

Fig. 1, the majority of each sex was weighed during the last half of the period when the birds were, on the average, lighter in weight. This factor together with the general decline in the weight would account for much or all of the skewness from a normal distribution. The distribution of all weights including repeats is given for the males and females in charts C and D, Fig. 2 respectively.

Another probable reason for a gradual decrease in weight is that the late arrivals from the woodlands probably come in flocks late in the winter and early spring and being hungry and less timid they may be more easily trapped and hence their lower weights would further depress the trend lines.

It is probable that the distribution of 500 weights of each sex in December or January would give a good normal curve having slightly higher average weights than those obtained.

SUMMARY

The weights of 296 Evening Grosbeaks consisting of 117 males and 179 females give an average of 61.8 grams for the males and 61.0 grams for the females. The range for the males was 54.3 to 74.1 grams and from 52.6 to 73.9 grams for the females. The standard deviation of the weights for both sexes was 4.1 grams. The trend of the weekly weight averages for both males and females showed a decrease of 1.5 grams and 3.3 grams respectively over the 13 week period. The trends of the weekly weights of the heaviest males was minus 3.2 grams, the lightest males minus 1.8 grams, the heaviest females plus 2.0 grams and the lightest females minus 5.8 grams.

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RETURNS FROM BANDED BIRDS

BY MAY THACHER COOKE

This is the final paper in this series and gives a number of interesting returns of passerine birds, the majority of which have been found in checking over the returns before filing. A few, however, are older records that have come to light in the course of other studies, and which even now seemed worthy of publication.

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

CACTUS WREN (*Heleodytes brunneicapillus*)

136696, banded at Tempe, Arizona, May 18, 1942, by Mrs. J. T. Birchett, was trapped and released at same station, Jan. 10, 1945.

CATBIRD (*Dumetella carolinensis*)

38-124938, banded at Waseca, Minnesota, May 23, 1939, by Miss Constance Everett, was trapped and released at same station, June 12, 1945.

41-202455, banded at Lansing, Michigan, Sept. 24, 1943, by C. C. Ludwig, was found dead (apparently shot) in St. Tammany Parish about 2 miles from Slidell, Louisiana, Oct. 31, 1943.

BROWN THRASHER (*Toxostoma rufum*)

36-322811, banded at Lansing, Michigan, May 5, 1937, by C. C. Ludwig, was trapped and released at same station May 3, 1940, April 25, 1943, May 7, 1944 and May 2, 1945.

ROBIN (*Turdus migratorius*)

39-211035, banded at Fargo, North Dakota, May 18, 1939, by W. E. Brentzel, was trapped and released at Fargo, North Dakota, Sept. 24, 1944, by O. A. Stevens.

40-268557, banded at Modesto, California, February 20, 1942, by Irl Rogers, was found crippled (died later) at Fort Steel, British Columbia, April 10, 1944.

*41-218983, banded at Oakes, North Dakota, Sept. 11, 1944, by Mrs. J. F. Nichols, was found wounded at Yellow Grass, Saskatchewan, June 29, 1945.

*42-215191, banded at Overbrook, Pennsylvania, Sept. 27, 1943, by H. P. Baily, was killed by cat at Tallahassee, Florida, Feb. 10, 1944.

42-220149, banded at Fargo, North Dakota, Sept. 22, 1943, by O. A. Stevens, was killed 4 miles southwest of Millry, Alabama, Dec. 3, 1944.

STARLING (*Sturnus vulgaris*)

*38-204491, banded at Des Lacs National Wildlife Refuge, Kenmare, North Dakota, Aug. 3, 1938, by S. H. Low, was found dead at Billings, Montana, Feb. 14, 1939. This appears to be the first record of the Starling in Montana.

39-305121, banded at Melrose Park, Philadelphia, Pennsylvania, May 16, 1939, by Dr. Wm. Pepper, was retrapped and rebanded with No. 42-233483, April 6, 1945.

BLACK AND WHITE WARBLER (*Mniotilta varia*)

43-9932 banded at Manchester, New Hampshire, Aug. 31, 1944, by Miss Marie L. Bellisle, was "found" at Barham, Friendship P. O., Westmoreland, Jamaica, British West Indies, March 7, 1945.

PROTHONOTARY WARBLER (*Protonotaria citrea*)

*40-29355, banded in Convis Township, Calhoun County, Michigan, June 16, 1940, by L. H. Walkinshaw; in 1942 it was captured and color banded; again noted at the same locality May 14, 1944 and May 10, 1945.

PALM WARBLER (*Dendroica palmarum*)

41-96663, banded at Coral Gables, Florida, Jan. 17, 1943, by Mrs. Laura L. Bailey, was retrapped at same station Oct. 26, 1943.

BOBOLINK (*Dolichonyx oryzivorus*)

45806, banded at Pittsfield, Maine, May 18, 1936, by H. H. Johnson, was shot at Edisto River, South Carolina, Sept. 1937.

YELLOW-HEADED BLACKBIRD (*Xanthocephalus xanthocephalus*)

38-236625, banded at Sand Lake National Wildlife Refuge, Columbia, South Dakota, May 25, 1938, by P. A. DuMont, was killed by a cat at Arena, North Dakota, about July 19, 1945.

RED-WING (*Agelaius phoeniceus*)

36-231732, banded at North Eastham, Cape Cod, Massachusetts, May 10, 1938, by O. L. Austin, was retrapped at the same station on March 19, 1945.

40-402244, banded at the Lower Souris National Wildlife Refuge, Upham, North

- Dakota, Oct. 18, 1940, by C. J. Henry, was shot a few miles northwest of White Bear, Saskatchewan, Sept. 13, 1945.
42-206365, banded at North Andover, Massachusetts, May 5, 1944, by O. M. Root, was killed by a cat at Parkman, Maine, June 13, 1944.
*42-239417, banded at Herman, Butler County, Pennsylvania, June 11, 1944, by Rev. Edward Stoehr, was killed at Adel, Georgia, about Jan. 9, 1945.

TRICOLORED RED-WING (*Agelaius tricolor*)

- *39-254620, banded at 7 miles east of Los Banos, California, June 7, 1939, by J. A. Neff, was recovered near Dos Palos, California, July 1945.

ORCHARD ORIOLE (*Icterus spurius*)

- 40-143569, banded at North Little Rock, Arkansas, July 10, 1940, by Mrs. Rowland Thomas, was retrapped at the same locality, May 11, 1945. This was a 2-year-old bird when banded.

BALTIMORE ORIOLE (*Icterus galbula*)

- 40-113265, banded at Fargo, North Dakota, May 20, 1940, by W. E. Brentzel, was trapped and released at the same station on June 4, 1945.

BOAT-TAILED GRACKLE (*Cassidix mexicanus*)

- A-453802, banded at Gulfport, Florida, Dec. 30, 1932, by Mrs. Daisie M. Morrison, was killed for a specimen at St. Petersburg, Florida, about March 1945.

PURPLE GRACKLE (*Quiscalus quiscula*)

- 36-344616, banded at Demarest, New Jersey, April 12, 1937, by B. S. Bowdish, was found dead in E. Princess Anne District, Somerset County, Maryland, Feb. 26, 1944.
42-346883, banded at Huntington, L. I., New York, Sept. 11, 1944, by G. Gill, was shot 7½ miles southeast of Princess Anne, Somerset County, Maryland, about Dec. 30, 1944.
41-357489, banded at Harrisburg, Pennsylvania, May 18, 1943, by H. B. Wood, was shot at Tar Heel, North Carolina, November 23, 1944.

BRONZED GRACKLE (*Quiscalus versicolor*)

- *34-355846, banded at Cincinnati, Ohio, June 25, 1937, by C. J. Goetz, was retrapped at the same station on July 28, 1945, and rebanded A-419387.
40-342661, banded at Chicago, Illinois, April 20, 1940, by R. E. Smart, was shot at Tallulah, Iowa, Feb. 2, 1941.

COWBIRD (*Molothrus ater*)

- *37-218829, banded at Lansing, Michigan, June 15, 1938, by C. C. Ludwig, was retrapped on April 24, 1939, April 22, 1940, April 20, 1941, and April 2, 1943, at the same station.
40-224133, banded at Monticello, Arkansas, March 8, 1940, by C. M. Owens, was found dead near Abbotsford, Wisconsin, May 4, 1945.
41-208239, banded at North Eastham, Cape Cod, Massachusetts, July 31, 1944, by O. L. Austin, was found dead 5 miles west of Elloree, South Carolina, March 1, 1945.
41-208332, banded at North Eastham, Cape Cod, Massachusetts, Aug. 8, 1944, by O. L. Austin, was found (probably dead) near Dovesville, South Carolina, in March 1945.

CARDINAL (*Richmondia cardinalis*)

- A-270446, banded at Goshen, Indiana, Nov. 12, 1931, by S. W. Witmer, was caught and released at the same locality, April 28, 1941.
34-246734, banded at Ann Arbor, Michigan, July 1, 1941, by J. Van Tyne, was trapped or checked by color band (mate 34-246723, banded April 22, 1941, during whole period), at the same locality, almost continuously since; last checked Jan. 1, 1946.
37-344843, banded at Lansing, Michigan, June 23, 1938, by C. C. Ludwig, was retrapped at same station March 11, 1941, April 21, 1942, May 2, 1943, Oct. 15, 1943.

ROSE-BREADED GROSBEAK (*Hedymeles ludovicianus*)

- *34-253268, banded at Pomeroy, Iowa, July 19, 1936, by M. L. Jones, was "caught" at Chalmeca near Nuevo Arcadra, Copan, Honduras, about March 15, 1939.
 36-230091, banded as an adult male at Lexington, Massachusetts, June 26, 1937, by Mrs. Ada C. Govan, was trapped at the same station, Aug. 26, 1944, and May 12, 1945.

EVENING GROSBEAK (*Hesperiphona vespertina*)

- 37-224944, banded at Sault Ste. Marie, Michigan, May 19, 1937, by M. J. Magee, was killed near St. Augustin de Quebec, Quebec, April 27, 1943.
 39-153134, banded at Athol, Massachusetts, March 28, 1942, by Robert Allison, was found dead at Grand Lake Victoria, Val D'Or, Quebec, about July 10, 1945.
 40-219767, banded at Waterville, Maine, March 31, 1940, by W. Perkins, was reported as "read band from window feeder" at Gardiner, Maine, March 23, 1944.
 41-137108, banded at Lewiston, Maine, March 22, 1942, by Fred E. Pomeroy, was trapped and released at Sault Ste. Marie, Michigan, May 17, 1942, by M. J. Magee.
 426-202229, banded at Barre, Vermont, April 24, 1942, by Mrs. H. A. Drew, was captured two miles west of St. Anne de Beaupre, Quebec, April 9, 1944.
 42-208064, banded at Sault Ste. Marie, Michigan, May 16, 1942, by M. J. Magee, was trapped and released at Hartford, Connecticut, Dec. 28, 1945, by G. Hapgood Parks.

PURPLE FINCH (*Carpodacus purpureus*)

- 36-134731, banded at North Scituate, Massachusetts, April 25, 1937, by Allan D. Creelman, was trapped and released at Cohasset, Massachusetts, May 14, 1944, by Mrs. Katherine C. Harding.
 139-6236, banded at Sault Ste. Marie, Michigan, April 28, 1939, by M. J. Magee, was shot 12 miles northeast of Hemphill, Sabine County, Texas, Feb. 25, 1945.
 42-89727, banded at Lewiston, Maine, May 11, 1944, by F. E. Pomeroy, was killed by flying against porch, Keene, New Hampshire, June 17, 1944.

TOWHEE (*Pipilo erythrophthalmus*)

- 36-152486, banded at Clemson, South Carolina, March 21, 1937, by R. E. Ware, was retrapped at the same station Dec. 16, 1944, and March 3, 1946.

JUNCO (*Junco hyemalis*)

- 140-68050, banded at Westtown, Pennsylvania, March 8, 1944, by A. L. Baily, was trapped and released at Harvard, Massachusetts, Oct. 27, 1945, by J. L. Peters.

JUNCO (*Junco oreganus*)

- 37-98767, banded at Manor, California, Nov. 30, 1937, by Eric C. Kinsey, was picked up dead in grounds, no apparent injury, at same locality, Oct. 8, 1945.

TREE SPARROW (*Spizella arborea*)

- 138-19987, banded at Lexington, Massachusetts, March 1, 1940, by Mrs. Ada Govan, was found recently dead on top of snow at the same station, Feb. 28, 1945.
 41-10923, banded at Beltsville, Maryland, Dec. 16, 1941, by W. M. Davison, was retrapped at same station, Feb. 11, 1946.

- CHIPPING SPARROW (*Spizella passerina*)

- 36-69712, banded at Pocono Manor, Pennsylvania, July 15, 1937, by E. E. Wildman, was trapped and released at same place, June 23, 1945.
 *42-84558, banded at Long Island City, New York, Oct. 10, 1943, by J. A. Hines, was found dead near McClenny, Florida, about Nov. 1, 1944.

WHITE-THROATED SPARROW (*Zonotrichia albicollis*)

- 39-186085, banded at Takoma Park, Maryland, Nov. 7, 1939, by W. M. Davidson, was trapped and released at same point March 2, 1946.
 40-156334, banded at Minneapolis, Minnesota, May 15, 1943, by Mrs. J. A. Thompson, was found dead at Pryor, Oklahoma, March 19, 1945.
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