

Laurence M. Huey
Field Notes
Imperial County

March 22 - April 19, 1916

feet deep in places. We unloaded and carried the stuff over the hummocks and started in low, taking some of the hummocks in good style and sticking on some of them. In one place we found the road undermined and had to build road with the loose boards down and up over a deep sand canyon - some work, too. After this we made camp for the night.

March 22, 1916

This morning we built about two hundred yards of brush road, having unloaded and packed for the third time. Had a great time getting over our improvised road but finally made it and ran without trouble to end of board road, when we again stuck in deep sand and unloaded. After this it was clear sailing. I took two more Horned Larks and near Yuma, in California, I took a long shot at a Leconte Thrasher but missed. Reached Yuma about 1 o'clock and had lunch at the S. P. restaurant. In late afternoon drove up to Potholes in search of camp site, seeing a Ground Dove on the way. We finally settled camp in a mesquite thicket near a large canal.

Birds collected today: Near Sand Dunes, Imperial County, California.

D 87 - Horned Lark	female	6.50	L.M.H.	March 21, 1916
D 88 - Horned Lark	male	7.30	Do.	Do.
D 89 - Horned Lark	female	6.50	"	"
D 90 - Horned Lark	male	7.00	"	"
D 91 - Horned Lark	female	6.50	"	"

Birds collected today: Fifteen miles west of Yuma, Imperial Co.

D 92 - Horned Lark	female	6.50	L.M.H.	March 22, 1916
D 93 - Horned Lark	male		Do.	Do.

March 23, 1916

Potholes. Skipped this morning and took helper to Yuma about noon, bought supplies, etc. On way back saw Ground Dove near road and shot three Quail on way back, near camp. There was a hard wind blowing and the sand was flying.

Birds collected today: Potholes, Imperial County, California.

D 94 - Gambel Partridge	female	10.50	L.M.H.	March 23, 1916
D 95 - Gambel Partridge	male	11.00	Do.	Do.

Birds collected today: Potholes, Imperial County, California.

D 96 - Gambel Partridge male 11.00 L.M.H. March 23, 1916

March 24, 1916

I skinned in the morning. Aunt May found Vireo and Gnatcatcher building near camp and in afternoon we both went down the valley, where I shot 2 Chipping Sparrows and a Towhee but found no nests. Set twelve mouse traps in the evening.

Birds collected today were: Potholes, Imperial County, California.

D97 - Chipping Sparrow female 5.25 L.M.H.
D 98 - Chipping Sparrow female 5.00 Do.
D99 - Abert Towhee female 9.00 "

March 25, 1916

Potholes. Picked up mammal traps this morning but they contained nothing, although two were sprung. After breakfast, got in machine and ran up a desert wash about five miles off where Aunt May found Verdins with one egg and a Dove with two and I found a Grissal's Thrasher with two fresh eggs, all of which were left. Shot several birds - two Night Hawks and some Hummers. In the evening went down canyon about two miles after game for food. Shot several Doves and saw Dove of the year on the wing in the evening. After sundown on the way to camp heard several Poorwills, also saw several and shot one.

Birds collected today were:

D100 - Black-chinned Hummer male 3.50 L.M.H.
D101 - Black-chinned Hummer male 3.50 "
D102 - Black-chinned Hummer male 3.50 "
D103 - Poorwill female 7.00 "
D104 - Night Hawk female 9.00 "
D 105 - Western Warbling Vireo male 5.50 L.M.H.

March 26, 1916

I stayed at camp to skin while Aunt May went down to the Colorado River. She saw a Vermilion Flycatcher and took a Verdin's set of four eggs. In the evening we both went down the valley to look for Poorwills, of which we saw three or four but failed to collect them.

Set out a dozen or more traps.

Eggs collected today were:

D 1 - *Auriparus f. flaviceps* - A. O. U. 746
 Verdin
 3/26/16 - Inc. fresh -
 Coll. by M. Canfield
 Nest in mesquite four feet up.

March 27, 1916

While on the way to pick up traps, Aunt May shot two Ground Doves at one shot. They were feeding in the road. Picked up traps which contained three pocket rats, and shot two song sparrows. When cleaning some quail shot yesterday, I found one had a crop full of alfalfa seed and some blue blossoms. The Gnatcatcher at camp is very friendly and still building. It comes right into camp for cotton. In the evening went Poorwill shooting, killing one and knocking down another but it fell in the thick alfalfa over which I was shooting and was lost. Set out about twenty traps. It has been extremely hot the last two days - almost 110° in shade.

Birds collected today were:

D 106 - Ground Dove	male	7.75	L.M.H.
D 107 - Ground Dove	male	7.75	Do.
D 108 - Song Sparrow	male	6.00	"
D 109 - Song Sparrow	female	6.00	"
D 110 - Poorwill	male	8.00	"

Mammals collected today were:

D 45 -
 Rat - Male
 3/27/16 - Coll. by L. Huey
 10.25" - 6.10" - 1.55" - .45"

D 46 -
 Rat Sex (?)
 3/27/16 - Coll. by L. Huey
 10.00 - 6.00 - 1.50 - .40

D 47 -
 Rat Female
 3/27/16 - Coll. by L. Huey
 10.15 - 6.05 - 1.50 - .47

March 28, 1916

Picked up my traps this morning and found they held three pocket mice. Shot a Cowbird - male - and saw four more. Also got another Song Sparrow. I then moved camp about a hundred yards into a screened porch away from flies and sun - some blessing, too, as I don't believe I could stand heat and flies much longer. Went into Yuma about noon for bread, etc., etc., and on the way home shot a Vermilion Flycatcher, Ground Dove and a Rabbit. Found a place where there were about a dozen Cowbirds near pigsty. In the evening went after Poorwills again, knocked one down but couldn't find it. Set out about 20 traps.

Birds collected today:

D 111 - Dwarf Cowbird	male	6.00	L.M.H.
D 112 - Song Sparrow	male	6.25	"
D 113 - Vermilion Flycatcher	male	5.80	"
D 114 - Ground Dove	male	3.00	"

Mammals collected today were:

D 48	Mouse - male - 3/28/16		
	Coll. by L. Huey		
	7.75" - 4.25" - .90 - .25		
D 50 -	<i>Sylvilagus auduboni arizonae</i>		
	Rabbit - male - 3/28/16		
	14.30" - 1.60" - 3.25 - 3.25		
	Coll. by L. Huey for D. R. D.		

March 29, 1916

Picked up my traps this morning and found they contained six pocket rats and one pocket mouse so came back to camp early and went to skimming. Aunt May went out about 7:30 and came back at 1:00. She found two nests of Verdins' with four eggs each and brought back several birds. Went Poorwill shooting in the evening but had no luck.

Birds collected today:

D 115 - Song Sparrow	female	6.00	L.M.H.
D 116 - Verdin	male (?)	3.50	"
D 117 - Abert Towhee	male	9.50	"

Mammals collected today were:

- D 49 -
 Mouse - male - 3/29/16
 7.10" - 3.80 - .90 - .25
 Coll. by L. Huey
- D 51 -
 Rat - female - 3/29/16
 9.50" - 5.60 - 1.50 - .45
 Coll. by L. Huey
- D 52 -
 Rat - female - 3/29/16
 9.70" - 5.60 - 1.50 - .45
 Coll. by L. Huey.
- D 53 - *Sylvilagus auduboni arizonae*
 Rabbit - female - 3/29/16
 15.50" - 1.60 - 3.00 - 3.30

March 30, 1916

Wind blew a gale all day, making collecting nearly impossible. In the evening, however, the wind went down so I went out after Poorwills, getting two.

Birds collected today were:

- | | | | |
|------------------|--------|------|--------|
| D 118 - Poorwill | male | 8.50 | L.M.H. |
| D 119 - Poorwill | female | 8.00 | " |

March 31, 1916

Went to Yuma today and shot several birds on the way but it was very windy and the birds were rather scarce. In the evening went to the Poorwill grounds and got one Poorwill; also set traps in cotton rat colony and took Aunt May's Verdin N/4. (Broken)

Birds collected today were:

- | | | | |
|------------------------------|--------|------|--------|
| D 120 - Song Sparrow | male | 6.00 | L.M.H. |
| D 121 - Vermilion Flycatcher | male | 5.75 | " |
| D 122 - Red-winged Swallow | male | 5.75 | " |
| D 123 - Ground Dove | female | 6.50 | " |
| D 124 - Poorwill | male | 7.50 | " |
| D 125 - Ground Dove | female | 6.50 | " |

April 1, 1916

Found this morning that one trap contained a cotton rat juvenile and one other trap was sprung and dragged two feet. After skinning, went over to desert canyon visited on March 25th. Picked up Crissal Thrasher B - N/2 (too incubated to save) but left the Verdin's nest, which only had three eggs, for photos. Found Thrashers building. While driving on bank of main canal, on the road home, I saw a muskrat swimming in stream and shot at him five times at about twenty-five yards with Parker. The fifth shot went through the skull and killed him but I found, upon picking him up, that he was nearly sunk with shot - every cartridge fired had taken effect. At the first and second shots he dived for a short distance - ten feet or so. Went down to the Poorwill grounds again in the evening, getting two.

Birds collected today were:

D 126 - Mourning Dove	male	12.30"	L.M.H.
D 127 - Poorwill	female	7.00	"
D 128 - Poorwill	male	8.00	"
D 129 - Shrike	male	8.00	"
D 130 - Crissal Thrasher	female	12.00	"
D 131 - Vesper Sparrow	male (?)	6.50	"

Mammals collected today were:

D 54 -
 Muskrat - male - 4/1/16
 18.65" - 7.75" - 2.85" - .70
 Coll. by L. Huey

D 55 - *Sigmodon hispidus eremicus*
 Cotton Rat - female juv. (?) - 4/1/16
 5.75" - 2.30" - .85 - .50"

April 2, 1916

Aunt May went nesting, finding a Cactus Woodpecker building and a Towhee with three eggs. Shot a couple of birds. In the evening collected 2 Poorwills and a Barn Owl.

Birds collected today were:

D 132 - Poorwill			
D 133 - Poorwill			
D 134 - Barn Owl	male	15.00"	L.M.H.

April 3, 1916

Went into Yuma for flashlight battery, getting Vermilion Flycatcher and a Goldfinch. In the evening went Poorwill shooting again, collecting five. Also drove down the canal about three miles in search of muskrats but saw none.

Birds collected today were:

D 135 - Vermilion Flycatcher	male	6.00	L.M.H.
D 136 - Goldfinch	male	3.50	"
D 137 - Poorwill	female	8.00	"
D 138 - Poorwill	male	7.90	"
D 139 - Poorwill	female	8.00	"
D 140 - Poorwill	female	7.50	"
D 141 - Poorwill	male	8.00	"

April 4, 1916

Shot a cowbird off the windmill in back yard and, after skinning, went with Aunt May to her Towhee nest, which we collected. On the way back I killed a Lincoln Sparrow and a female Quail which contained an egg ready for laying. In the evening I went Poorwill shooting again and collected five fine birds. Aunt May shot a female Yellowthroat and two Shrikes.

Birds collected today were:

D 142 - Dwarf Cowbird	male		L.M.H.
D 143 - Gambel Quail	female	11.00	L.M.H.
D 144 - Yellowthroat	female	4.75	"
D 145 - Lincoln Sparrow	female	5.25	"
D 146 - Shrike	male	9.00	"
D 147 - Shrike	male	8.75	"
D 148 - Poorwill	male	8.00	"
D 149 - Poorwill	female	7.50	"
D 150 - Poorwill	male	7.50	"
D 151 - Poorwill	male	7.50	"
D 152 - Poorwill	male	7.50	"

Eggs collected today were:

D 2 - *Pipilo aberti* - A. O. U. 592
 Abert Towhee - 4/4/16 - N/3 - Inc. commenced.
 Coll. by M. Hanfield.
 Nest was placed on dead arrow weed among the live ones in compact thicket.

April 5, 1916

I stayed in to skin this morning while Aunt May went nesting. She found a Vireo building and two Towhees; ^{one} nests, /with three and one with two eggs. A Gnatcatcher had robbed the first Vireo of nest building material so that the Vireo had deserted. The Gnatcatcher found first day has three eggs. Went Poorwill shooting in the evening, getting three, and set out mammal traps. Went nesting for about four hours in the afternoon, but had no luck, only getting some birds.

Birds collected today were:

D 153 - Abert Towhee	female	8.50 "
D 154 - Dove	female	12.00 "
D 155 - Song Sparrow	male	6.00 "
D 156 - Flycatcher	male	5.50 "
D 157 - W. C. Sparrow	male	7.00 "
D 158 - Poorwill	male	8.00 "
D 159 - Poorwill	male	8.00 "
D 160 - Poorwill	male	8.00 "

April 6, 1916

Found this morning that the traps contained three pocket rats and two pocket mice. I shot song sparrow and a cowbird, and got four Poorwills in the evening.

Birds collected today were:

D 161 - Song Sparrow	male	6.50 "
D 162 - Dwarf Cowbird	male	7.00 "
D 163 - Poorwill	male	7.50 "
D 164 - Poorwill	female	7.00 "
D 165 - Poorwill	female	7.50 "
D 166 - Poorwill	female	7.75 "

Mammals collected today were:

D 56 -	House	male	
	4/6/16 - Coll. by L. Huey		
	8.00" - 4.50 - .95 - .20		
D 57 -	Rat	male	
	4/6/16 - Coll. by L. Huey		
	9.00" - 5.50" - 1.45" - .40		
D 58 -	Rat	male	
	4/6/16 . Coll. by L. Huey		
	10.25" - 6.10 - 1.50 - .40		

April 7, 1916

I skimmed for a while and then went out with Aunt May to take two sets - Towhee and Gnatcatcher - that she had already found. I then came back and went to skimming again while she went on nesting, finding a Thrasher with one egg, a Quail's nest ready and a Shrike with two very heavily incubated eggs. She left these but found a Gnatcatcher N/4 which she took. (Inc. too advanced to save.) In late afternoon, we blew eggs and then went Poorwill hunting, getting five. Set traps again in cotton rat colony, using bacon bait. Later in the evening, about nine or ten o'clock, we heard many poorwills calling near the house and couldn't stand the noise, so we went out and collected three more - total, eight for this evening.

Birds collected today were:

D 167 - Poorwill	female	8.00 ⁰
D 168 - Poorwill	male	8.00
D 169 - Poorwill	male	8.00
D 170 - Poorwill	male	7.50
D 171 - Poorwill	female	7.50
D 172 - Poorwill	male	7.00
D 173 - Poorwill	male	7.75
D 174 - Poorwill	male	7.75

Eggs collected today were:

- D 3 - *Pipilo aberti* - A. O. U. 592
 Abert Towhee - N/3 - 4/7/16 - Inc. fresh
 Coll. by M. Canfield
 Nest placed in arrow weed near road
- D 4 - *Pipilo aberti* - A. O. U. 592
 Abert Towhee - N/3 - 4/7/16 - Inc. fresh
 Coll. by M. Canfield
 Nest in upright arrow weed in dense thicket
- D 5 - *Poliioptila plumbea* - A. O. U. 752
 Plumbeous Gnatcatcher - N/3 - 4/7/16 - Inc. well begun.
 Coll. by M. Canfield
 Nest was in upright arrow weed. Birds found building Mar. 24, 1916.

April 8, 1916

Today has been very hot and the birds correspondingly shy.

Aunt May went out nesting - found a Gnatcatcher with young and killed a

fine Lincoln Sparrow. She also found Vireo and Gnatcatcher building.

The traps were untouched so I left them.

Birds collected today were:

D 175 - Song Sparrow male 6.50"
D 176 - Lincoln Sparrow male 5.50"

Mammals collected today were:

D 59 - Sigmodon hispidus eremicus
Cotton Rat - Male (?) - 4/8/16
7.10" - 3.05" - 1.00" - .55"
Coll. by L. Huey

April 9, 1916

Looked at the traps this morning and found they contained one juvenile cotton rat. Then we went down main canal seven miles and Aunt May found N/4 Lucy Warbler, also Phainopepla N/2 and Arizona Least Vireo building.

Birds collected today were:

D 177 - Lucy Warbler female 4.25"
D 178 - Green-tailed Towhee male (?) 7.00"

Eggs collected today were:

D 6 - *Vermivora luciae* - A. O. U. 643
Lucy Warbler - N/4 4/9/16 Inc. advanced female collected
Coll. by M. Canfield
Nest cavity in a palo verde lined with careless nest of grass, stems, feathers and hair - 9 feet from ground.

D 7 - *Phainopepla nitens* N/2 A. O. U. 620 4/9/16
5 miles west of Potholes, Imperial Co., Cal.
Inc. fresh - both birds about
Coll. by M. Canfield
Nest typical - 15 feet up in palo verde.

April 10, 1916

Aunt May and I went nesting in the morning, getting N/3 Arizona Least Vireo, then went to Yuma for supplies. Got a Ground Dove on Arizona side of the river.

Birds collected today were:

D 179 - Ground Dove female 6.75"

Eggs collected today were:

Potholes, Imperial Co., Cal.

D 8 - *Vireo belli arizonae* - A. O. U. 633a - part.

Arizona Least Vireo - N/3

4/10/16 - Inc. slight - both birds about

Potholes, Imperial County, California.

Coll. by M. Canfield.

Breeding birds collected in same locality.

typical *arizonae*.

Nest a particularly well cupped structure of gray fibre, ect., lashed to fork of mesquite twig, three feet from ground in center of arrow-weed clump.

April 11, 1916

Aunt May and I went nesting down the main canal in search of Lucy Warblers' nests, finding Cactus Wren 1/3 (broke) and Abert Towhee N/3. The Warbler migration is starting and we saw several kinds.

Birds collected today were:

D 180 - Lucy Warbler	male	4.50"
D 181 - Tolmie Warbler	male (?)	5.50"
D 182 - Calaveras Warbler	male	5.25"
D 183 - Song Sparrow	male	6.00"
D 184 - Dwarf Cowbird	female	6.50"
D 185 - White-crowned Sparrow	male	7.00"

Eggs collected today were:

D 9 - *Pipilo aberti* A. O. U. 592

Abert Towhee - N/3

5 miles west of Potholes, Imperial County, California.

Inc. slight - identity positive

4/11/16 - Coll. by M. Canfield

Nest composed of blue green weed stems, placed six feet up in bunch of mistletoe in mesquite.

Mammals collected today were:

D 60 - *Sigmodon hispidus eremicus*
Cotton Rat - Female - 4/11/16
10.75" - 4.75 - 1.30 - .70

April 12, 1916

Went out after Lucy Warblers again, down main canal, getting Gnatcatcher N/4 (broke) and Crissal Thrasher 1/2. Again noted the Warbler wave.

Birds collected today were:

D 186 - Green-tailed Towhee	female	7.25"
D 187 - Yellow Warbler	male	4.75
D 188 - Calaveras Warbler	male	4.75
D 189 - Long-tailed Chat	male	7.00
D 190 - Lutescent Warbler	female	4.75
D 191 - Lutescent Warbler	male	4.75
D 192 - White-crowned Sparrow	female	6.50
D 193 - White-crowned Sparrow	male (?)	6.50
D 194 - White-crowned Sparrow	male	7.00
D 195 - Brewer Sparrow	male (?)	5.25
D 196 - Brewer Sparrow	(?)	5.25
D 197 - Sonora Redwing	male	9.00
D 198 - Dwarf Cowbird	male	
D 199 - Flicker	male	11.50

Eggs collected today were:

- D 10 - Crissal Thrasher - A. O. U. 712
Toxostoma crissale - 1/2
 Five miles west of Potholes, Imperial Co., Cal.
 Inc. adv. - bird seen.
 Coll. by M. Confield and L. Huey.
 Typical ragged twig nest in heart of dense
 mesquite clump and four feet from the ground.

April 15, 1916

Mr. Whitney took us in his backboard up to the old "Senator Mine" about eight miles above Potholes. Found a shrike's nest with one fresh egg on our way. At the mine we descended to the 200-foot level getting several large bats, and at the 100-foot level I found a large colony of small bats. On the building nearby Aunt May found Linnet 1/4 (broken). We went up to the Sahuaro patch on the way home but as we had no ladder, I couldn't examine the holes. I flushed a Sparrow Hawk from a hole in one cactus and with some short drills from the mine took 1/4. We then worked a couple of draws for nests but found only 2 Verdins with young.

Birds collected today were:

D 200 - Arizona Least Vireo	male	4.75"
D 201 - Arizona Least Vireo	female	4.75

Eggs collected today:

- D 11 - Falco sparverius sparverius - A. O. U. # 360
Sparrow Hawk - 1/4
Sahuaro Clump near Potholes, Imperial Co., Cal.
4/13/16 - Inc. slight - female incubating.
Nest an unlined cavity made years before by
woodpecker in a giant cactus - fifteen feet
from ground.
Coll. by L. Huey.

Mammals collected today were:

- D 61 - Bat - 4/13/16 - Male
L. T. 2.00" - H. F. .35 - E 1.20 - Ext. 11.90
"Senator Mine" eight miles north of Potholes, Imp. Co., Cal.
- D 62 - Bat - 4/13/16 - female
L. T. 2.00 - H. F. .35 - E. 1.15 - Ext. 11.50
"Senator Mine" eight miles north of Potholes, Imp. Co., Cal.
- D 63 - Leaf-nosed Bat - 4/13/16 - Female
L. T. 1.30" - Free T. .30 - H.F. .50 - E. 1.00 - Ext. 13.00
"Senator Mine" eight miles north of Potholes, Imp. Co., Cal.
- D 64 - Bat - 4/13/16 - Male
L. T. 2.00" - H.F. .35" - E. 1.25 - Ext. 10.75
"Senator Mine" eight miles north of Potholes, Imp. Co., Cal.
- D 65 - Bat - 4/13/16 - Female
L. T. 1.60" - H.F. .25" - E. .55 - Ext. 9.30" - 1 embryo
"Senator Mine" eight miles north of Potholes, Imp. Co., Cal.
- D 66 - Bat - 4/13/16 - Female
L. 3.05 - T 1.45" - H.F. .25 - E. 50 - Ext. 9.00
"Senator Mine" eight miles north of Potholes, Imp. Co., Cal.
- D 67 - Bat - 4/13/16 - Female
L. 3.35" - T 1.60" - H. F. .25 - E. 55 - Ext. 9.00
"Senator Mine" eight miles north of Potholes, Imp. Co., Cal.
- D 68 - Bat - 4/13/16 - Female
L. 3.25" - T. 1.45" H. F. .25" - E. .50" - Ext. 9.50" No skull
"Senator Mine" eight miles north of Potholes, Imp. Co., Cal.
- D 69 - Antelope Ground Squirrel - 4/13/16 - Male Juv.
L. 5.50 - T. 1.75 - H. F. 1.25" - E. .15
Above Potholes, Imperial Co., Cal.

April 14, 1916

I skinned until afternoon then went to Yuma for supplies.
Got some ground doves, vermilion flycatchers, etc. Out of three
female doves, two contained eggs ready to lay.

Birds collected today were:

D 202 - Song Sparrow	male	6.00 "
d 203 - Ground Dove	female	7.00 "
D 204 - Ground Dove	female	7.00 "
D 205 - Ground Dove	female	7.00 "
D 206 - Ground Dove	male	7.50 "
D 207 - Ground Dove	male	7.00 "
D 208 - Vermilion Flycatcher	male	5.75 "
D 209 - Vermilion Flycatcher	male	5.75 "
D 210 - Vermilion Flycatcher	male	5.75 "
D 211 - Sonora Redwing	male	9.00 "

April 15, 1916

I skimmed while Aunt May went out and looked at some nests found before. A Gnatcatcher had three eggs and Vireo two. The day was very hot and in the evening she and I went out in alfalfa patch, getting four Poorwills in fifteen minutes.

Birds collected today were:

D 212 - Poorwill	female	8.00"
D 213 - Poorwill	female	8.00"
D 214 - Poorwill	female	8.00"
D 215 - Poorwill	male	7.50"

April 16, 1916

Went to Yuma this morning in search of Dick but as usual he was unsuccessful in his arrival. On the way home we stopped to look for nests. Aunt May landed two Vermilion Flycatchers building and a Towhee with two eggs and I found a Gila Woodpecker's nest but didn't climb for it. Also found Road-runner N/4, and collected N/4 Cactus Woodpecker in late afternoon. Out in the evening and Aunt May shot a pair of Poorwills with the aid of our scheme of "jack" lighting them.

Birds collected today were:

D 216 - Song Sparrow	male	6.50"
D 217 - Song Sparrow	male	6.00"
D 218 - Vermilion Flycatcher	male	5.50"
D 219 - Vermilion Flycatcher	male	5.50"
D 220 - Dwarf Cowbird	male	6.75"
D 221 - Killdeer	male	L. (?)
D 222 - Frosted Poorwill	male	7.50" - Coll. by M. Canfield
D 223 - Frosted Poorwill	female	8.00" - " " "

Eggs collected today were:

- D 12 - *Geococcyx californianus* - A. O. U. 585
 Road-runner 1/4
 Bard, Imperial Co., Calif.
 4/6/16 - Well begun - bird flushed
 Nest typical bulky structure of stocks, horse
 manure, etc., placed on top of broken stub eight
 feet from ground.
 Coll. by L. Huey
- D 13 - *Dryobates scalaris cactophilus* - A. O. U. 396
 Cactus Woodpecker - N/4
 Potholes, Imperial Co., Calif.
 4/6/16 - Inc. slight - Bird about.
 Nest a cavity fifteen feet from the ground
 in a partly dead willow tree in bottomland.
 Coll. by M. Canfield.

April 17, 1916

Down west along dike - nothing in cotton rat traps.

Continued on west hunting nests. Aunt May collected Arizona Least Vireo N/4 first found on April 9. After lunch at camp went nesting again in the willow association along river. I found Vermilion Flycatcher N/2 but left it to insure completion of set. Blew eggs a while at sunset time and then looked at Plumbeous Gnatcatcher nest first found building on the 8. Found she had four fresh eggs which we left for photos. It was so dark we used flash to examine set.

Birds collected today were:

- | | | |
|----------------------------------|--------|-------|
| D 224 - Arizona Least Vireo | female | 4.50" |
| D 225 - Salton Sink Song Sparrow | female | 6.00" |
| D 226 - Salton Sink Song Sparrow | male | 6.00" |

Eggs collected today were:

- D 14 - *Vireo belli arizonae* - A. O. U. 653a part
 Arizona Least Vireo - N/4
 Five miles west of Potholes, Imp. Co., Cal.
 4/17/16 - Inc. slight - bird shot
 Nest typical cup lashed to terminal fork of
 horizontal twig of scrubby willow in bottom-
 land thicket.
 Coll. by M. Canfield.

April 18, 1916.

Down to traps but found nothing, as usual - cotton rats seem

hard to get with rat traps and mouse traps are too small. Took some birds and went to camp to put them up immediately. Went nesting in river bottom again after lunch and took set of N/2 Vermilion Flycatcher found yesterday. It proved to be incubated and was a complete set. Aunt May took Arizona Least Vireo N/3 and I found a Verdian nest with young (five feet up in mesquite in the bottom. Started across toward Whitney's ranch to look at Redwing Colony. On the way three birds, supposed to be song sparrows, jumped onto fence. Shot one and it proved to be Golden-crowned Sparrow (Easternmost record!) but by the time I discovered its identity, the other two had left. The Redwing colony, which is in a tule patch in shallow water of a drainage canal, proved to be just starting to nest. One nest was half completed, but most are only begun.

Birds collected today were:

D 227 - Golden-crowned Sparrow	female	7.00"	
D 228 - Black-throated Gray Warbler		male	5.00"
D 229 - Macgillivray Warbler	female	5.50"	
D 230 - Hammond Flycatcher	female	5.00"	
D 231 - Golden Pileolated Warbler	female	4.50"	

Eggs collected today were:

- D 15 - Vireo belli arizonae - A. O. U. 633apart
 Arizona Least Vireo N/5
 Potholes, Imperial Co., Cal.
 4/18/16 - Inc. slight - both birds about
 Nest typical cup lashed to terminal fork of
 horizontal twig of arrow-weed in dense
 thicket of same.
 Coll. by M. Canfield.

April 19, 1916.

Stayed in camp and did a day's washing of clothes and self and left early for Yuma. Met Dick at the 10:40 P. M. train, and drove out to camp with part of our duffle. Fine moon.

Only bird taken today was:

D 232 - Dwarf Cowbird	female	6.75"
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