

# BIRD-BANDING

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## RETURNS OF BANDED BIRDS: Third Paper.<sup>1</sup>

(SOME RECOVERIES OF WATER BIRDS FROM LATIN AMERICA)

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IN preparing for punching, the great accumulation of return cards of the last two years, Miss May T. Cooke of the Biological Survey, was impressed with the constantly increasing number of recoveries that are being reported from the countries south of the Rio Grande. Accordingly, it is thought that a presentation of some of these data will be of special interest to the operators of all banding stations and other students of birds.

As was the case with the preceding papers it is not practicable to present all cases for some of the species that for several years have received much attention. For example, tens of thousands of Common Terns, *Sterna hirundo*, are banded each season and many are subsequently reported from Central American and Caribbean points. Notice of some of these has already been made in *Bird-Banding*, chiefly in papers from the O. L. Austin Ornithological Research Station. Similarly the results from the extensive banding of Black-Crowned Night Herons, *Nycticorax nycticorax hoactli*, have been largely commented upon in these pages by Dr. John B. May.<sup>2</sup>

While thousands of return cards have recently been punched and are now being sorted for species distribution and filing, it is impossible at the time of this writing to make an accurate statement concerning the number of returns that are on hand for the different species. Accordingly, this part in the present paper is omitted.

### WHITE PELICAN. *Pelecanus erythrorhynchos*

- ✓ A714413, banded at Big Quill Lake, near Dafoe, Saskatchewan, Canada, on July 6, 1932, by J. A. M. Patrick, was killed at Laguna de Yesca, 4 kilometers North of Panuco, Vera Cruz, Mexico, on January 22, 1935.
- ✓ A716439, banded at Merrill, Oregon, on June 26, 1934, by H. M. Worcester, was shot at Tabasco, Mexico, on November 6, 1934.
- ✓ A723339, banded at Clear Lake Wild Life Refuge, Modoc County, California, on June 26, 1934, by H. M. Worcester, was killed at Cuitzeo, Michoacan, Mexico, about January 30, 1935.

<sup>1</sup>First and Second papers: *Bird-Banding*, Vol. VII, pp. 38-45; 121-128.

<sup>2</sup>*Bull. N. E. Bird-Banding Assn.*, Vol. II, No. 2, pp. 25-28, April, 1926, and Vol. V, No. 1, pp. 7-16, January, 1929.

- ✓ A723999, banded at Bird Island, Clear Lake, Modoc County, California, on June 26, 1934, by H. M. Worcester, was shot at El Carmen, Tlaxcala, Mexico, about September 25, 1934.
- ✓ A727500, banded at Clear Lake Wild Life Refuge, Modoc County, California, on June 26, 1934, by H. M. Worcester, was killed at Etzatlan, Jalisco, Mexico, on February 9, 1935.
- ✓ A728218, banded at Molly Island, Yellowstone Park, Wyoming, on July 23, 1933, by Roger W. Toll, was caught at Escuinapa, Sinaloa, Mexico, about November 28, 1934.
- ✓ A728292, banded at Molly Island, Yellowstone Lake, Yellowstone Park, Wyoming, on June 23, 1934, by Roger W. Toll, was killed at Laguna de Zacoal, Villa Corona, 30 miles South of Guadalajara, Jalisco, Mexico, on December 30, 1934.
- ✓ A728304, banded at Molly Island, Yellowstone Lake, Wyoming, on July 23, 1933, by Roger W. Toll, was killed at Caimanero, Rosario, Sinaloa, Mexico, about October 1, 1935.
- ✓ A727406, banded at Clear Lake Refuge, Modoc County, California, on June 26, 1934, by H. M. Worcester, was found at Rosario, Sinaloa, Mexico, about February 10, 1935.
- ✓ A727416, banded at Clear Lake Refuge, Modoc County, California, on June 26, 1934, by H. M. Worcester, was killed by natives at Caimanero, Sinaloa, Mexico, about December 5, 1934.
- ✓ 34-700029, banded at Lake Bowdoin, Malta, Montana, on June 17, 1934, by Vernon L. Marsh, was captured at Hacienda de Vicencio Puebla, (400 kilometers from Mexico City) Mexico, on November 2, 1934.
- ✓ 34-701096, banded at Molly Island, Yellowstone Lake, Yellowstone Park, Wyoming, on June 23, 1934, by Roger W. Toll, was shot by an Indian near Pachuca, Hidalgo, Mexico, about October 17, 1935.
- ✓ 34-701825, banded at Chase Lake, Stutsman County, North Dakota, on July 26, 1934, by Glenn L. Berner. The band was brought in by a Mexican hunter at Matamoros, Tampo, Mexico, on June 1, 1935.
- ✓ 34-708553, banded at Clear Lake Refuge, Modoc County, California, on July 7, 1935, by H. M. Worcester, was found at Sebampo Etchojoa, Sonora, Mexico, about April 15, 1936.

BROWN PELICAN. *Pelecanus occidentalis*

- A722088, banded at Brevard Reserve, Florida, on October 22, 1932, by R. J. Longstreet, was shot at Stirrup Cay, Berry Island, Bahamas, on December 21, 1933.
  - A722089, banded at Brevard Reserve, Florida, on October 22, 1932, by R. J. Longstreet, was shot at Cabañas Harbor, Pinar del Rio, Cuba, on June 30, 1933.
  - A729080, banded at Brevard Reserve, Florida, on September 20, 1933, by R. J. Longstreet, was shot at Guauraba River, near Trinidad, Cuba, on May 19, 1934.
- Five other Brown Pelicans banded at this same time and place also were recovered in Cuba.
- A729381, banded at Brevard Reserve, Florida, on October 28, 1933, by R. J. Longstreet, was captured near Isabela de Sagua, Rio de Sagua la Grande, Cuba, about February 11, 1934.
  - A729686, banded at Brevard Reserve (Mosquito Lagoon), Florida, on October 28, 1933, by Joseph C. Howell, was shot at Eight Mile Rock, Grand Bahama, Bahamas, on February 22, 1935.
  - A729690, banded at Brevard Reserve, Florida, on October 28, 1933, by Joseph C. Howell, was found sick and died at Rio Canimas, Matanzas, Cuba, on March 23, 1934.
  - A729708, banded at Brevard Reserve, Florida, on October 28, 1933, by Joseph C. Howell, was shot at Stirrup's Cay, Bury Island, Bahamas, on March 23, 1934.

A729856, banded at Brevard Reserve, Florida, on September 30, 1934, by Joseph C. Howell, was found dead at Cienfuegos, Cuba, on September 2, 1935.

Two others banded at the same time and place, also reported from Cuba.

34-702712, banded at Pelican Island, Mosquito Lagoon, Florida, on November 4, 1934, by Edward M. Davis, was captured at Vasquez, Cuba, on February 8, 1935.

34-702816, banded at Pelican Island, Mosquito Lagoon, Florida, on November 4, 1934, by Edward M. Davis, was captured at Progreso, Yucatan, Mexico, on September 4, 1935.

34-702911, banded at Pelican Island, Mosquito Lagoon, Florida, on November 12, 1934, by Edward M. Davis, was captured and released at Matanzas, Cuba, on January 10, 1935.

34-703040, banded at Brevard Reserve, Florida, on October 20, 1934, by R. J. Longstreet, was caught 15 miles off Manzanillo, Cayo Medano, Cuba, on February 5, 1936.

34-703466, banded at Pelican Island, Mosquito Lagoon, Florida, on November 18, 1934, by Edward M. Davis, was killed at Bay of Puerto Padre, Oriente, Cuba, about April 1, 1935.

36-800196, banded at Pelican Island, Mosquito Lagoon, Florida, on September 30, 1935, by Edward M. Davis, was found dead at La Coloma, Pinar del Rio, Cuba, about December 15, 1935.

36-800315, banded at Pelican Island, Mosquito Lagoon, Florida, on October 20, 1935, by Edward M. Davis, was captured and released at Nuevitas, Cuba, on February 25, 1936.

Fourteen others, banded at this same time and place also were reported from Cuba.

GREAT BLUE HERON. *Ardea herodias*

A717307, banded at Spider Island, Door County, Wisconsin, on June 30, 1933, by William I. Lyon, was killed at Mendoza, Pinar del Rio, Cuba, about July 1, 1934.

A718671, banded at Bird Island, Clear Lake Refuge, California, on June 17, 1932, by H. M. Worcester, was found dead near Culiacán, Sinaloa, Mexico, about January 1, 1935.

C622018, banded at Woody Island, Lake Bowdoin, Malta, Montana, on June 20, 1933, by Vernon L. Marsh, was found wounded at San Pedro, Tamaulipas, Mexico, on January 18, 1935.

C622169, banded at Woody Island, Lake Bowdoin, Malta, Montana, on June 20, 1933, by Vernon L. Marsh, was shot at El Charquito, near Tula, Tamaulipas, Mexico, on April 12, 1935.

34-700136, banded at Lake Bowdoin, Malta, Montana, on June 17, 1934, by Vernon L. Marsh, was killed 12 miles South of Monclova, Coahuila, Mexico, on October 22, 1934.

34-700144, banded at Lake Bowdoin, Malta, Montana, on June 17, 1934, by Vernon L. Marsh, was shot at Orizatlan, Hidalgo, Mexico, about February 1, 1935.

34-700194, banded at Lake Bowdoin, Malta, Montana, on June 17, 1934, by Vernon L. Marsh, was wounded at Cadereyta Montes, Queretaro, Mexico, on January 13, 1935.

EGRET. *Casmerodius albus egretta*

34-661891, banded at Good Hope, Mississippi, on June 16, 1935, by Ben B. Coffey, Jr., was shot near Belize, British Honduras, on December 1, 1935.

SNOWY EGRET. *Egretta thula*

B611997, banded at Vingt'eun Island, Trinity Bay, Chambers County, Texas, on May 29, 1932, by Alston Clapp, Sr., was shot at Banana River, Costa Rica, on July 8, 1933.

REDDISH EGRET. *Dichromanassa rufescens*.

- ✓ B624233, banded at an island in San Antonio Bay, Aransas County, Texas, on May 30, 1935, by Alston Clapp, Sr., was killed at Huatusco, Veracruz, Mexico, on October 8, 1935.

LITTLE BLUE HERON. *Florida caerulea*

- A540044, banded at Heron Island, Charleston County, South Carolina, on June 11, 1932, by E. Milby Burton, was shot near St. Thomas, Jamaica, British West Indies, on October 30, 1934.
- A567203, banded at Heron Island, Charleston County, South Carolina, on June 12, 1933, by E. Milby Burton, was caught at Duncan Town, Ragged Island, Bahamas, British West Indies, on October 1, 1935.
- 34-523162, banded at Heron Island, Charleston County, South Carolina, on June 6, 1934, by E. Milby Burton, was killed at Cumaná, Venezuela, South America, on October 21, 1934.

BLACK-CROWNED NIGHT HERON. *Nycticorax nycticorax hoactli*

- 326515, banded at St. Clair Flats, Michigan, on June 21, 1925, by W. B. Purdy, was shot at Agabama River, 12 miles from Trinidad, Cuba, on July 4, 1927.
- B664630, banded at East Springfield, Massachusetts, on June 18, 1932, by Harry Earle Woods, was killed at Los Hermanos, Cuba, about February 15, 1935.
- B699932, banded at Susquehanna River at Harrisburg, Pennsylvania, on June 7, 1933, by Dr. Harold B. Wood, was found dead at Remates, Pinar del Rio, Cuba, about March 20, 1934.
- B670084, banded at Duck Creek, Brown County, Wisconsin, on July 10, 1932, by William I. Lyon, was shot at Lake Ariguanabo, near Habana, Cuba, on December 21, 1932.

PINTAIL. *Dafila acuta tzitzihoa*

- ✓ 599[—]6, banded at Ellinwood, Kansas, in February, 1930, by F. W. Robl, was killed at Hacienda Gogarrón, San Luis Patosi, Mexico, on December 9, 1934.
- ✓ A575291, banded at Newman, California, on October 4, 1933, by Egbert R. Jones, was killed 40 miles southeast of Tepic, Nayarit, Mexico, during the Fall of 1933.
- ✓ B659752, banded at Ellinwood, Kansas, on March 26, 1932, by F. W. Robl, was shot at Zacoalco, Jalisco, Mexico, on November 2, 1932.
- ✓ B660745, banded at Ellinwood, Kansas, on March 5, 1933, by F. W. Robl, was killed at Cape Obregon, Sonora, Mexico, about April 25, 1935.
- ✓ C607059, banded at Avery Island, Louisiana, on February 5, 1933, by E. A. McIlhenny, was shot at Laguna Japoy, Tamesi River, Tamaulipas, Mexico, on December 15, 1934.
- ✓ C614894, banded at Ellinwood, Kansas, on March 25, 1933, by F. W. Robl, was shot at San José del Paso, Guanajuato, Mexico, on January 30, 1934.
- ✓ C617525, banded at Ellinwood, Kansas, on April 5, 1933, by F. W. Robl, was shot at Durango, Durango, Mexico, on October 24, 1933.
- ✓ 34-500732, banded at Brooks, Alberta, on July 29, 1934, by Egbert R. Jones, was shot, but not killed, at Tenango del Valle, Mexico, about April 20, 1936.
- ✓ 34-502178, banded at Voltage, Oregon, on October 22, 1934, by George M. Benson, was shot at Municipio de Tecualan, Nayarit, Mexico, about April 1, 1935.
- ✓ 34-502311, banded at Voltage, Oregon, on October 23, 1934, by George M. Benson, was shot at Zamora, Michoacan, Mexico, about February 1, 1935.
- ✓ 34-502342, banded at Voltage, Oregon, on October 24, 1934, by George M. Benson, was killed at Santa Maria Slough, Lower California, on November 24, 1934.
- ✓ 34-512017, banded at Ellinwood, Kansas, on March 5, 1934, by F. W. Robl, was killed near Mazatlan, Sinaloa, Mexico, on October 10, 1934.
- ✓ 34-512095, banded at Ellinwood, Kansas, on March 6, 1934, by F. W. Robl, was killed at Cameron, Nuevo Leon, Mexico, about September 25, 1934.

- ✓ 34-512320, banded at Ellinwood, Kansas, on March 7, 1934, by F. W. Robl, was shot near Zamora, Michoacan, Mexico, on October 21, 1934.
- ✓ 34-512530, banded at Ellinwood, Kansas, on March 9, 1934, by F. W. Robl, was shot at Laguna de Texcoco, near Mexico City, Mexico, on January 13, 1935.
- 34-515257, banded at Ellinwood, Kansas, on April 11, 1934, by F. W. Robl, was shot at Laguna de Garrobas, 15 miles Southeast of Puerto Cortes, Spanish Honduras, on January 29, 1935.
- ✓ 34-604392, banded at Newman, California, on September 1, 1934, by Egbert R. Jones, was shot at Matamoros, Tamaulipas, Mexico, on October 7, 1934.

GREEN-WINGED TEAL. *Nettion carolinense*

- ✓ 101495, banded at Avery Island, Louisiana, on March 4, 1922, by E. A. McIlhenny, was shot at Sabinas River, Coahuila, Mexico, on February 2, 1930.

BLUE-WINGED TEAL. *Querquedula discors*

- 237861, banded at La Batture aux Loups, Marins, near L'Islet, Quebec, on September 5, 1930, by Iver S. Adams, was shot at Plantation Enmore, Georgetown, British Guiana, on October 2, 1930.
- 363850, banded at Kearney, Nebraska, on April 13, 1927, by A. R. Golay, was shot at Santa Marta, Colombia, South America, about October 15, 1927.
- ✓ 531723, banded at Waco, Texas, on March 8, 1929, by William P. Sparks, was shot at Matamoros, Tamaulipas, Mexico, about December 13, 1930.
- 531961, banded at Ellinwood, Kansas, on May 4, 1929, by F. W. Robl, was shot at Elia, Camaguey, Cuba, about August 19, 1930.
- ✓ 533401, banded at Ellinwood, Kansas, on May 5, 1929, by F. W. Robl, was killed at the Piedra Blanca Ranch, Coahuila, Mexico, about October 15, 1930.
- ✓ A500212, banded at Ellinwood, Kansas, on April 10, 1930, by F. W. Robl, was killed 40 miles below Matamoros, Tamaulipas, Mexico, on September 18, 1931.
- ✓ A500216, banded at Ellinwood, Kansas, on April 10, 1930, by F. W. Robl, was killed at Chuburna, Yucatan, Mexico, on February 8, 1931.
- A500231, banded at Ellinwood, Kansas, on April 12, 1930, by F. W. Robl, was shot at Caroni Swamps, Trinidad, British West Indies, on March 24, 1932.
- A500237, banded at Ellinwood, Kansas, on April 13, 1930, by F. W. Robl, was shot at Puerto Cortes, Spanish Honduras, in February, 1931.
- ✓ A507743, banded at Ellinwood, Kansas, on April 27, 1932, by F. W. Robl, was shot at Colonia Portada Norte, Minatitlan, Mexico, during March, 1934.
- A507751, banded at Ellinwood, Kansas, on April 28, 1932, by F. W. Robl, was shot at Montego-Bay, Jamaica, British West Indies, on October 1, 1935.
- A510183, banded at Ellinwood, Kansas, on April 24, 1930, by F. W. Robl, was shot at Corocito, Honduras, on November 7, 1931.
- A544414, banded at Munuskong State Park, Chippewa County, Michigan, on August 17, 1932, by H. D. Ruhl, was captured at Loiza, Puerto Rico, on April 11, 1935.
- ✓ B620791, banded at Forest Lake, Minnesota, on July 28, 1932, by Walter P. Houle, was shot at Sisal, Yucatan, Mexico, on November 21, 1932.

CINNAMON TEAL. *Querquedula cyanoptera*

- ✓ 536899, banded at Modesto Properties, 15 miles west of Merced, California, on July 16, 1933, by Egbert R. Jones, was shot at Hacienda La Casita, Sonora, Mexico, on August 25, 1934.
- ✓ A504407, banded 12 miles west of Merced, California, on July 4, 1930, by Egbert R. Jones, was shot at Guadalajara, Jalisco, Mexico, on September 29, 1930.
- ✓ A504442, banded 15 miles west of Merced, Merced County, California, on July 10, 1930, by Egbert R. Jones, was killed at Querendaro, Michoacan, Mexico, about November 14, 1931.

- ✓ A504929, banded at Voltage, Oregon, on October 8, 1930, by George M. Benson, was found at Tepic, Nayarit, Mexico, on November 5, 1930.

REDHEAD. *Nyroca americana*

- ✓ 455411, banded at Bear River Marshes, Utah, on June 25, 1929, by Archie Hull, was shot at Boquilla Lake, Ciudad Camargo, Chihuahua, Mexico, on November 8, 1929.
- ✓ A607092, banded at Bear River Marshes, Utah, on July 20, 1929, by Archie Hull, was shot at Mazatlan, Sinaloa, Mexico, on December 13, 1929.
- ✓ A607348, banded at Bear River Marshes, Utah, on July 23, 1929, by Archie Hull, was killed at Baja California, Mexico, 35 miles below the border, on January 15, 1930.
- ✓ A607402, banded at Bear River Marshes, Utah, on July 24, 1929, by Archie Hull, was killed at Mazatlan, Sinaloa, Mexico, about May 6, 1930.
- ✓ A646459, banded at Bear River Marshes, Utah, on July 24, 1930, by Archie Hull, was shot 14 miles north of Cananea, Sonora, Mexico, on November 9, 1930.
- ✓ A646473, banded at Bear River Marshes, Utah, on July 24, 1930, by Archie Hull, was killed 20 miles east of Chihuahua, Mexico, on October 26, 1930.
- ✓ A651264, banded at Bear River Marshes, Utah, on August 4, 1930, by Archie Hull, was killed at Cananea, Sonora, Mexico, on October 21, 1930.
- ✓ A687079, banded at Box Elder County, Utah, on July 29, 1931, by George E. Mushbach, was shot at El Descanso, Lower California, Mexico, on August 26, 1931.
- ✓ B635469, banded at Box Elder County, Utah, on August 4, 1932, by George E. Mushbach, was shot at Amealco, Queretaro, Mexico, on December 18, 1932.
- ✓ B635675, banded at Box Elder County, Utah, on August 5, 1932, by George E. Mushbach, was shot at Lake Patzcuaro, Michoacan, Mexico, on February 15, 1933.
- ✓ B635698, banded at Box Elder County, Utah, on August 4, 1932, by George E. Mushbach, was captured and released at Empalme, Sonora, Mexico, on March 13, 1934.
- ✓ B639195, banded at Voltage, Oregon, on April 1, 1932, by George M. Benson, was shot at Tia Juana, Lower California, Mexico, on January 5, 1935.

LESSER YELLOW-LEGS. *Totanus flavipes*

- 34-258574, banded at North Eastham, Cape Cod, Massachusetts, on August 3, 1935, by O. L. Austin, was killed at São Paulo, Brazil, South America, in November, 1935.

CALIFORNIA GULL. *Larus californicus*\*

- ✓ 544378, banded at Bittern Lake, 12 miles West of Camrose, Alberta, on June 22, 1927, by Frank L. Farley, was killed in the Valley of Yaqui River, Mexico, about June 16, 1934.
- ✓ A571828, banded at Woody Island, Lake Bowdoin, Malta, Montana, on June 17, 1934, by Vernon L. Marsh, was found dead at Rio Sextin, Municipio de Inde, Durango, Mexico, on January 7, 1935.
- ✓ A571947, banded at Woody Island, Lake Bowdoin, Malta, Montana, on June 17, 1934, by Vernon L. Marsh, was found at Rio Yaqui, Sonora, Mexico, about April 22, 1936.
- ✓ A572002, banded at Woody Island, Lake Bowdoin, Malta, Montana, on June 17, 1934, by Vernon L. Marsh, was found at Culiacán, Sinaloa, Mexico, on December 5, 1934.
- ✓ A678642, banded at Gull Island, Bittern Lake, Alberta, on June 18, 1932, by Frank L. Farley, was shot at Mexicali, Baja California, Mexico, on January 27, 1935.

\*There is some question of identity of these gulls as in nearly every case two or three species were nesting together. The points of recovery, however, are most probable for this species.

COMMON TERN. *Sterna hirundo*

The following represent groups of birds banded in the O. L. Austin Ornithological Station at North Eastham, Cape Cod, Massachusetts, the actual banding site being "Tern Island" in that general neighborhood:

- Four, banded during the period June 24-27, 1934, were recaptured in December, 1934, and April, 1935, near Cayenne, French Guiana.
- Six, banded during the period June 24-26, 1934, were recaptured on November 15, and December 9, 1934, near Cumaná, Venezuela.
- Four, banded during the period June 26-July 1, 1934, were recaptured on September 15 and October 20, 1934, in the Dominican Republic.
- Nine, banded during the period June 24-July 15, 1934, were recaptured on September 13 and December 28, 1934, near Puerto Rico.
- 478068, banded at Brant Beach, New Jersey, on July 13, 1927, by John Bartram, was found exhausted at Upper Pomeroun, British Guiana, on January 7, 1933.
- 674003, banded at Tern Island, Chatham, Massachusetts, on July 1, 1928, by Charles B. Floyd, was killed at Cabo Rojo, Puerto Rico, on September 7, 1934. During the period, September 7-15, 1934, thirteen Common Terns banded at Cape Cod, Massachusetts, were reported killed or captured at Cabo Rojo, Puerto Rico.
- A330171, banded at Penikese Island, Massachusetts, on July 5, 1929, by L. B. Fletcher, was killed at El Guamache, Venezuela, South America, in January, 1934.
- A340930, banded at Upper Sugar Loaf Island, Maine, on July 5, 1930, by Olin S. Pettingill, Jr., was found dead at Cayenne, French Guiana, on May 31, 1931.
- A364220, banded at Lower Sugar Loaf Island, Maine, on July 11, 1930, by Olin S. Pettingill, was shot at Brighton Pier, Brighton Trinidad, British West Indies, in March, 1931.
- A420635, banded at Lower Sugar Loaf Island, Popham, Maine, on July 11, 1930, by Alfred O. Gross, was found at Marabelle Beach, Trinidad, about May 28, 1931.
- A432347, banded at Beach Haven, New Jersey, on July 2, 1931, by James Spear, Jr., was captured at Labrea, Trinidad, British West Indies, about March 3, 1932.
- A432348, banded at Beach Haven, New Jersey, on July 2, 1931, by James Spear, Jr., was caught alive at Carupano, Venezuela, on September 14, 1931.
- A435784, banded at Brant Beach, New Jersey, on July 15, 1934, by William B. Wright, was killed at Camuy, Puerto Rico, about September 15, 1934.
- B306722, banded at Large Weepectet Island, Gosnold, Massachusetts, on June 27, 1931, by Ethel M. and Sears Crowell, was found dead at Cumaná, Venezuela, South America, on December 5, 1934.
- Four others banded at the same time and place were retaken on the island of Trinidad, British West Indies and three were recaptured in Puerto Rico.
- B312234, banded at Penikese Island, Massachusetts, on July 6, 1933, by Winsor M. Tyler, was shot at St. Michael, Barbados, British West Indies, on September 10, 1933.
- B312306, banded at Penikese Island, Massachusetts, on July 6, 1933, by Winsor M. Tyler, was captured alive at Arecibo, Puerto Rico, about October 17, 1933.
- B312787, banded at Penikese Island, Massachusetts, on July 6, 1933, by Winsor M. Tyler, was killed at Roseau, Dominica, British West Indies, about October 25, 1933.
- B312820, banded at Penikese Island, Massachusetts, on July 6, 1933, by Winsor M. Tyler, was picked up by a fisherman at Labrea, Trinidad, British West Indies, on March 22, 1934.
- B348371, banded at Weepectet Island, Gosnold, Massachusetts, on July 6, 1933, by Ethel M. and Sears Crowell, was killed at Fort de France, Martinique, on August 30, 1933.

- B351390, banded at Tern Island, Chatham, Massachusetts, on June 23, 1933, by Dr. Oliver L. Austin, was captured alive at Port-of-Spain, Trinidad, British West Indies, on June 22, 1935.
- B351476, banded at Tern Island, Chatham, Cape Cod, Massachusetts, on June 23, 1933, by Dr. Oliver L. Austin, was found dead at Massacre River, Manzanillo Bay, Dominican Republic, about September 1, 1935.
- B366235, banded at Lone Tree Island, Sebawaing, Michigan, on July 13, 1932, by F. E. Ludwig, was found dead at Iriona, Honduras, on November 19, 1932.
- B371450, banded at North Point, Chatham, Massachusetts, on July 9, 1932, by Dr. Oliver L. Austin, was found dead on the Island of Marajó, Para, Brazil, on January 3, 1936.
- B378353, banded at Brant Beach, New Jersey, on June 25, 1933, by J. A. Gillespie, was captured alive at Port Royal, Jamaica, British West Indies, on September 2, 1933.
- B395923, banded at Egg Island, Lewis Bay, Hyannis, Massachusetts, on July 13, 1933, by Dr. Oliver L. Austin, was killed at Sanchez, Dominican Republic, about December 1, 1934.
- B397248, banded at Tern Island, Chatham, Massachusetts, on June 24, 1934, by Dr. Oliver L. Austin, was killed at Cubagua, Venezuela, South America, in December, 1934.
- B398874, banded at Tern Island, Chatham, Massachusetts, on June 24, 1934, by Dr. Oliver L. Austin, was shot at Anchor Ranch, Turani, Berbice River, British Guiana, about March 15, 1935.
- C305260, banded at Ram Island, Mattapoisett, Massachusetts, on June 27, 1934, by Ethel M. Crowell, flew aboard boat, exhausted, died in an hour, at Essequibo and Demerara River, near Demerara, British Guiana, on November 28, 1934.
- C305284, banded at Ram Island, Mattapoisett, Massachusetts, on June 27, 1934, by Ethel M. Crowell, killed at Cayenne, French Guiana, about February 7, 1935.
- C305529, banded at Ram Island, Mattapoisett, Massachusetts, on June 27, 1934, by Ethel M. Crowell, was shot at St. Philip, Barbados, British West Indies, in September, 1934.
- C312746, banded at Brant Beach, New Jersey, on July 1, 1934, by James Spear, Jr., boarded a fisherman's canoe, exhausted, at Macuto, near La Guayra, Venezuela, on January 1, 1935.
- C316881, banded at Penikese Island, Massachusetts, on July 2, 1933, by Charles B. Floyd, flew aboard ship 15 miles northeast entrance to San Juan River, Venezuela, on April 3, 1934.
- C317033, banded at Penikese Island, Massachusetts, on July 2, 1933, by Charles B. Floyd, was shot at Aruba, British West Indies, on September 8, 1933.
- C320401, banded at Penikese Island, Massachusetts, on July 4, 1934, by Charles B. Floyd, was caught at Arecibo, Puerto Rico, on September 4, 1934.
- C330207, banded at Pelican Island, Leech Lake, Minnesota, on July 6, 1933, by Dr. H. A. Burns, was found injured at La Venta Beach, 87 miles southwest of Panama City, Canal Zone, about October 1, 1934.
- 34-314888, banded at Jack Island Reef, near Ephraim, Wisconsin, on July 5, 1934, by Harold C. Wilson, was killed at Lamentin, Martinique, French West Indies, on September 25, 1935.
- 34-324669, banded at Tern Island, Chatham, Massachusetts, on July 1, 1934, by Dr. Oliver L. Austin, was killed by a fisherman at Barcelona, Venezuela, South America, on November 11, 1934.
- 34-326294, banded at Egg Island, Lewis Bay, Hyannis, Massachusetts, on July 2, 1934, by Dr. Oliver L. Austin, was killed at Sanchez, Dominican Republic, about December 1, 1934.
- 34-335683, banded at Little Egg Harbor, New Jersey, on July 13, 1934, by Henry P. Baily, was killed at Golden Fleece, Essequibo Coast, British Guiana, about April 5, 1936.



- 34-337361, banded at Lower Wedgeport, Nova Scotia, on June 30, 1934, by Israel J. Pothier, was found dead at Chavon River near La Romana, Dominican Republic, about October 10, 1934.
- 34-346504, banded at Tern Island, Chatham, Massachusetts, on June 8, 1935, by Dr. Oliver L. Austin, was found dead at Belem, Brazil, South America, on March 3, 1936.
- 34-374589, banded at Yarmouth County, Nova Scotia, on July 13, 1935, by Israel J. Pothier, was captured at Port-of-Spain, Trinidad, British West Indies, on April 6, 1936.
- 35-302133, banded at Billingsgate Island, Massachusetts, on June 25, 1935, by Dr. Oliver L. Austin, was killed at Golden Fleece, Essequibo Coast, British Guiana, about April 5, 1936.
- 35-306826, banded at Tern Island, Chatham, Massachusetts, on June 29, 1935, by Dr. Oliver L. Austin, was captured and released at Port-of-Spain, Trinidad, British West Indies, on April 23, 1936.
- 35-308333, banded at Tern Island, Chatham, Massachusetts, on July 1, 1935, by Dr. Oliver L. Austin, was captured and released at Port-of-Spain, Trinidad, British West Indies, on April 23, 1936.

ROSEATE TERN. *Sterna dougalli*

- A332394, banded at Penikese Island, Massachusetts, on July 4, 1933, by L. B. Fletcher, was found dead at Guayanilla, Puerto Rico, on September 9, 1933.
- B304623, banded at Tern Island, Chatham, Massachusetts, on June 22, 1932, by O. L. Austin, Jr., was found dead 25 miles west of San Juan, Porto Rico, September 13, 1932.
- 34-304635, banded at Weepeket Island, Gosnold, Massachusetts, on July 6, 1934, by Ethel M. and Sears Crowell; captured alive at "Corozo," Cabo Rojo, Puerto Rico, about September 10, 1934.
- B321889, banded at Tern Island, Chatham, Massachusetts, on July 2, 1931, by Dr. Oliver L. Austin, captured alive at "Corozo," Cabo Rojo, Puerto Rico, about September 10, 1934.  
Three, banded during the period of June 24-July 1, 1934, were recaptured at the same time and place as the above.
- B321899, banded at Tern Island, Chatham, Massachusetts, on July 2, 1931, by Dr. Oliver L. Austin, was killed at Boca Chica, Santo Domingo, Dominican Republic, on August 17, 1933.
- B397832, banded at Tern Island, Chatham, Massachusetts, on June 24, 1934, by Dr. Oliver L. Austin, was found sick at Buxton, east coast of Demerara, British Guiana, on June 3, 1935.

LEAST TERN. *Sterna antillarum*

- 35-117667, banded at Davis Causeway, Tampa Bay, Florida, on June 1, 1935, by George D. Robinson, was captured at Greenfield, British Guiana, on January 27, 1936.

ROYAL TERN. *Thalasseus maximus*

- A508887, banded at Egg Bank, Beaufort County, South Carolina, on July 10, 1930, by E. Milby Burton, was killed at Santa Cruz del Sur, Cuba, about March 12, 1934.
- ✓ A525593, banded at Bird Island, Galveston County, Texas, on June 19, 1932, by Alston Clapp, Sr., was killed at La Barra de la Coyuca, Guerrero, Mexico, on September 22, 1933.
- A531082, banded at Cape Romain, Charleston County, South Carolina, on July 18, 1931, by E. Milby Burton, was found exhausted and died at latitude 28.23, longitude 90.26, west part of the Gulf of Mexico, on board ship, on June 16, 1934.

- A531430, banded at Cape Romain, Charleston County, South Carolina, on July 18, 1931, by E. Milby Burton, was killed at Caibarién, Cuba, about December 1, 1933.
- A542459, banded at Cape Romain, Charleston County, South Carolina, on July 11, 1933, by E. Milby Burton, was caught in a fish net at Montego Bay, Jamaica, British West Indies, on June 22, 1934.
- A542493, banded at Cape Romain, Charleston County, South Carolina, on July 11, 1933, by E. Milby Burton, was found dead at San Nicolas, Provincia de la Habana, Cuba, about August 20, 1935.
- A578141, banded at Cape Romain, Charleston County, South Carolina, on July 11, 1933, by E. Milby Burton, was killed at Turbo, Gulf of Urabá, Department of Antioquia, Colombia, South America, on October 3, 1934.
- A578271, banded at Cape Romain, Charleston County, South Carolina, on July 11, 1933, by E. Milby Burton, was shot at Aux Cayes, Haiti, on April 24, 1935.
- 34-524703, banded at Charleston County, South Carolina, on July 24, 1935, by E. Milby Burton, was found dead at Corozal, British Honduras, on April 1, 1936.
- 34-524859, banded at De Veaux's Bank, Charleston County, South Carolina, on July 24, 1935, by E. Milby Burton, was found dead at Río Yaque del Norte, near Monte Cristi, Dominican Republic, on April 19, 1936.

CASPIAN TERN. *Hydroprogne caspia imperator*

- A565352, banded at Gull Island, Georgian Bay, 33 miles east of Little Current, Ontario, on July 9, 1933, by William I. Lyon, was shot at Barranquilla, Colombia, South America, on May 31, 1934.
- B608770, banded at Shoe Island, Michigan, on July 18, 1931, by William I. Lyon, was shot at Belize, British Honduras, Central America, on November 28, 1935.
- 34-415908, banded at Shoe Island, Lake Michigan, on July 2, 1935, by F. E. Ludwig, was wounded at Barranquilla, Colombia, South America, about April 1, 1936.

The Biological Survey will be glad to have opinions from banders and other students of birds as to the usefulness of this series of papers. Suggestions for improvements also will be welcomed, as well as recommendations for the treatment of any particular groups in which there is special interest.

Biological Survey, Washington, D. C.