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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY
Washington, D. C.

April 1, 1936

Bird Migration
Memorandum No. 1.

TO ALL BIRD MIGRATION OBSERVERS
OF THE BIOLOGICAL SURVEY

In this first memorandum on bird migration, addressed to the observers who have for many years reported to the Biological Survey on the migrations of birds as noted in their respective localities, it seems fitting to give a brief review of the half-century history of this project. Work was formally begun on July 1, 1885, when the initial appropriation became available. Previously there had been appointed by the American Ornithologists' Union a committee on Migration and Distribution with Dr. C. Hart Merriam as its chairman. It accordingly was most fitting that Doctor Merriam should take charge of the work of the new Division of Economic Ornithology and Mammalogy, which became the Division of Biological Survey, April 25, 1896, and the Bureau of Biological Survey in 1905.

The material that had been collected by the observers of the American Ornithologists' Union was turned over to this new governmental unit and many of the Union's observers continued to collect data, which through the courtesy of the Union, were forwarded to this Division. A large number of farmers and other persons known to be interested in birds were added to the list; also the keepers of lighthouses along the coasts and lakes of the United States and Canada were requested to transmit reports on the birds killed each year as a result of striking the lighthouses. In the annual report of the Chief for 1889 there is this statement: "Schedules relating to the migration and geographical distribution of North American birds are mailed semiannually to nearly three thousand regular correspondents." In view of the comparatively small list of observers who now make these reports, the size of the early list seems most remarkable. It should be remembered, however, that in those days the literature on birds was scanty and that little was generally known about the avifauna of the continent. For the latter reason alone, the number of observers desirable then would today be both cumbersone and unnecessary.

The first official publication on migration was a bulletin on "Bird Migration in the Mississippi Valley", by Wells Woodbridge Cooke, which did much to stimulate popular interest in ornithology. This was followed by a lengthy series of publications on the distribution and migration of separate groups of birds, as the gulls, ducks, geese and swans, herons, egrets, rails, shorebirds and warblers. These bulletins were in such demand that they

have long been out of print. Perhaps the most popular bulletin ever put out by the Survey was one of Professor Cooke's last publications, "Bird Migration", issued in 1915, which has been reprinted in ten editions. Only this past year this bulletin has been superseded by "The Migration of North American Birds" by Frederick C. Lincoln (Circular No. 363, U. S. Department of Agriculture), which attempts to summarize our present knowledge of this natural phenomenon. It is fitting at this point to pay tribute to the patience, kindly advice, and indomitable energy of Professor Cooke, for it was mainly due to his efforts that this work was fostered and maintained through the earlier years. At the present time the accumulated notes from volunteer observers in the United States and Canada, together with similar material taken by the Biological Survey from published sources, comprise a file of nearly two million cards--a collection of data that is unique, possibly the largest assemblage of the kind in the world.

This fund of information has been the basis for the distributional part of most of our literature on North American birds published during the last 50 years, including the several editions of the "Check-List of North American Birds", published by the American Ornithologists' Union, bulletins of the Department of Agriculture on the distribution and migration of groups of birds, A. C. Bent's "Life Histories", and many State publications on this subject.

There are now 340 observers scattered over the continent of North America from Point Barrow, Alaska, to San Jose, Costa Rica. Many on the active list have been reporting their observations continuously from the beginning, and in some cases their records antedate the establishment of the work under governmental auspices in 1885. Those with the longest records are as follows:

Seymour R. Ingersoll, of New Smyrna, Fla., has sent records for 58 years (Ohio, 1878-1888; New York, 1889-1921, and Florida, 1922 to date).

H. Martyn Micklem, a farmer of Shipman, Va., 58 years (Virginia, since 1878).

Franklin Lorenzo Burns, of Berwyn, Pa., author of "The Ornithology of Chester County, Pennsylvania", 52 years (Pennsylvania, since 1884).

Clement Samuel Brimley, of Raleigh, N. C., assistant in the insect survey of North Carolina, Department of Agriculture, and one of the authors of the "Birds of North Carolina", 51 years (North Carolina, since 1885).

Prof. Edwin Lincoln Moseley, of Bowling Green, Ohio, head of the Department of Biology of the Ohio State Normal College, author of several books and papers on biological subjects, 50 years (Ohio, since 1886).

Willis Woodford Worthington, of Shelter Island Heights, Long Island, N. Y., 49 years (New York, since 1887).

To these six observers the Biological Survey in January 1931 sent

testimonials in recognition of their long and faithful services. In addition to these, other persons whose names have been on the roll of observers for long periods of years, but whose records have not been continuous, may be mentioned, as follows:

Dr. Lynds Jones, professor of animal ecology at Oberlin College, Oberlin, Ohio, and editor of the Wilson Bulletin from 1892-1924, began sending records from Grinnell, Iowa, in 1882 (54 years).

Charles W. Tindall, of Independence, Mo., has been reporting since 1889 (47 years).

Dr. W. H. Bergtold, of Denver, Colo. has sent records since 1890, from Buffalo, N. Y., and from Denver.

The Bureau has been receiving records from the Fairbanks Museum at St. Johnsbury, Vt., since 1894, in many years both spring and fall; from Arthur William Brockway, of Hadlyme, Conn., since 1896; and from Harry H. Hipple, of Delaware, Ohio, since 1900.

Canadians also assist by making similar observations, and at least three have done so for over 30 years. Mrs. Esther W. Cates, of McLean, Saskatchewan, has sent reports nearly every year since 1893; Stuart Criddle, of Treesbank, Manitoba, has continued the splendid record of his brother, Norman Criddle, who had sent observations, spring and fall continuously since 1895; and William Henry Moore, of Mouth Keswick, New Brunswick, has been reporting since 1900.

In initiating this new series of informational bulletins, which are prepared in the Section of Distribution and Migration of Birds, Division of Wildlife Research, the intent is to present a tabulation of the original data received from the observers, listing only the earliest arrivals in the different States. For most species average dates of arrival have been worked out and will be found in the series of papers instituted by Professor Cooke and published in "Bird -Lore", starting in vol. 9. 1907, pp. 264-265. If the present series proves of service to American bird observers it will be continued. It is hoped that it will be possible to prepare summaries for both the spring and fall movements. Suggestions and constructive criticisms will be welcomed from either amateur or professional students. It is desired to meet the needs of both.

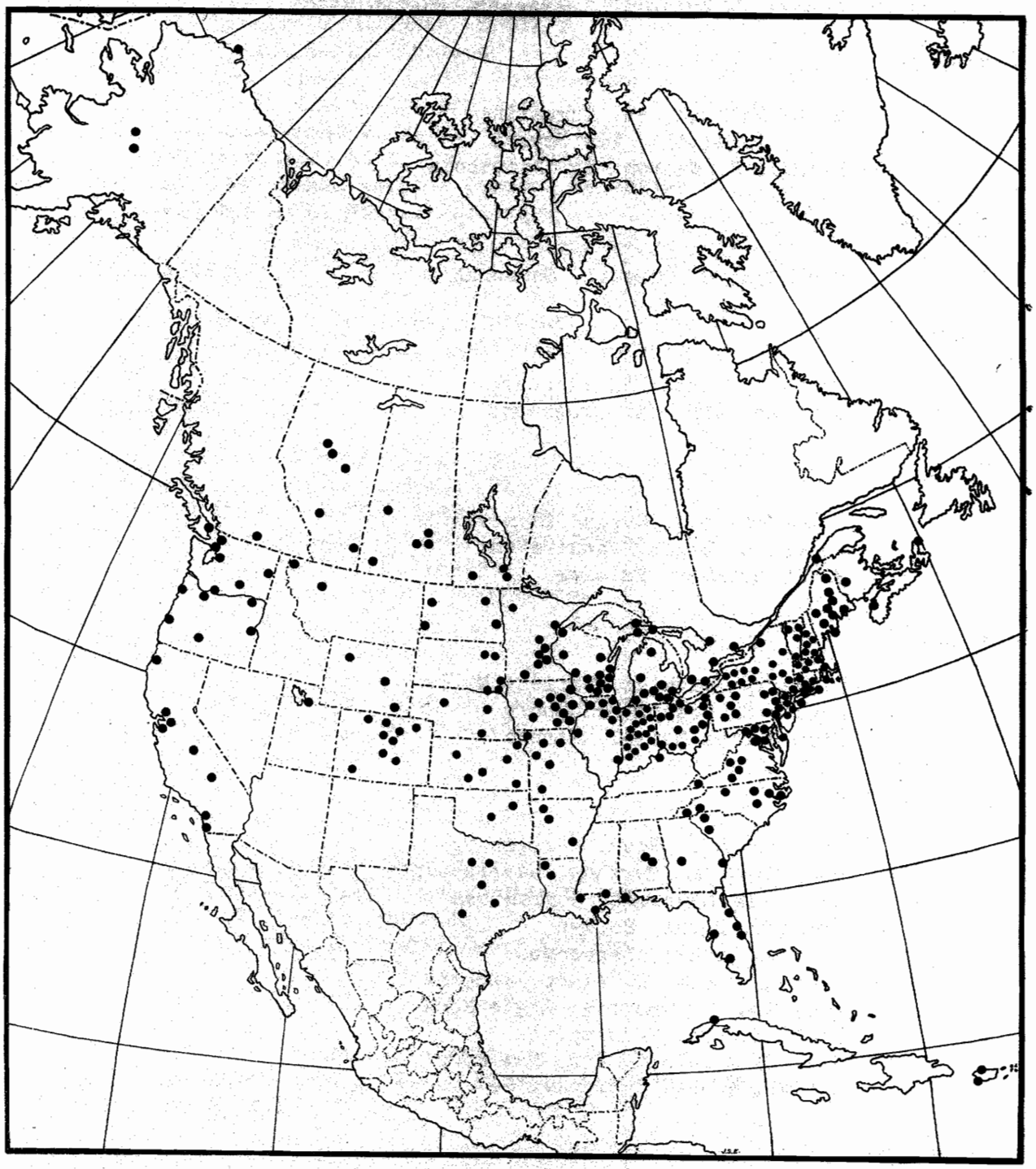
The accompanying summary of the spring migration of 1935 is a digest of about 12,000 records from 157 observers. The information has been put in tabular form, divided into the four major flyways as worked out for migratory waterfowl. (Lincoln, Frederick C. "The Waterfowl Flyways of North America", U. S. Dept. of Agr. Circ. 342). The allocation of States under each flyway is more or less arbitrary. It will be obvious that the flyway boundaries do not follow State lines, but the grouping adopted is satisfactory for general purposes.

Preceding each table is a key giving the name and location of the observers by States. The key explains the numbers noted in the summary in

parenthesis, following the date of arrival of each species--as being the person who sent the earliest date.

It is regretted that some of the records were received too late to be included in this summary. As it is anticipated that a similar report will be issued each year, it is realized that a time limit as to the receipt of this material must be decided upon. The spring migration records should therefore reach the Survey by the first of July and those for the fall migration by January 1.

As will be noted from the map, there are great areas from which no reports are received. Generally speaking, the northeastern quadrant of the country, that is, that portion east of the Mississippi River, and north of the Ohio and Potomac Rivers, is adequately covered. There also is fair coverage for the Pacific coast, particularly for California, but in all the rest of the United States and in all of Canada, Alaska, and Newfoundland, as well as in all of the Caribbean and other Latin-American countries, observers are greatly needed. To fill in these gaps is a challenge not only to the Survey but to all American bird students as well. In meeting it the Bureau will be glad to have the recommendations of all present observers. Care must be taken, however, that all persons suggested for this work are fully qualified. Accuracy in identification must always be our watchword.



Biological Survey Migration Observers

Key to the Atlantic Flyway

West Indies

(1) S. C. Bruner, Santiago de las Vegas, Cuba
(2) Stuart T. Danforth, Mayaguez, Puerto Rico

Florida

(1) R. C. Hallman, St. Augustine
(2) S. R. Ingersoll, New Smyrna
(3) Francis M. Weston, Jr. Pensacola

Georgia

Mrs. Anna S. Bassett, Savannah

South Carolina

(1) Gabriel Cannon, Spartanburg
(2) William Hahn, Jr. Greenwood

North Carolina

(1) Miss Marion A. Boggs, Waynesville
(2) Joseph D. Biggs, Washington
(3) C. S. Brimley, Raleigh

Virginia

(1) H. Martyn Micklem, Variety Mills
(2) Ruskin S. Freer, Lynchburg
(3) Miss Bertha Daniel, Naruna

Pennsylvania

(1) Dr. Harold B. Wood, Harrisburg
(2) Miss Clara L. Hershey, Harrisburg
(3) George MacReynolds, Doylestown
(4) Frank L. Burns, Berwyn
(5) John D. Carter, Lansdowne
(6) Miss Elizabeth B. Alsop, Ridgway
(7) Miss Grace A. Morris, Eagle Rock
(8) L. F. Savage, McKeesport
(9) Miss Elizabeth C. Cox, New Hope
(10) Randall Webster, Brookville

New Jersey

(1) Percy L. Collins, Milltown
(2) Miss Elsie A. Stroley, Morristown
(3) Mrs. Rea Hance, Long Valley
(4) Edward G. Kent, Madison

New York

(1) R. E. Horsey, Rochester
(2) Mrs. John McDonald, Corinth
(3) Robert S. Williams, New York
(4) Miss Florence N. Tyler, Smithtown Branch
(5) Bernard P. Brennan, Brooklyn
(6) C. A. Gianini, Poland
(7) Mrs. Samuel J. Neff, Port Leyden
(8) S. R. Ingersoll, Ballston Spa
(9) Miss Agnes Blowers, Morrisville
(10) Irving J. King, Collins Center
(11) Mrs. Minna Anthony Common, Watertown
(12) Wm. L. G. Edson, Rochester

Connecticut

(1) Arthur W. Brockway, Hadlyme
(2) Miss Marjorie S. Harrington, Norwalk

Massachusetts

(1) A. E. Preble, Wakefield
(2) L. R. Talbot, Greenwood
(3) Miss V. E. Crittenden. Beverly
(4) Miss Harriet N. Farr, Bernardston
(5) R. I. Giles, Marlboro
(6) George H. Seeley, Stockbridge

Vermont

(1) Miss Anna S. Reynolds, Burlington
(2) W. P. Smith, Wells River
(3) Fairbanks Museum, St. Johnsbury

New Hampshire

(1) F. B. White, Concord
(2) Lewis Shelley, East Westmoreland
(3) A.E. Preble, Ossipee
(4) Mrs. Eva E. Pratt, Water Village

Maine

(1) E. H. Perkins, Waterville
(2) Aaron Marden, Eagle Island, South Harpswell
(3) Eradel M. Pitman, South Portland

Quebec

William La Brie, Kamouraska

New Brunswick

W. H. Moore, Scotch Lake

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Pennsylvania	New Jersey	New York	Connecticut	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Common Loon							F.Apr.13 (8)		F.Apr.14 (1) L.May 5 (12)		F.Apr.11 (6)	F.May 11 (3)	F.Apr.22 (3)	F.May 19 (1) L.June 17 (3)		F.Apr.28
Horned Grebe		L.Apr.6 (3)					F.Apr. 6 (1)		L.Mar.16 (1,12)							
Pied-billed Grebe					F.Mar.21 (3)	F.Mar.12 (1) L.Apr.20 (1)	F.Apr. 3 (1)	F.Apr.14 (1)	F.Mar.29 (1,12)		F.Mar.17 (2)			F.May 12 (1)		
Double-crested Cormorant		L.May 12 (3)					F.May 3 (1) L.May 4 (1)							F.Apr.15 (2)		
Great Blue Heron						F.Apr.10 (1)	F.May 4 (1)	F.Mar.16 (2)	F.Mar.2 (1,12)	F.Apr.23 (1)	F.Feb. 3 (2) L.May 17 (2)		F.Apr.20 (3)	F.Apr. 2 (2)		F.Apr.27
Little Blue Heron		F.Mar. 4 (3)					F.May 1 (1)	F.May 21 (2)								
Eastern Green Heron		F.Mar.10 (3) L.June 20 (1)				F.Apr. 5 (1)	F.May 7 (8) L. May 28 (8)	F.Apr.29 (1)	F.May 1 (1,12)	F.May 15 (2)	F.May 5 (2)	F.May 22 (2)				
Black-crowned Night Heron							F.Mar.23 (4)	F. May 6 (1)	F.Mar.21 (5)		F.Apr.20 (3)			F.Apr.21 (2)		
American Bittern					F.Apr.2 (2)		F.Mar.28 (7) L.May 19 (8)		F.Mar.22 (12)	F.Apr.20 (1)	F.Apr.28 (5)	F.Apr.25 (1)	F.Apr.27 (2)	F. May 12 (1)		
Whistling Swan							F.Mar.23 (1,7)		F.Mar.18 (12) L.Mar.31 (1)							
Common Canada Goose							F.Mar.12 (7) L.May 16 (1)	F.Apr.25 (2)	F.Feb.27 (11) L.May 16 (11)	F.Mar.29 (1)	F.Mar.29 (1)	F.Mar.18 (2)	F.Mar.30 (3)	F.Mar.28 (2) L.May 22 (1)		F.Apr. 2
Common Mallard							F.Mar.24 (3)		F.Mar.30 (1)				F.Apr. 6 (2)			
Baldpate							F.Mar.18 (1) L.May 16 (1)		F.Mar.16 (1) L.June 2 (1)							
American Pintail						L.Apr.3 (1)	F.Mar.14 (1) L.Apr.18 (2)		F.Jan.3 (12) L.May 16 (12)							
Green-winged Teal									F.Mar.26 (1) L.Apr.28 (1)				F.Apr. 6 (2)			F.Apr.26
Blue-winged Teal		L.Apr.7 (3)				F.Apr. 3 (1) L.Apr.20 (1)	F.Apr. 3 (1)		F.Mar.24 (1,12)							
Shoveller						F.Mar. 3 (1)	F.Apr.13 (2) L.Apr.18 (2)		F.Mar.18 (12) L.May 29 (12)				F.Mar.31 (2)			
Wood Duck						F.Apr.15 (1)	F.Mar.14 (1)	F.Apr.19 (1)	F.Mar.19 (1)	F.Mar.17 (1)	F.Mar.23 (2)					
Ring-necked Duck						F.Mar. 2 (1)			F.Mar.18 (12) L.May 13 (12)							
Canvas-back									F.Mar. 2(1,12) L.Apr.14 (12)		F.Mar.17 (2)					
Greater Scaup Duck		L.Apr.14 (2)							F.Jan. 6 (12) L.May 26 (12)				F.Mar.31 (2)			
Lesser Scaup Duck		L.Apr.26 (1)				L.Apr.20 (1)	F.Apr.19 (1) L.May 4 (1)		F.Apr.14(1,12) L.May 26 (12)							
American Golden-eye		L.Apr.17 (3)						L.Mar.2 (1)	L.Apr.20 (1)				F.Apr.14 (2)	L.Mar.28(1)	F.Apr.21	
Buffle-head						L.Apr.7 (1)	L.Apr.16 (1)		L.May 11 (1)							
Hooded Merganser		L.Apr.14 (2)				F.Mar.2 (1)			F.Mar.16 (12) L.Mar.31(1,12)							
American Merganser							L.Apr.23 (2)		L.May 5 (1)		L.Apr.28 (6)			L.Apr.7 (1)		
Red-breasted Merganser		L.Mar.28 (2)				L.Apr.7 (1)	L.May 18 (1)		L.June 1 (1)							
Turkey Vulture							F.Mar. 1 (9)	F.Feb.25(3)	F.Mar.25 (5)							
Sharp-shinned Hawk		F.Jan.17 (1) L.Mar.18 (1)							F.Mar. 4 (12)		F.Mar.16 (2)		F.Mar.27(2)			
Cooper's Hawk							F.May 3 (5)		F.Feb. 2(1,12)		F.Mar.16 (2)	F.Apr.14(2)	F.Apr.24(2)	F.Apr.24 (1)		

ATLANTIC FLYWAY--Continued

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Pennsylvania	New Jersey	New York	Connecticut	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Eastern Red-tailed Hawk							L.Mar.7 (3)		F.Mar.16 (1)		F.Mar.14 (5)	F.Apr.29 (2)	F.Mar.17 (2)			
Red-shouldered Hawk									F.Mar.16 (1)		F.Mar.16 (2,5)	F.Apr. 5 (2)	F.Mar.11 (2)	F.May 5 (1)		
Broad-winged Hawk		F.Apr. 7 (3)					F.Mar.24 (3)		F.Feb. 3 (11) L.May 18 (1)	F.Apr.21 (1)	F.Apr.28 (5)	F.May 2 (2)	F.Apr.14 (2)	F.Apr.7 (1) L.May 3 (1)		
American Rough-legged Hawk									L.May 10 (1)				F.Apr.28 (2)			
Bald Eagle									F.Apr. 7 (12) L.May 10 (1)		L.June 15 (5)		L.June 18(4)	F.Apr.6 (1)		
Marsh Hawk		L.Apr.14 (1)				F.Feb.17 (1) L.Apr.27 (3)	F.Mar.10 (7)	F.Mar.19 (1) L.Apr.26 (1)	F.Mar. 2 (12)		F.Mar. 7 (6)	F.Apr. 6 (2)	F.Mar.31 (2)	F.Mar.22(2)	F.Apr. 8	
Osprey	L.Jan.26(2)	F.Feb.10 (3)			F.May 2 (3)	F.Mar.24 (1)	F.Mar.17 (3)	F.Mar.27 (1)	F.Apr.26(1,12) L.May 11 (12)	F.Mar.16 (1)	F.Apr. 5 (4)	F.May 13 (2)	F.Apr.26 (3)	F.Apr. 5 (2) L.May 19 (1)		F.Apr.26
Duck Hawk	L.Apr.16(2)	L.Apr. 6 (3)									F.Mar.17 (2)				F.Apr.28	
Eastern Pigeon Hawk		L.Apr.30 (1)					F.Mar.31 (3) L.May 7 (3)		F.Apr.27 (5) L.May 1 (12)		F.Apr.19 (6)	F.Apr.16 (2)				
Eastern Sparrow Hawk						F.Jan. 1 (3)	F.Mar.29 (7)		F.Apr. 6 (11)		F.Mar.10 (6)	F.Apr.28 (2)	F.Mar.30(2)	F.Apr. 8(2)		F.Apr.26
Virginia Rail		L.Jan.27 (1)					F.May 7 (2) L.May 10 (2)									
American Coot						L.Apr.20 (1)	F.Apr. 3 (1)		F.Mar. 9 (1)							
Piping Plover		F.Mar.10 (1)								F.June 13 (2)	F.Apr. 4 (2)					
Semipalmated Plover	L.May 25(2)	L.June 2 (1)							F.May 21(1,12) L.June 6(1,12)							
Killdeer		L.Mar.31 (1)				F.Feb.11 (1)	F.Feb.22 (9)	F.Feb.16(1)	F.Mar.10(1,12)	F.Mar.12 (1)	F.Mar.16 (2)					F.Apr. 4(1)
American Golden Plover		F.Mar.15 (3) L.Mar.17 (3)							F.May 26 (11)							
Black-bellied Plover		L.May 20 (1)							F.May 26(1,12) L.May 27 (12)	F.June 2 (2)						
Ruddy Turnstone	L.Apr.16(2)	L.June 6 (1)							F.May 16(1,12) L.May 26 (1,12)	F.May 18 (2)						
American Woodcock		L.Feb.10 (1)					F.Mar.29 (2) L.May 15 (2)	F.Mar.2 (1)	F.Mar.13 (4)	F.Mar. 2 (1)			F.Mar.19(2)	F.Apr.16(1,2)		F.Mar.21
Wilson's Snipe	L.Jan.19(2)	L.Apr.14 (1)			L.May 2(3)	F.Apr. 5 (1)	F.Mar.16 (3) L.Apr.25 (1)		F.May 26 (11)				F.Apr.23(2)			F.Apr.25
Upland Plover		F.Mar.15 (3) L.Apr.30 (1)				F.Apr.20 (1) L.May 1 (1)	F.May 7 (6)						F.Apr.23 (1)			
Spotted Sandpiper	L.May 5(2)	F.Apr.14 (1) L.May 27 (1)				F.Apr.19 (1)	F.Apr.25 (1)	F.May 1 (1)	F.Apr.25(1,12)	F.May 18 (2)	F.Apr.26 (6)	F.May 5 (2)	F.May 9 (2)			F.May 14 (1)
Eastern Solitary Sandpiper		F.Apr. 7 (3) L.May 19 (3)			F.Apr.24(3)	F.Apr.17 (1) L.May 1 (1)	F.Apr.16 (1) L.May 26 (3)	F.May 7 (1)	F.May 1 (5) L.May 23 (12)		F.May 5 (2)	F.May 22 (2)	F.May 14 (2)			F.May 16 (1)
Eastern Willet		F.Jan.26 (2)							F.Apr.27 (11)							
Greater Yellow-legs	L.Mar.9(2)	L.Apr.30 (1)				F.Apr.3 (1) L.Apr.15 (1)	F.Apr.27 (2) L.May 26 (3)		F.Apr.18 (12) L.May 29 (12)	F.May 17 (1)		F.May 4 (2)				F.May 17
Lesser Yellow-legs		F.Feb. 6 (1) L.May 19 (3)					F.Apr.27 (2) L.May 11		F.May 2(1,12) L.May 27 (12)							
Least Sandpiper		L.June 2 (1)					F.Apr.21 (6)		F.May 18(1,12) L.June 6(1,12)							
Red-backed Sandpiper								F.May 29(1)	F.May 21 (1) L.May 27 (12)							
Semipalmated Sandpiper	L.May 25(2)	L.May 26 (3)							F.May 23 (1) L.May 27 (12)							
Black-necked Stilt	F.Mar.12(2)	F.Apr.30 (1)														

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Pennsylvania	New Jersey	New York	Connecticut	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Ring-billed Gull		L.May 26 (1)		L.Apr.2 (1)					L.June 8 (12)							
Bonaparte's Gull		L.Apr.16 (2)					F.Apr. 4 (1)		F.Mar.30 (1) L.June 16 (12)							
Common Tern	F.Feb.17(2)						F.May 3 (1)		F.Apr.27 (11)							
Least Tern	F.June 1(2)	F.Apr. 8 (2)														
Black Tern		F.May 5 (3)					F.May 3 (1)		F.May 8 (12)							
Eastern Mourning Dove						F.Mar.19 (2)	F.Mar. 1 (1)	F.Mar.20(1,3)	F.Mar.22 (12)	F.Mar.16 (1)	F.Mar.31 (6)	F.Apr.26 (1)				
Yellow-billed Cuckoo		F.Apr.24 (2)			F.Apr.24 (2)		F.May 8 (2)	F.May 5 (4)	F.May 30 (12)		F.May 10 (5)					
Black-billed Cuckoo							F.May 8 (1)	F.May 2 (1)	F.May 12 (12)	F.May 9 (1)	F.May 11 (5)	F.May 29 (2)	F.May 23 (2)			
Eastern Whip-poor-will					F.Apr.14 (3)	F.Mar.24 (3)	F.Apr.28 (7)	F.Apr.25 (2)	F.Apr.26 (4)	F.Apr.25 (1)	F.May 9 (6)	F.May 11 (2)	F.Apr.29 (2)	F.June 9 (1)		
Eastern Nighthawk		F.Apr. 8 (3)		F.Apr.24(1)		F.Apr.28 (1) L.May 19 (1)	F.May 5 (2)	F.May 20 (1)	F.May 14 (12)	F.May 14 (1)	F.May 13 (6)	F.May 12 (1)	F.May 23 (1)	F.May 12 (1)		
Chimney Swift		F.Mar.21 (3)		F.Apr.1 (1)	F.Apr.2 (3)	F.Apr.19 (1,3)	F.Apr.21 (3)	F.Apr.23 (1)	F.Apr.25(1,12)	F.May 10 (1)	F.Apr.25 (6)	F.May 5 (2)	F.Apr.28 (2)	F.May 11 (1)		F.May 13
Ruby-throated Hummingbird		F.Mar.18 (2)			F.Apr.11(2)	F.Apr.25(1)	F.May 5 (2)	F.May 20 (3)	F.May 7 (4)	F.May 12 (1)	F.May 5 (5)	F.May 14 (2)	F.May 12 (2)	F.May 14 (3)		F.May 24
Eastern Belted Kingfisher						F.Feb.3 (1)	F.Mar.14 (1)	F.Apr.12 (2)	F.Mar.23(1,12)	F.Apr.18 (1)	F.Apr.19(5,6)	F.Apr. 8 (2)	F.Apr.25 (2)	F.Apr.20 (1)		F.May 14
Northern Flicker						F.Jan.4 (3)	F.Feb.14 (8)	F.Mar.12 (4)	F.Feb. 9 (12)		F.Mar.20 (1)	F.Apr.21 (2)	F.Apr.21 (2)	F.Mar.17 (2)	F.May 5	F.Apr.12
Red-headed Woodpecker							F.May 3 (8)		F.May 18 (1)							
Yellow-bellied Sapsucker	L.Feb.15(2)	L.Mar.16(2)	F.Mar.24			L.Apr.25(3)	F.Mar.24 (2) L.Apr.15 (2)		F.Mar.30 (3) L.May 12 (12)		F.Apr.29 (6)	F.Apr.19 (2)	F.May 25 (4)	F.Apr. 2 (2)		
Eastern Kingbird		F.Mar.31(3) L.June 8(1)			F.Apr.12(2)	F.Apr.19(1)	F.Apr.28 (5)	F.Apr.28 (1)	F.Apr.25 (9)	F.May 14 (1)	F.Apr.28 (3)	F.May 10 (2)	F.May 5 (2)	F.May 11 (1)		
Gray Kingbird	F.Mar.29(1)	F.Apr.14(2)														
Crested Flycatcher		F.Mar.27(2) L.June 27(1)		F.Apr.19(1)	F.Apr.24(2)	F.Apr.20(1)	F.May 3 (5)	F.May 8 (3)	F.May 9 (12)	F.May 10 (1)	F.May 5 (5)	F.May 12 (3)	F.May 24 (4)	F.May 12 (1)		
Eastern Phoebe		L.Mar.23(1)	L.Mar.10			F.Feb.26(1,3)	F.Mar.10(9)	F.Mar.17 (2)	F.Mar.22 (4)	F.Mar.18 (1)	F.Mar.24(2,6)	F.Mar.31 (2)	F.Mar.27 (2)	F.Apr. 6 (1)		
Yellow-bellied Flycatcher							F.May 8 (9)		F.May 25 (1)			F.May 28 (1)				
Acadian Flycatcher		F.May 12 (3)			F.May14 (1)	F.Apr.26(3)	F.Apr.29 (3)	F.May 14 (2)								
Alder Flycatcher							F.Apr.27 (2)	F.May 26 (1)	F.May 4(1,12)		F.May 26 (6)	F.May 24 (1)		F.May 16 (1)		
Least Flycatcher							F.Apr.21 (6)	F.May 1 (1)	F.May 9(1,12)	F.May 3 (1)	F.May 4	F.May 10	F.May 5	F.May 12 (1)		
Eastern Wood Pewee		F.May 1 (1) L.June 29(1)			F.Apr.24 (2)	F.Mar.7 (2)	F.Apr. 5 (5)	F.Apr.24 (4)	F.Apr.27 (12)	F.May 22 (1)	F.May 6 (1)	F.May 27(1,2)	F.Apr.7 (3)	F.Apr.20 (2)		
Olive-sided Flycatcher							F.May 30 (9)		F.May 27(1,2)			F.May 30(2,3)	F.May 21(2)	F.May 27 (1)		
Tree Swallow		L.May 13(1)	L.Apr.29		F.Mar.14 (2) L.May 16 (2)	F.Mar.3 (1) L.Apr.10(1)	F.Apr.21 (3)	F.Apr.22 (1)	F.Mar.11(1,12)	F.Apr.20 (1)	F.Mar.29 (2)	F.Apr.21 (2)	F.Apr.15 (2)	F.Apr.16 (2)		F.Apr.25
Bank Swallow	F.Mar.12(2)				F.May 15 (2)		F.Apr.27 (1)		F.Apr.20 (1)		F.Apr.24 (5)	F.May 10 (2)	F.May 16 (2)	F. May 11(1)		
Rough-winged Swallow		F.Mar.15(3) L.Apr.14(1)			F.Apr.14 (3)	F.Mar.27(1)	F.Apr.22 (5)	F.May 26(1)	F.Apr.22 (12)							
Barn Swallow	F.Jan.19(2) L.May 4	F.Apr.12(3) L.June 9(1)	F.Apr.11 L.May 13		F.Apr.11 (2)	F.Apr.19(1)	F.Apr.16 (2)	F.Apr.21 (1)	F.Apr.20(1,2,6,12)	F.Apr.30 (1)	F.Apr.24(5,6)	F.Apr.28 (2)	F.Apr.20 (2)	F.Apr.21 (2)		F.May 24
Northern Cliff Swallow						F.May 3 (1)	F.May 1 (1)		F.Apr.22 (12)		F.Apr.26 (6)	F.May 7 (2)	F.Apr.28 (2)	F.May 12 (1)		F.Apr.29
Purple Martin		F.Feb.15 (1,3)			F.Mar.14 (2)	F.Apr.23 (1)	F.Apr.3 (3)	F.Apr.20 (1)	F.Apr.21 (1)	F.Apr.24 (1)	F.May 15 (5)	F.Apr.23 (1)		F.Apr. 8 (2)		F.Apr.24

ATLANTIC FLYWAY--Continued

Barn Swallow	F.Jan.19(2) L.May 4	F.Apr.12(3) L.June 9(1)	F.Apr.11 L.May 13		F.Apr.11 (2)	F.Apr.19(1)	F.Apr.15 (2)	F.Apr.21 (1)	F.Apr.20(1,2, 6,12)	F.Apr.30 (1)	F.Apr.24(5,6)	F.Apr.25 (2)	F.Apr.20 (2)	F.Apr.21 (2)		F.May 24
Northern Cliff Swallow						F.May 3 (1)	F.May 1 (1)		F.Apr.22 (12)		F.Apr.26 (6)	F.May 7 (2)	F.Apr.26 (2)	F.May 12 (1)		F.Apr.29
Purple Martin		F.Feb.15 (1,3)			F.Mar.14 (2)	F.Apr.23 (1)	F.Apr.3 (3)	F.Apr.20 (1)	F.Apr.21 (1)	F.Apr.24 (1)	F.May 15 (5)	F.Apr.23 (1)		F.Apr. 8 (2)		F.Apr.24

ATLANTIC FLYWAY--Continued

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Pennsylvania	New Jersey	New York	Connecticut	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Eastern House Wren		L.Apr.24 (1,2)	L.Apr.21		F.Apr.26 (3)	F.Apr.19 (1)	F.Apr.15 (1)	F.Apr.24 (4)	F.Apr.26 (4)	F.Apr.30 (1)	F.Apr.24 (6)	F.May 7 (1)		F.June 5 (1)		
Eastern Winter Wren		L.Apr.9(2)				L.Apr.20 (1)	L.May 5 (3)	F.Apr.21 (2)	L.May 5 (3)		F.Apr.28 (2)	F.Apr.26 (2)	F.Apr.24(2)	F.May 1 (1)		F.Apr.25
Long-billed Marsh Wren					F.Apr.14 (3)			F.May 23 (1)	F.May 5 (12)		F.May 11 (2)	F.May 27 (1)		F.May 12 (1)		
Short-billed Marsh Wren		L.Apr.14(1)							F.June 2 (12)		F.May 4 (5,6)		F.May 17(1)	F.June 12 (1)		
Catbird		L.Apr.24(1)	L.Apr.14	F.Apr.21 (1)	F.Apr.14 (3)	F.Apr.19 (3)	F.Apr.27 (8)	F.Apr.29(1,2)	F.Apr.21 (12)	F.Apr.29 (1)	F.May 4 (2,3)	F.May 12 (1)	F.May 2 (2)	F.May 17 (1)		
Brown Thrasher						F.Mar.20 (1)	F.Apr.15 (6)	F.Apr.22 (1)	F.Apr.26(3,4)	F.Apr.28 (1)	F.Apr.28(5,6)	F.May 2 (2)	F.May 11(2,3)	F.May 9 (1)		
Eastern Robin		L.Mar.28(1)	L.Mar.31			F.Jan. 1 (3)	F.Feb.12 (10)	F.Feb.14 (2)	F.Feb. 3 (11)		F.Mar. 7 (6)	F.Mar.17(1,2)	F.Mar.17(2,3)	F.Mar.16(1,3)	F.Apr.8	F.Mar.27
Wood Thrush		F.Mar.20(2)		F.Apr.18 (1)	F.Apr.13 (2)	F.Apr.20(1,3)	F.Apr.28 (5)	F.Apr.29 (1)	F.Apr.26 (4)	F.May 4 (1)	F.Apr.28 (5)	F.May 10 (2)	F.Apr.25 (2)			
Eastern Hermit Thrush		L.Apr.7(1)	L.Apr. 6		L.Apr.14 (3)	F.Mar.25 (1) L.Apr.20 (1)	F.Apr.18 (10) L.May 10 (9)	F.Apr. 1 (4)	F.Mar.31 (12) L.May 15 (12)	L.May 24 (2)	F.Apr.21 (3)	F.Apr.21 (1)	F.Apr.17 (2)	F.Apr.16(2)		F.Apr.30
Olive-backed Thrush				F.May 6 (1)	F.May 2 (3)		F.May 7 (8) L.May 26 (6)	F.May 13 (1) L.May 19 (1)	F.Apr.29 (1) L.May 31 (12)		F.May 17 (2)	F.May 14 (1)		F.May 9 (3)		
Gray-cheeked Thrush					F.May 11 (3)		F.May 1 (1) L.May 27(8)	F.May 13 (1) L.May 19 (1)	F.May 9 (11) L.May 31 (12)		F.May 27 (2)					
Veery							F.May 2(7,10)	F.May 5 (2)	F.Apr.18 (14)		F.May 5 (5)	F.May 16 (2)	F.Apr.28 (2)	F.May 9 (3)		
Eastern Bluebird							F.Feb.15 (4)	F.Mar.3 (2)	F.Mar. 5 (8)		F.Mar.6 (1,5)	F.Mar.16 (3)	F.Mar. 9 (2)	F.Mar.28(3)		F.Apr.27
Blue-gray Gnat-catcher					F.Mar.25 (2)	F.Mar.29 (3)	F.May 3 (8)		F.Apr.19 (3) L.May 27 (12)							
Eastern Golden-crowned Kinglet			L.Mar.10			L.Apr.20(1,3)	F.Mar.31(2,10) L.Apr.26 (5)	F.Apr.1 (2) L.Apr.6 (2)	F.Feb.16 (1) L.May 14 (12)			F.Apr.24 (1)	F.Apr.18 (4)	F.Apr.26 (1)		
Eastern Ruby-crowned Kinglet		L.Apr.14 (1,3)	L.Mar.21	F.Apr.19 (1)		F.Apr.5 (1)	F.Mar.12 (9) L.May 8 (4)	F.Apr.22 (1) L.May 8 (1)	F.Mar.31 (3) L.May 20 (11)		F.Apr.28 (3)	F.Mar. 7 (3) L.May 14 (2)	F.Apr.26 (2)	F.Apr.26 (1) L.May 2 (1)		F.May 28
American Pipit							F.Mar.17 (3) L.Mar.24 (3)		F.May 11(1,12)			F.May 18 (2)				
Cedar Waxwing		L.May 22(3)	L.May 14		L.Apr.13 (3)		F.Apr. 9 (1) L.May 14 (1)	F.May 13 (3)	F.Apr.14 (11)		F.Mar.17 (5)		F.May 21 (2)	F.May 28 (1)		
Northern Shrike									L.Apr.3 (12)		L.Mar.11 (1)					
White-eyed Vireo		F.Apr.4 (3)			F.Mar.25 (2)	F.Apr.19(1,3)	F.May 12(3,10)	F.Apr.29 (1)		F.May 11 (1)						
Yellow-throated Vireo				F.Apr.20 (1)	F.Apr. 7 (3)	F.Apr.15 (3)	F.May 12 (3)	F.May 9 (1)	F.Apr.30 (8)	F.Apr.30 (1)	F.Apr.28 (6)	F.May 10 (1)				
Blue-headed Vireo		F.Apr.14 (3)	F.Apr.29		F.Apr.14 (3)	F.Apr.10 (1) L.Apr.20 (1)	F.Apr.21 (2) L.May 24 (3)	F.May 2 (1)	F.Apr.27 (3) L.May 26 (12)		F.Apr.27 (5)	F.Apr.28(2,3)	F.Apr.27(1,4)	F.May 9 (1)		F.May 14
Red-eyed Vireo		F.Mar.28 (3)		F.Apr.20 (1)	F.Apr.23 (2)	F.Apr.24 (3)	F.May 2 (10)	F.May 10 (2)	F.May 11(1,5)	F.May 14 (1)	F.May 11 (5)	F.May 21 (2)	F.May 12 (2)	F.May 21(1)		
Philadelphia Vireo							F.May 29 (8) L.May 30 (8)		F.May 26 (1)					F.May 23 (1)		
Eastern Warbling Vireo			F.Mar.22 L.Apr. 6			F.Apr.22 (1)	F.May 1 (8)	F.May 11 (2)	F.Apr.27 (8,9)		F.Apr.27 (5)	F.May 11 (3)	F.May 11 (1)	F.May 16 (1)		
Black and White Warbler	L.Apr.20 (2)	F.Apr.7 (3)		F.Apr.1 (1)	F.Mar.23 (2)	F.Mar.27 (1)	F.Apr.27 (2)	F.Apr.25 (3)	F.Apr.27 (3)	F.Apr.30 (1)	F.Apr.28(2,6)	F.Apr.29 (2)	F.Apr.28 (4)	F.Apr.30 (1)		
Prothonotary Warbler		F.Mar.29 (2)			F.Apr.23 (2)											
Worm-eating Warbler		F.Apr. 2 (2) L.Apr.24 (2)					F.May 8 (4)	F.May 26 (1)								
Golden-winged Warbler							F.Apr.28 (2)	F.May 6 (4)	F.May 10 (1)		F.May 5 (5)					
Blue-winged Warbler					F.Apr.28 (4) L.May 12 (3)		F.May 7 (8)	F.May 1 (1)	F.May 7 (4)	F.May 9 (1)						
Tennessee Warbler		F.Apr.12(3)					F.May 6 (8) L.May 24(8)	F.May 25 (2)	F.May 19 (1) L.June 1 (1)		F.May 26 (2) L.May 28 (2)	F.May 21 (2) L.May 30 (2)		F.May 14 (3) L.May 25 (1)		

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Pennsylvania	New Jersey	New York	Connecticut	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Nashville Warbler						F.Apr.28 (1)	F.May 8 (2,4) L.May 28 (8)	F.May 2 (1) L.May 13 (1)	F.May 10 (1,12)		F.May 5 (5)	F.May 10 (2)	F.May 5 (4)	F.May 6 (1)		
Parula Warbler	L.May 4 (2)	F.Mar. 2(1)			F.Mar.29 (2)	F.Apr.19 (1)	F.May 8 (5)	F.May 2 (1)	F.May 10 (1)	F.May 14 (1)	F.May 10 (2)	F.May 11 (2)		F.May 12 (1)		F.May 15
Eastern Yellow Warbler		F.Apr.6 (3) L.Apr.28(3)	F.Apr.26 L.May 13	F.Apr.18 (1)	F.Apr.18 (1)	F.Apr.20 (1)	F.Apr.24 (3)	F.Apr.27 (1)	F.Apr.27 (1)	F.May 14 (2)	F.Apr.30 (2)	F.May 6 (1)	F.May 9 (1)	F.May 10 (1)		
Magnolia Warbler					F.Apr.14 (1)	F.Apr.27 (1)	F.May 2 (10)	F.May 11 (1) L.May 30 (1)	F.May 9 (1)	F.May 19 (2)	F.May 10 (5)	F.May 12 (2)	F.May 11 (3)	F.May 12 (1)		
Cape May Warbler	L.Feb.2 (2)	F.Apr.3 (2) L.Apr.22(2)					F.May 11 (8) L.May 24 (8)		F.May 8 (12) L.May 30 (11)			F.May 29 (2)				
Black-throated Blue Warbler	L.Feb.2 (2)			F.Apr.18 (1)	F.Apr.24 (2)	F.Apr.25 (1)	F.Apr.28 (2)	F.May 2 (1) L.May 26 (1)	F.Apr.28 (3)		F.May 14 (2)	F.May 11 (2)	F.May 5 (2)	F.May 12 (1)		
Myrtle Warbler	L.Jan.19 (2)	L.Apr.25(3)	L.Mar.22		L.May 2 (3)	F.Feb.9 (1)	F.Apr.22 (4) L.May 17 (4)	F.Apr.19 (4) L.May 13 (1)	F.Apr. 6 (1) L.May 29 (1)		F.Apr.28(3,6) L.May 26 (2)	F.Apr.27 (2)	F.Apr.27 (1)	F.Apr.20 (2)	F.May 5	F.May 4
Black-throated Green Warbler					F.Mar.25(2)	F.Apr.28 (1)	F.Apr.29 (8) L.May 26 (3)	F.May 2 (1) L.May 13 (1)	F.Apr.27 (3)	F.May 2 (1)	F.Apr.28 (2,3)	F.May 9 (2)	F.May 4 (2)	F.May 5 (1)		
Cerulean Warbler							F.May 3 (8)		F.May 11(1,12)							
Blackburnian Warbler						F.Apr.25 (1) L.May 18 (1)	F.Apr.28 (2) L.May 26 (3)	F.May 19 (1) L.May 26 (1)	F.May 8 (12)		F.May 11 (5)	F.May 10 (2)	F.May 10 (1)	F.May 12 (1)		
Yellow-throated Warbler		F.Mar.2 (1)			F.Mar.23 (2)		F.May 19 (2)									
Chestnut-sided Warbler						F.May 3 (1)	F.May 1(4,8)	F.Apr.29 (1) L.May 25 (1)	F.Apr.27 (3)	F.May 9 (1)	F.May 5 (5)	F.May 10 (2)	F.May 10 (4)	F.May 11 (1)		
Bay-breasted Warbler							F.May 10 (8) L.May 26 (3)		F.May 10 (1) L.May 29 (1)		F.May 15(2,5) L.May 27 (2)	F.May 22 (2) L.May 28 (2)		F.May 14 (2)		
Black-poll Warbler		F.May 7 (1) L.May 21(1)			F.May 1 (2) L.June 1(2)	F.May 6 (1) L.May 30 (1)	F.May 8 (3) L.June 2(3)	F.May 13 (1) L.June 1 (1)	F.May 18 (1) L.June 2 (12)	F.May 29 (1)	F.May 15 (5) L.June 2 (2)	F.May 28(1,2)		F.May 31 (1)		
Northern Pine Warbler						F.Mar.3 (1)	F.May 10 (8)	F.Apr.19 (1)			F.Apr. 4 (2)	F.Apr.23 (1)		F.Apr.26 (1)		
Northern Prairie Warbler	L.Mar.12 (2)	F.Apr.7 (1)			F.Apr.17(2)	F.Apr.19(1)		F.May 6 (1)	F.Apr.28 (3)	F.Apr.29 (1)	F.May 11(2,5)					
Palm Warbler		L.Apr.24(2)					F.Apr.13 (9) L.Apr.22 (9)	F.Apr.22 (1) L.May 2 (1)	F.Apr.10 (3) L.May 12 (12)		F.Apr.26 (6)	F.Apr.26 (1)	F.Apr.26(2)	F.Apr.20 (2)		
Oven-bird	L.Mar.10 (2)	F.Apr.7 (3)			F.Apr.10 (2)	F.Apr.20(3)	F.Apr.27 (3)	F.Apr.28 (2)	F.Apr.28 (3)	F.May 6 (1)	F.May 5 (3,5)	F.May 10(2,4)	F.May 5 (2)	F.May 11 (1)		
Northern Water-Thrush	L.Mar.9(2)	F.Apr.16(1) L.May 19(1)			F.May 2 (3) L.May 25(3)		F.May 22 (3) L.May 26 (3)	F.May 5 (1) L.May 26 (1)	F.Apr.27 (3)		F.May 10 (6)	F.May 12 (2)	F.May 5 (1)	F.May 7 (1)		
Louisiana Water-Thrush		F.Mar.27(2) L.Apr.23(2)			F.Mar.23(2)	F.Apr.5 (1)	F.May 3 (1)	F.Apr.13 (2)	F.Apr.28 (3)	F.Apr.21 (1)						
Kentucky Warbler		F.Apr. 4(3)			F.May 2 (3)		F.May 10(4,5)									
Mourning Warbler							F.May 10(4,8)	F.May 25 (1)	F.May 18(1,12)		F.May 30 (2) L.June 1 (2)	F.May 28 (1)	F.May 16 (2)			
Yellow-throat				F.Apr.1 (1)	F.Mar.23 (2)	F.Apr.14(1)	F.Apr.28 (4)	F.Apr.27 (1)	F.Apr.29 (3)	F.May 11 (1)	F.May 5(3,5)	F.May 16 (2)	F.May 9 (2)	F.May 11 (1)		
Yellow-breasted Chat		F.Jan. 3(3) L.June 25(1)			F.Apr.26 (1)	F.Apr.28(1)	F.May 1 (4)	F.May 8 (3)		F.May 11 (1)	F.May 11 (5)					
Hooded Warbler		F.Mar.29(3)		F.Apr.20(1)	F.Apr.13 (2)	F.May 1 (1)	F.May 5 (3)	F.May 2 (1)	F.May 9 (3)	F.May 10 (1)						
Wilson's Warbler							F.May 16 (1) L.May 27 (8)	F.May 11 (3) L.May 26 (1)	F.May 20 (1) F.May 29(12)		F.May 12 (2) L.May 30 (2)	F.May 20 (2) L.June 3 (2)		F.May 17 (1)		
Canada Warbler							F.May 10(4,8)	F.May 11 (1) L.May 26 (1)	F.May 10 (1)	F.May 15 (1)	F.May 5 (5)	F.May 21 (2)	F.May 26(3,4)	F.May 21 (1)		
American Redstart	L.Apr.30 (2)	F.Apr.7 (1) L.June 5 (1)	F.May 15 L.May 23	F.May 6 (1)	F.Apr.28 (2)	F.Apr.27(1)	F.Apr.26 (8)	F.Apr.29(1,3)	F.Apr.29 (3)	F.May 7 (1)	F.May 5 (5)	F.May 10 (2)	F.May 10 (1)	F.May 11 (1)		

ATLANTIC FLYWAY--Continued

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Pennsylvania	New Jersey	New York	Connecticut	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Bobolink		F.Apr.20 (1) L.May 12 (1)	F.Apr.29	F.Apr.23 (1)	F.Apr.23 (2) L.May 14 (2)	F.May 1 (1) L.May 22 (1)	F.Apr.28 (9)	F.May 11 (1) L.May 13 (1)	F.Apr.19 (1)	L.May 26 (2)	May 4 (2)	F.May 9 (2)	F.May 5 (2)	F.May 10 (1)		F.May 18
Eastern Meadowlark						F.Feb. 4 (1)	F.Mar.11 (10)	F.Mar. 5 (1)	F.Mar.16(1,2)		F.Mar.16 (6)	F.Apr. 7 (2)	F.Mar.31 (2)	F.Mar.26 (1)	F.Apr.21	
Eastern Red-wing						F.Feb.24 (1)	F.Feb.25 (9)	F.Feb.20 (1)	F.Mar. 1 (1)	F.Mar. 4 (1)	F.Mar.16(2,6)	F.Mar.17 (2)	F.Mar.17 (2)	F.Mar.17 (1)	F.Apr. 1	
Orchard Oriole		F.Mar.30(3) L.June 9(1)			F.Apr.18 (2)	F.Apr.28 (1)	F.Apr.28 (9)	F.May 7 (1)								
Baltimore Oriole					F.Apr.26 (1)	F.Apr.27 (1)	F.Apr.29(1,3)	F.May 2 (4)	F.Apr.27 (12)	F.May 9 (1)	F.May 5 (5)	F.May 12 (1)	F.May 10 (1)	F.May 12 (1)		
Rusty Blackbird						F.Mar.2 (1)	F.Mar. 2 (1) L.May 1 (8)	F.Mar. 10 (1) L.May 2 (1)	F.Mar.16 (1) L.May 2(12)	F.Apr.6 (1) L.Apr.8 (1)	F.Mar.16 (2) L.May 14 (2)	F.Apr.7 (2) L.Apr.26 (2)	F.Mar.17 (2)			F.Apr.12
Purple Grackle						F.Feb.24(1)	F.Feb.25 (9)	F.Feb.15 (3)	F.Mar. 6 (3)	F.Mar.10 (1)	F.Mar. 7 (6)	F.Mar.29 (2)	F.Mar.18 (2)	F.Mar.19 (3)	F.Apr.10	
Eastern Cowbird					F.Mar.24 (3)	F.Mar.20(1)	F.Mar.18 (8)	F.Mar. 7 (1)	F.Mar.23(1,8,12)		F.Mar.16 (2)	F.Mar.28 (2)	F.Apr.20 (2)	F.Apr.12 (1)		
Scarlet Tanager		F.Apr. 7 (3)			F.Apr.28 (1)	F.Apr.26(1,3)	F.May 3 (4)	F.May 9 (2)	F.May 8 (4)	F.May 9 (1)	F.May 10 (5)	F.May 17 (3)	F.May 16(1,2)	F.May 27 (1)		
Summer Tanager		F.Mar.31(3) L.June 29(1)			F.Apr.24 (2)	F.Apr.23 (1)										
Rose-breasted Grosbeak				F.Apr.27 (1)	F.Apr.20 (1)	F.Apr.29 (1) L.May 13 (1)	F.May 4 (5)	F.May 2 (1)	F.Apr.29 (3)	F.May 9 (1)	F.May 10 (2)	F.May 12 (3)	F.May 5 (2)	F.May 13 (1)		
Eastern Blue Grosbeak		F.Apr.17 (3)			F.May 2 (3)	F.May 3(1,3)										
Indigo Bunting		F.Apr.7 (3)			F.Apr.27 (1)	F.Apr.27 (3)	F.May 3 (1)	F.May 9 (2)	F.Apr.7 (12)	F.May 14 (1)	F.May 11(2,5)	F.May 26 (2)	F.May 15 (2)	F.July 4 (3)		
Eastern Purple Finch						F.Mar.24 (1) L.Apr.19 (1)	F.Mar.24 (3) L.Apr.12 (8)		F.Feb.3 (11) L.Apr.18(11)	F.Feb.27 (1)	F.Mar.21 (6)	F.Mar.5 (3)	F.Mar.11 (2)	F.Mar.20 (1)		F.Jan.12
Eastern Goldfinch											F.May 29 (4)	F.Mar. 1 (1)	F.Feb.16 (3)	F.May 9 (1,3)		
White-winged Crossbill											L.May 26 (3)	F.Feb.28 (2)				
Red-eyed Towhee		L.Mar.13 (2)	L.Mar.2			F.Feb.11 (1)	F.Mar.10 (8)	F.Apr.21(2)	F.Apr.22(3,4)	F.Apr.24 (1)	F.Apr.28(2,3)	F.Apr.20 (1)	F.May 2 (2)	F.May 9 (5)		
Eastern Savannah Sparrow		L.Apr.24(2)			L.May 2 (3)	F.Mar.25 (1) L.Apr.20 (1)	F.May 3 (8)		F.Mar.25 (11)	F.Apr.18 (1)	F.Apr.11 (6)	F.Apr.17 (2)	F.Apr.21 (2)	F.May 3 (1)	F.Apr.26	F.Apr.17
Eastern Grasshopper Sparrow					F.May 5 (1)	F.Apr.13 (1)	F.Apr. 9 (8)	F.Apr.21 (1)	F.May 5 (1)		F.May 5 (5)					
Eastern Henslow's Sparrow		L.Apr.7 (1)						F.May 23 (1)	F.May 5(1,12)							
Eastern Vesper Sparrow						F.Mar.15 (1)	F.Mar.29 (8)	F.Apr.5 (3)	F.Mar.30(1,2)		F.Mar.16 (6)	F.Apr.17 (2)	F.Apr.8 (2)	F.Apr.10 (2)	F.Apr.26	F.Apr.17
Slate-colored Junco		L.Feb.22(3)				L.Apr.23 (3)	L.May 8 (1)	L.Apr.29 (3)	L.May 15 (12)		F.Mar.14 (5) L.May 1 (2)	F.Mar.27 (2)	F.Mar.17 (2)	F.Mar.17 (2)		F.Jan. 6
Eastern Tree Sparrow						L.Mar. 4 (1)	L.Apr.25 (3)	L.Apr. 2 (3)	L.Apr.28 (12)		L.Apr.28 (2)	L.Apr.30 (2)		L.Apr.10 (1)		
Chipping Sparrow		L.May 1 (1)			F.Mar. 3 (3)	F.Mar.16 (3)	F.Apr.6 (8)	F.Apr.20 (1)	F.Apr.19 (6,12)	F.Apr.24 (1)	F.Apr.15 (5)	F.Apr.25 (2)	F.Apr.23 (4)	F.Apr.24 (2)		F.May 1
Eastern Field Sparrow							F.Mar.12 (1)	F.Apr.3 (3)	F.Mar.19 (4)	F.Apr.3 (1)	F.Apr.4 (5)	F.May 2 (2)	F.Apr.22 (2)	F.May 2 (1)		
White-crowned Sparrow							F.May 4 (2) L.May 24 (8)	F.Apr.21 (3)	F.May 10 (1) L.May 26 (12)		F.May 12 (6) L.May 26 (2)	F.May 3 (1)	F.Apr.29 (2)	F.May 14 (3) L.May 18 (1)		F.Apr.25 L.May 24
White-throated Sparrow		L.May 1 (3)	F.Apr.25		L.May 2 (3)	L.May 10 (3)	F.Mar.2 (1) L.May 22(3)	F.Apr.21(2,3) L.May 22 (2)	F.Mar.31 (3) L.May 18 (1)	L.May 22 (1)	F.Apr.27(5,6)	F.Apr.24 (1)	F.Apr.27(1,2)	F.Apr.28(2,3)		
Eastern Fox Sparrow						F.Mar.2 (1) L.Apr.14 (1)	F.Mar. 4 (8) L.Apr.23 (8)	F.Mar.6 (1) L.Mar.18 (1)	F.Mar.29(1,12) L.Apr.25 (12)	F.Mar.14 (1)	F.Mar.3 (2) L.Apr.28 (2)	F.Apr.15 (2)	F.Mar.22 (1)	F.Mar.17 (2)		
Lincoln's Sparrow							F.May 31 (1)		F.May 12 (12)				F.May 23 (1)			
Swamp Sparrow		L.Apr.30(1)			L.May 2 (3)	F.Mar.16 (1) L.Apr.20 (1)	F.Mar.17 (3)		F.Mar.23 (12)	F.Apr.23 (1)	F.Apr.25 (6)	F.May 2 (2)	F.Apr.26 (2)	F.Apr.30 (1)	F.May 5	
Eastern Song Sparrow			L.Mar.15				F.Mar. 8 (7)	F.Feb.28 (2)	F.Mar.6 (12)	F.Mar.18 (1)	F.Mar.14 (5)	F.Mar.23(1,2)	F.Mar.17(2,3,4)	F.Mar.16(2)	F.Apr.7	F.Apr.9
Eastern Snow Bunting									L.Mar.16(1,12)			L.Feb.28 (2)		L.Jan.24(1)		

It will be observed that migrant data from many States are entirely lacking for several species. This is a problem that should receive serious consideration from the observers of those States. Also, there are many species for which only one or two dates were reported for the entire Flyway. These are given here as a matter of interest and to direct attention to the needs in this important field.

Stuart T. Danforth, of Mayaguez, Puerto Rico reported the only Cabot's Tern which he collected on February 22. On the same day a Laughing Gull was seen and the Last Royal Tern was noted April 1. Another record of the Laughing Gull was reported by Marjorie S. Harrington at Norwalk, Connecticut, May 18.

Mr. Hallman noted the Sandhill Crane in St. John's County, Florida, on March 17; a late date for the Sora Rail was April 14. Two Wilson's Plovers were noted March 13, while the Knot arrived May 9 and was last seen on the 26th.

Francis M. Weston noted the Hudsonian Curlew on April 17 at Pensacola which was the earliest date he had ever recorded and it was also seen by Mr. Hallman in St. John's County on the same date. Two other early dates of arrival at Pensacola were those of the Scarlet Tanager on April 7 and the Swainson's Warbler on the 14th of April. The White-rumped Sandpiper was noted May 19 and the Mississippi Kite was seen April 21. Two accidental records at Pensacola were the Sooty Shearwater, January 3 and the Dickcissel, April 23.

The Chuck-will's-widow was noted by R. C. Hallman in St. John's County, Florida, on March 20 and by F. M. Weston at Pensacola, April 10. Mr. Weston reported seeing two Painted Buntings April 11 at Pensacola; Mr. Hallman noted the same species April 14 in St. John's County while two males were seen by S. R. Ingersoll at New Smyrna, April 19.

C. S. Brimley reported seeing the Blue Goose at Raleigh, North Carolina, on February 22. Bertha Daniel noted the Bewick's Wren at Naruna, Virginia, on March 23. Two Caspian Terns were observed in Rochester by Wm. L. G. Edson and W.G. Woodams on April 28. Miss Clara L. Hershey reported that the same species arrived at Harrisburg, Pennsylvania on May 7, departing the following day. She also noted the Mockingbird on March 10. Miss Grace H. Morris, of Eagle Rock, Pennsylvania saw three Orange-crowned Warblers on May 12. Wm. L. G. Edson and Dewey Rommel noted the same species at Rochester, New York, on May 23, L. F. Savage saw the Connecticut Warbler at McKeesport, Pennsylvania, May 11, where it remained until May 24. The same species was noted by Wm. L. G. Edson and Frank Pugsley at Rochester on May 21.

Some unusual records sent in by R. E. Horsey and Wm L. G. Edson, of Rochester, New York, were the following: The Least Bittern was noted May 11; the Gadwall that arrived March 22, remained until May 5; the Ruddy Duck that was first seen on May 13 stayed until May 23; a late date for the

Old-squaw was May 16; the Redhead was noted on March 27 remaining until May 13; the Florida Gallinule was reported on April 28; the Snow Goose was seen March 27; one Yellow Rail which was first noted on June 9 stayed until the 23rd of the month; the Pectoral Sandpiper arriving May 23 departed four days later.

The Boat-tailed Grackle was seen by Miss Harriet N. Farr at Bernardston, Massachusetts, April 18. An American Eider was noted at Greenwood, Massachusetts, April 6, by Mr. L. R. Talbot. Mr. W. H. Moore, of Scotch Lake, New Brunswick, reported the only Goshawk which was noted January 30.

Some interesting winter data from this flyway seem worthy of mention. In Pennsylvania, Grace A. Morris reported a kingfisher at Eagle Rock, February 15, and Randall Webster saw one at Brookville, January 16. G. H. Seeley noted one at Stockbridge, Massachusetts, January 7, while two were reported at Pownal, Vermont, January 28, by Norman A. Preble.

Florence N. Tyler saw three Fox Sparrows at Smithtown Landing, New York, January 27. At Norwalk, Connecticut, Marjorie S. Harrington noted the Black-crowned Night Heron, January 17, the Killdeer, January 9, and the Mourning Dove, January 15.

William L. G. Edson, of Rochester, reports the following winter dates: Coot, January 6; Baldpate, January 31; two robins, January 1; one Red-winged Blackbird, January 31; and the Carolina Wren that was last seen January 6 had been there since July.

Key to the Mississippi Flyway

Louisiana

H.H. Kopman, Shreveport

Arkansas

(1) Miss Sallie Cavaness, Monticello
(2) Charles Miller, London

Missouri

4 (1) Charles W. Tindall, Independence
4 (2) Dr. Ferdinand Shryman, Concordia

Illinois

5 (1) C. S. Graves, Evanston
5 (2) John J. Schafer, Port Byron
5 (3) Mrs. John S. Collier, Kankakee

Indiana

5 (1) Mrs. M. H. Clay, Kendallville
5 (2) Dr. F. Bigelow, Elkhart
4 (3) Mrs. E. C. Gilliland, Carlisle
4 (4) S. E. Perkins, III. Indianapolis
5 (5) B. T. Sarver, Crawfordsville
4 (6) C. E. Swope, Vincennes
5 (7) D. H. Boyd, Hobart

Ohio

5 (1) Louis W. Campbell, Toledo
5 (2) Margarette E. Morse, Cleveland
5 (3) A. J. Carlson, Lakeside
5 (4) Lynds Jones, Oberlin
5 (5) E. L. Moseley, Bowling Green
5 (6) S. V. Wharram, Geneva
5 (7) Harry Hipple, Delaware County
4 (8) Miss Katie M. Roads, Hillsboro
5 (9) Miss Emma E. Laughlin, Barnesville
5 (10) Mrs. F. E. Gilcrest, Hartville

Michigan

(1) Norman Wood, Ann Arbor
(2) F. W. Rapp, Vicksburg
(3) E. K. Fry, Portage Lake
(4) Fred McNamara, Howell
(5) K. Christofferson, Blaney
(6) O. McKinley Bryens, McMillan
(7) Ralph Beebe, Ecorse
(8) Mrs. C. E. Wisner, Detroit

Ontario

Eileen McArthur, Southway

Iowa

(1) Mrs. Robert I. Bordner, Hudson
(2) Mary E. Hatch, McGregor
(3) Mrs. W. J. Armour, Sioux City
(4) Fred J. Pierce, Winthrop

Wisconsin

(1) Lulu M. Lunn, Racine
(2) Miss Susie L. Simonds, Hartland
(3) F. S. Dayton, New London
(4) Mrs. Charles W. Hitchock, Berlin
(5) Miss Ethel Allis Nott, Reedsburg
(6) Bernard T. Burkart, Sheboygan
(7) N. R. Peabody, Deer Park
(8) Alexander Yorman, Reedsburg
(9) Robert Jiracek, La Crosse
(10) Douglas E. Tibbits, Reedsburg

Minnesota

(1) E. D. Swedenborg, Minneapolis
(2) Lloyd Peabody, St. Paul
(3) E. H. Danielson, Zumbrota
(4) E. J. Wilkinson, Duluth
(5) Arthur G. Torgerson, Fosston

Manitoba

(1) Stuart Criddle, Treesbank
(2) Rev. W. R. Johnson, East Kildonan
(3) C. L. Broley, Winnipeg

Species	Louisiana	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Common Loon					F.Mar. 4 (4)	F.Apr. 7 (4)	F.Mar. 17 (1)	F.Apr.22		F.Mar.27 (2)	F.Mar.28 (1)	F.May 5 (1)
Horned Grebe						F.Apr. 7 (4)				F.Apr.13 (4)	F.Apr.22 (1)	F.May 6 (1)
Eared Grebe									F.Apr.20 (3)		F.May 21 (5)	
Pied-billed Grebe					F.Mar.30 (4)	F.Mar.15 (4)	F.Feb.10 (1)				F.Apr.13 (1)	
White Pelican									F.May 5 (3)			F.May 2 (1)
Double-crested Cormorant						F.May 5 (1) L.May 18 (1)					F.May 19 (1)	
Great Blue Heron				F.May 23 (2)	F.Mar.26 (4)	F.Mar.16 (5)	F.Mar.15 (1)	F.Apr.11	F.May 13 (4)	F.Apr.16 (7)	F.Apr. 6 (1)	
Eastern Green Heron				F.May 12 (2)	F.Mar. 21 (2)	F.Mar.31 (8)	F.May 1 (2)		F.May 12 (4)	F.Apr.26 (6)	F.May 12 (1)	
Black-crowned Night Heron				F.May 4 (1)		F.Apr.13 (1)			F.Apr.27 (4)	F.May 29 (1,4)		
American Bittern					F.Mar.27 (2)	F.Mar.23 (1)	F.Mar.21 (2)	F.May 11	F.Apr.28 (3)	F.Apr. 5 (7)	F.Apr.27 (1)	
Least Bittern						F.Apr.15 (8)	F.May 1 (2)					
Whistling Swan						F.Mar.11 (4) L.Apr. 6 (1)	F.Apr. 4 (2)			F.Mar.30 (3,4)	F.Mar.30 (1) L.Apr.20 (1)	F.Apr.12 (1)
Common Canada Goose		F.Mar.15 (1)		F.Mar.21 (1)	F.Apr. 9 (2)	F.Feb.24 (1) L.May 18 (1)	F.Feb.16 (2) L.May 7 (5)	F.May 8 L.May 20		F.Mar.13 (2)	F.Apr.17 (5)	F.Mar.27 (1)
Lesser Snow Goose			F.Mar. 3 (2)						F.Mar.17 (3)	F.Apr. 1 (7) L.Apr. 5 (7)		F.Apr.13 (1)
Blue Goose									F.Mar.17 (3)			F.Apr.16 (1) L.May 2 (1)
Common Mallard			F.Feb.12 (1)	F.Mar. 2 (2) L.Mar.16 (2)	F.Feb. 21 (5)	F.Feb.10 (1) L.May 5 (3)	F.Feb.10 (1)		F.Mar.10 (3)	F.Mar.22 (7)	F.Feb. 2 (1)	F.Mar.26 (1)
Common Black Duck						F.Jan. 27 (1)	F.Feb. 3 (1) L.June 9 (6)	F.Apr.21	F.Apr.28 (1)		F.Mar.21 (1)	
Gadwall						F.Mar. 9 (1) L.May 26 (4)					F.Apr.13 (1) L.May 4 (1)	
Baldpate					F.Mar.30 (4)	F.Mar. 9 (1) L.May 16 (1)	F.Mar.28 (3) L.Apr. 7 (3)		F.Mar.17 (3) L.Apr.22 (1)		F.Apr. 7 (1) L.May 4 (1)	
American Pintail			F.Feb.12 (1)	F.Mar. 5 (2) L.Mar.16 (2)	F.Mar. 4 (4)	F.Mar. 3 (1) L.May 7 (1)	F.Mar.28 (1)		F.Mar.10 (3) L.Apr. 6 (3)		F.Mar.21 (1) L.Apr. 7 (1)	F.Mar.26 (1)
Green-winged Teal					F.Mar. 6 (6) L.Apr.15 (6)	F.Mar.16 (1) L.May 12 (1)	F.Mar.28 (1)		F.Apr.21 (1) L.Apr.28 (1)		F.Apr.28 (5)	
Blue-winged Teal					F.Apr.19 (7)	F.Mar.18 (4)	F.Mar.15 (1)		F.Mar.10 (3)	F.Apr.13 (7)	F.Mar.29 (1)	F.Apr.13 (1)
Shoveller					F.Apr.11 (7)	F.Mar.16 (1) L.May 30 (1)	F.Mar.24 (3) L.Apr.28 (3)		F.Mar.17 (3)	F.Apr.24 (7)	F.Mar.29 (1)	F.Apr.25 (1)
Wood Duck						F.May 9 (5)	F.May 13 (5)	F.May 11				
Redhead						F.Mar. 9 (1) L.May 5 (1)	F.Mar.28 (1)		F.Mar.17 (3)		F.Apr. 6 (1) L.Apr.27 (1)	
Ring-necked Duck						F.Mar. 2 (2) L.Apr.21 (1)	F.Apr. 7 (1)				F.Mar.21 (1) L.June 8 (1)	
Canvas-back						F.Mar.10(1,2) L.May 9 (4)	F.Mar.11 (1)		F.Mar.24 (1)	F.Mar.26 (10) L.Apr.22 (4)	F.Apr.27 (1)	
Greater Scaup Duck					F.Mar. 4 (4)	F.Mar. 9 (1) L.May 21 (9)	F.Mar.16 (1) L.May 19 (3)		F.Mar.17 (3) L.Apr.28 (3)	F.Mar.26 (7) L.June 23(1)		
Lesser Scaup Duck						F.Mar.10 (3) L.May 19(2,3,9)	F.Mar.10 (2) L.Apr.16 (2)		F.Apr.14 (1) L.Apr.28 (1)	F.Mar.25 (2,3)	F.Mar.17 (1)	F.Apr.14 (1)
American Golden-eye						F.Feb.23 (1) L.Apr.27 (1)	F.Mar. 1 (2) L.May 2 (5)			F.Mar.25 (2) L.June 23(1)	F.Mar.15 (1) L.Mar.31 (1)	F.Mar.29 (1)
Buffle-head					F.Mar. 4 (4)	F.Mar.24 (1) L.Apr.25 (3)	F.Apr. 7 (1) L.Apr.26 (5)		F.Apr.20 (3)	F.Mar.25 (3)	F.Mar.21 (1)	

Species	Louisiana	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Ruddy Duck					F.Apr.20 (4)	F.Mar.31 (1) L.May 12 (1)	F.Mar.28 (1)				F.May 19 (5)	
Hooded Merganser						F.Mar. 9 (1) L.Apr.27 (1)	F.Mar. 2 (1) L.May 15 (5)	F.Apr.11		F.Mar.25 (2)	F.Apr.30 (1)	
American Merganser					F.Mar.20 (4)	F.Feb. 9 (1) L.May 18 (1)	F.Feb. 3 (1) L.May 5 (1)	F.Apr.11		F.Mar.14 (2)	F.Mar.19 (1) L.Mar.21 (1)	
Red-breasted Merganser						F.Apr. 6 (1) L.May 12 (1,4)	F.Apr. 7 (3)			F.Apr. 1 (6) L.June 2 (6)	F.Apr.10 (1) L.Apr.30 (1)	
Turkey Vulture					F.Feb.15 (4)	F.Mar.15 (4)	F.Mar.24 (1)				F.Apr.13 (1)	
Eastern Goshawk							F.Jan.16 (6) L.May 1 (5)		F.Feb.10 (1) L.Mar.24 (1)	F.Mar.24 (7)		F.Apr.26 (1)
Sharp-shinned Hawk						F.Mar. 4 (6) L.May 12 (1)	F.Apr.28 (6)	F.May 19		F.Mar.15 (6)	F.Apr.21 (5)	
Cooper's Hawk				F.Apr. 1 (2)		F.Feb.17 (1)	F.Mar.30 (6)	F.May 26	F.Apr. 6 (4)	F.Apr.26 (6)	F.Apr.15 (5)	F.Apr.29 (1)
Red-tailed Hawk				F.Mar.26 (2)		F.Feb.23 (1) L.Apr.21 (1)	F.Mar.16 (1)	F.Apr.26	F.Mar.25 (3)	F.Mar. 3 (2)	F.Mar.21 (1)	F.Mar. 25 (1)
Red-shouldered Hawk				F.Apr.14 (2)		F.Mar.17 (1) L.Apr.20 (1)	F.Mar.22 (1)			F.Mar. 3 (10)		F.Apr.13 (1)
Broad-winged Hawk						F.Mar.20 (6) L.Apr.27 (1)	F.Apr.26 (1)	F.May 6	F.Apr.21 (1) L.Apr.27 (1)	F.Apr.26 (6) L.Apr.27 (6)	F.Mar.25 (5)	
American Rough-legged Hawk					F.Mar. 4 (4)	F.Jan.27 (1) L.May 8 (1)	F.Mar.31 (1) L.May 1 (5)		F.Mar.10 (4)		F.Feb.17 (1)	F.Mar.26 (1)
				L.Mar.30 (2)								
Marsh Hawk				F.Feb.27 (2) L.May 1 (2)	F.Feb.26 (7)		F.Mar. 1 (2)	F.Mar.26	F.Mar.17 (3)	F.Mar.15 (3)	F.Mar.21 (5)	F.Mar.19 (1)
Osprey						F.Apr.16 (8) L.May 15 (8)	F.Apr.18 (1)	F.Apr.25		F.Apr.24 (7)		
Duck Hawk						F.Mar.23 (1) L.May 5 (1)	F.Apr. 4 (6) L.May 24 (6)					F.May 6 (3)
Eastern Pigeon Hawk						F.May 5 (1)	F.May 4 (6)					F.May 19 (2)
Eastern Sparrow Hawk				F.Mar.19 (2)	L.May 3 (7)	F.Mar.15 (1) L.May 19	F.Mar. 5 (7)		F.Mar.17 (3)	F.Mar.27 (7)	F.Apr. 7 (1)	F.Apr.22 (1)
Sandhill Crane							F.Apr. 9 (5)					F.Apr.26 (1)
King Rail					F.Apr. 5 (6) L.Apr.20 (6)	F.Apr.28 (1)	F.Apr.25 (2)					
Virginia Rail					F.Mar.24 (6)	F.Apr.20 (8)	F.Apr.15 (2)			F.May 15 (1)	F.May 4 (1)	
Sora					F.Apr.30 (5)	F.Apr.21 (1) L.May 25 (1)	F.Apr.15 (2)			F.May 4 (10)	F.Apr.27 (1)	
Florida Gallinule						F.Mar.24 (1)	F.Apr.21 (2)				L.May 4 (1)	
American Coot					F.Apr.22 (5)	F.Mar. 9 (1) L.May 12 (3)	F.Apr. 7 (1)		F.Mar.23 (4)	F.Apr.21 (4)	F.Mar.23 (1)	F.May 4 (1)
Piping Plover						F.Apr.21 (1)					F.May 11 (1)	
Semipalmated Plover						F.Apr.27 (4) L.June 6 (1)	F.May 19 (1)				F.May 19 (1) L.May 25 (1)	
Killdeer			F.Feb.25 (2)	F.Mar. 2 (2)	F.Feb.14 (3) L.May 19 (1)	F.Mar. 3 (1)	F.Mar. 1 (2)		F.Mar.14 (4)	F.Mar.10 (1)	F.Mar.14 (1)	F.Apr. 8 (1)
Black-bellied Plover						F.Apr.21 (1) L.May 30 (1)				F.June 10 (3)		
Ruddy Turnstone						F.May 5 (1) L.June 8 (1)					F.May 20 (1)	F.May 19 (3)
American Woodcock					F.Mar.24 (2)	F.Mar.20 (6)	F.Mar.16 (1)	F.Apr.12		F.Mar.17 (2)		
Wilson's Snipe				F.Apr.21 (2) L.Apr.23 (2)	F.Mar.20 (6) L.Apr.20 (6)	F.Mar.16 (4) L.May 15 (8)	F.Apr. 4 (2)		F.Apr. 8 (1) L.Apr. 9 (1)	F.Mar.29 (10)	F.Apr.27 (5)	

Species	Louisiana	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Upland Plover				F.Apr.23 (2) L.May 31 (2)		F.Apr. 5 (8)			F.May 4 (4)	F.Apr.20 (10)		F.May 3 (1)
Spotted Sandpiper			F.Apr.13 (1)		F.Apr.28 (7) L.May 19 (1)	F.Apr.19 (3)	F.Apr.21 (2)	F.May 11	F.May 12 (4)	F.Apr.25 (5,6)	F.May 9 (1)	
Eastern Solitary Sandpiper				F.May 3 (2) L.May 5 (2)	F.May 2 (2)	F.Apr.27 (1,4,5) L.May 19 (5)	F.May 1 (2)		F.Apr.28 (1) L.May 11 (4)	F.Apr.26 (6) L.May 24 (6)	F.Apr.27 (1) L.May 14 (1)	F.May 16 (1)
Greater Yellow-legs					L.May 18 (7)	F.Mar.23 (1) L.May 14 (3)	F.Mar.30 (1) L.May 15 (5)		F.Apr.20 (3)	F.Apr.23 (6) L.May 29 (6)	F.Apr.27 (1) L.May 11 (1)	F.May 4 (1)
Lesser Yellow-legs						F.Apr. 7 (1) L.May 21 (3)			F.Apr.20 (3)	F.Apr.26 (3)	F.Mar.24 (1) L.May 25 (1)	
Pectoral Sandpiper				F.Apr.17 (2)	F.Apr.26 (7) L.May 4 (7)	F.Mar.30 (1) L.May 21 (9)	F.Apr.26 (1)				F.May 4 (1) L.May 30 (1)	
Least Sandpiper						F.Apr.28 (4) L.May 21 (4)	F.May 5 (1)		F.May 8 (3)		F.May 18 (1) L.May 30 (1)	
Red-backed Sandpiper						F.Apr.28 (3) L.June 8 (1)	F.May 19 (1)				F.May 25 (1) L.May 30 (1)	
Semipalmated Sandpiper						F.May 4 (1) L.June 8 (1)					F.May 19 (1) L.May 30 (1)	
Sanderling						F.May 16 (1)	F.May 23 (1)				F.May 26 (1)	F.May 11 (3)
Northern Phalarope						F.May 7 (1)					F.May 25 (1)	
Wilson's Phalarope									F.May 8 (3)	F.May 7 (4)	F. May 11 (1)	F.May 16 (3)
Herring Gull					F.Mar. 4 (4)	F.Mar. 3 (7)	F.Mar.21 (6)	F.Apr. 1	F.Mar. 5 (4) L.Apr.21 (3)	F.Mar.16 (2)	F.Mar.21 (1) L.May 30 (1)	F.Apr. 8 (1)
Ring-billed Gull					F.Mar. 4 (4)	F.Mar.10 (1)	F.June 26 (6)			F.Mar.17 (3)	F.Mar.15 (1) L.June 8 (1)	
Bonaparte Gull					F.Apr. 9 (4)	F.Mar.24 (1) L.May 14 (3)	F.Apr. 9 (1)			F.Apr. 9 (6)		
Forster's Tern							F.June 14 (1)		F.May 10 (4)		F.Apr.25 (1)	
Common Tern						F.Apr.24 (3)	F.Apr.10 (4) L.Apr.18 (4)			F.May 4 (6)	F.May 11 (1) L.May 26 (1)	
Caspian Tern						F.Apr.21 (3) L.May 25 (1)	F.May 9 (7) L.May 10 (7)				F.May 26 (1)	F.May 13 (1)
Black Tern						F.Apr.28 (1)	F.Apr.30 (1)		F.May 8 (2) L.May 30 (3)	F.May 7 (4)	F.May 22 (5)	F.May 19 (3)
Mourning Dove				F.Mar. 8 (2)	F.Feb.24 (5)	F.Mar. 2 (7)	F.Mar.19 (2)		F.Mar.24 (3)	F.Mar.23 (1)	F.Apr. 9 (3)	F.Apr.18(1)
Yellow-billed Cuckoo	F.Apr.25	F.Apr.30 (2)	F.May 2 (1)	F.June 20 (2)	F.May 13 (5)	F.May 8 (3)	F.June 21 (1)		F.June 13 (4)	F.May 17 (8)		
Black-billed Cuckoo				F.June 3 (1)	F.May 9 (1)	F.May 9 (9)	F.June 7 (5)	F.June 1	F.June 23 (3)	F.June 8 (1)	F.May 1 (4)	F. May 31 (1)
Whip-poor-will		F.Apr. 4 (2) L.Apr.15 (2)		F.Apr.24 (2)	F.Mar.24 (6)	F.Apr.12 (8)	F.Apr.15 (2)	F.May 11	F.May 30 (2)	F.May 12 (4)	F.May 16 (5)	
Eastern Nighthawk	F.Apr.24	F.May 12 (1)	F.May 12 (2)	F.May 10 (2)	F.Mar.15 (6)	F.May 10 (1,3)	F.May 24 (5,7)	F.May 26	F.May 17 (4)	F.May 12 (1,10)	F.May 15 (4)	F.May 26 (1)
Chimney Swift	F.Mar.25	F.Mar.21 (1)	F.Apr. 4 (1)	F.Apr.26 (2)	F.Apr.20 (3)	F.Apr.19 (8)	F.Apr.24 (1)	F.May 16	F.Apr.25 (3,4)	F.Apr.24 (10)	F.Apr.30 (1)	
Ruby-throated Hummingbird		F.Apr.16 (2)		F.May 12 (1)	F.May 8 (3)	F.May 1 (8)	F.May 9 (1)	F.May 26	F.May 2 (2)	F.May 14 (4)	F.May 26 (5)	F.May 19 (3)
Eastern Belted Kingfisher					F.Mar. 2 (2)	F.Mar.14 (1)	F.Apr. 1 (2)	F.Mar.28	F.Mar.24 (4)	F.Mar.26 (10)	F.Apr. 3 (4)	F.Apr.29 (1)
Flicker			F.Mar.19 (2)	F.Mar.22 (2)	F.Mar. 1 (5)	F.Mar. 3 (5)	F.Mar.22 (8)	F.Apr.18	F.Mar.26 (4)	F.Mar. 3 (9)	F.Mar.27 (4)	F.Apr. 9 (2)
Red-headed Woodpecker			F.Apr.21 (2)	F.May 14 (3)	F.Mar.21 (3)	F.Mar. 3 (1)	F.Feb.23 (2)		F.Mar.10 (3)	F.Mar.19 (10)	F.Mar.30 (1)	F.May 19 (1)
Yellow-bellied Sapsucker				F.Apr. 1 (2) L.Apr.23 (2)	F.Mar.21 (3) L.Apr. 5 (2)	F.Mar.20 (6) L.May 15 (8)	F.Apr.10 (1)	F.Apr.23	F.Apr.11 (1) L.Apr.21 (1)	F.Apr. 2 (6)	F.May 1 (4)	F.Apr.20 (1)

Species	Louisiana	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Eastern Kingbird	F.Apr.10		F.Apr.22 (2)	F.Apr.10 (1)	F.Apr.24 (3)	F.Apr.26 (7)	F.Apr.29 (1)	F.May 19	F.Apr.30 (2)	F.Apr.14 (10)	F.May 9 (4)	F.May 17 (1)
Arkansas Kingbird									F.May 16 (3)		F.May 31 (5)	F.May 22 (2)
Crested Flycatcher		F.Apr.12 (1)	F.May 1 (1)	F.May 9 (2)	F.May 9 (1,2,7) L.May 19 (1)	F.Apr.27 (8)	F.May 9 (1)	F.May 25	F.May 9 (3)	F.May 9 (10)	F.May 5 (2)	F.May 19 (3)
Phoebe			F.Mar. 7 (1)	F.Mar.22 (2)	F.Mar.19 (5) L.May 19 (1)	F.Mar.16 (1)	F.Mar.16 (1)	F.Apr.10	F.Mar.24 (3,4)	F.Mar.11 (9)	F.Apr.13 (2)	F.Apr.22 (1)
Yellow-bellied Flycatcher						F.May 28 (1)	F.May 25 (1)			F.May 26 (1) L.May 27 (1)	F.May 24 (1) L.May 28 (1)	F.June 5 (1)
Acadian Flycatcher						F.May 9 (1)	F.May 31 (1)		F.May 13 (1) L.May 26 (1)		F.June 2 (4)	
Alder Flycatcher						F.May 9 (4)	F.May 25 (1)		F.May 15 (1) L.May 17 (1)	F.May 25 (3)	F.May 8 (1)	
Least Flycatcher					F.May 3 (3) L.May 19 (1)	F.Apr.24 (3) L.May 30 (1)	F.May 10 (1)	F.May 13	F.May 1 (2)	F.May 10 (8,10)	F.May 28 (4)	F.Apr.22 (2)
Eastern Wood Pewee		F.Apr.18 (2)		F.May 11 (2)	F.May 3 (3) L.June 1 (1)	F.Apr.23 (8)	F.May 9 (1)	F.May 28	F.May 18 (2)	F.May 14 (4)	F.Apr.21 (5)	
Olive-sided Flycatcher						F.May 12 (7)	F.May 25 (1,5,6)		F.May 27 (1) L.May 29 (1)	F.May 27 (3)	F.May 3 (4) L.May 26 (1)	
Horned Lark					F.Apr.13 (2) L.May 9 (1)	L.Mar.17 (1)	F.Apr.14 (6) L.May 25 (6)		F.Feb.22 (3)	F.Mar.10 (1)	F.Feb.22 (1)	F.Feb.12 (1)
Tree Swallow			F.May 7 (2) L.May 12 (2)		F.Apr.21 (7) L.May 9 (1)	F.Apr. 3 (5)	F.Mar.29 (1)	F.Apr.22	F.Apr.10 (2)	F.Apr. 2 (9)	F.Apr.20 (1)	F.May 1 (1)
Bank Swallow					F.Apr.24 (2)	F.Apr.14 (8)	F.Apr.24 (1)		F.May 8 (3)	F.Apr. 8 (7)	F.May 5 (5)	F.May 20 (2)
Rough-winged Swallow					F.Apr.23 (5)	F.Apr.13 (8)	F.Apr.21 (1)		F.Apr.25 (4)	F.Apr.25 (3)		
Barn Swallow			F.Apr.28 (2)	F.June 7 (1)	F.Apr.21 (5) L.May 19 (1)	F.Apr.14 (2,5)	F.Apr.26 (6)	F.May 19	F.Apr.20 (2)	F.Apr.15 (7)	F.May 14 (5)	F.May 9 (1)
Cliff Swallow			F.May 10 (2)	F.Apr.21 (2)		F.Apr. 21 (3)	F.May 4 (4)			F.May 23 (3)		F.May 6 (1)
Purple Martin	F.Feb.22		F.Mar.14 (2)	F.Mar.27 (2)	F.Mar.21 (3) L.June 1 (1)	F.Mar.29 (8)	F.Apr. 7 (1)		F.Apr.13 (3)	F.Mar.21 (3)	F.Apr.21 (1)	F.May 24 (1)
Eastern House Wren			F.Apr.23 (1,2)	F.Apr.25 (2)	F.Apr.15 (3)	F.Apr. 2 (5)	F.Apr.20 (4)	F.May 8	F.Apr.27 (3)	F.Apr.24 (8,10)	F.Apr.26 (1)	F.May 16 (1)
Eastern Winter Wren					F.Mar.29 (4)	L.May 12 (3)	F.Apr. 6 (1)	F.Apr.13		F.Mar.31 (1) L.May 6 (6)		
Bewick's Wren					F.Mar.27 (1) L.Mar.29 (1)	F.Mar.21 (9)						
Carolina Wren					F.Mar.21 (3)	F.Apr. 4 (7)	F.May 29 (1)					
Long-billed Marsh Wren					F.May 11 (2)	F.Apr.13 (8)				F.Apr.14 (10)	F.May 12 (1)	F.May 19 (3)
Short-billed Marsh Wren						F.May 5 (1)					F.May 12 (1)	
Eastern Mockingbird				F.May 30 (2)		F.Mar.29 (8)						
Catbird		F.Apr.15 (1)	F.May 6 (2)	F.May 9 (1,2)	F.Apr.24 (3)	F.Apr.19 (5)	F.Apr.25 (2)	F.June 1	F.May 1 (2)	F.May 3 (9)	F.May 13 (2)	F.May 19 (1)
Brown Thrasher			F.Mar.19 (2)	F.Apr.24 (2)	F.Mar.23 (3)	F.Mar.21 (4,5,8)	F.Apr.16 (2)	F.May 13	F.Apr.21 (4)	F.Apr.20 (9)	F.Apr.26 (2)	F.May 20 (1)
Eastern Robin			F.Feb.11 (2)	F.Feb.15 (3)	F.Mar. 3 (7)	F.Jan. 6 (1,9)	F.Feb.28 (2)	F.Mar.28	F.Feb.15 (2)	F.Mar. 5 (1)	F.Mar.19 (3)	F.Mar.25 (1)
Wood Thrush		F.Apr.26 (2)	F.May 3 (2)	F.May 18 (2)	F.Apr.20 (4)	F.Apr.24 (9)	F.May 8 (1)		F.May 1 (2)	F.May 4 (10)	F.May 13 (2)	
Eastern Hermit Thrush				F.Mar.18 (1)	F.Mar.27 (1) L.Apr.13 (7)	F.Mar.24 (1) L.May 15 (8)	F.Mar.23 (1)	F.Apr.26	F.Apr.10 (3) L.Apr.23 (1)	F.Mar.31 (1) L.May 14 (6)	F.Apr. 8 (1)	F.Apr.21 (1)
Olive-backed Thrush			F.May 3 (1)	F.May 13 (1)	F.Apr.18 (7) L.May 14 (7)	F.Apr.15 (8) L.June 5 (8)	F.May 10 (1)	F.May 22	F.May 8 (3) L.June 5 (3)	F.Apr.27 (1) L.June 2 (1)	F.May 5 (2)	
Gray-cheeked Thrush					F.May 7 (7) L.May 10 (7)	F.Apr.28 (1) L.May 26 (1)	F.May 10 (1)		F.May 12 (4) L.May 19 (4)	F.Apr.27 (1)	F.May 8 (1) L.May 24 (1)	F.May 8 (1)

Species	Louisiana	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Veery				F.May 10 (1)	F.Apr. 8 (5)	F.Apr.28 (1,3) L.May 19 (9)	F.May 10 (5)	F.May 20	F.May 13 (1) L.May 26 (1)	F.May 4 (6) L.May 24 (1)	F.May 11 (1)	F.May 19 (1)
Eastern Bluebird			F.Feb.12 (2)	F.Feb.15 (2)	F.Feb. 1 (3)	F.Feb.15 (8)	F.Mar. 5 (1)	F.May 17	F.Mar.12 (4)	F.Mar.14 (8,9, 10)	F.Mar.15 (2)	F.May 22 (1)
Blue-gray Gnatcatcher		F.Mar.26 (2)			F.May 19 (1)	F.Apr. 9 (5)	F.May 4 (1)					
Eastern Golden-crowned Kinglet				F.Apr.14 (1)	F.Apr. 1 (5)	F.Mar.15 (8) L.May 20 (8)	F.Apr.11 (2) L.June 11 (6)	F.Apr.24 L.Apr.30	F.Apr.11 (1) L.Apr.23 (1)	F.Mar.29 (6) L.May 16 (6)	F.Apr. 9 (1) L.Apr.28 (1)	
Eastern Ruby-crowned Kinglet				F.Apr.14 (2) L.May 18 (2)	F.Apr.19 (1) L.May 9 (1)	F.Apr.14 (1,9) L.May 19 (1,2,9)	F.Apr. 2 (1) L.June 9 (6)	F.Apr.26 L.Apr.30	F.Apr.17 (4) L.May 5 (4)	F.Apr. 5 (4) L.May 26 (6)	F.Apr.14 (1) L.May 19 (1)	F.Apr.19 (1) L.Apr.27 (1)
American Pipit					F.Mar. 4 (4)	F.Apr.14 (7) L.May 19 (1)	F.Apr.26 (1) L.May 28 (6)					F.May 2 (1)
Cedar Waxwing			F.Mar.30 (2) L.May 9 (2)		L.May 27 (3)	F.Feb.25 (5)	F.Feb. 2 (6)	L.June 4	F.Mar.13 (2)	F.May 27 (10)	F.Apr.21 (1)	F.May 30 (1)
Northern Shrike						F.Jan. 5 (8)	L.Feb.22 (6)			F.Apr.14 (4)	F.Mar.15 (1)	
Migrant Shrike				F.Apr. 2 (1)	F.Mar.21 (1)	F.Mar.16 (4)	F.Mar.25 (1)		F.Mar.17 (4)	F.Apr.14 (10)	F.Apr.12 (1)	F.Apr.25 (1)
White-eyed Vireo		F.Apr.10 (1)				F.May 12 (5)						
Yellow-throated Vireo		F.Mar.20 (1)		F.May 12 (2)	F.Apr.28 (4) L.May 26 (1)	F.Apr.27 (1)	F.Mar.10 (1)		F.May 10 (2)	F.May 12 (8,10)	F.May 18 (1)	
Blue-headed Vireo					F.May 8 (1)	F.Apr.26 (3) L.May 15 (9)	F.May 10 (1) L.May 19 (6)	F.May 19	F.May 14 (1) L.May 16 (1)		F.May 18 (1)	
Red-eyed Vireo		F.Apr.22 (1)	F.May 8 (2)	F.May 8 (2)	F.May 10 (1)	F.Apr.27 (9)	F.May 10 (5)	F.May 23	F.May 19 (4)	F.May 11 (5)	F.May 4 (2)	F.May 20 (3)
Philadelphia Vireo				F.May 21 (2)		F.May 30 (1) L.June 2 (1)	F.May 25 (1)				F.May 24 (1)	
Warbling Vireo		F.May 3 (1)		F.May 8 (2)	F.Apr.29 (4)	F.Apr.27 (1)	F.May 8 (1)		F.May 5 (2)	F.May 8 (2)	F.May 12 (1)	F.May 27 (1)
Black and White Warbler		F.Mar.28 (2)		F.May 12 (2)	F.May 8 (2)	F.Apr.27 (4,5)	F.Apr.27 (1,9)	F.May 12 (2)	F.May 2 (3)	F.May 8 (6)	F.Apr.26 (1) L.May 20 (1)	F.May 15 (1)
Prothonotary Warbler					F.May 17 (5)	F.Apr.28 (1)	F.May 12 (8)		F.May 12 (3)			
Golden-winged Warbler				F.May 19 (2) L.May 20 (2)	F.May 9 (1) L.May 12 (1)	F.May 8 (1)	F.May 10 (1)		F.May 15 (1) L.May 17 (1)	F.May 12 (4)		F.May 26 (3)
Blue-winged Warbler					F.May 19 (1)	F.May 1 (9)			F.May 12 (4)			
Tennessee Warbler		F.Apr.24 (1)		F.May 19 (2) L.May 22 (2)		F.May 4 (1) L.May 26 (1)	F.May 13 (1) L.May 28 (7)		F.May 13 (1) L.May 23 (1)	F.May 27 (3)	F.May 11 (1) L.May 31 (2)	
Orange-crowned Warbler						F.May 12 (3) L.May 14 (3)	F.Apr.28 (1)			F.May 10 (1) L.May 24 (1)	F.Apr.24 (1) L.May 24 (1)	F.May 15 (1)
Nashville Warbler				F.May 13 (1) L.May 21 (2)	F.May 9 (1,2)	F.Apr.27 (1) L.May 30 (4)	F.May 10 (5) L.June 20 (6)	F.May 17	F.May 15 (1) L.May 17 (1)	F.May 10 (1) L.May 15 (1)	F.May 12 (1) L.May 24 (1)	F.May 19 (3)
Northern Parula Warbler					F.May 14 (5)	F.May 9 (1) L.June 2 (1)	F.May 10 (1)				F.May 15 (1) L.May 25 (1)	
Eastern Yellow Warbler		F.May 3 (1)	F.May 15 (2)	F.May 12 (2)	F.Apr.24 (4)	F.Apr.25 (1)	F.Apr.26 (1)	F.May 19	F.May 8 (3)	F.Apr.27 (6)	F.May 8 (1,2)	F.May 12 (1)
Magnolia Warbler				F.May 12 (2) L.May 19 (2)	F.May 1 (2) L.May 24 (7)	F.May 1 (3) L.May 30 (1)	F.Apr.28 (8)	F.May 19	F.May 13 (1) L.May 25 (1)	F.May 12 (1) L.June 6 (1)	F.May 11 (1) L.June 7 (4)	F.May 17 (1)
Cape May Warbler				F.May 13 (1)	F.May 9 (1) L.May 19 (1)	F.May 11 (2,4) L.May 20 (4)	F.May 9 (1)		F.May 15 (3)	F.May 13 (8)		F.May 11 (3)
Black-throated Blue Warbler				F.May 12 (2) L.May 14 (2)	F.May 6 (1) L.May 12 (1)	F.May 5 (3) L.May 26 (4)	F.May 12 (2)			F.May 10 (1) L.May 17 (1)		
Myrtle Warbler			F.Mar.24 (1)	F.Apr.14 (2) L.May 19 (2)	F.Apr.15 (2) L.May 19 (1)	F.Apr.16 (1) L.May 19 (2,5)	F.Apr.27 (1) L.June 11 (6)		F.Apr. 8 (2) L.May 17 (3)	F.Apr.15 (8) L.May 25 (6)	F.Apr.14 (1)	F.Apr.21 (1)
Black-throated Green Warbler		F.Apr.24 (1)		F.May 12 (2) L.May 19 (2)	F.May 8 (1) L.May 16 (2)	F.Apr.27 (9) L.May 30 (1)	F.May 4 (1)	F.May 12		F.May 8 (6) L.June 3 (6)	F.Apr.28 (1)	

Species	Louisiana	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Cerulean Warbler						F.May 5 (9)	F.May 15 (1)			F.May 9 (1)	F.May 18 (1)	
Blackburnian Warbler				F.May 12 (2) L.May 19 (2)	F.May 9 (1,7) L.May 18 (2,7)	F.Apr.27 (1) L.May 30 (1)	F.May 9 (1) L.May 15 (2)		F.May 12 (4) L.May 19 (4)	F.May 12 (4)	F.May 28 (4)	
Chestnut-sided Warbler				F.May 12 (2) L.May 19 (2)	F.May 9 (1) L.May 16 (2)	F.May 5 (4) L.May 23 (9)	F.May 10 (1)	F.May 20	F.May 12 (4) L.May 19 (4)	F.May 12 (3)	F.May 18 (1)	
Bay-breasted Warbler				F.May 19 (2) L.May 21 (2)	F.May 9 (1) L.May 14 (2)	F.May 9 (4) L.May 25 (1,2)	F.May 13 (1)		F.May 13 (1) L.May 16 (1)	F.May 14 (4)	F.May 24 (1)	
Black-poll Warbler					F.Apr.29 (7)	F.May 9 (4) L.May 29 (5)	F.May 13 (1,2) L.May 27 (6)		F.May 8 (3) L.May 30 (3)	F.May 15 (8) L.May 27 (8)	F.May 16 (1) L.May 26 (1)	F.May 16(3)
Northern Pine Warbler					F.May 9 (1)	F.May 11 (4)	F.Apr. 27 (1)			F.Apr.20 (10)	L.May 7 (1)	F.May 28(1)
Northern Prairie Warbler					F.May 9 (1)	F.May 11 (4)						
Western Palm Warbler				F.May 12 (2) L.May 19 (2)	F.Apr.27 (4) L.May 12 (1,7)	F.Apr.27 (1) L.May 19 (2,3)	F.Apr.27 (1) L.May 21 (2)		F.May 3 (4) L.May 5 (4)	F.Apr.26 (4,6) L.May 24 (6)	F.Apr.28 (1) L.May 19 (1)	F.May 12 (1)
Ovenbird		F.Apr.17 (2)		F.May 12 (2)	F.May 9 (1) L.May 19 (1)	F.Apr.22 (3)	F.Apr.28 (1)	F.May 13	F.May 12 (3)	F.Apr.27 (6)	F.May 11 (1)	F.May 15(3)
Grinnell's Water-Thrush					F.May 9 (2)	F.Apr.18 (9) L.May 26 (4)	F.May 10 (1)		F.May 5 (4) L.May 17 (1)	F.Apr.26 (6)	F.May 5 (1)	
Louisiana Water-Thrush		F.Apr.22 (1)				F.Apr. 5 (3)			F.May 8 (3)	F.May 10 (1)	F.Apr.30 (2)	
Kentucky Warbler		F.Apr.22 (2)				F.Apr.28 (9)						
Connecticut Warbler				F.May 12 (2) L.May 13 (2)	F.May 11 (7) L.May 16 (7)	F.May 30 (1) L.June 2 (1)	F.May 16 (1)			F.May 17 (10)		
Mourning Warbler					F.May 16 (7)	F.May 11 (4) L.May 30 (1)	F.June 7 (6)	F.May 27	F.May 12 (4)	F.May 17 (8)	F.May 18 (4)	F.May 18(1)
Northern Yellow-throat		F.Mar.30 (1)	F.May 20 (2)	F.May 12 (2)	F.May 4 (2)	F.Apr.27 (1,2,4)	F.May 1 (2)	F.May 19	F.May 12 (3)	F.May 10 (1)	F.May 8 (1)	F.May 18(1)
Yellow-breasted Chat		F.Apr.22 (1)	F.June 8 (2)			F.Apr.28 (9)			F.June 2 (2)			
Hooded Warbler						F.May 10 (6)	F.May 18 (7)					
Wilson's Warbler					F.May 9 (1) L.May 17 (2)	F.May 11 (4) L.June 2 (1)	F.May 13 (1)		F.May 13 (1) L.May 16 (1)	F.Apr.27 (1) L.May 26 (1)	F.May 12 (1)	F.May 18(1)
Canada Warbler				F.May 19 (2) L.May 20 (2)	F.May 24 (5)	F.May 10 (4) L.May 30 (1)	F.May 16 (1)		F.May 13 (1) L.May 19 (1)	F.May 17 (8) L.May 23 (8)	F.May 18 (4)	
American Redstart		F.May 3 (1)		F.May 12 (2)	F.May 9 (1,7) L.May 19 (1)	F.Apr.27 (4)	F.Apr.21 (2)	F.May 19	F.May 8 (3)	F.May 9 (9)	F.May 4 (2)	F.May 18(1)
Bobolink			F.May 10 (2) L.May 16 (2)	F.May 8 (1)	F.May 4 (7)	F.Apr.24 (5,10)	F.Apr.25 (1)		F.Apr.27 (4)	F.May 6 (6)	F.May 1 (4)	F.May 22(1)
Eastern Meadowlark			F.Mar. 3 (2)	F.Mar. 5 (2)	F.Mar. 1 (5)	F.Feb.24 (1,5)	F.Mar. 5 (1)		F.Feb. 3 (2)	F.Mar.15 (2,6,8,10)	F.Mar.15 (1)	F.Mar.28(2)
Western Meadowlark				F.Mar.15 (2)	F.Apr.25 (7)		F.Apr.18 (6)		F.Mar.19 (4)	F.Mar.21 (7)	F.Mar.15 (1)	
Yellow-headed Blackbird									F.Apr.28 (1)	F.Apr. 5 (7)	F.Apr.23 (5)	F.May 13(1)
Red-wing			F.Mar.16 (2)	F.Mar. 5 (2)	F.Mar. 1 (6)	F.Mar. 2 (1,4)	F.Mar. 5 (1,7)	F.Apr.27	F.Mar.10 (2)	F.Mar. 4 (9)	F.Mar.21 (1)	F.Apr.12(1)
Orchard Oriole		F.Apr.12 (1)	F.May 5 (2)	F.May 8 (2)		F.May 8 (9)	F.May 18 (1)		F.May 24 (3)	F.May 12 (9)	F.May 15 (5)	
Baltimore Oriole	F.Apr.20	F.Apr.15 (1)	F.Apr.25 (1)	F.May 8 (1,2,3)	F.Apr.22 (3)	F.Apr.21 (5)	F.Apr.27 (1)		F.May 2 (2)	F.Apr.26 (10)	F.May 8 (5)	F.May 18(1)
Rusty Blackbird				F.Mar.17 (2) L.Apr.20 (2)	F.Apr.17 (2)	F.Mar. 6 (4) L.May 11 (4)	F.Mar.15 (1)		F.Mar. 5 (4)	F.Mar. 8 (9)	F.Apr.11 (1)	F.Apr. 9(1)
Brewer's Blackbird			F.Feb.15 (2) L.Mar.20 (2)							F.Mar.24 (7)	F.Mar.24 (5)	F.Apr.20(1)
Bronzed Grackle			F.Mar.13 (2)	F.Mar.16 (2)	F.Feb.14 (5)	F.Mar.2 (3,4)	F.Mar. 5 (7)	F.Mar.31	F.Mar.13 (4)	F.Mar. 1 (3)	F.Mar.30 (1)	F.Apr. 4(1)
Cowbird			F.Apr.10 (2)	F.Apr. 2 (2)	F.Mar.24 (7)	F.Mar.2 (1)	F.Apr. 4 (2)	F.Apr.26	F.Mar.12 (2)	F.Mar.25 (3)	F.Apr.14 (1)	F.May 7(1)
Scarlet Tanager				F.May 12 (2)	F.May 3 (3)	F.Apr.28 (4,5)	F.May 1 (2)	F.May 27	F.May 1 (2)	F.May 12 (1,2,4,7,8)	F.May 17 (1)	

MISSISSIPPI FLYWAY--Continued

Species	Louisiana	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Summer Tanager		F.Apr.21 (2)			F.May 3 (3)							
Rose-breasted Grosbeak			F.Apr.28 (2)	F.May 11 (2)	F.May 9 (1,2)	F.Apr.25 (3)	F.May 9 (1)	F.May 20	F. May 6 (3)	F.May 9 (8)	F.May 9 (1,2)	F.May 16 (1)
Indigo Bunting		F.Apr.15 (1)	F.May 20 (2)	F.May 12 (2)	F.Apr.30 (5)	F.Apr.27 (1)	F.Apr.25 (2)		F.May 12 (2)	F.May 17 (8)	F.May 26 (1)	
Dickcissel			F.May 7 (2)	F.May 12 (2)	F.Apr.28 (4)	F.May 18 (1)			F.May 25 (3)	F.May 14 (10)	F.May 27 (5)	
Purple Finch					F.Apr.17 (2)	L.May 16 (1)	F.Mar.16 (1)	F.Apr.13	F.Apr.18 (1) L.Apr.21 (1)	F.Mar.31 (3)	F.Mar.26 (1)	F.Apr.22 (1)
Eastern Goldfinch		F.Apr.11 (2)		F.Apr.13 (2)	F.Apr.26 (5)	F.Mar.13 (9)	F.Mar. 31 (1)	F.May 9	F.Mar.17 (3)	F.Mar.21 (6)	F.May 4 (1)	F.May 19 (3)
Red-eyed Towhee				F.Apr.27 (2)	F.Mar.12 (3)	F.Mar. 3 (1,2)	F.Mar. 24 (1)	F.May 22	F.Apr.13 (3)	F.Mar.23 (1)	F.Apr.24 (1)	F.May 11 (1,3)
Eastern Savannah Sparrow						F.Apr. 7 (1,4)	F.Apr. 8 (1)		F.Apr.27 (1) L.May 5 (1)	F.Apr.18 (6)	F.Apr.15 (4)	F.May 1 (1)
Eastern Grasshopper Sparrow					F.Apr.18 (2)	F.Apr.19 (3)			F.June 2 (4)	F.May 27 (3)	F.May 30 (1)	F.May 2 (2)
Henslow's Sparrow						F.Apr.23 (1)				F.June 2 (3)	F.May 30 (1)	
Eastern Vesper Sparrow				F.Mar.24 (2)	F.Apr. 2 (2)	F.Mar.12 (5)	F.Mar.10 (1)		F.Apr. 3 (4)	F.Mar.10 (2)	F.Apr.12 (4)	F.Apr.24 (1)
Eastern Lark Sparrow		F.Apr.21 (2)							F.May 12 (4)		F.May 4 (1)	F.May 9 (1)
Slate-colored Junco			L.Apr.14 (2)	L.Apr.17 (2)	L.May 7 (2)	L.May 12 (5)	L.June 30 (6)	F.Apr. 3 F.Apr.10	L.Apr.23 (1)	F.Mar.18 (3,4) L.May 12 (1) F.Mar.23 (1)	F.Mar.10 (1)	F.Mar.24 (1) F.Mar.15 (1)
Eastern Tree Sparrow			L.Apr.14 (2)	L.Apr. 8 (2)	L.Apr.20 (7)	L.May 5 (3)	L.May 2 (6)	L.Apr.15	L.Apr.22 (1)	L.Apr.20 (1)	L.Apr.22 (1)	L.Apr.30 (1)
Eastern Chipping Sparrow		F.Mar.24 (2)		F.Apr.19 (2)	F.Mar.23 (3)	F.Mar.20 (3)	F.Apr.14 (1)	F.May 7	F.Apr. 1 (2)	F.Mar.21 (9)	F.Apr.12 (4)	F.Apr.16 (2)
Clay-colored Sparrow							F.May 21 (5)				F.May 4 (1)	F.May 8 (1)
Eastern Field Sparrow				F.Mar.24 (2)	F.Mar.16 (3)	F.Mar.20 (3,9)	F.Mar. 3 (1)		F.Mar.31 (2)	F.Mar.31 (2)	F.Apr.24 (1)	
Harris's Sparrow									F.May 11 (4)		F.Apr.12 (4) L.May 27 (5)	F.May 8 (1)
White-crowned Sparrow				F.May 8 (2) L.May 17 (2)	F.May 9 (1,5)	F.Apr.25 (3) L.May 25 (1)	F.May 13 (5,7) L.May 27 (5)	F.May 5	F.May 8 (3)	F.Apr.25 (4)	F.Apr.12 (4)	F.May 7 (1)
White-throated Sparrow				F.Apr.28 (1) L.May 14 (2)	F.Apr.23 (2) L.May 18 (2,7)	F.Apr.14 (1) L.May 19 (1,2)	F.Apr.20 (1)	F.Apr.27	F.Apr.18 (1) L.May 12 (1)	F.Apr.24 (1) L.May 26 (6)	F.Apr.12 (4)	F.Apr.16 (2)
Eastern Fox Sparrow				F.Mar.24 (2) L.Mar.31 (2)	F.Apr.18 (7)	F.Mar. 7 (9) L.Apr.21 (4)			F.Mar.18 (2) L.Apr.21 (1)	F.Mar.23 (1,10) L.Apr.23 (6)	F.Apr. 5 (1) L.Apr.30 (2)	F.Apr.20 (1)
Lincoln's Sparrow					F.Apr. 2 (4)	F.May 19 (1)	F.May 7 (6)			F.May 11 (1) L.May 27 (1)	F.May 3 (1) L.May 14 (1)	F.Apr.27 (1)
Swamp Sparrow						L.Apr.30 (9)	F.Apr.11 (1)		F.Apr.26 (4)	F.Apr.23 (6)	F.Apr.15 (4)	F.Apr.27 (1)
Eastern Song Sparrow		L.May 20 (1)		F.Mar.10 (2)	F.Mar.15 (7)	F.Mar. 3 (10)	F.Mar. 2 (7)	F.Apr. 1	F.Mar.21 (3)	F.Mar.16 (10)	F.Mar. 21 (2)	F.Apr.17 (3)

In the Mississippi Flyway some of the species for which only one date was reported were: The Chuck-will's-widow noted by Miss Sallie Cavaness in Monticello, Arkansas, April 12 ; John J. Schafer reported the Bell's Vireo at Port Byron, Illinois, May 12; a single Golden Plover was noted by D. H. Boyd, of Hobart, Indiana, May 13, while the only record of the Worm-eating Warbler was reported by Mrs. E. C. Gilliland, April 15, at Carlisle, Indiana; A. J. Carlson saw the Hudsonian Curlew at Lakeside, Ohio, April 28; a male European Widgeon was noted April 14 at Toledo, Ohio, by Louis W. Campbell; the Holboell's Grebe was reported by Mrs. Robert I. Bordner, at Hudson, Iowa, April 22; Mrs. W. J. Armour noted five Least Terns at Sioux City, Iowa, April 27; Lulu M. Lunn reported the Old-squaw at Racine, Wisconsin, March 17 while Bernard T. Burkart noted a flock of 15 or more at Sheboygan, March 29, remaining until April 25; F. S. Dayton noted the Common Tern at New London, Wisconsin, May 27; E. D. Swedenborg saw the White-rumped Sandpiper at Minneapolis, May 30; Stuart Criddle, of Treesbank, Manitoba reported the following records: A flock of White-fronted Geese, April 26; two Swainson Hawks, April 13; the Sprague Pipit, May 8; and the Mountain Bluebird, March 23. Two Hudsonian Godwits were noted by C.L. Broley, Winnipeg, Manitoba, May 16, and a Dowitcher on May 14.

Some interesting winter data in this flyway among the waterfowl group were some records from Louis Campbell, Toledo, Ohio; one Pintail, January 27; seven Green-winged Teals, January 7; one Bufflehead, four Lesser Scaup Ducks, eight Canvasbacks, and two Ruddy Ducks, January 5; on this same date 50 American Mergansers were noted and at Cleveland 35 were noted by Margarette E. Morse; one Golden-eye, February 2, and a Red-breasted Merganser, February 9; he also noted at Toledo two Red-tailed Hawks, January 12; one Red-shouldered Hawk, January 27; one Rough-legged Hawk, January 19, and two Sparrow Hawks, January 5; one Belted Kingfisher being seen January 15. N. R. Peabody, of Deer Park, Wisconsin, noted one Red-tailed Hawk, February 4. A flock of 82 Black Vultures were noted at Madison, Indiana, by S. E. Perkins, III, February 15.

Norman Wood reported the Sparrow Hawk at Ann Arbor, Michigan, January 1 where he says it is very rare at this time of the year; he also noted the Belted Kingfisher, January 6 and two Mourning Doves January 1. One Mourning Dove was seen on the same day in Delaware County, Ohio, by H. H. Hipple and he also reported the Yellow-shafted Flicker, January 9. This species was also noted near Crawfordsville, Indiana, February 5, by Mrs. B. T. Sarver. D. H. Boyd reported at Hobart, Indiana, that a female Yellow-bellied Sapsucker was seen on December 25, and another the following day.

The Bronzed Grackle was reported by Norman Wood at Ann Arbor, Michigan, January 1; by Mary E. Hatch at McGregor, Iowa, who saw twelve January 3, and by E. D. Swedenborg at Minneapolis, Minnesota, where two were seen

with a flock of red-wings January 5 and February 2. Two Brewer's Blackbirds wintered at Minneapolis and were last seen January 5. Two red-wings were noted by N. R. Peabody at Deer Park, Wisconsin, February 2. C. E. Swope noted six cowbirds at Vincennes, Indiana, February 1.

The Prairie Horned Lark was noted at Ann Arbor, Michigan, by Norman Wood, January 19, and by H. H. Hipple in Delaware County, Ohio, January 5. The Golden-crowned Kinglet was noted at Ann Arbor, Michigan, January 3 and two were seen by Margarette E. Morse at Cleveland, Ohio, February 16. Four Purple Finches were noted at Blaney, Michigan, by K. Christofferson, February 12, and two seen at Toledo, Ohio, January 12, by L. W. Campbell. The latter reported two Red-eyed Towhees, January 5, and Margarette E. Morse said they wintered at Cleveland, Ohio, noting them last February 6. The goldfinch was reported by H. H. Hipple in Delaware County, Ohio, January 20 and in Toledo, by L. W. Campbell, February 3. Fifteen were noted by O. M. Bryens at McMillan, Michigan, February 2. N. R. Peabody reported one at Deer Park, Wisconsin, February 2. A White-throated Sparrow was noted at Carlisle, Indiana, by Mrs. E. C. Gilliland, February 22.

Key to the Central Flyway

Texas

(1) Albert J. Kern, Somerset N.W. Atascosa Co.
(2) Mrs. Myrtle Braman, Victoria

Kansas

(1) Lem Laird, Harper
(2) Miss Fanny Zimmerman, Bendena
(3) Harrison D. Burchell, Clearwater
(4) Rev. P. B. Peabody, Topeka
(5) Ralph H. Imler, Stockton

Nebraska

(1) C. S. Ludlow, Red Cloud
(2) E. W. Carpenter, Whitman

South Dakota

(1) Adrian Larson, Sioux Falls
(2) A. P. Larrabee, Yankton
(3) W. H. Over, Vermilion

North Dakota

O. A. Stevens, Fargo

Saskatchewan

(1) Laurence B. Potter, Eastend
(2) George Lang, Indian Head
(3) Miss Catherine Dickson, Wiseton
(4) Mrs. Esther W. Cates, McLean

Colorado

(1) W. H. Bergtold, Denver
(2) Edward Hellstern, Fort Morgan
(3) P. L. Jones, Beulah
(4) M. E. Nelson, Durango
(5) Julia E. Wagner, Colorado Springs
(6) Mrs. George J. Bailey, Walden

Wyoming

(1) Otto McCreary, Laramie
(2) Mrs. H. B. Emery, Careyhurst

Montana

Winton Weydemeyer

Alberta

(1) Frank L. Farley, Camrose
(2) Fred H. Pegg, Glenevis
(3) A. D. Henderson, Belvedere

Species	Texas	Kansas	Nebraska	South Dakota	North Dakota	Saskatchewan	Colorado	Wyoming	Montana	Alberta
Common Loon					F.Apr.30	F.Apr.16 (2)				F.May 4 (2)
Horned Grebe						F.Apr.27 (2)				F.May 12 (2)
Eared Grebe				F.Apr.30 (1)			F.Apr.26 (2)	F.May 5 (1)		
Western Grebe						F.Apr.27 (2)		F.Apr. 1 (2)		F.May 12 (3)
Pied-billed Grebe			F.Apr.21 (1)							F.June 2 (2)
White Pelican			F.Mar.25 (1)	F.Apr.14 (1)		F.Apr.17 (3)	F.Mar.10 (5) L.Apr.29 (2)			
Great Blue Heron			F.Mar. 9 (2)	F.May 10 (2)		F.Apr.20 (1)	F.Apr. 6 (4)	F.Mar.19 (1)		F.May 22 (2)
Eastern Green Heron		F.May 26 (5)	F.Apr.19 (1)	F.May 12 (1)						
Black-crowned Night Heron		F.Apr.18 (1)		F.Apr.30 (1)		F.Apr.25 (2)	F.Mar.27 (4)	F.Apr.28 (1)		
American Bittern				F.May 17 (2)		F.May 20 (2)	F.May 28 (2)	F.Apr.20 (1)	F.May 26	F.Apr.27 (3)
Whistling Swan				F.Mar.17 (1)		F.Apr.10 (3)				F.May 2 (3)
Common Canada Goose		F.Feb.21 (2)	F.Feb.20 (1)	F.Feb. 4 (3) L.Apr. 7 (2)	F.Apr.13	F.Apr. 8 (2)	F.Jan.29 (5)		F.Mar.23	F.Apr.22 (3)
Lesser Snow Goose		F.Feb.27 (2)	F.Apr. 2 (1)	F.Mar.17 (1) L.May 19 (1)		F.Apr.12 (3)	F.Mar. 9 (2) L.Mar.20 (2)			F.May 8 (3)
Common Mallard			F.Feb.13 (2)	F.Feb. 9 (3)		F.Mar.26 (2)	F.Mar.26 (6)			F.Apr.11 (1)
Gadwall			F.Mar. 4 (2)	F.Mar.17 (1)		F.Apr.18 (3)	F.Apr. 8 (1)	F.Mar.22 (1)		F.June 2 (2)
Baldpate			F.Mar. 4 (2)	F.Mar.17 (1)				F.Mar.22 (1)		F.May 5 (2)
American Pintail		F.Feb.10 (1)	F.Feb.13 (2)	F.Mar.17 (1)		F.Mar.24 (3)	F.Mar.26 (6)	F.May 22 (2)		F.Apr.11 (1)
Green-winged Teal			F.Mar. 4 (2)	F.Mar.24 (1)			F.Apr. 7 (1,6)			F.Apr.30 (2)
Blue-winged Teal			F.Mar. 4 (2)	F.Apr.14 (1)		F.Apr.17 (4)	F.Apr.21 (6)	F.Apr.28 (1)		F.May 19 (2)
Cinnamon Teal							F.Apr.19 (6)	F.Mar.30 (1)		
Shoveller		F.May 21 (5)	F.Mar.16 (2)	F.Mar.31 (1)		F.Apr.13 (4)	F.Mar. 1 (2)	F.Mar.23 (1)		F.May 12 (2)
Redhead			F.Mar. 4 (2)	F.Mar.17 (1)		F.Apr.18 (3)	F.Apr. 7 (1)	F.Mar.17 (1)		F.May 8 (3)
Canvas-back			F.Mar. 4 (2)			F.Apr.18 (3)		F.Apr.17 (2)		F.Apr.30 (3)
Greater Scaup Duck				F.Mar.31 (1)		F.Apr.18 (3)	F.Apr. 7 (1) L.Apr.10 (1)			
Lesser Scaup Duck			F.Mar. 4 (2)	F.Mar.24 (1)		F.Apr. 3 (2)	F.Apr.19 (6)	F.Mar.23 (1)		F.May 5 (2)
American Golden-eye				F.Mar.17 (1)			F.Mar.10 (2) L.May 24 (2)			F.Apr.20 (3)
Ruddy Duck		F.May 21 (5)	F.Apr.21 (1)	F.Mar.31 (1)			F.Apr.21 (6)			F.May 10 (3)
American Merganser			F.Mar. 4 (2)	F.Mar.17 (1)			F.Apr. 7 (1)			
Red-breasted Merganser				F.Mar.31 (1)				F.Apr.17 (2)		F.Apr.22 (3)
Turkey Vulture		F.May 17 (2)				F.May 1 (2)	F.Apr.10 (4)			
Goshawk (subsp.)							F.May 15 (6)			L.May 14 (2)
Sharp-shinned Hawk				F.Apr.28 (1)		F.May 1 (2)	F.Apr. 7 (6)			F.May 7 (2)
Cooper's Hawk				F.Apr.14 (1)			F.Apr. 7 (6)		F.Apr.20	
Red-tailed Hawk	L.Mar.14 (1)		F.Mar.31 (1)	F.Mar.19 (2)		F.Apr. 9 (3)	F.Mar.10 (1)		F.Mar.25	F.Apr. 4 (1)
Broad-winged Hawk			F.Apr.20 (1)	F.Apr.28 (1)						F.May 11 (2)
Swainson's Hawk	F.Apr.18 (1) L.June 6 (1)	F.May 22 (5)	F.Mar.23 (1)	F.Apr.14 (1)		F.Apr. 4 (2)	F.May 5 (6)			
American Rough-legged Hawk			F.Mar.17 (1)			F.Apr.10 (2)				
Ferruginous Rough-legged Hawk				F.May 12 (1)		F.Apr.12 (1)	F.Mar.24 (6)			
Marsh Hawk	L.Apr.28 (1)		F.Apr.21 (1)	F.Apr.10 (1)		F.Mar.20 (3,4)		F.May 14 (2)		F.Apr. 6 (1)

Species	Texas	Kansas	Nebraska	South Dakota	North Dakota	Saskatchewan	Colorado	Wyoming	Montana	Alberta
Osprey						F.May 6 (2)			F.Apr.16	F.May 2 (3)
Richardson's Pigeon Hawk							F.Feb.21 (2)	L.May 24 (1)		F.Apr.14 (2)
Sparrow Hawk (subsp.)	L.May 21 (1)		F.Mar.22 (1)	F.Mar.24 (2)		F.Apr. 4 (2)	F.Mar.10 (1)	F.Mar.25 (1)	F.Apr.15	F.Mar.29 (1)
Sandhill Crane	L.Apr.14 (1)	F.Mar.22 (1)	F.Mar.15 (1)	F.Apr.20 (2) L.Apr.21 (2)		F.Apr.18 (3)		F.Apr.16 (2)		F.May 8 (2)
American Coot			F.Apr.15 (2)	F.Apr.14 (1)		F.Apr.17 (3)	F.Apr. 7 (1)	F.Apr.17 (2)		F.May 5 (2)
Killdeer		F.Feb.13 (1)	F.Feb.19 (1)	F.Mar.14 (2)	F.Mar.22	F.Apr. 7 (2)	F.Mar.24 (6)	F.Mar.22 (1)	F.Feb.26	F.Apr.11 (1,2)
American Golden Plover		F.May 3 (1)				F.May 22 (3)				F.May 12 (3)
Wilson's Snipe			F.Apr.30 (1)	F.Apr.21 (1)	F.Apr.30		F.May 5 (4)			F.Apr.21 (3)
Long-billed Curlew	F.Feb.24 (1) L.May 3 (1)		F.Apr. 4 (2)			F.Apr.18 (1)		F.Apr. 5 (2)		
Upland Plover	F.Apr.21 (1)		F.Apr. 9 (2)	F.May 7 (1)		F.Apr.29 (4)				
Spotted Sandpiper	F.May 1 (1)		F.May 26 (1)	F.Apr.27 (1)		F.May 12 (1)	F.May 23 (6)	F.May 7 (1)	F.May 25	F.May 17 (2)
Solitary Sandpiper (subsp.)	L.Apr.22 (1)		F.May 4 (1)	F.May 5 (1) L.May 12 (1)		F.May 12 (1)		F.Apr.21 (1) L.May 7 (1)		F.Apr.29 (2)
Western Willet	F.Apr.21 (1)			F.Apr.28 (1)		F.Apr.29 (3)	F.Apr.29 (2)	F.May 5 (1) L.May 26 (1)		
Greater Yellow-legs				F.Apr.28 (1) L.May 19 (1)		F.Apr.22 (4)	F.Apr.10 (4) L.Apr.14 (4)	F.Mar.30 (1) L.Apr.19 (1)		F.Apr.24 (1)
Lesser Yellow-legs				F.Apr.14 (1) L.May 12 (1)		F.May 1 (2)	F.Apr. 7 (1)	F.May 5 (1)		F.Apr.22 (2)
Baird's Sandpiper				F.Apr.14 (1) L.May 19 (1)				F.Mar.22 (1) L.May 25 (1)		
Least Sandpiper				F.Apr. 5 (1) L.May 21 (1)			F.Apr.10 (4)	F.May 5 (1)		
Marbled Godwit						F.Apr.26 (3)		F.May 5 (1) L.May 25 (1)		
Avocet			F.Apr.20 (2)			F.Apr.26 (3)	F.Apr.21 (4)	F.May 5 (1)		
Wilson's Phalarope				F.Apr.28 (1)			F.May 16 (6)	F.May 5 (1)		F.May 18 (2)
Herring Gull				F.Mar.17 (1)		F.Apr.25 (3)				F.Apr.17 (1)
Ring-billed Gull	F.May 4 (1)	F.Apr.18 (5)		F.Mar.17 (1) L.May 12 (1)		F.Apr.16 (2)	F.Apr.19 (6)	F.Mar.22 (1)		F.Apr.11 (1)
Franklin's Gull	F.Apr.17 (1) L.May 4 (1)	F.Apr.15 (5)	F.Apr. 9 (1)	F.Apr.22 (2) L.May 4 (2)		F.Apr.16 (3)	F.Apr.14 (2)			F.Apr.23 (1)
Bonaparte's Gull			F.May 29 (1)							F.May 7 (2)
Forster's Tern			F.May 12 (1)	F.Apr.27 (1)			F.May 21 (6)	F.May 11 (1)		
Black Tern		F.May 19 (5)	F.May 4 (1)	F.May 1 (1)		F.May 19 (2)	F.May 24 (2)	F.May 13 (2)		F.May 17 (2)
Mourning Dove (subsp.)		F.Mar.14 (1)	F.Mar.13 (1)	F.Mar.22 (3)	F.Apr.12	F.May 7 (4)	F.Apr. 9 (4)	F.Apr.15 (2)	F.May 10	
Yellow-billed Cuckoo	F.Apr.26 (2)	F.May 8 (1)	F.May 27 (1)	F.June 17 (2)						
Black-billed Cuckoo		F.June 10 (2)		F.May 30 (1)		F.June 5 (2)				
Nighthawk (subsp.)	F.Apr.13 (1)	F.May 20 (1)	F.May 21 (1)	F.May 27 (1)	F.May 20	F.Apr.17 (4)	F.May 31 (4)	F.June 5 (1,2)	F.June 9	F.May 24 (1)
Chimney Swift	F.Apr.30 (1) L.May 5 (2)	F.May 6 (4)		F.Apr.27 (2)	F.May 16					
Ruby-throated Hummingbird	F.Apr.12 (2)	F.May 15 (4)	F.May 20 (1)			F.June 4 (2)				
Belted Kingfisher		F.Mar.10 (1)	F.Mar.27 (1)	F.Apr. 7 (1)		F.May 2 (1)	F.May 16 (6)		F.Mar.25	F.June 4 (3)
Northern Flicker	L.Apr. 1 (1)	F.Mar.14 (5)	F.Feb.19 (1)	F.Mar. 2 (2)	F.Apr.21	F.Apr.16 (2)	F.Mar.14 (3)	F.Apr.18 (1)	F.Mar.27	F.Apr.24 (1)

Species	Texas	Kansas	Nebraska	South Dakota	North Dakota	Saskatchewan	Colorado	Wyoming	Montana	Alberta
Red-headed Woodpecker	F.Apr.20 (2)	F.Mar.23 (2)	F.Apr. 4 (1)	F.May 5 (1)	F.May 30	F.June 15 (1)	F.Apr. 3 (1)	F.May 27 (1)		
					F.May 6	F.May 2 (2)	F.May 15 (6)		F.Apr.17	F.May 3 (2)
Yellow-bellied Sapsucker										
Eastern Kingbird	F.May 4 (1)	F.Apr.23 (1)	F.Apr.28 (1)	F.May 11 (2)	F.May 19	F.May 18 (1,4)	F.May 6 (2)	F.May 11 (1)	F.May 29	F.May 14 (2)
Arkansas Kingbird	F.Apr. 6 (1)	F.Apr.25 (5)	F.Apr.29 (1)	F.May 8 (2)	F.May 17	F.June 3 (2)	F.May 1 (2)			
Scissor-tailed Flycatcher	F.Mar.20 (2)	F.Apr. 2 (3)								
Crested Flycatcher	F.Apr.19 (2)	F.Apr.25 (1)	F.Apr.28 (1)	F.May 17 (2)						
			F.Mar.28 (1)	F.Apr.13 (2)	F.Apr.21		F.Apr. 1 (4)			F.Apr.26 (3)
Phoebe						F.Apr.26 (1)	F.May 1 (2)	F.Apr.21 (1,2)		F.May 18 (2)
Say's Phoebe	F.Apr. 1 (1)									L.May 29 (2)
			F.May 15 (1)	F.May 15 (1)					F.May 31	F.May 22 (2)
Alder Flycatcher										F.May 3 (1)
Least Flycatcher	L.May 18 (1)	F.May 17 (5)	F.May 1 (1)	F.Apr.30 (1)	F.May 15	F.May 12 (1)				
Wright's Flycatcher							F.May 23 (6)	F.May 10 (1)	F.May 3	
Wood Pewee (subsp.)	F.Apr.19 (2) L.May 28 (1)	F.Mar.27 (2)	F.Apr. 6 (1)	F.May 18 (1)		F.May 13 (4)	F.May 11 (1)	F.May 27 (1)	F.May 22	F.May 16 (1)
					F.May 30			F.June 1 (1)	F.May 26	F.June 16 (2)
Olive-sided Flycatcher	F.May 16 (1) L.May 18 (1)									F.Apr.29 (2)
Horned Lark			F.Jan.18 (1)	F.Mar.17 (2)		F.Feb.17 (3)	F.Mar.10 (1)			L.May 17 (2)
							F.June 4 (3)	F.May 11 (1)		
Violet-green Swallow										
Tree Swallow		F.May 19 (5)	F.May 26 (1)	F.Apr.29 (1)	F.May 10	F.May 11 (2)	F.Apr.21 (4,6)	F.Apr.21 (1)	F.Apr. 3	F.Apr.22 (2)
Bank Swallow		F.May 10 (1,3)	F.Apr.28 (1)	F.Apr.25 (1)		F.May 20 (2)	F.May 12 (4)	F.May 5 (1)		F.June 12 (3)
Rough-winged Swallow			F.Apr.20 (1)	F.May 1 (1)				F.May 11 (1)	F.Apr.20	
Barn Swallow		F.Apr.17 (1)	F.Apr.27 (1)	F.May 2 (1)	F.May 19	F.May 8 (4)	F.May 5 (6)	F.May 5 (1)	F.May 7	
Cliff Swallow	F.Apr.25 (1)	F.May 19 (5)	F.May 20 (1)	F.May 18 (1)		F.May 8 (3)	F.May 27 (6)	F.May 11 (1)	F.May 15	F.June 11 (3)
Purple Martin		F.Mar.23 (4)	F.Apr. 5 (1)	F.Apr. 7 (2)	F.Apr.21	F.June 1 (2)				F.May 19 (2)
Western House Wren	F.Apr.30 (1)	F.Apr.21 (2)	F.Apr.23 (1)	F.Apr.30 (3)	F.May 12	F.May 22 (4)	F.Apr.22 (6)	F.May 17 (2)	F.May 4	F.May 14 (1)
Common Rock Wren							F.May 5 (4)	F.Apr.29 (1)		
Mockingbird	F.Apr. 7 (3)		F.Apr.24 (1)	F.Apr.26 (2)			F.Apr. 7 (4)			
Catbird	F.May 8 (1)	F.Apr.19 (1)	F.May 11 (1)	F.May 12 (1)	F.May 18	F.May 23 (1)	F.May 13 (2)	F.May 22 (1,2)	F.June 1	F.May 12 (1)
Brown Thrasher		F.Apr.21 (2,4)	F.Apr.23 (1)	F.Apr.26 (2)	F.May 8	F.May 17 (1)	F.May 15 (2)	F.June 2 (1)		
Sage Thrasher	F.Apr.12 (1)						F.Apr.19 (6)	F.Apr.15 (1)		
Robin (subsp.)	L.Mar.31 (1)	F.Feb. 5 (4)	F.Jan.12 (1)	F.Feb.26 (2)	F.Mar.21	F.Apr. 3 (2)	F.Apr. 8 (6)	F.Feb.25 (1)	F.Mar. 2	F.Apr.18 (2)
Wood Thrush		F.May 11 (4)	F.May 9 (1)	F.May 8 (2)						
Hermit Thrush	L.Apr.13 (1)				F.Apr.21 L.Apr.28	F.May 22 (3)	F.May 4 (4)	F.May 10 (1)		F.Apr.28 (2)
Olive-backed Thrush		F.May 19 (5)	F.May 18 (1)	F.May 3 (2) L.June 4 (2)	F.May 5	F.Apr.28 (2)	F.May 5 (1) L.June 8 (2)	F.May 10 (1)	F.May 22	F.May 23 (2)
Gray-cheeked Thrush			F.May 3 (1)	F.May 17 (2) L.June 2 (1)	F.May 10 L.May 31			F.May 21 (1) L.May 22 (1)		
Veery	F.Apr.21 (2) L.Apr.28 (2)		F.May 22 (1)		F.May 19			F.May 11 (1)		
Bluebird		F.Feb.20 (2)	F.Apr.12 (1)	F.Mar. 8 (2)	F.May 7	F.June 10 (1)			F.Mar.22	
Mountain Bluebird	L.Mar.25 (1)					F.Mar.18 (2)	F.Feb. 2 (6)	F.Mar.10 (1)	F.Mar.14	F.Apr.17 (2)
Blue-gray Gnatcatcher	F.Mar.11 (1)	F.Apr.16 (1)		F.May 18 (1)						
Golden-crowned Kinglet (subsp.)	L.Feb.13 (1)				F.Apr. 9 L.Apr.23					F.May 5 (2)

Species	Texas	Kansas	Nebraska	South Dakota	North Dakota	Saskatchewan	Colorado	Wyoming	Montana	Alberta
Ruby-crowned Kinglet (subsp.)	L.May 6 (1)		F.Apr.29 (1)	F.Apr.19 (2) L.May 26 (1)	F.Apr.21 L.May 19	F.May 8 (4)	F.May 26 (2)	F.May 11 (1)	F.Apr.16	F.Apr.18 (2)
American Pipit	F.Feb.4 (1)	F.Feb.20 (1)				F.Apr.21 (1) L.May 1 (1)	F.Apr.14 (4)	F.Apr.19 (1)	F.Apr.19 L.May 20	F.Apr.25 (2) L.May 15 (2)
Cedar Waxwing	L.May 1 (2)	L.May 26 (5)	F.May 27 (1)		F.May 29	F.June 2 (2)		F.May 25 (1)	F.June 4	F.June 7 (1)
White-rumped Shrike (subsp.)	L.May 6 (1)	F.Apr.29 (5)	F.Mar.31 (1)	F.Mar.24 (2)	F.Apr.20	F.May 1 (1)	F.Apr. 8 (6)	F.May 7 (1)	L.Apr. 6	F.Apr. 7 (1)
Bell's Vireo			F.May 5 (1)	F.May 30 (2)						
Blue-headed Vireo	F.Mar.24 (2) L.May 6 (1)				F.May 19		F.May 10 (3)		F.May 8	
Red-eyed Vireo		F.May 12 (4)		F.May 21 (1)				F.June 4 (1)	F.May 31	F.May 22 (2)
Warbling Vireo	F.May 6 (1)	F.Apr.24 (1)	F.Apr.28 (1)	F.May 18 (1)	F.May 19	F.June 4 (2)	F.May 13 (2)	F.June 5 (1)	F.May 31	F.May 26 (2)
Black and White Warbler	F.Apr.19 (2) L.May 8 (1)	F.May 21 (5)	F.May 1 (1)	F.Apr.30 (1) L.May 23 (1)	F.May 7 L.May 23	F.May 19 (1)				F.May 18 (3)
Tennessee Warbler			F.May 27 (1)	F.May 12 (1) L.May 26 (1)	F.May 22 L.May 30					F.May 20 (2)
Orange-crowned Warbler	L.May 18 (1)		F.May 2 (1)	F.Apr.26 (2) L.May 26 (1)	F.May 7 L.May 24		F.May 13 (2)	F.May 10 (1)	F.May 9	F.Apr.28 (2)
Nashville Warbler	L.May 4 (1)		F.May 24 (1)	F.May 18 (1)						
Northern Parula Warbler					F.May 17	F.May 10 (4)				
Yellow Warbler (subsp.)	F.Apr.25 (1) L.May 18 (1)	F.May 5 (1,5)	F.May 7 (1)	F.May 10 (2)	F.May 17	F.May 17 (2)	F.May 10 (1,4)	F.May 10 (1)	F.May 6	F.May 17 (2)
Magnolia Warbler		F.May 21 (5)		F.May 15 (1) L.May 30 (1)	F.May 18 L.May 31	F.May 4 (3)				F.May 26 (2)
Cape May Warbler				F.May 12 (1)	F.May 18 L.May 21					
Myrtle Warbler	L.Apr.24 (1)	F.Apr.21 (1) L.May 21 (5)	F.Apr.26 (1)	F.Apr.21 (1) L.May 23 (1)	F.Apr.23 L.May 9	F.Apr.30 (1) L.May 25 (2)		F.May 11 (1) L.May 26 (1)		F.Apr.26 (2)
Audubon's Warbler			F.Apr.26 (1)				F.May 7 (4)	F.May 10 (1)	F.May 3	
Black-throated Green Warbler	F.Apr.21 (2) L.May 4 (1,2)			F.May 5 (2) L.May 24 (2)	F.May 7					
Blackburnian Warbler	F.May 1 (2) L.May 4 (2)			F.May 18 (1) L.May 19 (1)						
Chestnut-sided Warbler	F.Apr.30 (2) L.May 4 (2)			F.May 18 (1)		F.May 26 (3)				
Black-poll Warbler		F.May 20 (5) L.May 24 (5)		F.May 25 (2) L.May 29 (2)	F.May 15 L.May 29	F.May 12 (1)		F.May 19 (1) L.May 26 (1)		
Northern Pine Warbler		F.May 20 (2)		F.May 19 (1)						
Western Palm Warbler				F.May 12 (1) L.May 23 (1)	F.May 7					
Ovenbird		F.May 21 (5)	F.May 23 (1)	F.May 17 (2)	F.May 11	F.May 28 (3)	F.May 19 (2)			F.May 18 (3)
Grinnell's Water-Thrush			F.May 20 (1)	F.May 10 (1) L.May 30 (1)	F.May 8 L.May 15			F.May 12 (1) L.May 26 (1)	F.May 26	F.May 22 (2)
Connecticut Warbler					F.May 29					F.June 3 (2)
Mourning Warbler	F.May 16 (1)	F.May 21 (5)	F.May 20 (1)	F.May 18 (1) L.May 30 (1)	F.June 2					F.June 8 (2)
Macgillivray's Warbler						F.June 9 (3)	F.May 15 (2)	F.May 26 (1)		
Yellow-throat (subsp.)	F.Apr.2 (2) L.May 18 (1)	F.Apr.24 (1)	F.Apr.29 (1)	F.May 12 (1)	F.May 19	F.May 22 (1)		F.May 15 (2)	F.May 17	F.May 31 (2)
Yellow-breasted Chat	F.Apr.12 (2) L.May 5 (2)	F.May 24 (5)	F.May 19 (1)				F.May 13 (2)			

Species	Texas	Kansas	Nebraska	South Dakota	North Dakota	Saskatchewan	Colorado	Wyoming	Montana	Alberta
Wilson's Warbler	F.May 2 (2) L.May 10 (1)			F.May 18 (1) L.May 28 (2)	F. May 7 L.May 31		F.May 22 (2)	F. May 12 (2)		F. June 2 (2)
Canada Warbler	F.Apr.30 (2) L.May 5 (2)	F.Apr.24 (1) L.May 26 (1)		F.May 18 (1) L.May 21 (1)						
American Redstart	F.Apr.30 (2) L.May 16 (1)	F.May 4 (1) L.May 27 (1)	F.May 15 (1)	F.May 12 (1) L.May 26 (1)	F.May 20	F.June 1 (2)	F.May 12 (2) L.May 28 (2)	F.May 10 (1)	F.May 29	F.May 12 (1)
Bobolink		L.June 25 (4)	F.May 17 (2)	F.May 12 (1)	F.May 12	F.May 7 (4)		F.May 13 (2)	F.May 24	
Meadowlark	L.Apr.24 (1)	F.Mar.19 (2)	F.Feb.12 (1)	F.Mar.14 (3)	F.Mar.23	F.Apr. 3 (2)	F.Mar.10 (1)	F.Mar. 8 (2)	F.Mar.16	F.Apr.12 (1)
Yellow-headed Blackbird	F.Apr.21 (1) L.May 22 (1)	F.Apr.28 (5)	F.Apr.28 (1)	L.May 12 (1)		F.Apr.18 (2)	F.Apr. 9 (4)	F.May 5 (1)		F.May 15 (3)
Red-wing		F.Feb.28 (2)	F.Mar. 5 (2)	F.Mar.21 (2)	F.Apr.10	F.Mar.25 (3)	F.Feb. 6 (6) L.Feb.25 (6)	F.Mar. 2 (2)	F.Mar. 7	F.Apr.16 (1)
Orchard Oriole	F.May 2 (2)	F.Apr.24 (5)	F.May 9 (1)	F.May 10 (2)						
Baltimore Oriole	F.Apr.25 (1) L.May 4 (1)	F.Apr.28 (3)	F.May 1 (1)	F.May 8 (2)	F.May 15	F.May 18 (1,4)	F.May 18 (2) L.June 3 (2)			F.May 20 (1)
Bullock's Oriole	F.Apr.15 (1)					F.June 4 (2)	F.May 2 (4)	F.May 12 (1)		
Rusty Blackbird			F.Feb. 5 (1)		F.Apr.12 L.Apr.30		F.Feb.25 (1) L.Mar. 8 (1)			F.Apr.19 (2)
Brewer's Blackbird	L.Apr.29 (1)	F.Apr.28 (3)	F.May 12 (1)	F.Apr.14 (1)	F.Apr.29	F.Apr.25 (2)	F.Apr.14 (3)	F.Apr.19 (1)	F.Apr.22	F.Apr.16 (1)
Bronzed Grackle	L.Apr.12 (1)	F.Feb.28 (2)	F.Feb. 5 (1)	F.Mar.22 (3)	F.Apr.10	F.Apr.16 (2)	F.Apr.19 (2)	F.May 9 (1)		F.Apr.19 (2)
Cowbird (subsp.)	F.Apr.20 (2)	F.Mar.29 (2)	F.Apr.28 (1)	F.Apr.19 (2)	F.May 1	F.Apr.22 (4)		F.May 5 (1)	F.May 16	F.May 10 (2)
Western Tanager							F.May 13 (2) L.June 9 (2)	F.May 26 (1)	F.May 23	F.May 16 (2) L.June 2 (2)
Scarlet Tanager			F.May 16 (1)	F.May 24 (2)		F.June 8 (4)	F.May 13 (2)			
Summer Tanager	F.Apr.15 (1)		F.May 16 (1)				F.May 12 (4)			
Rose-breasted Grosbeak		F.Apr.24 (4)	F.May 1 (1)	F.May 8 (2)	F.May 12	F.May 24 (2)	F.May 31 (2)			F.May 22 (2)
Rocky Mountain Grosbeak		F.Apr.25 (5)	F.Apr.29 (1)				F.Apr.23 (1)	F.May 24 (1)		
Eastern Blue Grosbeak	F.Apr.21 (1)		F.May 9 (1)							
Indigo Bunting		F.May 7 (2)	F.May 11 (1)	F.May 24 (2)						
Lazuli Bunting		F.Apr.21 (5)	F.Apr.30 (1)				F.May 24 (6)	F.May 12 (1)		
Dickcissel	F.Apr.24 (1)	F.May 8 (1)	F.May 26 (1)	F.May 24 (2)						
Purple Finch					F.May 7 L.May 10					F.Apr.20 (2)
Cassin's Purple Finch							F.May 29 (6)	F.May 12 (1)	F.Apr.21	
Goldfinch (subsp.)	L.Mar.25 (1)	F.Mar.10 (2)	F.Feb.11 (1)	F.Mar.15 (2)	F.May 17	F.May 25 (1)	F.May 3 (4)	F.May 21 (1)	F.May 28	F.June 2 (1)
Red-eyed Towhee		F.May 19 (5)	F.Apr.28 (1)	F.Apr.12 (2)				F.May 24 (2)		
Arctic Towhee	* L.Apr. 2 (1)	F.Apr.24 (1)	F.Apr.23 (1)	F.Apr.28 (2) L.June 4 (2)		F.May 12 (1)	F.May 2 (3)			
Lark Bunting	L.Apr.14 (1)	F.May 11 (5)	F.Apr.23 (1)			F.May 17 (1)	F.May 13 (2)	F.May 14 (2)		
Western Savannah Sparrow	L.Apr.24 (1)			F.Apr.19 (2)	F.Apr.23			F.Apr.13 (1)	F.Apr.23	F.Apr.30 (2)
Western Grasshopper Sparrow	F.Mar.18 (1) L.Apr.12 (1)		F.Apr. 5 (1)	F.May 5 (1)		F.May 23 (3)				
Western Henslow's Sparrow			F.Apr.29 (1)	F.May 17 (2)						
Western Vesper Sparrow	L.Apr.30 (1)		F.Mar.14 (1)	F.Apr.17 (1)	F.Apr.21	F.Apr.25 (3)	F.Apr.28 (6)	F.Apr.19 (1)	F.Apr.27	F.Apr.27 (1)
Western Lark Sparrow			F.Apr.25 (1)	F.Apr.26 (1)	F.May 5 L.May 19	F.May 16 (1)	F.May 13 (2)	F.May 9 (2)		
Junco *	F.Feb.13 (1) L.Mar.20 (1)	L.May 4 (1)	L.Apr.19 (1)	F.Mar.24 (3) L.May 3 (2)	F.Mar.23 L.May 5	F.Apr. 1 (4)	L.Mar.11 (1)	F.Mar.29 (2) L.May 9 (1)	F.Mar. 9	F.Apr.10 (2)

*Includes subsp. hyemalis and oreganus

Species	Texas	Kansas	Nebraska	South Dakota	North Dakota	Saskatchewan	Colorado	Wyoming	Montana	Alberta
Gray-headed Junco							L.Apr.11 (6)	F.Mar.31 (1)		
Western Tree Sparrow		L.Mar.24 (2)	L.Apr.29 (1)	L.Apr.30 (1)	F.Mar.24 L.Apr.22	F.Mar. 4 (1) L.May 3 (1)	F.Apr. 4 (2)	L.Apr.12 (1)		F.Apr. 7 (1) L.May 10 (2)
Chipping Sparrow (subsp.)	L.Apr. 1 (1)	F.Apr.24 (1,5)	F.Apr. 5 (1)	F.Apr.16 (2)	F.Apr.27	F.May 11 (2)	F.Apr.24 (2)	F.Apr.30 (1)	F.May 10	F.May 12 (1)
Clay-colored Sparrow	F.Apr.12 (1) L.May 18 (1)	F.Apr.24 (5)	F.Apr.28 (1)	F.Apr.27 (2) L.May 30 (2)	F.May 7	F.May 12 (1)				F.May 16 (3)
Brewer's Sparrow							F.May 20 (6)	F.Apr.30 (1)		
Field Sparrow (subsp.)	L.May 2 (1)		F.May 5 (1)	F.Apr.26 (2)						
Harris's Sparrow	F.Mar. 8 (1)	L.May 19 (5)	L.May 23 (1)	F.May 3 (2) L.May 28 (2)	F.May 5 L.May 30	F.Apr.29 (3) L.May 26 (2)		L.Mar.10 (1)		
White-crowned Sparrow (subsp.)	L.Apr.22 (1)		F.Apr.23 (1)	F.Apr.28 (1) L.May 29 (2)	F.May 7 L.May 24	F.Apr.20 (4)	F.Apr. 3 (4)	F.Apr.21 (1)	F.Apr.29	F.Apr.30 (2) L.May 19 (2)
White-throated Sparrow			F.Apr.29 (1)	F.Apr.21 (1) L.May 18 (1)	F.Apr.23 L.May 24	F.Apr.20 (4)	F.May 16 (2)			F.May 9 (2)
Fox Sparrow (subsp.)					F.May 14	F.Apr.29 (2)	F.May 27 (6)		F.Apr.16	F.Apr.27 (2) L.May 11 (2)
Lincoln's Sparrow	L.May 18 (1)	F.May 19 (5)	F.May 10 (1)	F.Mar.22 (3) L.May 26 (1)	F.May 5 L.May 28	F.May 13 (1)		F.May 11 (1)		F.May 15 (2)
Song Sparrow (subsp.)	F.Apr.30 (2)	F.Apr.24 (1)	F.Apr.12 (1)	F.Mar.24 (3)	F.Apr. 8	F.Apr. 1 (2)	F.Apr. 4 (2)	F.Mar.10 (1)	F.Mar.20	F.Apr.28 (2)

In the Central Flyway, A. J. Kirn reported the Black-chinned Hummingbird at Somerset, Texas, March 28; an Ash-throated Flycatcher, April 5; the Vermilion Flycatcher, March 11; and two male Painted Buntings, April 21; Mrs. Braman, of Victoria, Texas, noted the Acadian Flycatcher as arriving April 21 and remaining until the 30th; the female Hooded Warbler, May 2, and several Sycamore Warblers, April 30.

In Kansas, Miss Zimmerman observed the Hooded Oriole at Bendena, May 30, as well as a Boat-tailed Grackle the first day of February. C. S. Ludlow, of Red Cloud, Nebraska, noted the Blue Goose April 2, the Prairie Falcon April 20, and the Prothonotary Warbler, May 18.

Adrian Larson, of Sioux Falls, South Dakota, reported the Ringed Plover as arriving April 28 and leaving May 19 along with the Baird's Sandpiper which had previously arrived April 14; the White-rumped Sandpiper and the Stilt Sandpiper arrived May 12, the former leaving June 2. The Western Sandpiper that was seen May 23 left the 30th and the Least Tern was noted May 15.

In Saskatchewan, George Lang noted at Indian Head, the California Gull April 20 and the Sora Rail May 18. An Arctic Tern was seen at Wiseton by Miss Catherine Dickson, May 13. Two Le Conte Sparrows were observed at McLean, by Mrs. E. W. Cates, May 29.

In Colorado, the Snowy Heron was noted by Mrs. M. E. Nelson at Durango, May 3 and 4, and she also reported a White-faced Glossy Ibis as arriving May 13 and leaving three days later. She observed the Broad-tailed Hummingbird May 2 which species was also noted May 22 at Walden by Mrs. G. J. Bailey. P. L. Jones, of Beulah, Colorado, noted the Virginia Warbler May 30. The Myrtle Warbler was seen by Mrs. Nelson at Durango as arriving April 23 and leaving three days later. The Green-tailed Towhee was noted at Durango, May 2, by Edward Hellstern at Fort Morgan, May 15 and by Mrs. Bailey at Walden, May 16. The Nuttall's Poor-will was also noted by Mrs. Bailey May 28 and on June 1 by P. L. Jones, of Beulah.

Winton Weydemeyer, of Fortine, Montana observed the Rufous Hummingbird May 26 and the Townsend Warbler May 13. Otto McCreary reported at Laramie, Wyoming, the Pied-billed Grebe, May 11; one Brewster's Egret, April 21; the Mountain Plover, April 18; two Semipalmated Plovers May 5, also one Bonaparte's Gull the same day, and two Hammond's Flycatchers May 25. Mrs. H. B. Emery noted at Careyhurst, five Caspian Terns May 22 and a flock of Bohemian Waxwings, June 6.

In Alberta, Fred H. Pegg, of Glenevis, reported ten White-winged Scoters May 5; five Buffleheads April 28; the Northern Shrike April 20; six Bohemian Waxwings as arriving April 18 and remaining until May 16; two Western Meadowlarks May 19; the Le Conte Sparrow, May 19; and two Swamp Sparrows, May 12.

The records of A. D. Henderson, of Belvedere, were received after the chart for the Central Flyway was completed and ready to be photographed and those species that have earlier dates than the ones in the printed table are given as follows: Loon, May 2; Pied-billed Grebe, May 13; Gadwall, April 27; Baldpate, April 26; Green-winged Teal, April 26; Blue-winged Teal, May 17; Lesser Scaup Duck, April 26; Sharp-shinned Hawk, April 26; Sandhill Crane, May 1; American Coot, April 24; Spotted Sandpiper, May 14; Franklin Gull, April 22; Bonaparte's Gull, May 4; Black Tern, May 12; Say's Phoebe, May 16; Tree Swallow, April 21; American Pipit, April 25; Western Tanager, May 6; White-throated Sparrow, May 8; and Song Sparrow, April 26. He also reported the Holboell's Grebe, May 2; fourteen Surf Scoters, May 20; one Duck Hawk, April 18; three Common Terns, May 14; one Sora Rail, May 19; and seven Eastern Dowitchers, May 14.

A. J. Kirn reported his first record of the Blue-headed Vireo wintering at Somerset, Texas, January 11. He also saw the Yellow-bellied Sapsucker, January 2. The Marsh Hawk was reported by Miss Zimmerman at Bendina, Kansas, January 27. Lem Laird noted one Red-winged Blackbird at Harper, Kansas, January 24. C. S. Ludlow saw 7 red-wings at Red Cloud, Nebraska, January 25, one kingfisher the first day of January, the Rough-legged Hawk, January 4, and the flicker January 27. Mrs. Bailey, of Walden, Colorado, noted the Herring Gull, January 26 and the Cooper's Hawk, December 17. Mr. Hellstern, of Fort Morgan, reported a Prairie Falcon, January 23. Some winter records at Laramie, Wyoming, were the Red-breasted Merganser, December 22; ten Baldpates noted December 8, the Sparrow Hawk December 21; the Brown Thrasher December 31; a Western Robin December 24; one Harris's Sparrow, January 24, and a Song Sparrow, December 15. Mrs. Emery noted at Careyhurst, Wyoming, the kingfisher, December 10; one Northern Skrike, February 23, and a flock of Brewer's Blackbirds, February 2.

Key to the Pacific Flyway

California

(1) J. Kittredge, Jr., Berkeley
(2) R. S. Woods, Azusa
(3) John M. Davis, Eureka
(4) Will C. Colt, Gilroy
(5) Paul S. Bartholomew, Palo Alto
(6) Mrs. Lulu M. Lofberg, Kernville

Oregon

Otto V. Purcell, Weston

Washington

(1) F. W. Cook, Seattle
(2) J. M. Edson, Bellingham

British Columbia

(1) Herbert M. Simpson, West Summerland
(2) Theed Pearse, Courtenay, Vancouver Island

Alaska

Charles Brower, Point Barrow.

Species	California	Oregon	Washington	British Columbia	Alaska
Red-throated Loon	L.Mar.17 (1)	F.May 16	F.Apr.14 (2)		
Holboell's Grebe	F.Mar.31 (6) L.Apr.10 (6)				
Horned Grebe			F.Apr.28 (1)		
Eared Grebe	L.Apr.15 (1)		F.Apr.28 (1)		
Western Grebe	L.Mar.29 (1)				
American Egret	F.Apr.23 (1)				
Little Blue Heron	F.Mar.22 (4)				
Green Heron	F.Apr.30 (1)				
Yellow-crowned Night Heron	F.May 25 (4)				
Common Canada Geese				F.Apr.10 (1)	F.May 31
Black Brant	L.May 27 (3)		L.May 12 (2)	L.May 19 (2)	
Common Mallard			F.Apr.28 (1)		F.June 6
European Widgeon	L.Feb.24 (1)				
Baldpate	L.Apr.30 (1)				
American Pintail	L.Apr.15 (1)				
Green-winged Teal	L.Apr.15 (1)	F.Mar.10			
Redhead	F.Jan. 8 (6) L.Feb.20 (6)				
Canvas-back	L.Apr.15 (1)				
Greater Scaup Duck	L.Apr.15 (1)				
Lesser Scaup Duck	L.Mar.26 (1)				
American Golden-eye	L.Mar.17 (1)				
Buffle-head	L.Apr.15 (2)				
Old-squaw			F.May 7 (1)		F.June 3
Ruddy Duck	L.Apr.15 (1)				
Red-breasted Merganser	L.Jan.27 (1)		F.Apr.28 (1)		
Turkey Vulture	F.Feb.21 (1)				
Goshawk		F.Mar.11			
Sharp-shinned Hawk	F.May 10 (1)				
Western Red-tailed Hawk	F.May 10 (1)	F.Apr. 1			
American Rough-legged Hawk		F.Feb. 4			
Sparrow Hawk	F.Jan. 18 (6)	F.Mar.13		F.Apr.14 (2)	F.May 23
American Coot			F.Apr.28 (1)		
Semipalmated Plover	F.Apr.23 (1) L.May 15 (3)			F.May 11 (2)	
Killdeer	F.Apr. 8 (4)	F.Mar. 3	F.May 26 (1)		
American Golden Plover				L.May 26 (1)	
Black-bellied Plover	F.Apr. 8 (3) L.May 20 (3)		F.Mar.31 (2) L.May 13 (2)	L.May 11 (2)	F.June 17
Surf-bird	F.Apr.27 (3)				

Species	California	Oregon	Washington	British Columbia	Alaska
Black Turnstone	F.Apr.14 (1) L.May 26 (3)				
Hudsonian Curlew	F.Mar.31 (3) L.May 30 (3)			F.May 11 (2) L.May 26 (2)	
Spotted Sandpiper	L.June 2 (1)				
Wandering Tattler	F.Apr.27 (3) L.May 16 (3)				
Western Willet	F.Jan.27 (1) L.Apr.14 (1)				
Greater Yellow-legs			F.Apr.17	F.Apr.14 (2) L.May 29 (2)	
Lesser Yellow-legs			F.Apr.26		
Knot	F.May 14 (3)				F.June 17
Least Sandpiper	L.May 20 (3)			F.Apr.29 (2)	
Red-backed Sandpiper	L.Apr.14 (1)				F.June 17
Long-billed Dowitcher	F.Mar.31 (3) L.May 15 (3)			F.May 10 (2)	
Western Sandpiper	L.May 26 (3)			F.Apr.19 (2)	
Marbled Godwit	F.Apr.14 (1)				
Sanderling	L.Apr.14 (1)		F.Apr.20 (2)		
Avocet	F.Apr.23 (1)				
Black-necked Stilt	F.Apr.30 (1)				
Red Phalarope					F.June 17
Northern Phalarope	F.Apr.10 (3) L.June 14 (3)				
Glaucous-winged Gull	L.Apr.15 (1)		F.Jan.30 (1)		
Herring Gull	L.Mar.10 (1)				
Ring-billed Gull	L.Mar.17 (1)			F.Mar.31 (2)	
Short-billed Gull	L.Mar.10 (1)				
Bonaparte's Gull	L.Mar.27 (1)			F.Apr.29 (2)	
Forster's Tern	F.Apr.15 (1)				
Black Tern	F.Apr.23 (1)				
Band-tailed Pigeon	F.Mar.21 (6)		F.Mar. 9 (2)	F.May 12 (2)	
Western Mourning Dove	F.Mar. 5 (4)	F.May 1			
Western Nighthawk	F.May 25 (4)	F.May 28		F.June 8 (2)	
Black Swift	F.Apr.24 (1)			F.May 30 (2)	
Vaux's Swift	F.Apr.21 (3)			F.May 17 (2)	
White-throated Swift	F.Apr.23 (1)				
Black-chinned Hummingbird	F.Apr.17 (2)				
Rufous Hummingbird	F.Mar.15 (1)			F.Apr.14 (2)	
Allen's Hummingbird	F.Feb. 7 (1)				
Calliope Hummingbird	F.May 10 (1)				
Belted Kingfisher	F.Mar.31 (6)	F.May 20			

Species	California	Oregon	Washington	British Columbia	Alaska
Flicker		F.Feb. 4	F.Jan.30 (1)		
Red-breasted Sapsucker	F.May 10 (1)				
Kingbird		F.Apr.25		F.May 31 (1)	
Arkansas Kingbird	F.Apr.11 (1)	F.May 18		F.May 5 (1)	
Ash-throated Flycatcher	F.May 16 (6)				
Say's Phoebe	L.Mar. 7 (1)	F.Feb.19		F.Feb.25 (1)	
Black Phoebe	F.Feb.19 (6)				
Alder Flycatcher	L.June 2 (1)				
Least Flycatcher	F.May 4 (4)				
Hammond's Flycatcher	F.May 9 (1)				
Western Flycatcher	F.Mar.24 (5)			F.Apr.28 (2)	
Western Wood Pewee	F.Apr.26 (1)			F.May 26 (2)	
Olive-sided Flycatcher	F.May 10 (1)			F.May 24 (2)	
Horned Lark (subsp.)			F.Apr.20 (2)		
Violet-green Swallow	F.Mar.24 (3,5)			F.Mar.30 (2)	
Tree Swallow	F.Feb. 8 (4)		F.Apr.12 (1)	F.Apr. 1 (2)	
Bank Swallow				F.Apr.10 (1)	
Rough-winged Swallow	F.Mar.21 (3)		F.May 26 (1)	F.Apr. 7 (2)	
Barn Swallow	F.Mar.31 (3)	F.Mar.29	F.May 26 (1)	F.Apr.30 (2)	
Cliff Swallow	F.Mar.13 (5)			F.Apr.18 (2)	
Western Martin	F.Apr.24 (1)		F.May 26 (1)		
Western House Wren	F.Apr.20 (6)	F.Feb. 3		F.Apr.28 (2)	
Common Rock Wren	F.May 2 (6)				
Catbird				F.May 28 (1)	
Western Robin	L.Apr. 8 (4)	F.Feb.19	F.Jan.30 (1)	F.Feb.23 (2)	
Varied Thrush	L.Apr. 1 (1)	F.Feb.22			
Hermit Thrush	F.May 9 (1)				
Russet-backed Thrush	F.Apr.21 (1,3)			F.May 18 (2)	
Veery				F.June 1 (1)	
Bluebird	F.Apr. 7 (4)				
Western Bluebird		F.Mar.13		F.Feb.11 (2)	
Mountain Bluebird	L.May 3 (4)	F.Feb.19		F.Mar.12 (1)	
Western Gnatcatcher	F.Apr.26 (1)				
Western Golden-crowned Kinglet	F.Jan. 9 (6)	F.Apr.25			
Western Ruby-crowned Kinglet	L.Apr.12 (1)				
American Pipit	L.Mar.17 (1)			F.Apr.29 (2)	F.June 6
Cedar Waxwing	L.May 2 (1)	F.Feb. 2		F.May 27 (2)	
Phainopepla	F.Apr.13 (2)				

Species	California	Oregon	Washington	British Columbia	Alaska
Northern Shrike		F.Feb. 6			
Cassin's Vireo	F.Apr.21 (3)			F.Apr.12 (2)	
Western Warbling Vireo	F.Mar.27 (5)			F.May 10 (2)	
Orange-crowned Warbler (subsp.)	F.Feb.16 (3)		F.May 7 (2)	F.Apr.14 (2)	
Calaveras Warbler	F.Mar.24 (5)				
Yellow Warbler	F.Apr. 8 (3)	F.May 12		F.May 1 (2)	
Audubon's Warbler	F.Apr.11 (1)			F.Mar. 7 (2)	
Townsend's Warbler	L.Apr. 3 (1)			F.Apr.14 (2)	
Hermit Warbler	F.May 9 (1)				
Yellow-throated Warbler				F.May 1 (2)	
Macgillivray's Warbler	F.June 9 (1)			F.May 5 (2)	
Long-tailed Chat	F.May 8 (4)				
Golden Pileolated Warbler	F.Mar.31 (1)			F.May 12 (2)	
Western Meadowlark		F.Feb.13		F.Mar.15 (1)	
Red-wing (subsp.)		F.Mar.17	F.Apr.28 (1)	F.Mar.30 (2)	
Hooded Oriole	F.Mar.15 (2)				
Bullock's Oriole	F.Mar.31 (2)	F.May 19		F.May 14 (1)	
Brewer's Blackbird	F.Apr.11 (1)	F.Mar. 1			
Dwarf Cowbird	F.May 3 (2)				
Western Tanager	F.Apr.20 (6) L.May 15 (2)	F.June 20		F.May 12 (2)	
Black-headed Grosbeak	F.Apr. 9 (4)	F.May 26		F.May 26 (2)	
Lazuli Bunting	F.May 2 (6)	F.May 18			
Painted Bunting	F.May 8 (4)				
Cassin's Purple Finch	F.Feb.22 (1)	F.May 8			
Goldfinch (subsp.)	F.Apr. 6 (4)	F.May 3			
Lawrence's Goldfinch	F.Mar.12 (2)				
Oregon Towhee		F.May 15			
Western Savannah Sparrow	F.May 11 (1)	F.Apr.11		F.Apr.24 (2)	F.July 16
Western Vesper Sparrow				F.May 1 (1)	
Western Lark Sparrow	F.Mar.24 (5)				
Junco (subsp.)	F.Apr.11 (1)	F.Feb. 8	F.Jan.12 (1)		
Western Chipping Sparrow	F.Apr. 6 (4)			F.Apr.15 (2)	
Black-chinned Sparrow	F.Apr.25 (1)				
White-crowned Sparrow (subsp.)	F.Feb.19 (6) L.Apr.15 (5)	F.Apr.23		F.Apr.20 (1) L.May 18 (1)	
Golden-crowned Sparrow	L.Apr.26 (1,5)			F.Apr.20 (2) L.May 18 (1)	
Lincoln's Sparrow				F.Apr.19 (1)	
Song Sparrow (subsp.)		F.Feb.23			

Of unusual interest were the following records sent in from Charles D. Brower, of Point Barrow, Alaska; the first Snow Bunting was reported April 17; one Glaucous Gull was seen April 23; April 29 a small flock of King Eiders was seen, twelve being counted in this flock; May 19 to 24 flocks of King and Pacific Eiders were going by all the time so that it seemed as if millions were passing; on May 24, large numbers of White-fronted Geese were reported coming down the river to their nesting grounds after having crossed the Endicott Mountains; Spectacled and Steller Eiders together with many Pomarine Jaegers were moving toward the north June 3; one Ruddy Turnstone was taken on May 31; many sandpipers, including Pectoral, Baird's, Buff-breasted, and Semipalmated appeared June 17 to 18; July 16, a few Pacific Godwits were found as well as many Long-tailed Jaegers as far as the Meade River.

The following citations should not in any sense be considered a bibliography but only an attempt to list for the interest of our bird students some of the articles and publications on the subject of bird migration that have appeared in the last year or two:

Bennett, L. J.
1935. The Spring Migration of Shore Birds through Clay and Palo Alto Counties, Iowa. Iowa State College Jour. Sci. 9: 609-616

Davis, William B.
1935. An Analysis of the Bird Population in the Vicinity of Rupert, Idaho. Condor 37: 233-238.

Lincoln, Frederick C.
1935. The Waterfowl Flyways of North America. U. S. Dept. Agr. Circ. No. 342, 12 pp.
-----1935. The Migration of North American Birds. U. S. Dept. Agr. Circ. No. 363, 72 pp.

Shaver, Jesse M., and Crook, Compton.
1935. Birds of the Campus of Peabody College for Teachers, Nashville, Tenn. Jour. Tennessee Acad. Sci. 10: 77-82.
Discussion of some forty spring transients with dates of arrival.

Spawn, Gerald B.
1935. The 1934 Fall Migration of Shore Birds through Clay and Palo Alto Counties, Iowa. Iowa State College Journ. Sci. 9: 617-624.

[Swenk, Myron H.]
1933-1935. The Migration Season [1933, 1934, 1935]. The Nebraska Bird Review, vols, 1, 2, 3,.

Wood, Norman A., and Tinker, A. D.
1934. Fifty Years of Bird Migration in the Ann Arbor Region of Michigan 1880-1930. Occ. Papers Mus. Zool. Univ. Mich. No. 280, 1-56.

Vogt, William (edited by)
1935. "The Season". Bird-Lore.
Summarized statements in each issue of the bird populations of several regions throughout the country, contributed by various observers.