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RETURNS FROM BANDED BIRDS: RECOVERIES OF SOME BANDED BIRDS OF PREY

By MAY THACHER COOKE

THE first paper in this series (Lincoln, Frederick C., Recoveries of Banded Birds of Prey, vol. 8, 1936, p. 38-45) dealt with hawks and owls. Since then the number of these birds banded has nearly trebled with a comparable increase in the number of interesting returns. Considering also the present interest in this group, another paper about it seems justified.

The banding of large birds, especially hawks and owls is quite a different matter from the handling of small birds. Several co-operators have rather specialized in this phase of the work, and each has worked out his own technique. For several years, Richard H. Pough of the National Audubon Society has taken a great interest in this work and co-operators under his supervision have banded more than a thousand birds, the returns from which have provided many valuable data.

Birds of prey have popularly been considered long-lived birds and have often proved so—in zoos. However, few of our banded birds have survived more than a year or two and the records here presented give ample evidence of the indiscriminate war against hawks and owls in recent years. How indiscriminate this is can be further shown by a few figures. Excluding the vultures, about eleven percent of the hawks and owls banded have been of the species classed as harmful. But the recoveries for the beneficial

kinds are only about one percent less than for the harmful ones, showing that numerically many more of the birds killed are of the beneficial species. It is probably a safe estimate that nine-tenths of the recoveries represent birds killed.

These records also present a picture of the migrations and wanderings of these birds. A study of them will reveal several instances of birds that have made surprising journeys and in unexpected directions from the place of banding. It should be noted that these strange wanderings were done by birds of the year. Banding records are indicating that the post-juvenile wanderings of young birds is not confined to the herons among which the habit has long been well known, but may be fairly general among many of the non-passerine species.

As in previous papers, an asterisk preceding the number indicates that the bird was known to be a bird of the year when banded.

TURKEY VULTURE. *Cathartes aura septentrionalis*

- *4925, banded at Vicksburg, Mich., on June 23, 1935, by F. W. Rapp, was probably killed at Boston, Ga., in January, 1936.
- A727991, banded at Hampton, Va., on October 27, 1934, by Victor Coles, was found crippled near Lee Hall, Va., in April, 1938.
- 34-703613, banded at Hampton, Va., on December 15, 1934, by Victor Coles, was found dead near Feagaville, Md., July 19, 1938.
- 34-703730, banded at Hampton, Va., February 5, 1935, by Victor Coles, was killed in a steel trap at Klingerstown, Pa., about February 8, 1936.
- *34-705181, banded at Hampton, Va., on April 24, 1935, by Victor Coles, was found dead at Fort Bragg Military Reservation, N. C., December, 3, 1935.
- *34-706502, banded at Hampton, Va., on April 25, 1935, by Victor Coles, was killed in a steel trap at La Grange, N. C., about January 4, 1937.
- *34-706529, banded at Hampton, Va., April 27, 1935, by Victor Coles, was captured at Conway, S. C., about February 5, 1937.
- 34-706759, banded at Sugar Grove, Ohio, on May 19, 1937, by Victor Coles, was captured at Sneedville, Tenn., November 11, 1938.

BLACK VULTURE. *Coragyps atratus*

- 34-705024, banded at Hampton, Va., on April 2, 1935, by Victor Coles, was found dead at Raleigh, N. C., March 30, 1936.
- 34-705193, banded at Hampton, Va., on April 25, 1935, by Victor Coles, was killed about five miles from Littleton, N. C., June 1, 1936.
- 34-645130, banded at Avery Island, La., on April 11, 1936, by E. A. McIlhenny, was captured near Columbus, Tex., July 8, 1937.
- 34-645211, banded at Avery Island, La., on April 11, 1936, by E. A. McIlhenny, was shot in Orange Co., Tex., in October, 1936.
- 34-653935, banded at Avery Island, La., on October 19, 1935, by E. A. McIlhenny, was shot six miles northwest of Sherman, Tex., April 16, 1937.
- 34-706535, banded at Hampton, Va., on April 28, 1935, by Victor Coles, was probably found dead at Barhamsville, Va., about February 7, 1938.
- 36-801869, banded at Avery Island, La., on November 16, 1935, by E. A. McIlhenny, was found dead in Hardin County, Tex., August 14, 1937.
- 36-811836, banded at Avery Island, La., on November 21, 1936, by E. A. McIlhenny, was caught in a chicken house at Hobson, Ala., May 14, 1938.
- 36-811838, banded at Avery Island, La., on November 21, 1936, by E. A. McIlhenny, found with an injured wing at Chatom, Ala., May 13, 1938.

- 36-811878, banded at Avery Island, La., on November 21, 1936, by E. A. McIlhenny, was captured near Columbus, Tex., about July 16, 1937.
 36-811978, banded at Avery Island, La., on November 29, 1936, by E. A. McIlhenny, was found dead near Liberty, Tex., January 6, 1937.
 36-812082, banded at Avery Island, La., on January 30, 1937, by E. A. McIlhenny, was found dead at Baldwin, La., on March 2, 1938.
 36-812382, banded at Avery Island, La., on February 6, 1936, by E. A. McIlhenny, was shot fifteen miles south of Welsh, La., on September 10, 1937.
 38-801473, banded at Avery Island, La., on November 6, 1937, by E. A. McIlhenny, was found ill near Jackson, Miss., May 3, 1938.
 38-801946, banded at Avery Island, La., on November 15, 1937, by E. A. McIlhenny, was caught at White Castle, La., about December 11, 1937.

GOSHAWK. *Astur atricapillus*

- *38-640473, banded at Pole Mountain, Albany County, Wyo., on June 23, 1938, by A. B. Mickey, was found killing chickens and shot at Gulnare, Las Animas County, Colo., October 29, 1938.

SHARP-SHINNED HAWK. *Accipiter velox*

- *A428009, banded at Leetonia, Ohio, on July 9, 1933, by Paul A. Stewart, was killed at Guyandotte, W. Va., October 20, 1933.
 *A428011, banded at Leetonia, Ohio, on July 9, 1933, by Paul A. Stewart, was killed at Murfreesboro, Tenn., December 9, 1933.
 *A409757, banded at Glenevis, Alta., on July 19, 1936, by Fred H. Pegg, was found dead near Thatcher, Ariz., January 26, 1937.
 A546857, banded at Key West, Fla., on December 3, 1935, by W. W. Demeritt, was killed at Keyport, N. J., May 25, 1936.

COOPER'S HAWK. *Accipiter cooperi*

- *386664, banded at Chester, Mass., on July 2, 1928, by Harry E. Woods, was killed at Taylor's Island, Md., October 28, 1930.
 *599855, banded at Toledo, Ohio, on June 30, 1929, by Louis W. Campbell, was probably killed near Gainesboro, Tenn., December 1, 1929.
 *A562142, banded at Pinckney, Mich., on July 8, 1933, by Paul F. Hickie, was found dead at Springfield, Ky., December 15, 1933.
 *A573005, banded at Charleswood, Man., on July 8, 1933, by Joseph P. Kennedy, was shot at Colonia Agricola de Sumapaz, Colombia, South America, February 1, 1938.
 *A573118, banded at Winnipeg, Man., on July 8, 1935, by Joseph P. Kennedy, was killed at Avoca, Tex., September 23, 1935.
 35-402408, banded at Chester, Mass., on June 20, 1935, by Albert A. Cross, was captured, probably released, at Oxford, Pa., September 24, 1935.
 *38-646478, banded at Orlando Park, Ill., on June 20, 1938, by K. E. Bartel, was shot at Cherokee, Ala., November 16, 1938.

RED-TAILED HAWK. *Buteo borealis*

- *302126, banded at Jackson, Wyo., on June 22, 1931, by O. J. Murie, was found wounded at Coalcoman, Michoacan, Mexico, January 11, 1932.
 420282, banded at Fairdale, N. Dak., on April 14, 1931, by Frank J. Vejtasa, was killed near Victoria, Tex., about July 1, 1935.
 *661177, banded at Muscow, Sask., on June 30, 1929, by John R. Carter, was caught in trap at Baldwin, Ark., January 17, 1934.
 A678402, banded at Camrose, Alta., on April 30, 1932, by F. L. Farley, was shot at Spalding, Nebr., November 29, 1932.
 *A715051, banded at Hepburn, Sask., on August 3, 1933, by Philip Siemens, was killed at Hugo, Okla., December 28, 1933.
 *A724818, banded at Lamont, Alta., on July 13, 1937, by T. E. Randall, was caught in trap at Tyler, Tex., September 1, 1937.

- *34-624218, banded at Rosebud, Alta., on June 30, 1936, by W. R. Salt, was killed at Jourdanton, Tex., February 3, 1937.
34-652242, banded at Stockton, Kans., on October 14, 1935, by R. H. Imler, was caught at Carbon, Tex., January 30, 1937.
*34-652748, banded at Midwest, Wyo., on June 16, 1938, by N. Young, was shot at Paducah, Tex., January 3, 1939.
*34-705713, banded near Rosebud, Alta., on July 4, 1936, by W. R. Salt, was found in Waco, Tex., January 13, 1938.
*34-705714, banded at Rosebud, Alta., on July 4, 1936, by W. R. Salt, was shot in Roscoe, Nebr., September 28, 1936.
*34-702382, banded at Madison, Wis., on June 20, 1936, by George Wagner, was killed near McComb, Miss., November 24, 1936.
*36-631246, banded at Waubay National Wildlife Refuge, S. Dak., on July 19, 1937, by W. E. Beed, was probably shot in Cameron Parish, La., January 20, 1938.
*36-713807, banded at Clinton, Iowa, on May 24, 1936, by M. L. Miles, was probably found dead at Hedrick, Ind., December 3, 1936.
*36-714651, banded in Whitman County, Wash., on May 14, 1936, by L. H. Smith, was shot near Springville, Utah, November 8, 1936.
*36-714742, banded at Park River, N. Dak., on June 21, 1936, by A. C. Fox, was killed near Baton Rouge, La., December 7, 1937.
36-715549, banded near Cedar Grove, Wis., on October 7, 1937, by O. J. Gromme, was shot at Baton Rouge, La., January 20, 1938.
36-715550, banded near Cedar Grove, Wis., on October 7, 1937, by O. J. Gromme, was shot near Calhoun, Ala., February 28, 1938.
36-720569, banded at Stockton, Kans., on November 24, 1936, by R. H. Imler, was killed at Lacombe, Alta., December 7, 1937.
*37-709857, banded at Seneca, Md., on May 6, 1937, by R. F. McDermott, was killed at Mascoutah, Ill., August 30, 1937.
37-712712, banded at Escanaba, Mich., on October 13, 1937, by W. S. Feeney, was shot at Lafayette, La., December 8, 1937.
*38-713310, banded at Sublett Ranger Station, Power County, Idaho, on June 9, 1939, by C. H. McDonald, was killed near Brush, Colo., September 17, 1939.
39-723991, banded at Jackson, Wyoming, on June 4, 1939, by O. J. Murie, was shot at Torreón, Coahuila, Mexico, January 21, 1940.

RED-SHOULDERED HAWK. *Buteo lineatus*

- 210564, banded at Demarest, N. J., May 5, 1926, by B. S. Bowdish, was caught in trap and killed at Asheboro, N. C., January 18, 1927.
559750, banded at Chester, Mass., on May 31, 1936, by H. E. Woods, was caught at Pilot Mountain, N. C., March 2, 1937.
*559800, banded near Amherst, Mass., on May 28, 1933, by H. E. Woods, was caught and released at Boonton, N. J., January 20, 1934.
*660552, banded at Huntington, Mass., on June 14, 1931, by A. A. Cross, was killed at Freeman, N. C., January 4, 1934.
*660553, banded at Huntington, Mass., on June 14, 1931, by A. A. Cross, was killed at Oak Hill, Ala., December 27, 1936.
*C616793, banded at Leverett, Mass., on June 11, 1935, by S. A. Eliot, Jr., was shot at Roberta, Ga., October 28, 1935.
*34-656951, banded at Waukesha, Wis., on June 5, 1935, by Robert Adams, was found dead at Swifton, Ark., October 30, 1935.
34-661450, banded at Nashville, Tenn., on January 14, 1937, by Mrs. F. C. Laskey, was caught at Lansing, Mich., March 20, 1938.
*35-510269, banded at Chester, Mass., on May 30, 1937, by A. A. Cross, was probably killed at Lewes, Del., December 25, 1937.

BROAD-WINGED HAWK. *Buteo platypterus*

- *560363, banded at North Eastham, Mass., on July 15, 1929, by O. L. Austin, was shot at Berlin, Md., December 11, 1929.
- *35-514820, banded at Laverock, Pa., on June 28, 1936, by J. A. Gillespie, was shot at Altavista, Va., September 15, 1936.
- *35-526256, banded at Glenevis, Alta., on July 22, 1936, by Fred H. Pegg, was shot one mile from Cabool, Mo., on October 6, 1936.
- *37-514931, banded near Minneapolis, Minn., on July 18, 1937, by Bob Upson, was shot near Savanna, Ill., September 11, 1937.
- *38-644794, banded at South Harrison, Maine, on July 5, 1938, by Peregrine Club members, was found at Rio Hato, Republic of Panama, December, 1938.

SWAINSON'S HAWK. *Buteo swainsoni*

- *B646421, banded at Rosebud, Alta., on July 15, 1934, by W. R. Salt, was probably shot at Chillicothe, Tex., about October 20, 1934.
- *C632947, banded at Dollard, Sask., on August 4, 1935, by C. F. Holmes, was shot at Tholny, Mont., August 4, 1937.
- 36-607606, banded at Stockton, Kans., on October 2, 1936, by R. H. Imler, was shot at Hussar, Alta., August 18, 1937.
- 36-714405, banded at New England, N. Dak., on August 11, 1938, by A. C. Fox, was shot in Thayer County, Nebr., October 17, 1938.

AMERICAN ROUGH-LEGGED HAWK. *Buteo lagopus s.-johannis*

- 324943, banded at Kamouraska, Que., on May 5, 1931, by Willie La Brie, was shot at Kempton, Ill., November 11, 1931.
- *724892, banded at Rosebud, Alta., on June 29, 1936, by W. R. Salt, was found dead near Yoder, Wyo., October 6, 1936.
- C617961, banded at Ellinwood, Kans., on November 5, 1935, by F. W. Robl, was killed at Newark, Tex., March 15, 1936.
- 36-704759, banded at Stockton, Kans., on December 16, 1935, by R. H. Imler, was shot at Langdon, N. Dak., May 17, 1937.
- 36-704765, banded at Stockton, Kans., on January 15, 1936, by R. R. Imler, was trapped and released one-half mile away on December 11, 1936.
- *36-802161, banded at Beynon, Alta., on July 2, 1936, by W. R. Salt, was shot near North Platte, Nebr., October 21, 1936.
- 37-709470, banded at Stockton, Kans., on December 1, 1937, by V. H. Maddy, was shot at Grand Island, Nebr., January 27, 1938.

FERRUGINOUS ROUGH-LEG. *Buteo regalis*

- *A717513, banded at Beynon, Alta., on June 16, 1934, by W. R. Salt, was found, probably dead, in Beaver County, Okla., February 14, 1939.
- *A724897, banded at Beynon, Alta., on July 2, 1936, by W. R. Salt, was found, probably dead, at Holyoke, Colo., about January 7, 1937.
- *34-705721, banded at Beynon, Alta., on June 25, 1938, by W. R. Salt, was shot 12 miles S. W. of Shamrock, Tex., October 30, 1938.
- 36-704762, banded at Stockton, Kans., on January 3, 1936, by R. H. Imler, was shot at Bengough, Sask., June 14, 1938.
- 39-721030, banded at Battle Creek, Mont., on June 8, 1939, by Bill Musgrove, was shot at Pittville, Calif., November 27, 1939.

GOLDEN EAGLE. *Aquila chrysaetos*

- 202902, banded at Laguna Beach, Calif., on May 8, 1927, by Wright M. Pierce, was killed at El Descanso, Baja California, Mexico, October 10, 1937.
- 36-802822, banded at Nashville, Tenn., on February 26, 1936, and released in Great Smoky Mts. National Park, by Mrs. F. C. Laskey, was killed at Headwaters, Va., March 10, 1938.
- *36-806906, banded near Valley Center, Calif., on June 18, 1938, by Ralph E. Dixon, was found dead at El Triunfo, Baja California, Mexico, November 21, 1938.

BALD EAGLE. *Haliaeetus leucocephalus*

- *233467, banded near Sebastian, Fla., on January 28, 1931, by I. H. Johnston, was found wounded and was killed 6 miles north of Langley Field, Va., August 7, 1931.
- A717552, banded at Kittery Point, Maine, on November 5, 1934, by Horace Mitchell, was shot at Richelieu Village, Que., October 22, 1935.
- *A730945, banded at Bombay Hook National Wildlife Refuge, Del., by H. Buckalew, May 20, 1938, was found exhausted, cared for and probably released at Chatham, Mass., August 25, 1938.
- *34-701292, banded at Back River Neck, 15 miles east of Baltimore, Md., on June 23, 1936, by W. Bryant Tyrrell, was shot at Laurel, Md., October 20, 1937.
- 34-703340, banded at Shiloh, Fla., on January 27, 1935, by J. C. Howell, was found dead at Canonsburg, Pa., about June 17, 1935.
- *36-809405, banded at Seaville, N. J., on April 4, 1937, by J. A. Gillespie, was shot at Berlin, Md., January 19, 1939.
- *36-810392, banded at Marco Island, Fla., on February 1, 1938, by E. J. Reimann, was shot at Princess Anne, Va., January 10, 1939.
- *38-805536, banded at Indian Rocks, Fla., on February 6, 1940, by C. L. Broley, was captured at Lake Etchemin near St. Germaine, Dorchester Co., Quebec, May 6, 1940, and died in captivity August 15, 1940.

MARSH HAWK. *Circus hudsonius*

- ABBA 35532, banded in Anoka County, Minn., on July 12, 1932, by W. J. Breckenridge, was killed September 15, 1936 at Blanco, Tex.
- 225053, banded at Montrose, Colo., on June 28, 1929, by A. R. McCrimmon, was killed at Needville, Tex., October 22, 1929.
- 367355, banded at Kamouraska, Que., on April 3, 1930, by Willie La Brie, was shot at Greensboro, N. C., November 7, 1930.
- *368471, banded at Muscow, Sask., on June 23, 1929, by R. H. Carter, was shot at Kenedy, Tex., December 6, 1929.
- *542955, banded at St. Martins, Que., on July 7, 1935, by W. J. Low, was shot at Murray River, Prince Edward Island, July 13, 1937.
- *542961, banded at St. Dorothea, Que., on July 11, 1937, by W. J. Low, was found dead at Mt. Joy, Pa., November 18, 1937.
- *656130, banded at Dayton, Ohio, on June 15, 1930, by Louis B. Kalter, was killed at Braggadocio, Mo., November 22, 1930.
- 656822, banded at Antwerp, Ohio, on July 6, 1930, by O. E. Ehrhart, was killed at Union Church, Miss., December 12, 1930.
- A525752, banded near Zior, Ill., on July 10, 1932, by C. E. Holcombe, was killed at Port Lavaca, Tex., December 31, 1932.
- *A533575, banded at Battle Creek, Mich., on July 29, 1938, by Miles D. Pirnie, was killed at Farmerville, La., September 19, 1938.
- *A568784, banded at Hyas, Sask., on July 1, 1934, by Wm. L. Wotherspoon, was killed 13 miles east of Temple, Tex., November 15, 1934.
- *A626621, banded at Madison, Wis., June 13, 1930, by George Wagner, was killed at Downs, Kans., August 21, 1930.
- *A626650, banded at Garden Prairie, Ill., on July 10, 1930, by D. J. Johnson, was probably killed at Port Tampa, Fla., October 13, 1930.
- *A685631, banded at Regina, Sask., on June 29, 1934, by Fred G. Bard, was killed at Nile, Wash., August 26, 1934.
- A695953, banded in Wood County, Wis., on July 18, 1934, by F. J. W. Schmidt, was shot at Lindsay, Nebr., September 30, 1934.
- *A721713, banded at Ruthven, Iowa, on September 13, 1934, by Paul Errington, was shot 25 miles southwest of Bay Minette, Ala., October 21, 1934.
- *B621404, banded at Toledo, Ohio, on June 22, 1932, by L. W. Campbell, was caught in trap 15 miles southwest of Bay City, Texas, January 8, 1935.

- *34-519180, banded at Hyas, Sask, on April 25, 1936, by W. L. Wotherspoon, was shot at Davie, Fla., February 6, 1937.
- *35-404612, banded at Crescent Lake National Wildlife Refuge, Nebr., on June 11, 1938, by R. H. Imler, was shot at Cushing, Okla., September 6, 1938.
- *36-512212, banded at Cedar Grove, Wis., on April 29, 1938, by O. J. Gromme, was shot at Davenport, Fla., January 23, 1939.
- 36-512230, banded at Cedar Grove, Wis., on April 28, 1938, by O. J. Gromme, was shot at Arcola, Miss., November 27, 1938.
- 36-525025, banded at Medicine Lake, National Wildlife Refuge, Mont., on September 2, 1938, by P. T. Kreager, was shot near Tulsa, Okla., November 16, 1938.
- 36-527259, banded at Cape May Point, N. J., on November 5, 1936, by James T. Tanner, was killed in Currituck County, N. C., about December 16, 1936.
- *36-637919, banded at Park River, N. Dak., on July 24, 1936, by A. C. Fox, was shot at Lockwood, Mo., October 28, 1936.
- *36-670459, banded at Lower Souris National Wildlife Refuge, Upham, N. Dak., on June 21, 1937, by C. J. Henry, was shot near Everman, Tex., September 11, 1937.
- *36-670515, banded in McHenry County, N. Dak., on July 5, 1937, by C. J. Henry, was killed at Tangancicuaro, Michoacan, Mexico, March 9, 1938.
- 36-670519, banded at Lower Souris National Wildlife Refuge, Upham, N. Dak., on July 5, 1937, by C. J. Henry, was shot at Ranger, Tex., November 26, 1937.
- *36-670823, banded at Lower Souris National Wildlife Refuge, Upham, N. Dak., on July 10, 1938, by C. J. Henry, was shot at Edgewood, B. C., September, 1938.
- *37-509701, banded at Minneapolis, Minn., on June 25, 1937, by Bob Upson, was killed at Jamaicatown, Habana, Cuba, January 26, 1938.
- *37-514923, banded at Winamac, Ind., on June 23, 1937, by W. S. Feeney, was shot at Powhatan, La., November 24, 1937.
- 38-601728, banded at Redfield, S. Dak., on June 23, 1938, by F. Curtis, was shot 35 miles southeast of Lake Charles, La., December 13, 1938.
- 38-711501, banded near Portal, N. Dak., on June 26, 1938, by Thomas Tate, was killed at Pahuirachic, Guerrero, Chihuahua, Mexico, January 23, 1939.

OSPREY: *Pandion haliaetus carolinensis*

- 422611, banded at Orient, L. I., N. Y., on June 30, 1928, by LeRoy Wilcox, was shot on board a steamer 60 miles east of Cape Hatteras, N. C., September 20, 1928.
- *A700307, banded at Avalon, N. J., on August 10, 1929, by C. Brooke Worth, was killed at Brandywine, W. Va., September, 1929.
- *A700460, banded at Orient, L. I., N. Y., on June 20, 1936, by Le Roy Wilcox, was found dead at Banco da Victoria, 7 miles west of Ilheos, Brazil, August 12, 1937.
- A712849, banded at Slaughter Beach, Del., on May 15, 1931, by H. Buckalew, was killed at Central Almeida, Ortega, Cuba, November, 1939.
- *A719088, banded at Cedar Beach, Del., on July 1, 1934, by Herbert Buckalew, was killed at Shellman Bluff, McIntosh County, Ga., October 8, 1934.
- *A721003, banded at Avalon, N. J., on August 5, 1932, by C. Brooke Worth, was shot at McIntyre, Fla., October 1, 1932.
- *A727056, banded at Orient, L. I., N. Y., on July 23, 1933, by Mrs. Marie V. Beals, was shot on the mast of a ship 73 miles off Cape Hatteras, N. C., October 9, 1933.
- *A727057, banded at Orient, L. I., N. Y., on July 23, 1933, by Mrs. Marie V. Beals, was found wounded at Edgartown, Mass., May 29, 1935.
- *A728404, banded at North Cape May, N. J., on July 27, 1933, by C. Brooke Worth, was killed at Andrews, N. C., September 13, 1933.

- *34-701235, banded at Smith's Point, Va., on June 23, 1934, by W. Bryant Tirrell, was probably found dead at Thomasville, N. C., about April 16, 1936.
- *34-708159, banded at Gardiners Island, N. Y., on July 18, 1940, by Le Roy Wilcox, was found dead at Tilton, N. H., August 23, 1940.
- *36-807059, banded at Jordan's Delight, Maine, on August 6, 1938, by G. H. Parks, was found dead at Grassy Point, on Hudson River, near Garnerville, N. Y., October 24, 1938.
- *36-807801, banded in Cape May County, N. J., on July 16, 1939, by J. A. Gillespie, was taken at Lagunillas, Venezuela, S. A., about December 14, 1939.
- *36-809436, banded at Avalon, N. J., on July 5, 1937, by J. A. Gillespie, was shot at sea, Lat., 31°, Long., 79°, off the coast of Georgia, September 20, 1937.
- *36-809468, banded in Cape May County, N. J., on July 12, 1937, by J. A. Gillespie, was shot at Cuyagua, Aragua, Venezuela, January 24, 1938.
- *36-809499, banded in Cape May County, N. J., by J. A. Gillespie, on August 14, 1937, was captured 23 miles north of Crystal River, Fla., September 28, 1937.
- *38-804157, banded in Cape May County, N. J., July, 1938, by J. A. Gillespie, was killed in Juana Diaz, P. R., October 17, 1938.
- *38-808244, banded in Cape May County, N. J., July 16, 1939, by J. A. Gillespie, was probably shot at Rio de Janeiro, Brazil, December 16, 1939.

PRAIRIE FALCON. *Falco mexicanus*

- *A557904, banded at Carmangay, Alta., on June 4, 1933, by Dr. and Mrs. J. E. Horning, was caught in muskrat trap at Moscow, Kans., January 17, 1936.
- *B671641, banded at Jackson, Wyo., on June 28, 1932, by O. J. Murie, was killed near Morris, Ill., January 26, 1933.
- *34-624212, banded at Rosebud, Alta., on July 2, 1936, by W. R. Salt, was shot at Tagus, N. Dak., September, 1936.
- *34-624220, banded at Rosebud, Alta., on July 2, 1936, by W. R. Salt, was trapped 50 miles northeast of Calgary, Alta., January, 1939.
- *34-647047, banded at Mt. Dome, Siskiyou County, Calif., on June 6, 1937, by E. C. Aldrich, was shot at Hudson, Colo., about February 23, 1938.
- *34-647049, banded at Mt. Dome, Siskiyou County, Calif., on June 6, 1937, by E. C. Aldrich, was found dead at Swift Current, Sask., about October 16, 1937.
- *34-647052, banded at Mt. Dome, Siskiyou County, Calif., on June 6, 1937, by E. C. Aldrich, was shot at Horizon, Sask., about August 26, 1937.
- *34-647053, banded at Mt. Dome, Siskiyou County, Calif., on June 6, 1937, by E. C. Aldrich, was killed near Woodland, Calif., February 10, 1938.
- 36-704756, banded at Stockton, Kans., on December 11, 1935, by R. H. Imler, was retrapped one-fourth mile away from original banding location on November 6, 1936.
- *39-645638, banded at Jackson, Wyo., on June 10, 1939, by O. J. Murie, was killed by automobile at Carrollton, Mo., February 4, 1940.
- *39-645641, banded at Jackson, Wyo., on June 26, 1939, by O. J. Murie, was shot four miles northwest of Ellendale, N. Dak., October 11, 1939.

DUCK HAWK. *Falco peregrinus*

- *34-646470, banded at Russell, Mass., on May 21, 1938, by J. A. Hagar, was shot at East Berlin, Pa., December 30, 1938.
- 36-682956, banded at Key West, Fla., on November 1, 1939, by W. W. Demeritt, was shot at Habana, Cuba, about December 8, 1939.
- *36-711653, banded at Mt. Tekoa, Woronoco, Mass., on May 23, 1936, by J. A. Hagar, was poisoned at Cobourg, Ontario, Canada, about September 30, 1936.
- *36-711663, banded at Prescott, Mass., on June 9, 1936, by J. A. Hagar, was killed at Messick, Va., February 18, 1937.

- 36-733287, banded at Lower Souris Refuge, Upham, N. Dak., by C. J. Henry, was retrapped at Cedar Grove, Wis., September 18, 1937, by O. J. Gromme.
 *37-626431, banded at Stockbridge, Vt., on June 9, 1937, by C. O. Proctor, was found injured at Oakley Depot, S. C., January 28, 1938.

PIGEON HAWK. *Falco columbarius*

- *38-539109, banded at Lake Saganaga, Minn., on July 11, 1939, by James Struthers, was killed 28 miles from Houma, La., October 29, 1939.

SPARROW HAWK. *Falco sparverius*

- *279949, banded at Huntington, Mass., on June 21, 1926, by A. A. Cross, was found dead at Newport News, Va., December 16, 1926.
 *279950, banded at Huntington, Mass., on June 21, 1926, by A. A. Cross, was caught in trap at E. Newmarket, Md., March 19, 1927.
 *528797, banded at Manchester, N. H., on June 14, 1938, by E. Goellner, was shot at Salisbury, Md., October 14, 1938.
 *529723, banded at Plymouth, Mass., on June 2, 1928, by C. L. Hauthaway, was killed in crow trap at Freeport, Maine, about August 5, 1928.
 *A443938, banded at Norristown, Pa., on June 11, 1932, by R. J. Middleton, was killed at Augusta, Ga., November 17, 1932.
 *A462147, banded at Rosebud, Alta., on July 7, 1934, by W. R. Salt, was trapped at Crowfoot, Alta., April 26, 1938.
 34-356903, banded at Bashaw, Alta., on June 15, 1935, by G. L. Cook, was killed at Abilene, Texas, October 10, 1938.
 35-312052, banded at Saskatoon, Sask., on July 12, 1935, by W. M. Mowat, was shot at Flatonia, Texas, about February 5, 1936.
 37-404413, banded at Tumacacori National Monument, Coolidge, Ariz., on July 6, 1938, by Louis R. Caywood, was shot at Imuris, Sonora, Mexico, on Bambuto River, February 13, 1939.
 *38-321808, banded at Camden, N. J., on May 20, 1938, by L. R. Corn, was found, probably dead, at Bailey, N. C., March 1, 1939.

BARN OWL. *Tyto alba pratincola*

- 226386, banded at Vermillion, S. Dak., on May 23, 1934, by W. H. Over, was found dead 25 miles northwest of Lincoln, Nebr., about March 30, 1937.
 *227998, banded at Buckeye Lake, Ohio, on July 7, 1928, by E. S. Thomas, was killed at Springfield, Ky., April 6, 1930.
 *231886, banded near Knoxville, Tenn., on March 15, 1929, by H. P. Ijams, was shot at Eton, Ga., November 30, 1929.
 *232155, banded at Horsham, Pa., on June 25, 1929, by Mrs. Florence C. Griscom, was rescued from a water tank on top of which it had a nest, at Rossville, Staten Island, N. Y., May 2, 1930.
 *421542, banded at Buena Park, Calif., on May 4, 1927, by J. M. Robertson, was caught in rat trap at Gardena, Calif., February 28, 1930.
 *655268, banded at Escondido, Calif., on April 10, 1931, by Fred N. Gallup, was shot at Orange, Calif., July 5, 1935.
 *A719311, banded at Leetonia, Ohio, on June 7, 1936, by Paul A. Stewart, was caught in steel trap at Jamestown, N. Y., November 26, 1936.
 B600771, banded at Chino, Calif., on November 22, 1930, by H. F. Koerber, was found at Riverside, Calif., May 2, 1939.
 *B621422, banded at Toledo, Ohio, on May 23, 1936, by Louis W. Campbell, was killed at Bunkie, La., February 3, 1937.
 *B621423, banded at Toledo, Ohio, on June 17, 1932, by Louis W. Campbell, was probably found dead in Lawrence County, Pa., February 14, 1933.
 *34-625532, banded at Escondido, Calif., on April 24, 1935, by Fred N. Gallup, was caught in rabbit trap at Tijuana, Baja California, Mexico, July 4, 1936.
 *B664413, banded at Leetonia, Ohio, on May 26, 1935, by P. A. Stewart, was captured at Sandy Ridge, N. C., October 5, 1939.

- *B674205, banded at Chilmark, Mass., on July 3, 1932, by Geo. D. Eustis, was found frozen at North Arlington, N. J., February 13, 1936.
*34-640905, banded at Augustine Beach, Del., on May 21, 1939, by J. A. Gillespie, was killed at Sidney, N. Y., August 25, 1939.
36-715920, banded at Blue Island, Ill., on November 27, 1938, by K. E. Bartel, was captured in a house at Shaw, Miss., December 20, 1938.
*38-644785, banded at Chilmark, Mass., on July 30, 1938, by Roger Baldwin, was caught in steel trap at Mills Island, Ontario, November 21, 1938.
*38-659912, banded at Rye, N. Y., on October 4, 1938, by Irving Kassoy, was captured at Halifax, N. C., January 28, 1939.

SCREECH OWL. *Otus asio*

- 209300, banded at Ann Arbor, Mich., on February 27, 1934, by J. Van Tyne, was retrapped at same place January 17, 1938.
309305, banded at Lakewood, Ohio, on October 20, 1930, by E. C. Hoffman, was shot at Lakewood, Ohio, June 10, 1935.
325599, banded at Fruita, Colo., on March 7, 1927, by Mrs. Anna Benson, was retrapped at same place April 1, 1928, November 30, 1932, and June 30, 1934.
534994, banded at Wayland, Mich., on May 14, 1931, by Mrs. Mack Short, was retrapped at same place March 15, 1934.
A573009, banded at Winnipeg, Manitoba, on March 30, 1934, by J. P. Kennedy, was retrapped at same nest hole April 18, 1935 and April 4, 1936.
*34-522815, banded at Clemson, S. C., on May 10, 1935, by R. E. Ware, was shot at Anderson, S. C., December 4, 1935.
37-306423, banded at San Mateo, Calif., on December 28, 1936, by Richard Santee, was captured at same place November 11, 1937, sleeping in the nest box.

GREAT HORNED OWL. *Bubo virginianus*

- *309387, banded at Branchport, N. Y., on April 24, 1933, by Verdi Burtch, was retrapped at Holcomb, N. Y., April 14, 1934.
A675691, banded at Komoka, Ontario, on September 5, 1933, by J. C. Higgins, was shot 20 miles southeast of London, Ontario, March 24, 1937.
*A709872, banded at Rosebud, Alta., on May 23, 1930, by W. R. Salt, was shot at Antelope, Mont., January 8, 1931.
A717013, banded at North Eastham, Cape Cod, Mass., on October 17, 1932, by O. L. Austin, was retaken at North Eastham, Cape Cod., Mass., December 5, 1938.
*A717502, banded at Beynon, Alta., on May 6, 1934, by W. R. Salt, was shot at Hesketh, Alta., May 20, 1937.
*A717510, banded at Rosebud, Alta., on June 12, 1934, by W. R. Salt, was shot at Rosedale, Alta., October 19, 1937.
*A717547, banded at Rosebud, Alta., on May 24, 1936, by W. R. Salt, was shot near Straw, Mont., October, 1936.
A718516, banded at Fairdale, N. Dak., on December 28, 1937, by Frank J. Vejtasa, was shot at Kilmore, Sask., December, 1938.
A730231, banded at Glenevis, Alta., on October 15, 1935, by Fred H. Pegg was found dead at Lethbridge, Alta., March 8, 1937.

SNOWY OWL. *Nyctea nyctea*

- 237343, banded at Fairdale, N. Dak., on February 2, 1931, by Frank J. Vejtasa, was shot at Moosonee, Ontario, October, 1936.
320600, banded at Fairdale, N. Dak., on March 11, 1931, by Frank J. Vejtasa, was shot 10 miles south of Wishek, N. Dak., November 27, 1931.
320679, banded at Fairdale, N. Dak., on October 20, 1931, by Frank J. Vejtasa, was shot at Wales, N. Dak., about March 1, 1934.
320681, banded at Fairdale, N. Dak., on November 15, 1931, by Frank J. Vejtasa, was found dead in trap at Crystal, N. Dak., January 7, 1933.

BURROWING OWL. *Speotyto cunicularia*

- *368148, banded at West Kildonan, Manitoba, on July 31, 1926, by A. R. Gresham, was shot at Spalding, Nebr., September 24, 1927.
- *A544987, banded at Jamestown, N. Dak., on July 9, 1933, by Glenn L. Berner, was shot 10 miles west of Wichita, Kans., October 5, 1933.
- A514900, banded at Benicia, Calif., on April 23, 1932, by E. A. Stoner, was recaptured, sitting on eggs, at same place April 23, 1933.
- A514907, banded at Benicia, Calif., on April 23, 1932, by E. A. Stoner, was recaptured, sitting on eggs, at same place April 23, 1933.
- A575106, banded at Northville, S. Dak., on June 7, 1932, by J. F. Brenckle, was shot at Yoakum, Texas, February 13, 1940.
- A575185, banded at Northville, S. Dak., on July 2, 1936, by J. F. Brenckle, was found wounded at Kenedy, Tex., November 11, 1936.
- A575189, banded at Northville, S. Dak., on July 2, 1936, by J. F. Brenckle, was caught at England, Ark., about February 15, 1937.

BARRED OWL. *Strix varia*

- A708824, banded near Glen Este, Clermont County, Ohio, on May 7, 1932, by C. J. Goetz, was found at Milford, Ohio, February 3, 1940.
- B661127, banded at Montgomery, Ala., on October 21, 1932, by C. N. Hinderer, was killed by train near Montgomery, Ala., December 17, 1938.

LONG-EARED OWL. *Asio wilsonianus*

- *A573140, banded at Winnipeg, Manitoba, on July 3, 1936, by J. P. Kennedy, was shot at Macy, Nebr., December 6, 1936.
- B661927, banded at Williamston, Mich., on April 27, 1932, by P. F. English, was caught in trap about February 15, 1936, at Gladstone, Va.
- *C629579, banded at Rosebud, Alta., on July 4, 1933, by W. R. Salt, was recovered at Monowi, Nebr., March 3, 1934.
- *37-642104, banded at Des Lacs National Wildlife Refuge, Kenmare, N. Dak., on June 16, 1938, by Seth H. Low., was recovered at Winner, S. Dak., November 28, 1938.
- *36-714117, banded at Des Lacs National Wildlife Refuge, Kenmare, N. Dak., on June 9, 1937, by Seth H. Low, was killed at Regina, Sask, August 21, 1937.

SHORT-EARED OWL. *Asio flammeus*

- *36-733801, banded at Lower Souris National Wildlife Refuge, Upham, N. Dak., on June 21, 1938, by C. J. Henry, was trapped 7½ miles southwest of Ontario, Ore., November 27, 1938. The band was sent.
- *38-637192, banded at Bombay Hook National Wildlife Refuge, Milford, Del., on May 24, 1938, by H. Buckalew, was found dead at Grand Anse, New Brunswick, September 6, 1938.
- *38-637195, banded at Bombay Hook National Wildlife Refuge, Milford, Del., on May 25, 1938, by H. Buckalew, was shot at Kemp, Ohio, November 19, 1938.

SAW-WHET OWL. *Cryptoglaux acadica*

- 37-501436, banded near San Mateo, Calif., on May 18, 1937, by Richard C. Santee, was recaptured, sitting on eggs, at same place, April 30, 1938.

U. S. Fish and Wildlife Service, Washington, D. C.