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**ERRATA**

Page 12, line 1 from top, for *Ægilites* read *Ægilitis*.

93, (d), in caption, for *Peichærus* read *Perchærus*.

458, line 1, for ascalatboid read ascalabotoid.

Pages 462 and 478 are incorrectly numbered.
Tiburon Island Towhee

*Pipilo fuscus jamesi* Townsend
ARTICLE I.—BIRDS COLLECTED IN LOWER CALIFORNIA

BY CHARLES HASKINS TOWNSEND

During the voyage of the U. S. Fisheries Steamer 'Albatross' in Lower California waters in 1911, collecting parties were sent ashore at thirty different points on the lower part of the peninsula, on islands in the Gulf of California and along the west coast. Among the collections were 804 birds representing 159 species and subspecies. As more than three-fourths of these were land birds, many of them peculiar to Lower California, and as certain islands had not previously been visited by naturalists, the collection is of considerable interest.

With the exception of those from Guadalupe Island, all of the birds taken were from points south of the San Benita Islands in the Pacific and Angel de la Guardia Island in the Gulf, a section including the lower half of the peninsula, and embracing all of the Cape faunal district. Specimens were obtained of most of the species characteristic of this district which lies within the arid tropical life zone.

The expedition being engaged in several lines of inquiry, including fishery and oceanographic work, and the duration of the voyage limited to two months, the time available for bird collecting was not sufficient for any very thorough examination of the bird fauna. The total number of days or parts of days spent at anchor was forty-three, but at some points the vessel remained at anchor only a few hours.
Following is a list of the anchorages, with dates of arrival and departure:

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The islands visited by the expedition that are known to have endemic species of birds are Guadalupe, the San Benitas, Cedros off Lower California, and Tiburon off the coast of Sonora.

Guadalupe Island, in latitude 29° and 135 miles west of San Quintin Bay, is about 20 miles long and from 3 to 7 miles wide. It is mountainous, the greatest height being 4,500 feet. Guadalupe is partly wooded and has a few fresh-water springs. It has been inhabited temporarily.
The following species and subspecies of land birds are peculiar to the island:

- *Polyborus lutosus*
- *Colaptes cafer rufipileus*
- *Carpodacus amplus*
- *Junco insularis*
- *Pipilo consobrinus*
- *Salpinx obtusus guadeloupenis*
- *Thryomanes brevicauda*
- *Regulus calendula obscurus*

There are three small islands in the San Benito group which lie about 15 miles west of Cedros Island. West Benito, the largest island, has a central height of 661 feet. All lack fresh water and are uninhabited. There are two endemic birds, *Passerculus rostratus sanctorum* and *Carpodacus mcgregori*.

Cedros Island, about 10 miles from the nearest point of the mainland, has a length of 21 miles and a width of from 3 to 9 miles. It is mountainous, the highest peak being nearly 4,000 feet. The island is sparsely wooded, with some cedars and pines on the higher elevations. Cedros has a few springs of fresh water and has been temporarily inhabited by miners. The only land bird peculiar to the island is *Thryomanes bewickii cerroensis*.

Tiburon is the largest island in the Gulf; it is thirty miles long by fifteen in width, and has a height of 4,000 feet.

The fauna of Tiburon Island has been derived chiefly from the mainland of Sonora, from which it is separated by a channel varying from one to three miles in width.

None of the thirteen species of land birds secured on Tiburon Island are referable to races belonging to Lower California. The width of the Gulf of California averages considerably greater than that of the peninsula, exceeding 100 miles in the latitude of Guaymas, its central portion. The following land birds were taken on Tiburon Island:

- *Passerculus rostratus rostratus*
- *Pipilo fusces jami
tes*
- *Cardinalis cardinalis affinis*
- *Phainopepla nitens*
- *Dryobates scalaris cactophilus*
- *Myiarchus cinerascens cinerascens*
- *Empidonax difficilis difficilis*

One of the birds in the above list (*Pipilo fusces jami
tes*) is described elsewhere in this paper as a new subspecies. It is probable that this large and mountainous island contains other unknown birds. It had not previously been visited by ornithologists. Tiburon is inhabited by Seri Indians believed to be dangerous to small parties. Science as yet knows nothing of the interior of this island.
Although most species of birds should have been nesting at this season, March and April, very few nests were seen.

Birds were collected chiefly by Messrs. H. E. Anthony and P. I. Osburn, although many were obtained by Dr. Paul Bartsch and myself. The naval officers attached to the 'Albatross' brought on board numerous specimens of water birds.

Lower California has not yet been fully explored ornithologically. The following records, relating mostly to the distribution of the species met with, include some localities not previously visited by ornithologists, and are, with a few exceptions, restricted to localities visited by the expedition.

The nomenclature is that of the A. O. U. list, with such additions as have appeared in Ridgway's 'Birds of North and Middle America.'

For information on the physiography of the localities here referred to, reference may be made to part one of this series of reports, which contains the narrative of the voyage with numerous illustrations.

Colymbus nigricollis californicus (Heermann)

Eared Grebe

The eared grebe was observed at several points in the Gulf, being quite common at San Josef Island, Agua Verde Bay, San Francisquito Bay, and Angel Guardia Island. Eight specimens, San Josef Island, March 30 and San Francisquito Bay, April 10.
Townsend, Birds Collected in Lower California

**Gavia pacifica** (Lawrence)
PACIFIC LOON

One specimen was taken April 11 at Tiburon Island where it was rather abundant. Our notes do not show that it was observed elsewhere.

**Cerorhinca monocerata** (Pallas)
RHINOCEROS AUKLET

A single specimen was secured at San Cristobal Bay on March 15. There are no records of this auklet having been found farther south.

**Ptycorhamphus aleuticus** (Pallas)
CASSIN'S AUKLET

Four specimens taken: Guadalupe Island, March 2-4, and West San Benito Island, March 10. We found parts of East Benito so riddled with burrows of auklets that it was difficult to walk without breaking into them. When cruising in the schooner 'Laura' late in November, 1884, I took two specimens of this auklet off San Cristobal Bay.

**Brachyrhamphus craverii** (Salvadori)
CRAVERI'S MURRELET

This bird we found only at San Esteban Island in the Gulf, where a single example was secured April 14. San Esteban Island is about twenty miles from Isla Raza where Dr. T. H. Streets found Craveri's murrelet breeding in abundance in April, 1875. The species is peculiar to Lower California and the Gulf regions.

**Larus philadelphia** (Ord)
BONAPARTE'S GULL

Specimens were taken at Carmen Island, April 3, Mulege, April 4, and Tiburon Island, April 12. It was fairly common at La Paz on April 18. On March 27, 1889, I obtained this gull in the northern part of the Gulf.

**Larus heermanni** Cassin
HEERMAN'S GULL

This species was observed from April 1 to 19 at many points in the Gulf, from Ceralbo Island northward to Angel Guardia and Tiburon islands. It breeds in considerable numbers at Isla Raza and Ildefonso.

**Sterna maxima** Boddaert
ROYAL TERN

Numerous at San Josef Island on March 30 and at Guaymas on April 15. Specimens were obtained at San Cristobal Bay, March 15, Abreojos Point, March 16, and Angel Guardia Island, April 10.
**Sterns elegans** Gambel  
**ELEGANT TERN**

Common in April at several points in the Gulf from La Paz to Angel Guardia and San Esteban islands. Observed at Guaymas, April 15. Sixteen specimens, one of which was obtained on the west side of the peninsula at Abreojos Point, March 16.

**Puffinus opisthomelas** Coues  
**BLACK-VENTED SHEARWATER**

One specimen, San Bartolome Bay, March 13.

**Oceanodroma macrodactyla** W. Bryant  
**GUADALUPE PETREL**

Two specimens, Guadalupe Island, March 2–5.

**Oceanodroma kaedingi** Anthony  
**KAEDING'S PETREL**

While the 'Albatross' was anchored at Guadalupe Island, March 2–5, nine specimens were captured on board at night, doubtless attracted by the electric lights around the deck house. Petrels were very numerous and their calls were heard about the vessel all night.

**Oceanodroma melanias** Bonaparte  
**BLACK PETREL**

Two specimens, San Jose del Cabo March 26 and San Francisquito Bay, April 9. On a former voyage I found this petrel abundant off Guaymas.

**Oceanodroma homochroa** (Coues)  
**ASHY PETREL**

One specimen, taken on board at night, off San Benito Islands, April 23.

**Sula brewsteri** Goss  
**BREWSTER'S BOOBY**

Observed in the Gulf from March 30 to April 18, at most of the points visited by the expedition. One specimen, taken at San Josef Island, March 31. In 1889 I found this booby breeding in considerable numbers at Georges Island near the head of the Gulf.

In 1888 Col. N. S. Goss estimated that about 700 of this species and about 1000 blue-footed boobies were breeding on San Pedro Martir Isle, which lies midway in the Gulf about 25 miles south of Tiburon.
Fig. 2. San Pedro Martir Island, Gulf of California. Nesting place of *Sula brewsteri*.

Fig. 3. Boobies. U. S. S. 'Albatross,' in the Gulf of California.
Island. At that time a guano company with about 135 employees was removing guano and causing great disturbance among the nesting birds. Col. Goss predicted that with the exhaustion of the guano supply the birds would return in great numbers, and this has evidently taken place. The accompanying photograph taken on April 15 from the deck of the 'Albatross' while passing San Pedro Martir, shows the greater part of the island densely covered with birds. This barren rock, less than a mile in length and width, is over 1000 feet in height. We did not attempt to land, owing to the force of the gale which was blowing.

**Phalacrocorax auritus albociliatus** Ridgway

**Farallon Cormorant**

One specimen, Magdalena Bay, March 20. Cormorants were seen almost daily during the voyage. A compact flock of a thousand or more was seen at Santa Maria Bay, March 18, and a flock of nearly as many at San Roque Island, March 15.

**Fregata aquila** (Linnaeus)

**Man-o’-war-bird**

This bird is common about the lower part of the peninsula from Magdalena Bay on the Pacific, where it nests on the mangroves, to Concepcion Bay on the Gulf.

**Chaulelasmus streperus** (Linnaeus)

**Gadwall**

San Jose del Cabo, March 26, one specimen.

**Marila americana** (Eyton)

**Redhead**

San Jose del Cabo, March 26, one specimen.

**Anas platyrhynchos** Linnaeus

**Mallard**

Three mallards were seen at San Josef Island on March 30. Not observed elsewhere.

**Marila affinis** (Eyton)

**Lesser Scaup Duck**

Seen at La Paz and San Josef Island late in March, and at Angel Guardia Island, April 10.
Nettion carolinense (Gmelin)
Green-winged Teal
A small flock seen at La Paz, March 28.

Mareca americana (Gmelin)
Baldpate

Seen at Angel Guardia Island, April 10. Wild ducks are not common in Lower California as there are few permanent streams and no lakes or fresh-water marshes.

Oidemia perspicillata (Linnaeus)
Surf Scoter
A few were observed at Angel Guardia Island, April 10 and 11.

Mergus serrator Linnaeus
Red-breasted Merganser

Observed at Mulege, April 4 and at Tiburon Island, April 11.

Guara alba (Linnaeus)
White Ibis
Rather common at San Josef Island, March 30 to April 1. One specimen.

Plegadis guarauna (Linnaeus)
White-faced Glossy Ibis

Two specimens, San Jose del Cabo, April 22.

Botaurus lentiginosus (Montagu)
American Bittern
Magdalena Bay, March 20, one specimen.

Ardea herodias treganzai Court
Western Great Blue Heron
Santa Maria Bay, March 18 and Angel Guardia Island, April 10, two specimens.

Egretta candidissima (Gmelin)
Snowy Egret

Obtained at San Francisquito Bay, April 9 and at Tiburon Island. April 10.
Dichromanassa rufescens (Gmelin)

Reddish Egret

Specimens obtained at Magdalena Bay, March 20 and at San Josef Island, March 30. This egret was observed at Concepcion Bay, April 8 and at Guaymas, April 7.

Hydranassa tricolor ruficollis (Gosse)

Louisiana Heron

Magdalena Bay, March 20, one specimen. Observed at Concepcion Bay, April 7.

Florida caerulea (Linnaeus)

Little Blue Heron

Magdalena Bay, March 21, one specimen. Several were seen at La Paz, April 18.

Butorides virescens frazari (Brewster)

Frazar's Green Heron

Specimens of this form of the green heron were obtained at Santa Maria Bay, March 18, and at San Josef Island, March 31. Green Herons probably of this race were seen at Mulege, April 4.

Nycticorax nycticorax nevius (Boddaert)

Black-crowned Night Heron

Specimens were taken at Abreojos Point, March 16, and at Magdalena Bay, March 22. Night herons apparently of this form were observed at San Josef Island, March 30, and at Concepcion Bay, April 5.

Nyctanassa violacea (Linnaeus)

Yellow-crowned Night Heron

Taken at Santa Margarita Island, March 20.

Pisobia minutilla (Vieillot)

Least Sandpiper

Taken at San Bartolome Bay, March 13 and 14 and at Abreojos Point, March 16.

Ereunetes mauri Cabanis

Western Sandpiper

Obtained at San Bartolome Bay, March 13 and 14, Abreojos Point, March 16, and at Magdalena Bay, March 20.
Calidris leucophæa (Pallas)  
**Sanderling**  
Abreojos Point, March 16, two specimens.

**Limosa fedoa** (Linnaeus)  
**Marbled Godwit**  
Magdalena Bay, March 20, two specimens.

**Totanus melanoleucus** (Gmelin)  
**Greater Yellow-Legs**  
Abreojos Point, March 16, Magdalena Bay, March 20, five specimens.

**Catoptrophorus semipalmatus** (Gmelin)  
**Willet**  
Abreojos Point, March 16, five specimens.

**Heteractitis incanus** (Gmelin)  
**Wandering Tatler**  
Cerros Island, March 10, two specimens.

**Actitis macularis** (Linnaeus)  
**Spotted Sandpiper**  
San Bartolome Bay, March 13, Concepcion Bay, April 8, and La Paz, April 9, three specimens.

**Numenius americanus** Bechstein  
**Long-billed Curlew**  
Abreojos Point, March 16 and Magdalena Bay, March 21, two specimens.

**Numenius hudsonicus** Latham  
**Hudsonian Curlew**  
Santa Margarita Island, March 19, two specimens.

**Squatarola squatarola** (Linnaeus)  
**Black-bellied Plover**  
Abreojos Point, March 16, two specimens.

**Oxyechus vociferus** (Linnaeus)  
**Killdeer**  
San Jose del Cabo, March 26 and Miraflores, May 11, three specimens.
Ægialites semipalmata (Bonaparte)
SEMPALMATED PLOVER
Abreojos Point, March 16, Tiburon Island, April 12, two specimens.

Ægialitis nivosa Cassin
SNOWY PLOVER
Abreojos Point, March 16, Magdalena Bay, March 20, and Carman Island, April 23, eight specimens.

Ochthodromus wilsonius (Ord)
WILSON’S PLOVER
La Paz, March 27, one specimen.

Aphriza virgata (Gmelin)
SURF-BIRD
The surf-bird probably winters in considerable numbers in the Lower California and Gulf region, having been taken at Abreojos Point on the Pacific side of the peninsula on March 16, at San Josef Island in the Gulf on March 31, and at Tiburon Island off the coast of Sonora on April 12. Twenty or more were seen at San Josef Island.

It is not mentioned by Bryant, or Brewster, nor in any of the papers on Lower California birds with which the writer is familiar. Although its migration route extends from Alaska to Chili, it has never been recorded as common anywhere, and its breeding range is still unknown. So far as observed by the writer, it frequents low rocks along shore that are almost a-wash. All that were seen were comparatively fearless, showing little concern when approached.

Arenaria melanocephala (Vigors)
BLACK TURNSTONE
San Roque Island, March 15, Abreojos Point, March 16, and Tiburon Island, April 12, five specimens.

Hæmatopus frazari Brewster
FRAZAR’S OYSTER-CATCHER
San Benito Islands, March 9, Cerros Island, March 10, Magdalena Bay, March 20, San Josef Island, March 31, and San Esteban Island, April 1, seven specimens.

The oyster-catcher was observed at Agua Verde Bay, April 1, Angel Guardia Island, April 10, and Santa Catalina Island, April 16. A nest and eggs were found at Concepcion Bay, April 7.
Hæmatopus bachmani Audubon
BLACK OYSTER-CATCHER
Cerros Island, March 10, and San Roque Island, March 15, two specimens.

Lophortyx californica vallicola (Ridgway)
VALLEY QUAIL
Not observed by the expedition on the Pacific coast of the peninsula, but found common at many places on the Gulf coast from Cape San Lucas northward to Agua Verde Bay, seven specimens.

Columba fasciata viosce Brewster
VIOSCA'S PIGEON
Miraflores, April 25, May 5 and 20, and San Bernardo Mountain, May 13, eight specimens. Not seen north of the Cape region.

Melopelia asiatica mearnsi Ridgway
WESTERN WHITE-WINGED DOVE
Late in March ten specimens were obtained at Cape San Lucas, San Jose del Cabo, and La Paz.
Observed at most points in the Gulf visited by the ‘Albatross,’ including Tiburon Island.

Zenaida macroura marginella (Woodhouse)
WESTERN MOURNING DOVE
Cape San Lucas, March 22 and 23. Observed at Mulege, April 4 and at Tiburon Island, April 13.

Chamaepelia passerina pallescens Baird
MEXICAN GROUND DOVE
Cape San Lucas, March 24, San Jose del Cabo, March 26, six specimens. The ground dove was seen at Mulege, April 4.

Accipiter cooperi (Bonaparte)
COOPER'S HAWK
Cape San Lucas, March 24, one specimen.

Parabuteo unicinctus harrisi (Audubon)
HARRIS'S HAWK
Cape San Lucas, March 23, one specimen.
Buteo borealis calurus Cassin
WESTERN RED-TAIL
Miraflores, April 25, one specimen.

Falco sparverius phaëna (Lesson)
DESERT SPARROW HAWK
West San Benito Island, March 9 and San Jose del Cabo, March 26, three specimens.

Falco sparverius peninsularis Mearns
SAN LUCAS SPARROW HAWK
Cape San Lucas, March 24 and Miraflores, May 2 and 18, six specimens.

Polyborus cheriway (Jacquin)
AUDUBON’S CARACORA
Santa Margarita Island, March 19 and Magdalena Bay, March 21, two specimens.

Pandion halistus carolinensis (Gmelin)
OSPREY
Observed at many places. Nests are conspicuous on the uninhabited islands such as Cedros and the San Benitos. Young ospreys were brought on board at Agua Verde Bay.
Cerros Island, March 10, one specimen.

Asio flammeus (Pontoppidan)
SHORT-EARED OWL
Cape San Lucas, March 23, one specimen.

Otus xantusi Brewster
XANTUS’S SCREECH OWL
Miraflores, April 25 and May 18, twelve specimens.

Bubo virginianus elachistus Brewster
DWARF HORNED OWL
Angel Guardia Island, April 11, Espiritu Santo Island, April 18, Miraflores, April 30 and May 12, and La Palma, April 20, eight specimens.
Speotyto cunicularia hypogaea (Bonaparte)
Burrowing Owl
San Benito Islands, March 9 and Angel Guardia Island, April 10, two specimens.

Glaucidium hoskinsi Brewster
Hoskin’s Pigmy Owl
Miraflores, April 25 and 30, two specimens.

Micropallas whitneyi sanfordi Ridgway
Sandford’s Elf Owl
Miraflores, April 25 and May 11 and San Bernardo Mountain, May 15, eight specimens.

Geococcyx californianus (Lesson)
Road Runner
A single specimen was taken at San Jose del Cabo, April 24. Although the road runner is an inhabitant of most parts of the peninsula, it was seldom observed by our party. I saw one at San Cristobal Bay, November 16, 1884.

Megaceryle alcyon (Linnaeus)
Belted Kingfisher
Magdalena Bay, March 20 and La Paz, March 29, two specimens.

Dryobates scalaris lucasanus (Xantus)
San Lucas Woodpecker
Common from Cape San Lucas to La Paz. Obtained also at Carmen, San Josef, and Santa Cruz islands, 17 specimens.

Dryobates scalaris cactophilus Oberholser
Cactus Woodpecker
Tiburon Island, April 12.

Melanerpes formicivorus angustifrons Baird
Narrow-fronted Woodpecker
Miraflores, April 28 and May 8, ten specimens.

Centurus uropygialis brewsteri Ridgway
Brewster’s Woodpecker
Common from Cape San Lucas northward along the Gulf Coast to Mulege, 23 specimens.
Centurus uropygialis uropygialis Baird
GILA WOODPECKER
Tiburon Island, April 13, one specimen.

Colaptes chrysoides chrysoides Malherbe
GILDED FLICKER
Agua Verde Bay, April 2 and Miraflores, May 17, two specimens.

Colaptes chrysoides mearnsi Ridgway
MEARN'S GILDED FLICKER
Tiburon Island, April 13, one specimen.

Phalenoptilus nuttalli californicus Ridgway
DUSKY POOR-WILL
Miraflores, May 4, one specimen.

Chordeiles acutipennis inferior Oberholser
SAN LUCAS NIGHTHAWK
Miraflores, May 19, one specimen.

Calypte costae (Bourcier)
COSTA'S HUMMING-BIRD
Cerro Island, March 10 and 12, Santa Maria Bay, March 18, Agua Verde Bay, April 1, San Josef Island, April 1, ten specimens.

Calypte anna (Lesson)
ANNA'S HUMMING-BIRD
Cerro Island, March 12, three specimens.

Basilinna xantusi (Lawrence)
XANTUS'S HUMMING-BIRD
San Josef Island, March 31, Agua Verde Bay, April 1, and Miraflores, May 4 and 11, ten specimens.

Tyrannus vociferans Swainson
CASSIN'S KINGBIRD
Cape San Lucas, March 23, San Jose del Cabo, March 26. Several were seen at Agua Verde Bay, April 2, three specimens.
Myiarchus cinerascens pertinax (Baird)
 Lower California Flycatcher

Common from Cape San Lucas northward along the Gulf coast to San Francisquito Bay. Taken also on San Josef and Ceralbo islands, 33 specimens.

Myiarchus cinerascens cinerascens (Lawrence)
 Ash-throated Flycatcher

Tiburon Island, April 11 and 12, San Esteban Island, April 13 and 14, five specimens.

Sayornis sayus (Bonaparte)
 Say’s Phoebe

Cerros Island, March 11 and 12 and Cape San Lucas, March 24.

Empidonax difficilis cineritus Brewster
 San Lucas Flycatcher

San Josef Island, March 31 and Agua Verde Bay, April 2.

Empidonax difficilis difficilis Baird
 Western Flycatcher

Tiburon Island, April 12.

Empidonax trailli trailli (Audubon)
 Trail’s Flycatcher

San Bernardo Mountain, May 15. The only specimen secured is tentatively referred to the western form.

Empidonax wrighti Baird
 Wright’s Flycatcher

Cape San Lucas, March 23 and 24, La Paz, March 30, and Santa Cruz Island, April 16, seven specimens.

Otocoris alpestris actia Oberholser
 California Horned Lark

Cerros Island, March 10, San Bartolome Bay, March 13 and 14. Shore larks were seen at Carmen Island, April 3.

Aphelocoma californica hypoleuca Ridgway
 Xantus’s Jay

Found from Santa Maria Bay on the Pacific to Concepcion Bay on the Gulf coast, 18 specimens.
Corvus corax sinuatus Wagler
Raven
Specimens were taken at Cerros Island, March 12, Abreojos Point, March 16, and San Bartolome Bay, March 14. Ravens were seen at nearly all points visited by the expedition including Tiburon Island.

Icterus parisorum Bonaparte
Scott's Oriole
Cape San Lucas, March 23 and 24, Miraflores, April 25 and May 6. Seen also at Tiburon Island, April 11.

Icterus cucullatus nelsoni Ridgway
Arizona Hooded Oriole
Common from Cape San Lucas northward along the Gulf coast to Agua Verde Bay. Seen also at Carmen Island, 11 specimens.

Carpodacus mexicanus ruberrimus Ridgway
San Lucas House Finch
Common from Miraflores northward to Mulege. Observed also at Espiritu Santo and Santa Catalina islands, 29 specimens.

Carpodacus mexicanus clementis Mearns
San Clemente House Finch
Cerros Island, March 12.

Carpodacus mexicanus frontalis (Say)
House Finch
The house finches seen on Tiburon and San Esteban islands were probably of this form, which occurs in Sonora.

Carpodacus amplus Ridgway
Guadalupe House Finch
Guadalupe Island, March 1, 28 specimens.

Carpodacus mcgregori Anthony
McGregor's House Finch
West San Benito Island, March 9.

Astragalinus psaltria hesperophilis Oberholser
Green-backed Goldfinch
San Jose del Cabo, March 25, Agua Verde Bay, April 2, and Mulege, April 4.
Townsend, *Birds Collected in Lower California*

**Passerculus sandwichensis alaudinus** Bonaparte  
**Western Savannah Sparrow**
San Bartolome Bay, March 13.

**Passerculus rostratus guttatus** Lawrence  
**San Lucas Sparrow**
Abreojos Point, March 16, Santa Maria Bay, March 19, and Magdalena Bay, March 20 and 21, ten specimens.

**Passerculus rostratus rostratus** (Cassin)  
**Large-billed Sparrow**
Found at most points on the peninsula visited by the expedition and also at Tiburon Island, 16 specimens.

**Passerculus rostratus sanctorum** Ridgway  
**San Benito Sparrow**
San Benito Island, March 9, 16 specimens.

**Chondestes grammacus strigatus** Swainson  
**Western Lark Sparrow**
Cape San Lucas, March 22 and 24, five specimens.

**Zonotrichia leucophrys leucophrys** (J. R. Forster)  
**White-crowned Sparrow**
San Bartolome Bay, March 13, Cape San Lucas, March 24, and San Jose del Cabo, March 26.

**Zonotrichia coronata** (Pallas)  
**Golden-crowned Sparrow**
Cerros Island, March 12 and Cape San Lucas, March 24.

**Spizella pallida** (Swainson)  
**Clay-colored Sparrow**
Cape San Lucas, March 24, five specimens.

**Spizella breweri** Cassin  
**Brewer's Sparrow**
Cape San Lucas, March 24, Carmen Island, April 3, and Espiritu Santo Island, April 19, five specimens.

**Junco insularis** Ridgway  
**Guadalupe Junco**
Guadalupe Island, March 2, five specimens.
Amphispiza bilineata deserticola Ridgway

Desert Sparrow

Taken at nearly all points visited by the expedition including San Esteban, Carmen, Santa Catalina, Santa Cruz, and Espiritu Santo islands.

Melospiza lincolnii lincolnii (Audubon)

Lincoln’s Sparrow

Tiburon Island, April 12.

Pipilo maculatus magnirostris Brewster

Large-billed Towhee

San Bernardo Mountain, May 14.

Pipilo fuscus albigula Baird

San Lucas Towhee


Pipilo fuscus jamesi, new subspecies

Tiburon Island Towhee

Subspecific Characters.—Smaller than P. f. intermedius, but bill and feet larger; coloration similar but paler throughout; chin, throat, breast and abdomen paler; upper parts and flanks much more ashy, ear coverts slightly ashier; anal and femoral regions and under tail-coverts decidedly less tawny; crown lighter rufous.


Type.—No. 131,854, Amer. Mus. Nat. Hist., ♂ ad., Tiburon Island.

In general appearance of under parts this bird has more resemblance to P. f. albicula, the Lower California form, than to intermedius of the adjacent Sonoran mainland, but is paler than either. The Tiburon birds were compared with specimens from Guaymas, taken March 3 to 23. Tiburon Island, April 12, 13. 4 specimens.

Named for Mr. Arthur Curtiss James of New York.

Oreospiza chlorura (J. K. Townsend)

Green-tailed Towhee

Specimens were taken at Cape San Lucas, March 24 and La Paz, March 29. It was observed also at Tiburon Island.
Cardinalis cardinalis igneus Baird

SAN LUCAS CARDINAL

Found by the expedition in the Cape region where it is common and as far north as Concepcion Bay. Specimens were taken also at Carmen Island.

Cardinalis cardinalis affinis Nelson

ALAMOS CARDINAL

The single specimen of this genus, a female, secured at Tiburon Island on April 12 is tentatively referred to affinis, but appears to be smaller with larger feet.

Pyrrhuloxia sinuata peninsulae Ridgway

SAN LUCAS PYRRHULOXIA

This bird was found by our party only at the extreme lower end of the peninsula, being taken at Cape San Lucas on March 23 and 24 and at San Jose del Cabo on March 26, seven specimens.

Zamelodia melanocephala (Swainson)

BLACK-HEADED GROSBEAK

Cape San Lucas, March 24, Agua Verde Bay, April 12, Concepcion Bay, April 2, and Miraflores, May 10, six specimens.

Passerina amœna (Say)

LAZULI BUNTING

Concepcion Bay, April 7. Observed at San Francisquito Bay, April 9, and at Tiburon Island, April 13.

Passerina versicolor pulchra Ridgway

BEAUTIFUL BUNTING

Miraflores, May 7 and 17, San Bernardo Mountain, May 14, six specimens.

Calamospiza melanocorys Stejneger

LARK BUNTING

Cerros Island, March 11, Santa Margarita Island, March 20, and Cape San Lucas, March 23, seven specimens.

The record for Cerros Island indicates an extension of its known range. It was observed at Carmen and Tiburon islands.
Tachycineta thalassina brachyptera Brewster

SAN LUCAS SWALLOW
San Jose del Cabo, March 25 and 26, Agua Verde Bay, April 2, San Francisquito Bay, April 9, Espiritu Santo Island, April 18, 13 specimens.

Phainopepla nitens (Swainson)

PHAINOPEPLA
Obtained at Agua Verde Bay, April 1 and 2, Tiburon Island, April 12, and Miraflores, May 7, 11 specimens.
Although known to be common in many parts of the peninsula, we did not see it except at the points mentioned.

Lanius ludovicianus gambeli Ridgway

CALIFORNIA SHRIKE
Shrikes were taken at Cape San Lucas, March 24, San Jose del Cabo, March 25, and Angel Guardia Island, April 11. They were observed also at Tiburon Island.

Vireosylvia gilva swainsoni (Baird)

WESTERN WARBLING VIREO
Miraflores, April 25 and May 17 and San Bernardo Mountains, May 13, seven specimens.

Lanivireo solitarius lucasanus (Brewster)

SAN LUCAS VIREO
Same localities and dates as preceding, eight specimens.

Vireo bellii pusillus Coues

LEAST VIREO
Santa Cruz Island, April 16.

Vermivora celata lutescens (Ridgway)

LUTESCENT WARBLER
Santa Margarita Island, March 17 and 18 and Cape San Lucas, March 23.

Dendroica bryanti castaneiceps Ridgway

MANGROVE WARBLER
Santa Maria Bay, March 17 and 18, La Paz, March 27, and San Jose del Cabo, March 25, six specimens.
This warbler is common among the mangroves at Santa Maria Bay.
Dendroica auduboni auduboni (J. K. Townsend)
Audubon's Warbler
Cerros Island, March 12, and at sea, north of Guadalupe Island, April 25.

Dendroica nigrescens (J. K. Townsend)
Black-throated Gray Warbler
Concepcion Bay, April 8.

Seiurus noveboracensis notabilis Ridgway
Grinnell's Water Thrush
Magdalena Bay, March 21.

Geothlypis trichas arizela Oberholser
Pacific Yellow-throat
Magdalena Bay, March 20 and 21.

Geothlypis beldingi Ridgway
Belding's Yellow-throat
San Jose del Cabo, March 24 and 25 and Miraflores, May 5 and 9, six specimens.

Wilsonia pusilla pileolata (Pallas)
Pileolated Warbler
At sea, north of Guadalupe Island, April 25.

Anthus rubescens (Tunstall)
American Pipit
San Jose del Cabo, March 26 and Carmen Island, April 3.

Oreoscoptes montanus (J. K. Townsend)
Sage Thrasher
San Bartolome Bay, March 13, four specimens.

Mimus polyglottos leucopterus (Vigors)
Western Mockingbird
Specimens were taken at Cerros Island, March 11, Magdalena Bay, March 19, Cape San Lucas, March 23 and 24, La Paz, March 27 and 30, and at Agua Verde Bay, April 2.

The mockingbird was observed also at Mulege, Concepcion Bay, San Franciscuito Bay, and Tiburon Island. It was fairly common wherever met with.
Toxostoma bendirei (Coues)
Bendire's Thrasher
Tiburon Island, April 3.

Toxostoma cinereum cinereum (Xantus)
San Lucas Thrasher
Cape San Lucas, March 23, San Jose del Cabo, March 25, Agua Verde Bay, April 1 and 2, and Miraflores, May 9 and 10.

Heleodytes brunneicapillus affinis (Xantus)
San Lucas Cactus Wren
Cape San Lucas, March 23, San Jose del Cabo, March 25 and 26, La Paz, March 29 and April 19, Agua Verde Bay, April 1 and 2, and Miraflores, May 19.

Heleodytes brunneicapillus brunneicapillus (Lafresnaye)
Guaymas Cactus Wren
Tiburon Island, April 12.

Salpinctes obsoletus obsoletus (Say)
Rock Wren
San Benito Islands, March 9 and Magdalena Bay, March 21.

Salpinctes obsoletus guadeloupen sis Ridgway
Guadalupe Rock Wren
Guadalupe Island, March 2, ten specimens.

Catherpes mexicanus polioptilus Oberholser
Intermediate Canyon Wren
Espiritu Santo Island, April 18 and 19.

Thryomanes bewickii cerroensis (Anthony)
Cerros Island Wren
Cerros Island, March 12, three specimens.

Telmatodytes palustris plesius (Oberholser)
Western Marsh Wren
San Francisquito Bay, April 10.

Auriparus flaviceps lamprocephalus Oberholser
Cape Verdin
Magdalena Bay, March 19 and 21, Cape San Lucas, March 23 and 24, La Paz, March 30, Agua Verde Bay, April 2, Concepcion Bay, April
6 and 7, Angel Guardia Island, April 11, Ceralbo Island, April 19, Mira-flores, May 10 and 11, and Tiburon Island, April 12.

A nest and two eggs were taken at Cape San Lucas on March 23, and a nest with three eggs at Tiburon Island, April 12, the eggs on the latter date being at the point of hatching.

**Polioptila cerulea obscura** Ridgway

**Western Gnatcatcher**

Specimens were taken at La Paz, March 29 and 30, Agua Verde Bay, April 12, Concepcion Bay, April 9, Ceralbo Island, April 19, Mira-flores, May 8.

It was observed also at Mulege and Santa Catalina Island, and was rather common at most of the localities where it was found.

**Polioptila plumbea** (Baird)

**Plumbeous Gnatcatcher**

Santa Margarito Island, March 19, Cape San Lucas, March 24, San Jose del Cabo, March 26, La Paz, March 29 and 30, and Tiburon Island, April 12.

**Planesticus confinis** (Baird)

**San Lucas Robin**

San Bernardo Mountain, May 12–15, three specimens.
MAP OF THE LOWER CALIFORNIA REGION
SHOWING ROUTE OF THE ALBATROSS EXPEDITION IN 1911
UNDER THE DIRECTION OF G.H. TOWNSEND