60 5747 Melanerpes formicivorus 8.9 X 17.2 ♂

61 5748 Sialia mexicana 6.9 X 12.9 ♂

62 5749 <sup>W. Allen</sup> Junco (cinereus) 6.5 X 9.7 ♂

63 Ditto 6.2 X 9.2 —

5750

Sexual organs destroyed by shot. Probably ♀  
Iris golden yellow.

17 March 81  
Chiricahua Mts.  
Moise's Mill)

5751

64 Pipilo var megalonyx 29X4.1 ♂

Food, Food insects & seeds  
Another sad day. About  
three inches of snow fell  
this forenoon. Have hardly  
heard the sound of a birds  
chirp all day.

18 Mch 81

Clivicahua Mts A. T.

(Morse's Mill)

5752

65

Parus meridionalis? 5.2 x 8.5 ♂

Iris dark brown, Insects.

As near as I can make it out this is P. meridionalis but I may be mistaken. I saw another with it (probably a female) but after shooting this I did not see the other again, and supposing this to be septentrionalis I did not look for the other as I cared for only a single specimen of common species.

This was up a cañon about half way to the summit from the mill. My attention was attracted by its note which was like that of septentrionalis.

It was in an Oak when first seen but flew into a Spruce.

The only Parus I saw in N. M. were a very few P. montanus.

18 Mch 81

Chiricahua Mts A. T.

*(Morse's Nite)*  
*(Mexican)*

5753

66

*Certhia familiaris* 4.8 x 7.1 ♀

Dk. brown. Insects.

This and a couple others taken here last season are all of this species I have seen west of the Missouri River. Geo. H. Reedy wrote me that he found them breeding near Santa Cruz Cal<sup>a</sup> where he took their eggs.

5754

67

*Junco cinereus*? 6.2 x 9.2 ♀

68

Ditto.

6.4 x 9.6 ♂

5755

This has been a pleasant day overhead but very sloppy underfoot. Most of the snow melted off today



19 March 81  
(Moss's Mill)

5756

69 *Saltriparus plumbeus* 4.3 X 5.7 ♂

Iris dk. brown.

5757

70 *Lophophanes wollweberi* 5.1 X 7.6 ♂

5758

71 *Aphelocoma* var. *arizonae* 13.5 X 20.1 ♂

72 <sup>5759</sup> *Dendroica olivacea* 5.4 X 8.9 ♂

73 <sup>5760</sup> *Sitta pygmaea* 4.3 X 7.7 ♀

74 <sup>5761</sup> Ditto 4.4 X 7.8 ♀

I. dk. brown. Not very common <sup>as marked on</sup> ~~original~~ here.

Today has been very pleasant but the birds do not come in very freely. The above represent five hours search and I found nothing else worth shooting. Saw two Deer.

20 March 8,  
Chiricahua, etc. A. S.,  
(Moss's Mill) <sup>bar?</sup>

5762

75 Turdus migratorius 109 x 167 ♂

l. dk. crown. Food insects,  
It common. I have seen

about a dozen this winter.

5763

76 Chondestes wollweberi 89 x 76 ♀

77 Chondestes olivaceus 82 x 89 ♂ juv

5764

As I was watching this Warbler  
it flew down apparently trying  
to catch a falling insect but  
failing to catch it before it reached  
the ground it lit on the ground  
and picked it up and im-  
mediately flew back to its  
old position. I sang a few  
low notes.

5765

78 Catherpes mexicanus 88 x 63 ♀

5766

79 Cinclus mexicanus 89 x 121 ♂

l. brown. Food insects.

This is the first bird of this  
species I have seen in Ariz.  
They are rare in the Son

(Morse's Mill)

Emerald Mts. Cal., and  
did not find them in  
southern New Mexico altho  
the canons of the upper  
Gila is suited to their  
habits.

My attention was called to  
the song of some bird, sounding  
from the mountain brook,  
running past camp. I  
thought at first it was the  
song of some Mocking  
Thrush for it sounded very  
similar. In looking for  
the author I found the source  
came from behind some  
Willows at the water's edge  
and observing ripples in the  
water as if some bird was bathing  
I was still more puzzled as  
I could not see the bird.

## Morse's Mill)

and he thought of its being an  
Angel did not occur to me  
and I had never heard their song  
Just across the brook was a  
steep rock wall and the  
sound reflected from it mingled  
with the purling of the brook  
was deliciously sweet, all  
the more so as it was a very  
pleasant afternoon.

<sup>short</sup> songs were several and  
repeated with short pauses  
between and sounded at first  
as if they were imitations, but  
I soon came to the conclusion  
that they were original.

They were so low that they  
were not audible more than  
a couple hundred yards at  
most. The shot wounded  
the bird in the neck.

(Morse's Mill)

but did not disable its wings  
yet it seemed unable to raise  
from the water. On my  
approach it dived repeatedly,  
using its wings for propulsion  
under the water. The sun  
spore hit me on it, and as  
the air clung to the plumage  
it looked like a ball of  
silver flying through the  
water as a bird does in air.  
On the surface it paddled along  
very much like a Phalarope.  
The flesh was dark colored and  
tough and smelt fishy. The  
inside of the skin looked as if it  
might be some small mammal  
being unlike that of any other  
Océine I have seen in appearance.

21 Mch 81

5767

Chiricahua *notus* 1213  
(Morse's Mill)

5768

*Aphelocoma* var *arizonae* 1318204 ♂

81

*Dendroica olivacea* 5 x 8.5 ♀

5769

82 *urus meridionalis* 5.1 x 3.1 ♀

83

Ditto 5.1 x 8.5 ♂

5770

These last three birds were in company of a flock of *A. pygmaea*<sup>in pairs</sup> on a high ridge near the summit. I heard one of the Chickadees utter the notes "Che-wu-wu" several times. Saw no others.

5771

84 *Sitta hageni picta* 5.6 x 8.2 ♂

d. dk. brown. Insects.

First one seen here this season. They were rather common in restricted localities in this cañon last April.

I also found them in N. Mex in 1876. Heard the note "Tup" uttered occasionally. *urus*.

5772

85 *urus (urus)* 6.7 x 9.6 ♂



23 Men & 1

*Chiricahua*, into *Driz*  
(*Moran's Mill*)

5773

86 *Lophophanes wollweberi* 5.1X82 ♂

87 Ditto

5.1X76 ♀

5774

Took a couple hours hunt  
yesterday in the morning  
and found nothing seemed  
to shoot or quit it and  
repaired wagon & to have  
everything in good order so  
when birds were plenty I  
would not have to stop  
to do it. Got through today  
about noon, and looked  
around a little but found  
birds were still scarce.

If they do not come in soon  
I will move camp to the  
foot of the hills and see  
what is to be found there.  
Weather is gloomy and threatening  
and a fall. we will  
see &

5775

221  
2  
22  
No. 9. *Plummer* (Morse's Mill)

88

*Chrysomitris* 5.7 x 8.0 ♂

5776  
82

*Geothlypis californica* (6.0 x 13.0) ♂

yellow. Was sitting on the extreme  
tip of a dead pine, <sup>June 10 a.m.</sup> note "cu"  
repeated about once a second.

Found another but failed to find  
it. The only others I ever saw  
were a flock of four near the  
Hayward Annex in 1878.

Stomach empty.

5777

*Dendroica olivacea* 2.1 x 8.0 ♂ juv

5778

*Sitta* ♀. *S. Stephens* sadly shot. 5.7 x 8.0 ♂ ad

5779

*Sitta* To C. B. Comy 5.2 x 8.0 ♂

5780

*Sitta* To C. B. Comy 5.2 x 8.0 ♀

5781

*Sitta* 5.7 x 8.2 ♀

Found a flock of these warblers  
this morning. High up a steep  
mountain side. They were riding  
along northward. As it was very  
difficult climbing, we had to  
leave rocks I had to shoot at shorter  
range than usual.

24 Oct 41.

(Morse's Mill)

5782

45 *Cyanurus* var. *maculophus*. 12.1 x 17.7 ♂

5783

itto 11.6 x 17.2 ♀

5784

itto 12.1 x 17.8 F

These birds are common in the firs well up the mountains, but are wary and difficult of approach. Usually when they see anyone in pursuit they fly from the top of a tree to the lower part of one a little further away and commence jumping higher from one limb to another and on reaching the top immediately fly to the lower part of another tree to repeat the same maneuver. If one can follow fast enough to get within range before they reach the top of the tree

(Morse's Mill)

they happen to be in one  
in a while about the they  
and kept behind the trunk  
of a tree or some other corner  
was particularly fortunate  
to get them today. but a  
lock were coming down to  
trunk and I got the front  
of them.

They are noisier and have  
quite a variety of all  
some of them being very  
rare. I think the species  
is more shy here than  
in most mountains.

We day has been fine  
and birds are in the mood

5785  
68  
5786

*Myiadestes townsendi* 85 x 131

*mus muscivorus* 110 x 170 ♀

5787  
100

*Sitta* 100 x 150 ♂

They were with a lot of  
others.

5788

(Mora's Mill)

*... miraeae* ♀

5789

ditto

5.3 x 8.8 ♂ ad

5790

ditto

5.1 x 8.7 ♂ juv

5791

To Nat. Mus.

*Tarus meridionalis*

5.1 x 8.3 ♂

5792

ditto To Dr. Stephens

5.1 x 8.2 ♂

56

... with some ...  
... no males to ...

5793

106. *... macrolepis* ♂

5794 (Morse's Mill)  
 107 *Pipilo* var. *megalonotus* 5.6 x 8.5  
 red. Bill black, legs and  
 feet ash. Common in some  
 small streams. Name a  
 variety of calls some harsh and  
 rather similar to that of a Cat-  
 bird. Another, when sitting in  
 trees. Jack Packerin, Georgia  
 scratches in the leaves. Resident.

5795  
 08 *Cyanus dorsalis* 6.5 x 9.5 ♀  
 I have not as brightly colored  
 as *cinereus*.

5796  
 10 *Cyanurus* var. *macrocephalus* 11.1 x 17.0 ♀ juv

5797  
 10 *stoppagea* isla 5.6 x 8.3 ♀

5798  
 10 ditto 5.2 x 8.6 ♂

5799  
 10 ditto 5.5 x 8.5 ♂

When birds were taken  
 others from the same area.

5800  
 13 *unc* *cinereus* 6.2 x 9.0 ♀

5801  
 114 *Cyanus* coronata 5.3 x 8.7 ♀

5802  
 114 *Cyanus* coronata 5.3 x 8.7 ♀



22 1888

(Morse's Mill.)

5802

15 Colletes mexicanus 12. 2. 8  
brown. Stomach contained  
a quantity of ants. Common  
in all timber. Vary. This  
one has paler wings and tail  
than usual, and also has in-  
dications of red on the nape,  
and may be slightly immature.

5803

16 Curvirostra var. mexicana 6. 9. 12. 8 juv  
Very rare on this side of the Mts.  
Still pleasant weather  
less wind than yesterday  
Cross today.

5804 *viriana* 117 1.2.  
 Morse's Mill  
 117 *Paratrachia* 8.1.17.7 ♀

28 March 81

5805 *sub hulteni* 5.7.7.6 ♂  
 118 *late* ♂  
 5806 *hi* 5.7.7.7 ♂  
 5807 *hi* 5.6.8.7 ♂  
 5808 *var. megalopyx* 8.8.1.8 ♂  
 121  
 5809 *caucasicus* 4.2.1.9 ♂  
 122 *caucasicus* *imping* ♂  
*in* *hires*.

- 9 m 8  
 vicinaria <sup>W. W. W.</sup> <sup>W. W. W.</sup>  
 Morse's Mill.

5810

5811

*C. cyathicus* var *michaels* 22x9.5 ♂ juv

*C. meridionalis* 5.1 x 8.5 ♂

Centre of a white circular line  
 that so much like mountains  
 that I mistook it for one.



5812

*Ditto* (to C. B. Cory) 5.7 x 5.2 ♂

5813

*... ..* 6.6 x 9.8 ♂

5814

*Melospiza* var *arizonae* 3.1 x 2.0 ♀

5815

28

*Chrysomitris* *pinus* 4.0 x 5.6 ♂

Took a train to the top of the  
 range today to see if birds were  
 higher up. Found  
 nothing of much value except  
 a few chickadees. ...  
 ... as a ...  
 locality ...  
 ... of birds ...  
 the cañon ... miles  
 narrow, ... a few days.

30 March 1881

Arizona

5816

129

*Picus stricklandi* 8.4 x 7.4 ♂

5817

30

*Chrysomitris halia* 7.5 x 7.5 ♂

brown. First seen. This species  
 not very common except in a  
 few localities. I can hardly  
 make out any differences among  
 this species and those  
 from Arizona but very few that  
 answered to the description  
 of Arizona. A few examples  
 are almost identical with  
 those from N.M. Baird's  
*Chrysomitris mexicana* being found  
 in the "Copper Mines" <sup>near</sup> in  
 within ten miles. He was  
 over a year, collecting most  
 of the time and I failed to go  
 even a very dark near Arizona.  
 I see more in trees than *C. tris*.

5818

*Chrysomitris halia* 5.1 x 8.1 —

5819

E. B. Cory

WEST

5820

*C. silicea* var. *arizonae* 12. x 30 ♀

33

Ditto

13. x 19 ♀

Moved down the cañon four miles this morning. Bird joys at least more plenty. Got here too late to find good hunting as I usually can find at least twice the birds from 8 to 11 a.m. as in the same territory in the afternoon. In the morning birds seem to be on the move and are noisy compared with the balance of the day.

3  
white  
C. ... ..

5821  
304  
5822  
13  
5823  
5824  
37

... .. 12.8 ...  
... .. 11.7 x 10.7 ...  
Cyrtopogon rufescens 8.7 x 10.7

Measurement of length is ...  
of a long tail feathers which  
seem to be differently shaped from  
the others, so that they look  
like the coverts. Thighs very  
muscular. Flesh white  
dark crown.

When walking with a gun  
... ..  
pair of these cartridges just  
from the grass about an inch  
away. The female went  
first slowly followed by the  
male, which I knew by the  
black under tail coverts.  
was tired and was carrying my  
gun on my shoulder, not ex



section. To see my own nest there,  
and by the way we nearly  
fell both had whipped over into  
the next gulch which happened  
to be about 50 yards away.  
On looking over first flushed  
the male and missed him clean  
as he wound through the thick  
brush. He rose within in feet.  
Going a few feet further the  
female rose, and happening  
to take a direction that was  
a little clearer of brush I got  
her. Each time each flew they  
uttered a low whistling "wawwaw"  
The masculine note combined  
with the sudden rise so close  
does not help steadily once seen,  
"light" swift. Did not see the  
male again. Locality, Trichostema  
in nest with small pieces of 9 C h and  
in nest, call "saw-ton" grass, Rocky

31 March 1888

*Miricallua* [unclear]

5825

138

*Senecio* [unclear] *cardi* 6.0 1.3 ♂

Found in bush. In summit  
high ridge.

5826

139

*Strobilaya* *helic* 5.6 x 8.7 ♂

5827

140

*Senecio* *huttoni* 5.1 x 8.7 ♂

5828

141

*Senecio* *caniceps* 6.1 x 8.3 ♀

5829

142

Found in field at short range.

*Helicoma* var. *arizonae* 2.7 x 9.3 ♂ juv.

Found in [unclear] valley.

To C. B. Cory.

April 8/

To Gordon Phoenices

5830  
43

*Picus stricklandi* 7.7 x 4.9 ♀

old say in two or three weeks

5831

Ditto

8.2 x 4.8 ♀

5832

*Hypocionus ar. ...*

5.7 x ... ♂

5833

*Colaptes auratus*

5.1 x 3.3 ♂

5834

Ditto

4.8 x 2.2 ♀

5835

Ditto

4.7 x 2.4 ♀

48

with down. ... contain  
small insects and a few small  
caterpillars. First one seen this  
season. ...

5836

range high in the mountains.

*Dendroica nigrescens*

5.2 x 7.2 ♂

5837

Ditto

♂

5838

Ditto

5.1 x 8.1 ♀

5839

Ditto

5. x 5. ♀

5840

53

Ditto to G. Phoenices.

5. x 8.2 ♂

541

*Salpica*

4.5 x 6. ♀

in ...

... ..

5842

The black tips to the scales on the sides and back of the neck are absent, giving these scales a uniform grey appearance.

5843.

*Cicou stricklandi* 7.8 x 8.8 ♂  
The tongue not shown in this bird.

4 April 81

Sulphur Spring Valley

5844

157 *Pooeciza vittinata* 5.8 x 8.0 ♂

in a pine where a few birds are found; not in grass stems or mountain. Flocks of gregarious as more than half a dozen are seldom seen together. It is abundant in the pine.

5845

158 *Pooecis gramineus* var? 6.4 x 8.7 ♀

It is common in the pine.

5846

the old one, castani 2.3 x 7.8 ♀  
in on Quercus, Castal, Castal seen.  
Long very ill Castal Castal Castal  
drops Castal Castal Castal Castal in  
one bag. Castal to be very Castal. But  
before Castal of one.

Got nearly out of powder and left  
in Castal Castal Castal day. Castal now  
camped at a well, 10 miles east of  
Tombstone and 7.5 west of the Mill.  
As there are large numbers of Sparrows  
wintering here at the well I will lay  
out tomorrow and take a few.

5 April 81

10 Miles East of Tombstone Ariz.

5847

Spizella mar breweri 5.2 x 7.7 ♂

5848

Spizella mar breweri 5.2 x 7.7 ♂

5849

Spizella mar breweri 5.3 x 7.5 ♀

5850

Spizella mar breweri 5.2 x 7.7 ♂

I. dk brown. Seeds - a few in  
filled sig. Castal Castal Castal

Castal Castal Castal Castal Castal

5851

Spizella mar breweri 6.7 x 10.8 ♂

5852. *Microtus* ...  
 165 *Microtus imerascens* 5.8 x 2.7 ♂  
 brown. Common in timber along streams and valleys, not in heavy timber of mountains.

5853  
 166 *Tarbotomys rickardii* 5.1 x 2.3 ♂  
 light brown. Common in ...  
 ... common. Found in ...  
 ... streams & valleys of a cactus brush the var. ...  
 ... and ...  
 ... on the ground under the brush.

To. C. A. Cory

5854  
 167 *Peromyscus* ... 7.2 x 6.6 ♂

5855  
 168 *Empeya in rus* 6.1 x 9.1 ♂  
 dark brown. First one seen in ...  
 ... but two or three in ...  
 ... there are but few trees here and scattered and those seen in ... were in a similar locality. Found a ...

10 miles East of Tombstone

5856

69 Troglodytes var. haskinhami ♀

Dk. brown. Low bush, etc.

common. not on seen this season.

5857

70 Polioptila caerulea 7.9 x 6.5 ♀

5858

71 Cyanus vociferans 7.1 x 5.7 ♂

Dark brown. etc.

verticalis is rare here, but

common in Southern Spain

where I have never seen

vociferans. It is a

the vociferans would be sur

rounded by verticalis

mixing with <sup>verticalis</sup> verticalis no

vociferans winter here.

one of my horses got

broken last night and I

shall have to shoot her.

Will have some trouble to

get another probably.



10. miles east of ...

5859  
5860  
5861  
74

Empidonax hammondi 5.8 x 8.7 ♀

Empidonax bacurus 5.8 x 8.9 ♂

Zenaidura macroura 11.2 x 16.4 ♀

Dark brown. Legs dark red.  
Very abundant here.

Borrowed a horse and moved a couple miles north to the nearest house, and could leave my wife there until I could buy another horse.

5862  
175

Geothlypis trichas 7.2 x 11.8 ♀

Dark brown. Common in prairie bushing on weed stalks. Do not frequent timber. Found singly.

5863

Myiarchus cinerascens 8.6 x 12.5 ♂

5864  
500. 13. 6. 4

Pipilo maculatus 8.8 x 11.0 ♂

Common in every locality in prairie & valleys. Not in high prairie. Nest in ...

8 April 8

Miles East of Tainton A.?

5465

78 *Centurus aurocygialis* 9. X 159 ♀

Oak, brown, Bill black,  
 Legs pale, with a green  
 reflection from the larger  
 scutella. This is the  
 furthest east I have  
 seen this species. Did  
 not find it on the upper Gila.  
 Frequent amongst trees and the  
 Giant Cactus. The latter are  
 not found this far east and  
 the mesquite are low brush  
 here. This bird was on Oak and  
 Walnut trees which are very  
 sparsely scattered along this  
 arroyo. We are now within a  
 mile of the divide between  
 the Gila and the Colorado  
 rivers, on the Sonora side.  
 The river is on the Gila side  
 a prairie with very low barren hills.

Gila side.  
 Gila side the  
 head readily



Note "Poo wee"

number in with  
lowly but hills. Flying up  
the ground and uttering up  
singing, up again, in twilight.

Difficult to get the meaning of these  
nocturnal habits.

4 April 81

to miles East of Tomelton N.Y.

5870

83

5871

*Eulachia squamata* 2.3 x 1.4 10

*Pipilo chlorurus* 2.3 x 1.0

in room. Bill dark and  
with some brown. Legs  
somewhat dusky.

Common in the

region low brush. It was  
in a little patch of this  
in an arroyo.

5872

85

5873

86

*Pipilo fuscus* 2.3 x 1.0

*Pipilo fuscus* 2.3 x 1.0

Bill dark brown, as in the  
below. Legs light brown. It  
lurked, killed its mate  
in the same spot but by some



18, April 8

W. between 2227

5877

100

*Colaptes auratus* L. 7.11.1. ♂

... brown. Bill with horn  
 above eye ...  
 ... brown. ... contained  
 buds and seeds. First seen this  
 season. Several flocks seen  
 during the day. Not one here  
 which were males in full  
 breeding plumage. Many were  
 in various stages of moulting.  
 Plumage making for flocks  
 look very multicolored.  
 Migrants here only.

Succeeded in purchasing  
 and horse yesterday. ...  
 today we rode ...  
 ... crossing ...  
 San Pedro river nine miles  
 ...  
 ...  
 ...  
 ...

35. *... ..*

5878

*... ..* 32118  
... .. will reach ...  
... .. below. Legs darkish  
... .. Saw several of this  
species today migrating.  
I do not think they will  
stay to breed on the plains  
as I believe they breed  
in the mountains.

Drove 20 miles, soon after  
starting the brush gave  
way to grass and later in  
the day we skirted the  
north end of the ...  
Mountains passing through  
scattered ...  
further on lower down  
on the plains was replaced  
by mesquite in scattered  
streaks along the  
washes, ...

W. G. ...  
58



Oak timber ... will be confined to the ...  
 ... mountains again, ... are now  
 at the extreme eastern edge  
 of the cactus desert, and not  
 at the great regions. I have  
 already seen a few Cactus trees  
 but tomorrow we will likely  
 find *Strophocylindrus* abundant.  
 Sea trees all over this ...  
 are Mesquit trees some times  
 forming groves. Small Mesquit  
 is about the size and form of  
 a very old white oak. It does not  
 spread out quite as much as that  
 tree usually does. It is excruciating  
 now budding on - foliage very scant.

No 4. Plummer.

5879	...	55, 12, 11	♂
5880	Little ...	...	?
5881	...	107 x 14.7	♀

Cism a.

5 May 8

5882

190. Calycineta bicolor 5.7 X 4.8 ♂  
Crown brown. Bill black. ...  
... in the migration.

5883

140 Cinclus leucurus 7.3 X 3.0 ♂

5884

177 Helminthophaga lucida 4.1 X 6.7 ♀

Dark brown. Bill ...  
Legs pink. It is the first of this  
species ever seen. Was in a patch  
of large willows (no undergrowth) at  
a brook at the north lower end of  
the cove. I mistook it at first  
for a Polioptila, which species it  
resembles somewhat. It  
acted somewhat like a Tingit and  
feeding at the end of the branch  
leaves, not shy. Heard no note.

Insects.

5885

108 Two hairs var. mirans 6.1 X 0.1 ♂

5886

100 ditto to G. Phoeniceus 5.9 X 0.2 ♂

5887

107 ditto 6.1 X 0.3 ♂

5888

101 ditto 5.8 X 0.1 ♂



A terrace of some sort is  
formed to the surface by the bed  
rock. Probably in former times a  
pond or lake was formed above  
the terrace, filled by the deposit  
of sand and silt, and now you  
know or see for a mile, or more,  
with grass and meadows, through  
the terrace now. In places are  
more or less willows, also common  
at some places are canebrake. The  
stock had kept the meadows  
down, but the down side  
silted in, and the side of the  
meadow slope, and will say,  
are common to the side of the  
slope before reaching, and so  
as though a little revision to  
we can have, and in one day  
it is silted in, and the  
the grass through the canyon

5890

203

5891

*... ..* 3.9 3.  
*... ..* 82X106 ♂  
 Bill black, bluish at  
 base below. Legs dark. Iris  
 brown. Cottonwood partially  
 present, cur shaped, not  
 so much as that of *A. bullockii*.

5892

205

*... ..* ♂  
 Bill brown. Bill dark above, light  
 below. Legs dark. Iris brown. Willow  
 and undergrowth along stream.  
 Active rather and noisy  
 so small a bird. Nest pendant  
 from a forked twig, usually  
 hung ~~from~~ two to three feet  
 from the ground in dense  
 thickets. 4 to 5 eggs. Nest  
 abundant here. Nest in *... ..*

6 ... x ...  
...

5893

200

*Helminthophaga* ...

7.7 x 6.5 ♀

5894  
207

Do to G. F. Stephens

4.5 x 6.4 ♂

5895  
208

Do to

4.2 x 6.6 ♀

It is ...  
the Kinglet. ... heard  
the note "chick".

5896  
209

Do C. B. Cory *cassini*

5.3 x 8.5 ♂

ter below. Legs dark bluish  
Common in foothills. Breed, but  
have never seen their nests.  
To be seen this season.

5897

210

...

5.7 x 2.5 ♂

...  
...  
... migrations.

5898

211

*Leptoternis* ... ♀

... all of eggs dark brown.  
Common. Breed. Flow of  
light.

so marked on original label

5899  
212

mycineta

5.8 x 11.4 ♀

Common. Flight swift.

5900  
213

Myriopharus flaviceps 4.2 x 6.4

♂ (see 213)

bill and legs black.

Common in brush, usually not far from streams. Nest large, of twigs, with hole in the side. Nests in a buckberry tree if such is convenient.

5901

Pipilo <sup>castaneus</sup> ~~chrysurus~~

5.6 x 9.1 ♀

5902

Pipilo chrysurus

7.7 x 9.7 ♂

5903

216

Polioptila caerulea

4.7 x 6.6 ♀

Rained during the night and occasionally during the day with thunder and some hail.



July 18, 1905

5904 *Heterophaga luciae* 7.3 x 6.7 ♀  
 171  
 5905 Ditto 7.1 x 6.6 ♀  
 218  
 5906 *Sceliphus richardsoni* 6.7 x 6.5 ♂  
 217  
 brown, Bill black, bluish under.  
 Legs pale brown. Abundant along  
 streams. insects

5907 *Pyrocephalus rubine mexicanus* 5.5 ♂  
 2  
 5908 *Pyrocephalus rubine mexicanus* 5.5 ♂  
 1  
 dark above, pale below

5909 *Pyrocephalus rubine mexicanus* 4.6 x 2.9 ♀  
 22  
 This one and three others were flying  
 over the marsh, but common.  
 Saw one sitting on  
 the wing, like a Flycatcher.

5910 *Pipilo fuscus chlorurus* 7.8 x 11.2 ♂  
 223  
 Drove half way to Tucson  
 in the afternoon.

18 April 81  
Tucson Ariz

5911

227 uribanius flaviceps 7.3 x 6.7 ♂

Killed this bird soon after making camp (about 11 a.m.) and drove into town for provisions and on my return about 2 P.M. I found the feathers were already a little loose on the belly. This is a very ~~and~~ warm locality.

Two or three miles above Tucson, on the river bank

5912

To C. B. Cory

uribanius flaviceps 7.7 x 6.7 ♂

5913

uribanius flaviceps 7.1 x 6.1 ♂

C. B. Cory

The road yesterday afternoon led down the cañon a couple miles then took to the plain, on the further side of which lay Tucson. The grass soon gave way to various kinds of cacti (except the giant Saguaro) and low shrubby mesquite. Among these the Haydeni and Coryi Polioptila were plentiful.

also saw some sparrows, &  
I knew they would spoil before  
I could attend to them I killed  
none. As we had no means  
to carry water for the horses  
we could not have stopped  
if we had wished, as they  
went all the afternoon and  
night and most of the fore-  
noon without water as it was  
In this part of the desert  
I saw many ground Squirrels  
and the common Black-tailed  
Jack Rabbit and another kind  
of Hare. I have never seen  
elsewhere than in the neigh-  
borhood of Tucson. It is known  
here as the Antelope Jack  
from its resemblance in color  
to the Antelope. It is rather  
larger than the other kinds

with a furranthly shorter  
hind legs, almost white  
on the hind quarters.

Had a dark and tough

One I killed yesterday  
weighed eight pounds.

A few miles before reaching  
Tucson a low stinking  
shrub covered all the  
ground, and continued to  
Tucson, in it birds were  
very scarce.

We have been coming  
down hill nearly all the  
way from Tombstone, and  
as the altitude decreases  
the heat increases, so that  
here the Mesquit, Acotillas  
&c are in full leaf.

Of course with the change  
of climate and vegeta-

the species of birds have  
changed also greatly.

<sup>of Prohorov's 700 sq. mi.</sup>  
Cremon is situated at the  
sink of the Santa Cruz  
River, which heads near  
the Mexican line and runs  
towards the Gulf but all  
trace of a channel even  
is lost fifty miles before  
reaching that stream.

The town was settled somewhere  
about 1750 and was built in  
the usual Mexican style of adobes.  
Since the advent of the Railroad con-  
crete and frame buildings have been  
built, but even yet the majority  
of the inhabitants are Mexicans.  
Its principal trade is with Mexico.  
There are several wholesale firms  
carrying heavy stocks. Most  
of the merchants are foreigners.

There are a number of small ranches  
Mexicans both above and below town  
wherever there is sufficient water  
for irrigating. Interspersed among  
them are patches of *Margarita* timber  
which here is of the largest growth  
with which I am acquainted  
forming quite a forest though  
it would look insignificant  
enough in an eastern man's eyes.  
The Santa Cruz is here even  
smaller than the San Pedro a  
barren plain and we can pass  
across that almost anywhere.  
The soil of the river "bottom" is  
excellent while of the balance  
of the country it is almost pure  
sand. The heavy growth of *Margarita*  
is only in the good soil. West  
of town is a range of volcanic hills  
on which grow the Giant Cedars

1 April 8  
 Tucson Ariz.

5914

227 *Syrnagra var. empurii* 8/12/77 ♂  
 C. brown. Bill pale horn brown.  
 Legs pale brown. First seen in  
 this season. ~~See~~ Saw none last  
 year. Took several on the Rio  
 Grande from Albuquerque to  
 Mesquite in May 75, also seen  
 on the Delta in N.M. in May and  
 June 76. Song weaker than the  
*P. hepaticas* but very similar  
 insects. Skin very tender.

5915

28 *Helminthophaga hirsuta* 4.3.77 ♀  
 have commenced singing.  
 This species is not  
 abundant here this morning  
 Note a sharp edge and the sound  
 a note.

5916

229 *S. to G. Phoeniceus* 4.4 x 6.8 ♂  
 5917 *S. to* 4.3 x 6.7 ♀  
 5918 *S. to* 2.7 x 1.1 ♂  
 231 *S. to* (all two males) 2.7 x 1.1 ♂  
 5919 (were chasing the ♀) 4.3 x 6.7 ♂  
 - 3 - (and I got all three at one shot)



5920

233 *Pezomachus capulisti* 5.7x1.0 ♀

5921

234 Ditto 5.9x0.8 ♂

... above, ...  
 ... brown below. legs all brown  
 ... in bunches & occasional grass  
 in ... from the grass to  
 low brush. I suppose there to  
 be ... it ... have no  
 ... of *capulisti* ... may be  
 incorrect in assigning that name  
 insects and acids. Shot at short  
 range, and the tail of 234 is  
 nearly torn off. Notice the short  
 claws on the hind toes of a 33.

5922

35 *Pezomachus* 5.1x1.0 ♀

5923

36 *Pezomachus* *castani* 5.6x1.7 ♀

5924

37 *Empidonax* *hammondi* 5.9x1.1 ♂

5925

38 *Pezomachus* *colinus* 7.1x3.2 ♂

5926

39 *Pezomachus* *monticola* 11.8x1.9 ♀

5927

40 *Pezomachus* *monticola* 10.2x1.1 ♀



gains. It is one flew out and I shot  
it. It was a B. Centurus signatus.  
They have been on a nest, full of  
means of getting at it a little  
further on. I saw the hole of a Colaptes  
chrysoides sticking out of a hole and  
shot it. It flew out and fell on the  
ground, going to an incubating hole.  
As the nest was no longer of the way  
to the hole of a call Sialia bacatus  
without ~~one~~ arms and there are  
thousands of Form. saying look  
away. I did not think to get  
it. One would need to be clad in  
armor to attempt to climb me.  
I have heard that the Form. will  
burn off by ~~building~~ building a large  
fire at the base to ~~could~~ find  
nothing to make the fire of and  
had no chimneys if the ~~ground~~ <sup>at</sup> ground were  
burned off. ~~some~~ ~~one~~

20. 11. 8  
Lincen

squamae in finally saw me to  
sailed to get a shot, saw a few  
Crows killed Thrushes in the thick  
brush in the arroyos. Found many  
Scotillas in bloom and expected  
find Humming birds about them  
but saw none. Saw several Colaptes  
cafer but they are very shy.  
Saw and killed a Pyrrhuloxia sinuata  
among the Scotillas on a hillside.

Saw a number of Camptoclypeus  
brunnicapillus. Saw many Pooecetes  
lineata, also a few Amispurus flavus  
and Helminthophaga lucida which  
seem to be as abundant as to have  
taken to the hills for some. Heard  
Polioptila or two. These with a Pica  
scotaris <sup>carolinensis</sup> <sup>probatilis</sup> I believe include all the  
species I noticed away from the  
mountain side in the last night.

20 April 8

Erinon

5928

271 *Geothlypis macgillivrayi* 5.1 x 1 ♀  
Dk. brown. Bill dark to light below  
Legs pale. First seen. First one  
seen this season. One other seen. Not  
common here or in southern N. Mex.  
Common in the mountains + western  
belt. Insect

5929

272 *Pyrrhuloxia sinuata* 8.6 x 11.3 ♂  
Dk. brown. Bill yellowish horn,  
Legs pale brown. First seen this  
season, Mch 80. I saw several in  
brush fences and among mesquite  
below Tucson two or three miles  
back from Tucson, ind. a

5930

273 *Colaptes auratus* 11.6 x 18.7 ♀  
Dk. brown. Bill black. Legs  
greenish. Shot at the mouth  
of its nest. It flew out and  
fell on the ground. Lying.  
I have never seen this species  
slight or anything but in nest. *Colaptes*

April 8  
Tucson Ariz

Their distribution undoubtedly  
\* confined to the regions where the  
Giant Cactus grows, and they are  
probably found wherever it is, (as  
coming from Cal<sup>a</sup> by the Mojave  
route in 80 mi found the first  
Giant Cactus on the Big Sandy  
a tributary of the Bill Williams  
river, and saw the *C. chrysoides*  
there, in going down the Gila  
I saw the last Giant Cactus  
thirty or forty miles this side (east  
of Yuma, but they were a mile or  
so away so I don't know if  
*C. chrysoides* were there or not.  
They are fond of sitting on the top  
of the Cactus. I can tell no differ-  
ence between their notes and  
those of *C. mexicanus*. In a  
general way their actions are  
all same, contained as usual and in

20<sup>th</sup> April 1891  
in air.

5931

27<sup>th</sup> April 1891  
17.4 x 3.2 x 7  
The bird was seen in the same place  
the day before yesterday.  
The stomach contained several  
small fish (these are minnows  
in the Santa Cruz, hair, bones of some  
small animal, some covers of small  
eggs, etc. evidently had not eaten  
his morning. Laying would not  
be a laid again for several days  
probably the set is complete. She  
evidently had not incubated and  
I shall try to find the nest.  
Saw her mate also but he was  
not seen near me. I saw him  
yesterday, in the same place.  
They flew from our camp, but  
in flight to another one or two  
hundred yards or so and  
repeated it when they were  
quarrelled. They were swift and



20 miles  
 Tucson Ariz.

Falcon like cry, <sup>very</sup> <sup>loud</sup> <sup>and</sup> <sup>sounding</sup> <sup>at</sup> <sup>a</sup> <sup>distance</sup> <sup>like</sup> <sup>that</sup> <sup>of</sup> <sup>a</sup> <sup>peacock</sup>. <sup>Have</sup> <sup>heard</sup> <sup>after</sup> <sup>today</sup>.

5932  
 270 *Quirivarus flaviceps* 43x6.5 ♀  
 Caught on nest, 2/3, on egg and

5933  
 270 *Tarporhynchus* <sup>var.</sup> *salmeri*? 42.2x4.9 ♂

to Gordon Plummer.

Somehow this bird does not look like var. *salmeri*, the colors are too much faded and blended in a greenish. As I have no specimen convenient for comparison I only speak from memory of their appearance. I do not as yet have finally found var. *salmeri* yellow. Bill black. Legs brown.

5934  
 270 *Centurus uropygialis* 10.1x10.7 ♂

5935  
 270 *Quirivarus flaviceps* 44x6.8 ♂

5936  
 270 *Sol. tit. caerulea* 48x4.0

is as it is to be the only one I have seen.



2.1. 1888.

W. W. Henshaw

5941

254

*Spizella monticola*

5.3 x 4.2

♂

5942

255

*Ditro*

4.5 x 7.1

♂

5943

256

*Ditro* to C. B. Cory

4.2 x 6.6

♀

Killed near tree in low brush. This species is the most abundant of any, seen in the meadow. Their jump on all sides all day long. They seldom sing, except when they move from one tree to another, sometimes going into the low brush to do so. None to be mated yet.

5944

*Spizella monticola*

*pileolata*

4.1 x 7.0

♂

5945

258

*Merula migratoria* var. *fallax*

6.2 x 8.2

♀

d. dk. brown. Bill dark above lighter below. Legs light brown. *Spizella* 88/3. Home and insects. *Merula* and meadow of a marsh. *Spizella* seen.

22 April 81  
Lucasville

- 5946 *Tyrannus verticalis* 8.6 X 5.5 ♀  
25 *Tyrannus vociferans*  
5947 To F. Stephens 6.5 X 6.0 ♀  
20 *Tyrannus verticalis*  
5948 Ditto to Nat. Mus. 4.3 X 6.7 ♀  
261  
5949 *Vireo pusillus* 6.1 X 7.1 ♂  
26  
5950 *Pyrocephalus ruber mexicanus* 5.6 X 9.1 ♂  
28  
5951 *Pyrocephalus ruber mexicanus* 7.2 X 7.1 ♀  
29  
c. bk. brown, Bill black, legs black  
with pale edgings to the scutella etc.  
Generally distributed. Common.  
Insects, sitting.
- 5952  
63 *Pyrocephalus ruber mexicanus* 5.1 X 10.0 ♂  
Head to crown in the fore co.

23<sup>rd</sup> Nov 1881  
Nelson.

Went up the river a few miles  
this morning. Found several  
on which were Coots, a number of  
Grebe with three half grown young,  
a pair of a shot heron, and several  
as a pair of a Kingbird, several King  
and several Ducks and two or three  
pairs of Cinnamon Teal, one White  
heron, *A. egretta*, one Night Heron  
(a balance), one Great Blue Heron, and  
one small Rail, which I think was  
*C. jamaicensis*, I once mounted one  
of this species for the San Diego  
Lyceum. Killed ~~one~~ near San Diego  
Calif., and I have seen two others  
here I had no gun with me.  
The flight of this one was  
slow and the bird was small  
and dark. This I shot near  
San Diego a mile or two  
from the river on my shoulder.

20 April 8  
Tucson 1913

and a Duck in the water  
by the time I was nearly  
around a point on the lake  
around some time trying to find it  
but failed in such a way that I  
could not have gone far.

Saw several Belted Kingfishers  
also Killdeer and Shorebirds  
and an Osprey flew past.

4953  
666

*Trochilus alexandri*  
*Lanius excubitorides* 4/18/13 ♀ ad

... Bill me for blood  
... of g... I hardly know what  
to call this ... to some ...  
to ... but it is too light ...  
beneath and the bill is larger ...  
that of any ... I have ...  
me, which includes ...  
... ...  
...  
to ...  
... larger ...

son viz

5954

267

*Empidonax plumbeus*

4.6 x 3.4

♂

Bill brown. Bill and feet black.  
Mergent. First seen here.

5955  
268

M.C.B. Comp

*Lophortyx var. cooperi*

8.2 x 2.7

♂

5956  
269

*Cardinalis var. igneus*

9.7 x 2.7

♂

Bill brown. Bill reddish, as the  
in front low bush usually in  
streams. Scarcely common, seen in

5957

*Colaptes auratus*

6.1 x 1.9

♀

5958

*Colaptes ludovicianus*

6.8 x 1.6

♀

Bill brown. Bill dark brown, under  
at base. Legs brown.  
seen here in north

5959

270

*Colaptes auratus*

7.5 x 2.5

♀

Very active. Appears to have  
finished laying her set. It is  
little more than a few days  
to be seen here and



25  
 ... ..

- 5960  
 273 *o. riza* ... 5.7 X 8.6. ♂  
 5961  
 Ditt. 5.2 X 8.5. ♀  
 ... brown. Bill ... above  
 ... yellow below, especially  
 ... legs ... brown, ...  
 ... ..  
 5962  
 75 *Picus incisillus* 5. X 7. ♂  
 5963  
 7. X 6. ♀  
 5964  
 77 *Melottinus var. obscurus* 7.3 X 12.4. ♂  
 ... brown. Bill and legs black,  
 ... very common.  
 5965  
 78 *Hypothymemus or. s. l. s.* 12.1 X 10.5 ♂  
 Parent of gi.  
 5966  
 79 *Helminthophaga lucciae* 4.3 X 6.7 ♀  
 Near Longing.  
 5967  
 81 D. T. 2.7 X 7. ♂  
 5968  
 8 *Pyrocephalus var. mexicanus* 6.7 X 10.2 ♀  
 ... .. 9/14/3  
 5969  
 82 *Picus incisillus* 5. X 7. ♂

5970

283

Bill black  
Tarsus black

Bill black  
Tarsus black  
Legs black  
This is the first  
I have seen in Arizona, found  
it common in San Diego Co. Cal.  
Body black about the head

5971

284

Phaenopelta nitens 7.9 X 13.8

Bill and legs black.  
Not common here, I had expected  
to find them abundant.  
Have made attempt at a  
song. They have a sweet, though  
not loud song, they are very  
loud. Phaenopelta species are  
in their season P. nitens are  
scarcely, he found elsewhere  
in their vicinity. They  
had been very scarce in N.?  
and on the Pacific Coast.

26 Oct 8

Orange

5972

85

Melody like 3 people 11.1/11.7 C  
 P. dk. orange Bill back. Legs  
 dull red. Bare orbital shield  
 blue. One thru nose. Rather  
 shy. These are the first  
 ever seen. Note similar to  
 those of the Carolina Dove but  
 hoarser and uttered as if  
 with an effort. Here in the  
 edge of the Mesquite at the  
 foot of a hill. In this place  
 up on the hill and lit at  
 top of a Giant Cactus.  
 Branch contained many  
 seeds and a few seeds. Flesh  
 rather dark.

5973

86

5974

87

Two vicinior

Ditto

5.6 x 8. ♀

5.1 x 8.5 ♂  
5.6 x 8.3 ♂

P. dk. brown, Bill black, dusky, dark  
 above. Legs light. Plumbeous. It is  
 a very dark bird. Very first seen in 1885



5977

240

5978

211

*Helminthophaga celer* 5.8.73 ♀

*Do ito* 4.8.73 ♀

Bill like *Helminthophaga*  
at the same time. I have not found this species  
common anywhere.

Went out to the hills  
this morning. Grass is a  
source for the horses that  
will have to go back to the  
river tomorrow. Heard some  
Thrushes but could not get any.  
Several White winged Doves  
flew past during the day.  
Their flight is like that of  
the Barn Swallow Pigeon but  
slower.

5979  
 202 *Pyr. barozensis* 4.2.10. 1.  
 5980  
 273 *...* 27.11.10. 3

found a variety of notes, some  
 of which were loud and pleasant  
 and some a lower chirping.  
 Found no extracted notes, the  
 lowest was no more than  
 a note, some in some  
 way.

5981  
 27 *Delacourus costae* 3.5.5 X 4.5.2 8p

5982  
 275 *...* 5.9 X 10.2 ♀

It might have been the  
 one in the field, the present  
 one, and we tried some time  
 to get to see it and shoot it if  
 road be it could not. I shot  
 it several times in the night  
 and again at daybreak to  
 try in vain although I have  
 a good deal to see it since the  
 first time.

59

the I heard was "kerr" &  
many times I heard a  
"Tu-ju-u-u". This morning  
commenced cutting down cactus  
again and after falling a dozen  
or so I found this one. Found  
no eggs of any kind.

The female was rather near  
laying than the male.

Have this one skinned.

After skinning this I went out  
and cut more cactus and  
again succeeded in getting  
one. On the way to camp I  
shot an eterus cucullatus.  
The horses were suffering for want  
of food and water. Did not  
stop to skin that last one but  
now I come to the nest.

5983

6 Micraetis whitelyi 5.9 x 15.2 ♀  
No. 5984. 5.9 x 15.2 are the males



Journal 85'

May 12

~~24th May 1888~~

... by the ...  
try to skin it until after  
eating a late dinner.

5984

29th May 1888

...  
...  
... are ... a little ...  
... the river, about ...  
... of the ...



25 1891  
Tennessee

5989  
302  
5990  
303

*lituro - slaygata* 16.3 x 2.1 ♂

17.0 x 2.0 ? 3.0 x 2.0 ♀

I have still greater doubts of  
this being being *lituro*  
form & you look for other  
insts of this species but after  
most of them were within a year  
of one another I get a good view  
you will see no difference  
in plumage or appearance  
and seen no males.

5991

305 *Colletes mellicox* <sup>6.5 X 1</sup> ♀

collected in either  
305 or 311. Should have been  
in a rock.

5992

305 *Asturina flagipes* 16.4 X 3.1 ♀

5993

306 *Melobolus discolor* 12.4 X 7.6 ♂

Kind, notes uttered in a  
jerky manner.

5994

307 *Syrceus halus* var. *mexicanus* 5.9 X 3.2 ♀

Laying.

5995

308 What is it. *Oreuttion imberbe* 7.8 X 2.2 ♂

D. dk. brown, S. dk. black, basal  
half of lower mandible reddish  
brown. Legs black, notes  
shrill. Yesterday and today  
heard it ten and when  
got its direction it would  
remain silent or fly very  
nearly. When I finally caught  
a shot at it, its mate was  
sitting near.

... coming home from  
 ... a ...  
 ... a ... near  
 the road and we ...  
 immediately ...  
 ... size of the Red  
 tailed Hawk. Had a tail as  
 white as that of an old Bald  
 Eagle, also a white patch on  
 the wing, which appeared to  
 me as if the secondaries were  
 ... The feet of the  
 ... appeared to be dark  
 ... only saw it when  
 it was ... 20  
 yards and might easily have  
 been mistaken.

- 5996  
 37 *Heterosynchelus crissalis* 11.7x12.7 ♂  
 5997  
 310 *Ocheria* <sup>var</sup> *longicauda* 7.5x9.9 ♀

I ... have seen  
 ...

18.7 X 4.5  
1902

5498

311 *Bufo borealis* 18.7 X 4.5  
C. Brown, Bill Hack, becoming  
greenish at base both above  
and below. Blue legs and feet  
yellow, claws black.  
I was standing on a dam in the  
river at the head of an irrigation  
ditch, among willows, waiting  
for something to turn up, when  
below me in the stream a creature  
as I supposed at the time, attempted  
to catch some minnows in a shallow  
place spluttering over the water  
trying to catch the little fish  
with its feet, and saw blindly  
I was sure failed and lit on  
the dam ~~below~~ below me  
could not see it very close  
and still saw it. I pulled  
it out and held it and while  
I held it it was seen to

... ..  
... ..

I think my New Mexican  
specimen was no white at  
the base of the cere as this he  
and the ~~color~~ black color is  
black, and the base of the  
feathers white than that.

My specimen is not at hand  
so cannot compare them,  
I have examined two birds  
... .. scales and feathers  
... .. male as his sexual  
... .. the smallest I ever  
... .. any Hawk at any season.

5999.

... .. 8.6 X 10.8 ♂

0.  
3/4



6000

313

528. Ornithion inherbe

7.1.17.2 ♂

This lyco clari was sitting on the top of the nest for some time in the morning, singing in a cat like song.

"yoop-yoop-yoop-ped-ded-ded", the first half uttered very deliberately. The rest ~~was~~ rapidly. The note is "Teeer, pur-pur" as in the first with a high shrill note on leaving the note each time. I followed on some time yesterday and to miss it at last. Its habits are much like the small lyco clari, but does not jerk the tail much. It is shy and so far rare. I have never before seen it.

6001

314

Pipilo a erit 8.7X10.9 ♀  
Light brown. Bill brownish  
horny blue.

100  
Usual with a sharp chirp  
they heard yesterday for the  
first time. It is difficult to  
describe. It is a pair and also  
the individual raises to a high  
keef and <sup>200m</sup> intrudes to near  
the former, occupying <sup>200m</sup>  
two seconds of time.

I have found this species co-  
along the Colorado and Gila  
rivers, and saw one pair in  
the San Pedro, and this pair  
here. They appear to be restricted  
to the vicinity of streams and  
in this track, though they pre-  
fer more than is usual in  
the genus. I have seen them  
hunting insects in the back of  
all in a manner similar to

... nests are rather bulky, sometimes  
built in bushes near the ground  
and a pair in trees, I found  
one in a house of multicolored  
birds just above the ground.  
The species is common here.

6002

3 *... ..* 53X68 ♀

6003

3:1 *... ..* <sup>*castani*</sup> ~~*... ..*~~ 51X50 ♀

6004

3:7 *... ..* *... ..* 83X68 ♂

- 6005
- 31
- 6006
- 6007
- 320 *Tyrannus vociferans* 8.7 x 15.6 ♀
- 6008
- 321 *Myiela alcyon* 13.6 x 22.4 ♀  
 Bill black, base  
 base of bill, legs dark. Several  
 frequent this stream.
- 6009
- 322 *Pooecetes billineata* 5.8 x 8.1 ♀  
 This is the first seen here  
 in the timber, but it  
 is common in the brush  
 half a mile east. This  
 one must have come for  
 water as she was at the  
 acequia when shot.
- 6010
- 323 *Amurina flagrata* 6.3 x 8.3 ♀  
*Stenocercus* was the  
 species is still common  
 in this part of the timber.







6017

*Setophaga ruticilla* 165X334 J  
Brown. Bill <sup>yellow</sup> black.  
Iris, rictus, legs & feet yellow.





6026  
 99  
 6027 *Lat. Mus.* 1.9x2.2 ♀  
 6028 1.1x1.1 ♂  
 34 6.0x1.0 ♂  
 6029 6.0x1.0 ♂  
 342 8.2x1.3 ♀  
 6030 0.8x1.0 ♂  
 77

6031  
 74 *Tyrocephalus var mexicanus* 1.1x2.2 ♂  
 6032 Ditto 5.8x9.8 ♂  
 345 *Tiges <sup>castani</sup> ~~var~~* 6.3x4.7 ♀  
 6033  
 346

6034  
 47 *Subo virginianus* var? 20.8x5.2 ♀  
 low, bill ♀ laws black  
 Parent <sup>hc</sup> 2 - bill enclosed  
 adult 1 and one young  
 one or three days old  
 I put in alcohol. stomach  
 contained 4 small insects

6035-

348

*Agelaius var. auduboni* 219X489

... n, Bill, pale green of ...  
 ... ing nearly white at ...  
 ... ..  
 purplish red to ... ..  
 ... .. while it is whitish  
 ... white with a ... ..  
 ... .. is the "Hawk"  
 ... .. a note of ... ..  
 It was in company with  
 Turkey Vultures & Ravens at  
 a slaughter house. Another  
 ... .. is accompanying it. It seems  
 to be a carrion feeder, and has  
 much the same habits as  
 Turkey Vultures as near as I can  
 learn, ... .. wilder than  
 ... .. as it flew up first  
 ... .. tried to approach the  
 ... .. in regard  
 age ... .. as well as ... .. at  
 from internal characters in ... ..  
 of ... ..



6037

356

*Callisitta pusilla* 23x12x7 ♂

6038

357

*Bille* 10.7x15.3 ♂

6039

352

*Callisitta pusilla* to G. Phumma. 10.7x14.7 ♂

... this morning ...  
... the same ...

6040

353

*Callisitta pusilla* 5.8x8.1 ♂

All birds I have marked  
... have a dark spot  
... in the ... eyelid. It is  
... to show it in water  
... the same

6041

354

*Callisitta pusilla* Cassini 5.1x8.8 ♂

... above and in ...  
... light ...  
... end ...

... miles south of ...  
... the ...

6042

355

*Callisitta pusilla* var. arizonae 5.7x8.7 ♂

... in ...  
... the ...

W. G. Stephenson

... the ...







6052  
820

To J. Stephens  
*Circus lateralis*

♂ 7.5 X 5.05 ♀  
Bill above & tip black, base  
red below reddish

6053

Common

♂ 7.5 X 5.05 ♂  
Bill & feet black, legs

6054

♂ 7.5 X 5.05 ♂  
Bill black, base reddish  
Bill above black, base  
reddish below reddish

Legs light brown, feet  
black, claws black

6055

368 *Pipilo maculatus mexicanus* 7.5 X 4.0 ♂

6056

♂ 7.5 X 4.0 ♀

Bill above black  
below dusky lighter in  
middle, Legs reddish

6057

Common

♂ 7.5 X 4.0 ♀

13 March 81

Ward's area 1981, 1982

6058

9/11 *Contopus var. richardsoni* 6.7 x 10.7 ♂  
dull brown. Bill black above,  
nearly below. Lighter at base  
of bill. Common

6059

1/2 *Contopus wollweberi* 5. x 8. ♂

6060

3/3

6061

*Dendroica townsendi* 5.3 x 8.1 ♂

Ditto 7.9 x 7.5 ♀

dull brown. Bill & feet dusky,  
soles yellowish. Male. 11/11

6062

7/5

*Contopus borealis* 7.1 x 11.9 ♀

~~13.2 x 20.2~~

14 June  
Florida Pal

6063

7. *Aphelocoma* var. *arizonae* 19.2 x 20.2 ♂  
abundant. No nest seen.

6064

we found them elsewhere.

6065

7. *Cinnyris* *hammondi* 9.2 x 2.7 ♂

6066

*Cinnyris* ~~max~~ *hammondi* 5.3 x 8.1 ♀

6066

7. *Cinnyris* *striata* 8.6 x 4.7 ♂

6067

*Zonotrichia* *leucurus* 8.1 x 2.7 ♀

Should have laid in ten days or so.

6068

8. *Sayornis nigricans* 4.7 x 1.4 ♀

light brown, shell & legs  
found none or less abundant  
than in permanent streams. Not  
seen in mountains very  
high. Nest under a rock in  
wild under bridges & sometimes  
in abandoned buildings. of nest at  
bottom their eggs were  
destroyed.

6069

*Circus* *latirostris*  
#356 36 ♂

destroyed; see May 19.

6070

83 *Seris* *sericea* 8.6 x 13 ♂  
 Rather common here in the  
 foothills. Also saw them  
 in cactus thickets on the hills  
 as we came up, so they are  
 not so exclusively a mountain  
 species as I had supposed.

6071

84 *Lophohanes wollweberi* 5.1 x 5.3 ♂

15 May 81

6072

385 *Elanus* *latygerus* 7.0 x 7.9

6073

386 *Parus* *subaticus* 2.4 x 2.8 ♂

16 May, 8

to the ...

6074

*Panicum var. boncarli?* 6.18.1 ♀

*Is this var. arizonae?*

on hill back of ...  
light ... below, ...  
just ...  
no others seen. High up  
in hills in grass & brush.

6075

358

*Myiarchus lawrencei* 7.1 X 10. ♀

6076

*Cens. stricklandi* 8.2 X 4.4 ♀

on ... nest, which  
seemed to contain young. At the  
shell of the tree (a *Cycas*) was  
very hard and I had only a  
pocket knife to cut with  
did not attempt to open it.

detached in May 19

The voices of the young, sounded  
as if they might be two weeks old.

6077

390

*Strophaya bicolor* 5.7 X 9. ♂

This species has a fern like ...  
examining the bark of trees for insect ...  
is common.



ki ...  
... ..

6078

391 *Sonipha melanosticta* 87X128

Common high in the Mts.

6079

392 *Colobus verticillatus* 7.5X10.5

Dusky brown. Bill above black. In  
juv. dusky toward tip.

Went to the summit of the range  
to see if there were any species there  
that were not here, but found  
little difference. The country on  
the other side looks very different.

Killed a Deer, Saw a suspicious  
moccasin track. Found a nest  
of four Arizona Jay eggs near  
hatching that some were <sup>so</sup> double.

6080

393 *Chordeiles texensis* 88X22

6081

394 *id.* 81X20

I know of the individual birds  
that were seen. I must  
come next at ... ..

6082

C. B. Cory.

Mitred ... var. hollecombi 51X79 ♂

Upper ... below  
yellow ... black

More ... common in  
the ... rather common near St. Bayard  
W. ... note is in  
shape similar to some ...

6083

Chrysophorus anna? 38X41 ♀

6084

irides var. reticulatus 64X97 ♀

destroyed  
in May 19.

Upper brown, bill black, brownish  
below. Leg very pale  
brown, ...

First ... in Arizona  
rather common in ...  
... migration

6085

Picus striklarum 78X41 ♀

6086

Sitta N.W. Henshaw 70X41 ♀

... hat ...

15 miles W. Cor.

- 6087 *Myiarchus cinerascens* 7.1 X 2.8
- 6088 *Sitta* 7.1 X 10. 9
- 401 *Sitta* 7.1 X 10. 9
- 6089 *Sitta* 7.1 X 10. 9
- 402 *Sitta* 7.1 X 10. 9
- 6090 *Sitta* 7.1 X 10. 9
- 700 *Sitta* 7.1 X 10. 9

The wind is blowing  
 found a cabin where the  
 species was quite plenty took  
 Killed another Deer this  
 morning and saw a very  
 large deer this afternoon while  
 looking for my horses.  
 made off with a 2/4 Cal  
 ball sink of my auxiliary.  
 As the brush was thick I did not  
 follow it.

6091  
404

*Colinus virginianus* 2.5 x 2.2 ♂  
Iris brown. Bill black.

6092  
405

# *Circus lateralis* 3.88 x 4.98 ♂  
This species seems to prefer the

L. H. Stephens

vicinity of water and is  
often seen there, the  
deep perch and fringing trees  
in their view of their surroundings.

6093  
406

*Accipiter cooperi* 16.7 x 30 ♂  
Iris brownish red. Bill black. Tarsus  
greenish, legs greenish blue. Irides  
greenish yellow. Irides of

Bill to indicate the eggs.  
I made several imperfect attempts  
to get it and finally succeeded  
with the rille and nearly as  
a new set. They are very common

6094

*Parus* 4.2 x 6 ♂

6095

*Pyrongia ludoviciana* 7.3 x 11.0 ♂

Iris brown, bill blackish above, yellow  
below. Legs blackish, feet black  
Iris common.

his remaining find that  
... probably ...  
... destroyed some things ...  
the night ... had left the ...  
... to facilitate drying.

The head of ... further  
... 3, 2 is ... broken off, ...  
... The head of the  
... 382 is gone. No. 397 is  
totally destroyed, so is #389.

#378 is missing.

6096

40<sup>th</sup> Arctostomus nullatus 18126 D

Killed last night ...  
two or three nights ...  
... heard occasionally ...  
A. var. nizonii, but since then  
... have not heard it.

"a whistle" ...  
... like "so wu"  
... more like "Pul-"  
... at ...









2 May 87  
2.5 Miles south of T. m.  
to Geo. N. Lawrence

6112  
725

*Campylorhynchus bairdii* 6879.3 ♂  
I had found a nest containing  
three young nearly large enough  
to fly in a cholla, near where  
we had camped over night  
and was looking at them when  
I saw this bird coming with  
me to get them, and shot.

6113  
728

Iditto. 6879.7 ♀ juv  
One of the three mentioned above.

Another was put into alcohol.  
"light gray. Bill dk brown above  
below, and legs, feet bluish

6114  
727

*Campylorhynchus brunnicapillus*  
Taken from nest 6879.5 ♂ juv  
Bill blackish, legs feet  
light brown.

Got to and set camp in the  
river about Tucson.

6115 *Spizella monticola* 62X14 ♂

6116 *Spizella monticola* 62X17 ♀  
Linn. & G. At bird club.

6117 *Spizella monticola* 82X16 ♂  
No 9. Plumage.

6118 *Melospiza cinerea* 12X11 ♂  
No 7. Stephens

These birds were looking for food  
in the day. They were  
in winter, but not in winter  
and had eggs. Some were  
active early on.



to carry &

6124 40 H. W. Henshaw.  
437 *Col. orthogynus erudatellus* 12 x 8 juv

6125 38 *Proct. ...* 7.5 x 5.7 ♂  
Bill Hall

6126 3 *black ...* 3.1 x 2.7 ♀, juv

6127 44 *Picus ...* 7.1 x 2.6 ♀, juv

6128 37 *...* 7.2 x 2.7 ♀ juv  
Same brood

The ... was certainly the  
of various ... but had  
been used on a previous season  
and undoubtedly the ... became  
used it instead of ... a  
new one in a crevice or ...  
since a pencil. I have found  
many old nests of ...  
were in ... a few ...  
...

78 7/8 Stephens

6129  
x 4/2

*Peneidea carpalis*

432

5.5 X 5.5 E. juv

6130

440

*C. u. r. pusilla*

5.9 X 8.7

S. Brown, Bill Hunt, etc. pub. dist.

Leg. Mack

61  
62  
To G. Thomas

28 March  
morning

6131  
444 *Sylvia arctica* 89x11 ♀  
Parent of iv 13. Hatched

6132  
445 *Coccyzus americanus* 72x12 ♂  
Bill black above  
greenish below. Legs black.  
Bird we seen this season.  
Quite frequent. Common on  
the island in 1876. Not rare  
in Cuba.

6133  
446 *Oreithyon inubabe* 75x67 ♀  
iv 2, 5 & 13.

6134  
447 *Oreithyon inubabe* 37x62 ♂  
Parent of the next. *Thamnolais*  
I saw the male note of the ♀, and  
looked her up, when she saw  
me she came around and asked  
as if I had a nest near. I looked  
on the hill and then saw  
while picking her up it was  
a single egg of the same kind  
and saw the *inubabe* on the nest.

To G. Thayer

nest question

6135  
448 *Chondestes* 65x12 ♂





6139

452

6140

453

6141

454

6142

455

occ. reg. ...

J. G. Allen Mus. Comp. Zoo.

*Leptorhynchus beudanticus*

To Nat. Mus.

...

ditto ...

5.6 X 8.7 ♂

10.3 X 3.3 ♂

...

...

...

10.4 X 3.2 ♂

Examined a couple miles  
 above Cassin Level. There  
 will be ... billions along  
 the stream. The Mosquito are  
 small and ...  
 ... the Giant  
 ...



and in my fly net the lice  
 are all a new species. They  
 are seen all the way by  
 swimming in trees, can fly up  
 to a tree and by my catching a  
 one and sailing up a number  
 saw they do not attempt to  
 swim up, but can increase  
 their speed when swimming by  
 using their wings also. Found  
 lizards and great holes, lizards etc.

6144

457

*Coccus circulatorius* 8.1 x 0.7 ♂

6145

50

? *Coccus pumbea* 7.5 x 5.5 ♀

the tree.

6146

450

*Coccus caryocides* 11.2 x 13.6 ♀

This is a new species, from a new tree.

6147

460

*Harporhynchus* var. *calmeri* 11.1 x 13.5 ♀

This is a new species, from a new tree. It is very small and is found on the same tree as the other species. The specimens are very small and are very similar to the other species.

6148

461

*Leucis* ... ♀

6149

462

*Megaron* sp? 9.9x7.1 ♂

6150

463

Ditto 9.6x7.7 ♀

6151

467

Ditto 9.5x7.4 ♀

Larvae

Some time, the ...  
A with four more ... heard ...  
a note ... that ...

*M. cinereus* is not differing much  
that ... it would ... while in-  
vestigating, with the result of  
seeing four or five above species, and  
obtaining three of them. They were  
in low bushes, and easily  
approached. It is not ...  
... as it was late on  
... in ...  
... continued ...

They appear to differ from the  
... in ...

me &  
well

6152 \* N. W. Henshaw.  
*Tyrus phalurus* var. *mexicanus* 5.7 x 4.9 ♂

6153 ♂ juv. 5.7 x 4.9 ♂ juv.  
This and another young bird were following the ♂ around while he fed him. Although I was allowed to see as quick and easy a flight as I have seen did not appear to me to be so quick the next.

6154 *Cathartes aura* 10.2 x 16.8 ♂, juv.  
This bird is simply means not fully mature and is at present is at a young bird. From the tail it is the nearly adult stage. The above bird was sitting. The Woodpeckers here seem to all <sup>be</sup> at an early stage in the later of incubating.

6155 468 *Myiarchus* sp? 10. x 14.3 ♂

6156 464 *Colaptes auratus* 11.7 x 8.8 ♂ juv.

6157 73 *Myiarchus cinerascens* 8.7 x 2.7 ♂

6158 76 *Am. ...* 4.6 x 2.7 ♀



2 Jan  
1900

6162  
475 *Troglodytes* 10.2 x 17.3 ♂ juv.

6163  
6164 *...* 10.1 x 17.9 juv.

6165 *... usopygialis* 8.2 x 14.8 juv.  
% Nat. Mus  
*... var. ...* 11.7 x 13.9 ♂ juv.

6166 *... whitnaji* 8.2 x 15.2 ♀

6167  
6180 The sitting on your eggs which  
were almost hatched, the teeth  
broke them and one "pucked"  
loudly. I saw five of them  
pieces of shell fall into dishes.

6168 *... rhyaculus var. ...* 6.6 x 7.7 ♂ juv.

6168  
81 *Tyrannus verticalis* 8.5 x 2.1 ♀

To W. W. Henshaw

6169  
482

*Tringa erythroneura* 7. XI. 3. 4. ♂

Bill greenish, iridescent  
base of bill green, ~~and~~ dull  
greenish yellow. Claws black,

I have heard this or another of  
the same species several mornings  
singing? in the Cottonwood near  
camp, and this morning succeeded  
in finding it. The note was

~~cluck~~ "cluck-cluck" repeated  
about twice in second or three  
seconds, quite loud for the air,  
from bird. At each note it  
jerked the tail, and the head  
was thrown back with the bill  
pointed out. A few times when  
the notes "cluck" repeated the  
— lower, so they were not  
noticed as far as I have heard

See no 495-

a small one for several evenings  
with... is... as...  
... ..



6170

6171

6171

6171

The sun was shining  
 205 x 265 ♀  
 55 x 8.1 ♂  
 A few minutes ago while  
 I was working in a cedar  
 bush in a thicket a small  
 bird flew from it, and I only  
 caught a glimpse of it, and  
 thinking it had flown from  
 it, I stood scanning the  
 bush for it, when I saw a  
 Whistling Owl sitting on a limb  
 with its side toward me, and  
 one wing held up shield fashion  
 before its face. I could just see  
 its eyes over its wing. It had  
 squeezed itself together into the smallest  
 possible contour so that its  
 head was in widest part of  
 its outline. It looked very comical.  
 I backed off a little and walked  
 around to get a better view.

3 me J  
 2000

to shoot from in bush  
 was thick. Whichever way  
 the wing was interposed and  
 when I backed away, for  
 to shoot, could not tell which  
 was Owl and which was leaf,  
 but after working a while  
 by guess and it fell, I  
 up and was picking it up  
 I was surprised by another of the  
 same species, which I had  
 seen at all before, of him,  
 me. Of course some other  
 had struck it, but at first  
 I almost imagined it had  
 been frightened to death.  
 The bird that flew out of  
 the bush was of the same  
 species.

6172  
 485 *Micraton whitneyi* 5.7 x 4.8 ♂  
 6173  
 786 *Ex...* 5.4 x 4.6 ♂  
 6174  
 + 51 ... 11. x 3.7



same 8  
Linnell

6177  
490 *Curatella whitnigi* 6.7 x 4.6 ♀

6178  
491 Oatrus, Two young birds.  
*Myiarchus* sp? 6.2 x 4.2 ♂

6179  
492 *Myiarchus* to J. Stephens 5.8 x 4.3 ♂

6180  
493 *Myiarchus* 4.6 x 3.7 ♀

This series has quite a number  
of nests, some of them almost  
trachea-like.

6181  
494 *Myiarchus cinerascens* 8.1 x 2.7 ♂

6182

As W. A. Brown, Phila

40's *Sialia mexicana* wintering ex. 5. ♂  
 at night in daylight  
 a. white body, and blue  
 crown - *Sialia mexicana* seen usual  
 for *S. mexicana* and some  
 for *Sialia* in Alder and Willow  
 tree calls, or which were all  
 of them are different from those  
 heard the first time I made  
 a *S. mexicana* of *S. mexicana*  
 and are those mentioned under  
 # 612, probably heard the 1st  
 and 2nd time, and there are those  
 of the 3rd. The females seem to  
 pass the day in the Giant cedar  
 while the males stay in the brush

6183

*Sialia*

ex. 5. ♂

6184

498 *Empidonax pusillus* 5.1 ♀

6185

498 *Empidonax pusillus* 5.1 ♂

Drove back to our old camp  
above Tucson.

The song of the adult was a  
 long drawn "pew" differing in  
 tone from the song of my other  
 male of same kind. I saw a  
*B. gossweili* near Camp 498  
 on 5/1.

6186

7.11.11 *Acridothera* 57x50 ♀

Accidentally killed in the  
 lower visible and brown  
 the skin away.

6187

20 *Poliostila plumbea* 70x58 ♂

6188

21 *Buteo* *macrurus* 19.2x48.4 ♂

6189

21 *D. t.* 21.2.53.1 ♀

I went out in the morning  
 looking for nests when this  
 male came circling over me.  
 On shooting him the female  
 came immediately and suc-  
 ceeded in getting her way  
 then we that they had a nest  
 near, and soon found it was  
 now than a hundred yards  
 away, but I should never have  
 found it if their actions had  
 not betrayed its presence.  
 It was a very fine specimen  
 of the species.

June 8  
Tucson

6190			
509	<i>Harporhynchus erivialis</i>	11.7 x 2.1	♂
6191			
504	<i>Chordeiles urgens</i> <sup>to J. A. Allen</sup>	8.8 x 2.1	♂
6192			
505		8.2 x 1.5	♀
6193			
506	<i>Zonotrichia macroura</i>	5.5 x 1.6	♂
6194			
507	<i>Empidonax pusillus</i> X	8.1 x 4.8	♂
6195			
505	<i>Sitta</i> " "	5.7 x 8.3	♀

Saviny.

6196			
509	<i>Zonotrichia</i>	5.7 x 1.6	♂
6197			
508	<i>Melospiza</i> var. <i>fl.</i> sp.	6.5 x 8.4	♂
6198			
509	<i>Arremonops proreus</i>	8.1 x 13.2	♀
6199			
512	<i>Coccyzus americanus</i>	12.6 x 1.7	♂

J. Brown, B. C., ridge and the  
 end top below black, the  
 proreus is yellow. Legs and feet  
 brown. I am inclined to think  
 much the color of the ground  
 seems. This is the first of the  
 species I have seen in Arizona  
 near another, they are



...  
...  
...

6200  
3  
6201

Chamaeulidia

in series 5708

♂

etc

5707 ♀, m

1

6202

515 *P. ...* 8.1 Nov 2 ♂

6203

516 *...* 7.8 X 7 ♂

6204

517 *...* 5.5 X 8.1 ♀

6205

518 *Empidonax pusillus* ♀ 5.6 X 8.2 ♀

6206

519 *... a fortis* 8.7 ... ♀

6207

520 *...* 7.3 X ... ♂

6208

*Chamaepetitia* var. *conspicua* 17x9.4 ♂

6209

*Chamaepetitia* var. *conspicua* 18x12 ♂ juv

6210

*Chamaepetitia* *passerina* 6.8x4.8 ♂ juv

6211

*Chamaepetitia* *passerina* 2.7x1.1 ♂ juv

Yo. Nat. Mus.

alibi from nest; in the same

nest as an adult. See 6212

and 6213. Both birds.

6212

*Chamaepetitia* var. *conspicua* 5.5x6.9 ♂

6213

*Chamaepetitia* var. *conspicua* 8.1x12.5 ♂



June 17. 88  
10 miles north of Tucson.

6215  
528 *Scimus parisorum*? 7.9 x 1.7. ♀ juv  
dark crown. Bill brownish black.  
Iris, dull blue.

Started for Canon del Oro  
Camped for the night about  
20 miles north of Tucson.  
Saw through a desert country,  
very little grass. Mesquite Palo  
verde, Cholla, Giant cactus &c  
abundant. Not many birds, mostly  
thrushes. Found no horses &c -  
a well at ten cents a gallon.

15 June 8  
25 miles north of ...

6216

*Bendirei*, warbler

520 *Harporhynchus* ~~ten~~ <sup>?</sup> 182 x 27 ♀

Yellow, Bill black, Legs blue  
bluish or greenish. May prove to  
be *H. bendirei* but I can see no  
indications of spots. Musquit  
has raised a brood.

6217

530

*Empidonax* *torquatus* *brunnicapillus* 82 x 11. ♂ juv

6218

531

ditto 82 x 10.5 ♀ juv

Reddish brown. Bill black, blue  
below. Legs bluish brown.

These seasons birds.

Drove to Canon del Oro, only  
a road that we had been on  
on a wild goose chase for the  
only "road" up the cañon is  
rough pack trail, and the  
water here is very poor and  
scarce, and no horse feed.  
Birds are birds plenty, so we  
shall turn back.

10 miles &  
25 miles north of

6219  
532 *Callipepla squamata* 10.2 x 10.5 ♂

6220  
533 ditto 10.5 x 10.5 ♂

6221 To C. B. Cory  
537 *Harporhynchus* var. *gairneri* 11.7 x 11.4 ♂

6222  
530 *Callipepla squamata* 10.6 x 10.5 ♀

It would have died in a few days, mate to the next

6223  
536 Ditto 11.3 x 11.8 ♂

This is the most westerly unit at which I have seen this species

6224  
537 *Harporhynchus bendirii* 12.1 x 12.7 ♂

6225  
538 Ditto 12.1 x 12.5 ♀ juv

6226  
539 Ditto No Nat. Mus. 9.8 x 2.7 - juv

Some organs mentioned by

6227  
540 ditto 10.1 x 12.8 ♂ juv

Drove back five miles and made a dry camp in the desert. Found the Blue Quail tolerably common. 5-20 will prove to be *H. bendirii*.

me 8  
the water of the

6228 to G. Plummer

57  
6229  
572  
6230  
57

*Empidonax hammondi* *truncicaudatus* 8, 20, ♀,  
*Loxia curvirostris* *gambeli* 20, 5, 6, in  
with 27, 10, 0 in.

6231  
57

Intro to C. B. Cory. 11.11.23 ♂  
Parent of a well reading  
I rove to the well, 15 miles  
west of Mecon, and had  
me to look for Massena  
Partridge but were said to  
be seen near by occasion  
but could find none.  
While coming down a steep  
hill I saw a stone into a  
bush below me, when two  
owls as large as or larger than  
the Barn Owl flew out. They  
were much the color of the  
McCullis Owl. I missed with  
both ~~shots~~ barrels, and the  
went out of sight. I do not  
think

62  
5  
6  
6  
4  
6  
4  
6  
2  
6  
62  
3  
72





200 mm f

6240.

553

nicob

3A15

♀

6241.

557

200

exp. com

5.8 x 0.7

♂

62  
5  
62  
62  
60  
62  
61  
62  
6.  
62  
63

6242

*Myiarchus cinerascens* 11.3 x 2.1 in

6243

*Myiarchus cinerascens* 10.2 x 2.6 in

6244

*Myiarchus cinerascens* 10.1 x 2.2 in

The birds were in a more  
open area where  
the birds could be  
found in a few minutes  
with not so much  
undergrowth and the  
cacti were absent  
are near by, the other two  
are in the water

6245

5-8

<sup>1/2</sup> *Myiarchus cinerascens* Cooperi

9.8 x 2.0 in

6246

Ditto

7.1 x 3.7 in

6247

60

*Myiarchus cinerascens*

17.9 x 3.2 in

6248

1

*Buteo virginianus* var?

1.92 x 4.92 in

6249

62

*Chordeiles texensis*

8.2 x 2.0 in

6250

63

*Micropus whitnysi*

5.3 x 4.8 in

*Micropus viti*

6251

4.53 x 5.3 ♂

6252

A. C. B. Cory

4. . . . . ♂

6253

566

Gifted to H. W. Henshaw.

7.7 x 5.6 -

Examined on an ... near ...

6254

567

Gifted to Nat. Mus.

7.7 x 5.6 ♂

6255

*Thurorhynchus* var. ... 11 x 3.2 ♀

6256

*Campylorhynchus brunneicapillus* 3.1 x 2.9 ♂  
... have been one of a very early brood. It seems improbable to get an adult, as they are so wary, and the country is full of young which are not as cunning yet and I can not tell which from tother at all.

6257

568

*Seturus orcutti*

7.8 x 11. ♂

6258

569

*Caracara frontalis*

6.2 x 4. ♀

6259

570

*Caracaras* ...

6.8 x 7.3 ♂

6260

13

A. C. B. Cory

8. 20. ♂

24, 1918

6261

5. 1. 1918. *apensis* 7. 20. 6. 4

6262

5. 7. 5. 1918. 8. 12. 6. 5. 4

These two hands were shot  
 at once. *apensis* abundant  
 in morning. The fruit in  
 the morning. The fruit in  
 the fruit is a greenish, like  
 and the several birds are  
 feasting on it. It is a  
 the size and shape of a fig.  
 The inside is filled with a  
 soft red pulp, thick in places.  
 The Indians are very fond  
 of the fruit which is very  
 and good eating.

The fruit grows on the crown  
 of the body and arms, and can  
 be reached on the arms with  
 a pole or a stick.

23 imm ♂  
 Cinn L. 1001

6263

572 *Chrysomelid* *varia* 12.3 x 7.2 ♀  
 I am not sure of this of the *varia* group  
 only because I have seen the  
 species in the *varia* group. I do not  
 think it is a *varia* group at  
 all. I think it is a *varia* group  
 but seems to me to be too large  
 for *T. alexandri* as it must be  
 unless the females average less  
 than the males, which is con-  
 trary to my experience with  
 this species.

6264

577 *Chrysomelid* *varia* 10.7 x 3.9 ♂ juv

6265

578 ♂ 11.6 x 2.6 ♂

6266

579 *Chrysomelid* *varia* 8.1 x 1.6 ♂

6267

580 *Chrysomelid* *varia* 23.7 x 2.0 ♂ juv



- 6278 *Chamaeleon* sp? 97.3.6 ♀
- 591
- 6279 98.3.8 ♂
- 592
- 6280 *Chamaeleon nitens* 70.7.10.9 ♂ juv
- 593

St. John, Barb. & Reg. Hall,  
 I have never been able to discover  
 where this species nests.

- 6281 to C. B. Long
- 594 *Chamaeleon virgatus* 11.7.10.5 ♂
- 6282
- 595 *Lacerta viridis* 11.2.12.5 ♂ juv
- 6283
- 596 *Lacerta* 11.8.12.5 ♂ juv
- 6284
- 597 *Lacerta viridis* 7.1.10.7 ♀
- 6285 *Lacerta* ~~viridis~~ <sup>palmeri</sup> 10.7.12.5 ♀ juv



6286  
500

To F. Stephens

*Micralana virens* 58x0.

I went to the nest and  
 made a sort of ladder and  
 had climb up to a hole in  
 a Giant *Hactus* and on cut-  
 ting it open with my knife  
 I found nest birds in it. There  
 was also another young one  
 dead in the nest. The hole  
 was in the rock. The nest  
 today was very hot so it  
 probably smothered. In another  
 hole on the other side was  
 a nest of *Myiarchus* sp? <sup>addled</sup>  
 containing one egg and two  
 young just hatched. The  
 egg is somewhat like that of  
*M. cinerascens* as I remember it,  
 excepting this has some diagonal  
 and crosswise streaks as well as  
 most running lengthwise in a

27 Nov

... well

6287

603

601

6288

*Micropus* *whitneyi* 47x12.7 ♀ juv

*Polioptila plumbea* 46x10.5 ♂

... ..

... saw an egg ...

... in her by the shot and

... the nest ... must be no

... as it is a little scarce ...

... contained two eggs ...

... which ... were dropped in ...

... a *Molothrus* var. *obscurus*, the

... bird got saddle ...

... egg and I ... only skinned it

... because ... the nest of eggs.

C. N. G.

6289

602

6290

603

*Polioptila plumbea* 46x10.5 ♂

*Molothrus* var. *obscurus* 51x9.1 ♀? juv

Was being fed by 602.

6291

604

6292

605

6293

606

*Troglodytes* var. *calmeri* 42x13.4 ♂

*Prainocheilus nitens* 51x11.3 ♂

*Ca...* *humilis* 48x10.2 ♀ juv

8  
Lewell

6294 *yo Nat. Mus.*  
Muscivora whitneyi 7.7 X 2.1 juv

6295  
Muscivora whitneyi 7.6 X 2.8 juv

6296  
Muscivora whitneyi 5.6 X 1.4 juv

was in the two preceding.  
cut stem out of a hole  
in a Saguaro cactus and with  
them was an egg apparently  
chipped for hatching after  
which the bird must have  
died. It is very dirty in  
appearance and would

6297  
610 Ditto *W. E. D. Scott*  
*for Princeton*

6298  
611 Ditto *Coll. Call*

While working on the bank  
of an arroyo on the hill  
four or five inches and  
saw out of a hole two  
two or three inches  
amusingly  
that

6299

612 *Campestris ornatus brunneicapillus* 5.1 X 10.3 ♀

6300

613 *Talco carolinus* 10.1 X 24.7 ♂

Color above. Bill bluish, blacker in  
 a w. light brown, black  
 black common, generally dis-  
 tributed.

6301

617 *Troglodytes aedon* var. *californicus* 11.5 X 32 ♂, juv

6302

615 *Troglodytes aedon* 5.7 X 8.2 ♂ juv2<sup>o</sup> June 5<sup>th</sup>

Packed up and drove in to  
 Tucson on our way to Phoenix

2 July 5<sup>th</sup>

Saw a pair of *Callipepla squamata*, three or four miles  
 east of Peaches Station <sup>with</sup>  
 S.P.R.R. and 40 miles <sup>west</sup>  
 Tucson I doubt if they will ever  
 be seen further west

3, July 1

A sand storm carried us  
near Casa Grande last night  
we saw very few birds, perhaps  
one an hour on an average.  
These are mostly Carolina Doves  
with an occasional White-winged  
one, some *Thryothorus* Cactus Wrens  
*Geothlypis* (Canyon-wren?) and  
an occasional White-rumped  
Shrike. Even the Turkey Vulture  
seldom comes this far on the  
mesa.

4 July 8,

A heavy shower gave us  
a thorough watering last night.  
This is the commencement of  
the rainy season. Found a heavy  
frost in the sand to 10  
miles.

5 L. M. 8

15 miles west of Maricopa

Y. C. B. Cory

6303

616

6304

617

*Harporhynchus lecontei* 108, 123 ♂,

10, 21/2. ♀ ad

Iris reddish brown, Bill blue  
Legs blackish. Gizzard con-  
tained a small species of  
Katydid and Ants. No other  
seen. Locality near the  
middle of the 7.5 mile section  
between Maricopa Hills and  
Sisco Bend. No chollas or  
other cactus in the immediate  
neighborhood except some Giant  
cactus about a mile away  
on the hills; a few Mesquite and  
much scattering low brush.  
No notes heard. Tail carried  
elevated at about 75° angle  
nearest water 20 miles. No  
other Thrushes seen in any amount  
exceedingly few birds of any  
species.

15 July 8

Gymna Criz.

Had a very uncomfortable trip down the Gila. The thermometer has been above  $100^{\circ}$  every day since we left Tucson, often reaching  $115^{\circ}$  and  $117^{\circ}$ . Roads were sandy, water scarce and bad. The Gila had water only in a few holes for the last 40 miles, and it was so alkaline that my horses got sick. Got here yesterday. Took a walk near town this morning. Birds few in species and with two or three exceptions in numbers also. Petrochelidon lunifrons is breeding abundantly along a bluff above town opposite Fort Guzman. Poio in pinnaea seems to be common. Melospiza cinerea also.

15 only 8

Pyrrhuloxia

6305

618

Polioptila caerulea

4.7 x 5.6 ♂

• saw this bird go into a bunch  
of mistletoe and waited some  
time for it to come out, to get  
a shot at it, and finally  
went to the tree when I saw a  
nest in the mistletoe and by  
shaking the branch the bird  
came off when I backed up  
and shot it. On getting the  
nest I found it to contain  
one egg of this sp. and one  
of M. var. obscurus, C. may

6306

619

Titto

4.7 x 5.6 ♀



c July 8/  
Mina Ariz

6307

20 *ctanus tullocki* 7/1/11 ♀ juv

Balance of brood near

6308

02, *Coliosticta plumbea* 4, 4 X 5, 6 ♂ juv

Saw a flock of Wood  
Ibis in a slue near the  
Colorado River

1 Aug 81

Riverside Cala

Reached here two days ago.  
Had a very hot journey across  
the Gyuma Desert. Lost a  
horse in the middle of the  
Desert and by the merest  
chance another team having  
a spare horse overtook me,  
so I was able to hire it  
to come in with.

Birds were very rare until  
I neared the mountains on  
the western edge of the Desert  
sometimes I saw none all day.  
I saw no Lophortyx gambelii  
for the first hundred miles  
west of Gyuma but they were  
common from "Walters" on  
for forty miles in a part  
of the desert below sea level.  
The first L. californicus was  
seen in the San Geronimo

Pass, a days drive from where the last L. gambeli were seen. Saw a number of Polioptila that were probably P. plumbea in the same locality where the L. gambeli were seen, but as we drove nights and tried to sleep days, with the thermometer running  $115^{\circ}$  to  $120^{\circ}$  in the shade (if shade could be found), I found it impossible to do anything not absolutely necessary, so I made no effort to collect any birds.















