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

March 1, 1937

Bird Migration
Memorandum No. 2.

TO ALL BIRD MIGRATION OBSERVERS
OF THE BIOLOGICAL SURVEY

Since the first number of this series was issued the Biological Survey has received so many commendatory letters from observers and others that the decision has been made to continue tabular analyses of at least the spring migrations as reported by the corps of volunteer observers. The task of tabulating these data is a huge one and it will not be possible to do much more than present the tables.

It also is desired to make these reports a medium for more detailed communication between the Bureau and all observers since a question brought up by one observer, may be of equal interest to many others.

New Observers.--Within the year several new observers have been placed on probation pending receipt of their first reports. If their observations demonstrate that they are fully qualified their names will be placed on the regular list. All these new observers reside in that part of the country south of the Ohio and Potomac Rivers, or west of the Mississippi River. Additional observers for the northeastern section are not needed at present.

Acknowledgement of reports.--As observers are well aware, the letter that usually acknowledges receipt of the records is a form, even though it is individually typed and signed. Obviously these have no permanent value, but they do take time to prepare, and this time might better be spent upon the data themselves. Accordingly, it is hoped that all observers will approve the use of the form post cards, which will be put into service as soon as they can be printed. This method of acknolwedgement has been used for many years in the bird banding work, and has had complete approval of the operators of banding stations.

New Instructions.--"Instructions to Bird Migration Observers" (Bi-817) has been recently multigraphed and mailed to all observers. In case your copy failed to reach you, a post-card request will bring another. It is hoped that all observers will read it carefully, as an attempt has been made to clear up some rather troublesome points.

It will be noticed that the card form that is figured differs slightly from those that have been in use for several years. The Survey has on hand a considerable stock of the old cards and in order to avoid waste it seems desirable to use them up, but the new forms are being printed and will be available for the fall migration.

"Dates".--All observers should bear in mind that a "first date" may

be a "last date", that is, it will sometimes be obvious that the date when a species is first seen is exceptionally late. For example, in the Washington, D. C., region, the average date of the spring arrival of the Yellow-bellied Flycatcher is May 14 and this species has been observed as early as May 9. Accordingly, it would be misleading to list May 25 as a date of arrival even though that might be the date that season when this species was first seen by the observer. The probabilities are that it had merely been overlooked earlier in the month for actually the date of May 25 would be close to the average date of spring departure since in this region this species is only a transient. This illustrates why it is a good idea for every observer to maintain a "bird calendar" or some other ready reference to his own observations.

In memoriam.--Since the first number of this Memorandum was issued, several observers who have rendered long and faithful service, have died.

Dr. William Harry Bergtold, died at his home in Denver, Colo., March 19, 1936, aged seventy years. He began sending his observations to the Survey in 1885.

F. W. Cook, of Seattle, Wash., died February 3, 1936. Observations had been received from him regularly, spring and fall, since 1914.

C. A. Gianini, of Poland, N. Y., died October 31, 1935. The Survey has received data from him regularly since 1912.

E. W. Hadeler, who died at Painesville, Ohio, June 8, 1936, has been reporting since 1914.

James A. Laughlin, of Marshall, Mo., who had sent in records since 1914, died sometime during 1936, exact date not available.

Prof. E. H. Perkins, of Waterville, Maine, died in April 1936. His observations were received regularly since 1905 and this fine record is being continued by his son.

Rev. Charles John Young died May 10, 1936, in his 88th year, at Lansdowne, Ontario. He had sent his migration observations to the Survey regularly since 1905.

The Honor Roll.--Rev. Francis S. Dayton, of New London, Wis., completes fifty years of service as a migration observer with the Biological Survey. This has been a continuous record of observations along a line north and south beginning at Chicago, Ill., where he began his reports in 1882 and continued until 1906. His observations were then received from Oshkosh, Wis., until 1913, when he moved to New London, from which locality the Survey continues to receive his observations for both the spring and fall migrations.

The migration tables.--As in Migration Memorandum No. 1, the data received for the spring migration of 1936 are grouped by States according to the present concept of the four major waterfowl flyways. Obviously, these flyways do not follow the political lines represented by the boundaries of the several States, and accordingly States are included in the flyways in which most of their territories appear to lie. A detailed study

of these data has not been possible, but it is believed that most questionable records have been withdrawn.

Each table is preceded by a key to the observers represented in the tables by numbers in parentheses. Species for which only one or two notes were received and some interesting winter records are given in the form of annotated lists.

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, Pensacola
(4) R. J. Longstreet, Daytona Beach
(5) Theo. R. Standley, Fort Myers

Georgia

(1) Mrs. Anna S. Bassett, Savannah
(2) Mrs. Lewis H. Mounts, Macon

South Carolina

(1) Gabriel Cannon, Spartanburg

North Carolina

(1) Marion A. Boggs, Waynesville
(2) C. S. Brimley, Raleigh
(3) W. L. Hammett, Edneyville

Virginia

(1) H. Martyn Micklem, Variety Mills
(2) Bertha Daniel, Naruna

Maryland

(1) Robert Overing, Landover
(2) The Grachur Club, E. A. McGinity, Baltimore

Pennsylvania

(1) Dr. Harold B. Wood, Harrisburg and Cherry Springs
(2) Clara L. Hershey, Harrisburg
(3) George MacReynolds, Doylestown
(4) Frank L. Burns, Berwyn
(5) John D. Carter, Lansdowne
(6) Raymond J. Middleton, Jeffersonville
(7) Grace A. Morris, Eagle Rock
(8) L. F. Savage, McKeesport
(9) Elizabeth C. Cox, New Hope
(10) Randall Webster, Brookville
(11) Fred Schunk, Scranton
(12) Lottie Buck, Ulysses
(13) Gladys R. Hess, Shohola

New Jersey

(1) Elsie A. Stroley, Morristown
(2) Mrs. Rea Hance, Long Valley
(3) Edward G. Kent, Madison
(4) G. S. Yerbury, Passaic
(5) F. D. Smith, Jr., Morristown
(6) R. D. Connor, Livingston
(7) Percy L. Collins, Milltown

New York

(1) R. E. Horsey, Rochester
(2) Mrs. John McDonald, Corinth
(3) Robert S. Williams, New York City
(4) Florence N. Tyler, Smithtown Branch
(5) Bernard P. Brennan, Brooklyn
(6) S. R. Ingersoll, Ballston Spa
(7) Agnes Blowers, Morrisville
(8) R. T. Clausen, Ithaca
(9) Mrs. Florence Smith, Cincinnatus
(10) Wm. L. G. Edson, Rochester
(11) Mrs. Samuel J. Neff, Port Leyden

Connecticut

(1) Arthur W. Brockway, Hadlyme
(2) Aretas A. Saunders, Fairfield

Rhode Island

H. S. Hathaway, Charlestown

Massachusetts

(1) A. E. Preble, Wakefield
(2) L. R. Talbot, Greenwood
(3) Viola E. Crittenden, Beverly
(4) Harriet N. Farr, Bernardston
(5) R. I. Giles, Marlboro
(6) G. H. Seeley, Stockbridge
(7) Frank S. Oakes, Jr., Bernardston
(8) Mrs. N. P. Richmond, North Middleton
(9) Ethel M. Smith, Amherst

Vermont

(1) 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. C. H. Pratt, Water Village
(5) Allen F. King, Bedford
(6) Mrs. Rachel E. Caughey, Antrim
(7) E. C. Weeks, Sanbornton

Maine

(1) Aaron Marden, Eagle Island, South Harpswell
(2) Evadel M. Pitman, South Portland
(3) Daniel M. French, Livermore Falls

Quebec

William La Brie, Kamouraska

New Brunswick

W. H. Moore, Scotch Lake

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Maryland	Pennsylvania	New Jersey	New York	Connecticut	Rhode Island	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Common Loon		L.May 8 (3)			F.Feb.24 (3) 1/L.May 11 (2)					F.Apr. 4 (10) L.May 3 (8)	L.June 6 (2)	L.June 22	F.Apr.10 (6)			F.May 1 (3)		
Horned Grebe								L.Apr.29 (10)		L.May 3(8,10)	L.Apr.11 (2)							
Pied-billed Grebe					F.Apr.8 (3) L.Apr.23 (3)			L.Apr.13 (2)		F.Apr.5 (10)	F.Apr.5 (2)		F.Apr.1 (2)		F.Apr.10 (1)			
Double-crested Cormorant		L.May 17 (3)			1/F.May 11 (3)						F.Apr.28 (2)					F.Apr.19 (1)		
Gr. Blue Heron								F.Apr.9 (7)	F.Mar.16 (1)	F.Mar.15 (10)	F.Mar.25 (1) L.May 16 (2)		F.Apr.21 (7,9)	F.Apr.27 (3)	F.Apr.21 (4)	F.Mar.29 (1)		F.Apr.6
Lit.Blue Heron		F.Mar.6 (3)																
Eastern Green Heron		F.Mar.22 (3)			F.Apr.7 (3)			F.Apr.7 (8)	F.Apr.8 (5)	F.Apr.26(1,10)	F.Apr.24 (2)		F.May 1(2,6)		F.Apr.12 (2)			
Black-crowned Night Heron								F.Apr.19 (4)	F.Apr.11 (5)	F.Mar.19(5,10)	F.Mar.26 (1)		F.Apr.28 (2)					
Amer. Bittern					F.Apr.7 (3)			F.Apr.22 (10)		F.Mar.29 (10)			F.Apr.16 (6)	F.Apr.21 (2)	F.Apr.23 (1)	F.Apr.27 (3)		
Canada Goose						F.Mar.6 (2)		F.Feb.24 (1) L.Apr.2 (9)	F.Mar.26 (1) L.Apr.22 (1)	F.Mar.3 (1,10) L.Apr.25 (10)	F.Mar.21 (2) L.May 24 (2)	F.Mar.9	F.Mar.20 (5)	F.Mar.30 (3)	F.Mar.20 (2)	F.Mar.23 (1)		
Common Mallard		L.Apr.9 (1)			L.Mar.23 (3)			F.Mar.9 (10)	F.Mar.29(1,5)				F.Apr. 1 (7)					
Black Duck		L.Mar.22 (3)			L.Mar.23 (3)			F.Mar.16 (1) L.Mar.24 (10)					F.Mar.1 (8)	F.Mar.22 (2)	F.Mar.21 (2)		F.Apr. 1	
Gadwall								F.Mar.31 (10)		F.Mar.22(1,10) L.Apr.5 (10)								
Baldpate								F.Mar.12 (1)		F.Mar.1 (10) L.Apr.26 (8)	F.Apr.4 (2)							
Pintail					F.Mar.2 (3) L.Mar.17 (3)			F.Mar.20 (13)		L.Apr.26 (8)								
Gr.-winged Teal								F.Apr.5(10)		F.Apr.2 (10) L.Apr.7 (10)								
Bl.-winged Teal	L.Mar.25 (2)	L.Apr.26 (3)						F.Apr.13 (2)		F.Mar.28(1,10)								
Shoveller								F. Apr.20 (2)		F.Apr.2 (10) L.Apr.7 (10)								
Wood Duck								F.Apr.3 (2)	F.Apr.5 (7)	F. Feb.16 (8) L. Apr.24 (10)	F.Mar.21 (2)		F.Mar.20 (2)					
Ring-neck Duck		L.Apr.5 (3)			L.Apr.13 (3)			F.Mar.16 (1)		F.Mar.15(1,10) L.Apr.25 (10)								
Canvas-back								F.Apr.20 (1)		F.Feb.23(1,10) L.May 3 (8)								
Greater Scaup								F.Mar.29 (2) L.Apr.25 (2)		F.Mar.31 (5) L.May 6 (10)	L.Apr.18 (2)							
Lesser Scaup		L.June 7 (3)			L.Apr.26 (3)			F.Mar.20 (1) L.Apr.13 (10)		L.May 16 (8)								
Golden-eye		L.Mar.22 (3)			F.Mar.2 (3)					L.Apr.26 (8)	L.Apr.11 (2)							
Buffle-head		L.Apr.11 (3)						F.Mar.24 (10) L.Apr.14 (10)		F.Feb.16 (8) L.May 3 (10)	L.Apr.11 (2)					F.Mar.4 (2)		
Old Squaw					L.Mar.30 (3)			F.Feb.22 (1)		L.Apr.24 (10)	L.May 19 (2)							
Ruddy Duck					L.Apr.13 (2)					F.Apr.14 (10) L.Apr.24 (10)								
Hood Merganser		L.Mar.29 (1)			L.Feb.14 (3)			F.Mar.24 (10) L.Mar.29 (10)		F.Mar.25(1,10) L.Apr.26 (10)	F.Mar.14 (2)							
Am. Merganser										L.May 3 (10)	L.Mar.28 (2)		F.Apr.27 (3)			L.May 9 (3)		
Red-br. Merganser		L.May 17 (3)								L.May 4 (10)	L.May 10 (2)	L.May 8						
Turkey Vulture								F. Feb.23 (6)	F.Mar.1 (2)	F.May 3(1,10)								
Eastern Goshawk								L.May 7 (1)		F.Feb.16 (8) L.Mar.28(1,10)								
Sharp-shinned Hawk							F. Feb.18 (1)		F.May 4 (7)	F.Mar.15 (10)	F.Apr.28 (2)		F.Mar.17 (6)	F.Apr.5 (2)	F.Apr.1 (2)	F.May 11 (3)		
Cooper's Hawk					1/Ft. Macon, N. C.			F.Feb.21 (1)	F.Mar.15 (5)	F.Mar.25 (10)			F.Mar.28 (5)	F.Apr.15 (2)	F.Mar.24 (2)	F.Feb.16 (3)		

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Maryland	Pennsylvania	New Jersey	New York	Connecticut	Rhode Island	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Eastern Red-tailed Hawk																		
Red-shouldered Hawk									F.Apr.18				F.Mar.15 (5)	F.May 14 (2)	F.Mar.26 (2)			
Br.-winged Hawk		F.Apr.3 (2)																

ATLANTIC FLYWAY--Continued

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Maryland	Pennsylvania	New Jersey	New York	Connecticut	Rhode Island	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Eastern Red-tailed Hawk									F.Apr.16				F.Mar.15 (5)	F.May 14 (2)	F.Mar.26 (2)			
Red-shouldered Hawk										F.Mar.25 (10)			F.Mar.15 (5)	F.Apr.5 (1)	F.Mar.15 (2)	F.Mar.28 (3)		
Br.-winged Hawk		F.Apr.3 (3)	F.Apr.4 (2)		F.Apr.13 (3)			F.Mar.18 (10)	F.Apr.29 (1)	F.Apr.17 (5)			F.Apr.25 (5)	F.May 17 (2)	F.Apr.28 (2)	F.Apr.26 (3)		
Rough-legged Hawk															F.Mar.17 (2)			
										L.May 15								
Bald Eagle								F.Apr.25 (7)		F.Mar.24 (10) L.May 2 (10)			F.June 2 (5)					F.Apr.9
Marsh Hawk		L.May 10 (1)						F.Mar.2 (13)	F.Mar.15 (7)	F.Mar.8 (10)			F.Mar.16 (6,9)	F.Apr.3 (2)	F.Mar.20 (4)	F.Mar.23 (3)		F.Mar.27
Osprey		F.Feb.15 (3)			F.Apr.7 (3)	F.Apr.5 (2)		F.Apr.15 (7)	F.Mar.17 (5)	F.Mar.29 (5)	F.Apr.18 (2)		F.Apr.16 (6)	F.Apr.27 (3)	F.Apr.21 (1)	F.Mar.27 (1)		F.Apr.19
Duck Hawk	L.Mar.21 (2)	L.Apr.26 (3)						F.Mar.2 (6)							F.Apr.20 (2)			
Pigeon Hawk	L.Mar.21 (2)	F.Mar.28 (1) L.Apr.9 (1)						F.May 20 (10)		F.Apr.30 (5) L.May 3 (1,10)				F.Apr.26 (2)		F.Apr.18 (3)	F.Apr.25	
Sparrow Hawk									F.Mar.15 (5)	F.Mar.14 (8)			F.Mar.13 (1)	F.May 3 (2)	1/F.Apr.18 (3)	F.Apr.21 (1)		
Virginia Rail			F.Apr.13 (1)							F.Apr.25 (10)								
Sora			F.Apr.13 (1)							F.May 10(1,10)			F.Apr.28 (2)					
Fla. Gallinule		F.Mar.22 (3)								1/F.Apr.26 (8)								
American Coot		L.Apr.5 (3)			F.Apr.8 (3) L.Apr.28 (3)			F.Apr.8 (10)		F.Apr.5 (10) L.Apr.26 (10)								
Semi-pal. plover	L.Apr.25 (2)	F.Apr.18 (3) L.May 31 (3)			1/F.May 11 (3)					F.May 10 (10)	F.May 14 (2) L.June 11 (2)	F.May 3 L.June 8	F.May 21 (9)					
Wilson's Plover		F.Mar.22(1,3)			1/F.May 11 (3)													
Killdeer							F.Mar.3 (1)	F.Feb.27 (6)	F.Mar.10 (2)	F.Mar.10(1,10)	F.Mar.5 (1)		F.Mar.15 (3)	F.May 31 (2)	F.Apr.11 (1)			
Golden Plover		F.Mar.6 (3)								F.Apr.29 (10)		F.Apr.26						
Bl.-bel. Plover	L.Apr.25 (2)				1/F.May 11 (3)					L.June 2 (10)	F.May 9 (2) L.June 6 (2)	F.May 4						
Rud. Turnstone	L.May 16 (2)	L.May 17 (3)									F.May 17 (2) L.June 6 (2)	F.May 17 L.June 4						
Woodcock			L.Apr.13 (1)			F.Mar.7 (2)		F.Mar.19 (8)	F.Mar.14 (1)	F.Mar.10 (4)	F.May 9 (1)	F.Mar.23			F.Mar.20 (4)	F.Mar.21 (1)		
Wilson's Snipe	L.Jan 25 (2)	L.Apr.9 (1)	F.Apr.4 (2) L.Apr.28 (2)					F.Mar.15 (6) 1.May 17 (8)	F.Mar.29	F.Apr.11 (10)	F.Apr.25 (2)							
Hudsonian Curlew		F.Apr.19 (4) L.Apr.26 (3)			L.May 16 (3)							F.Apr.26						
Upland Plover		F.Mar.27 (3) L.Apr.10 (3)						F.Apr.26 (3)					F.Apr.27 (9)		F.Apr.20 (1)			
Sp. Sandpiper	L.Apr.25 (2)	L.May 31 (3)	L.Apr.27 (2)		F.Apr.13 (3)			F.Apr.16 (7)	F.May 11 (7)	F.Apr.26 (8)	F.May 9 (2)	F.May 19	F.Apr.29 (6)	F.May 3 (2)	F.May 1 (2)	F.May 18 (1)		
Eastern Solitary Sandpiper		F.Mar.28 (3) L.May 16 (3)	F.Apr.28 (2)					F.Apr.30 (11) L.May 24 (3)	F.May 8 (7) L.May 15 (7)	F.Apr.27 (9)			F.May 11 (9)	F.May 6 (3)	F.May 17 (2,7)	F.May 23 (3)		
Western Willet	L.Jan.25 (2)																	
Gr. Yellow-legs	L.Jan.25 (2)	L.May 16 (4)			L.May 6 (3)			L.May 10 (3)	F.May 2 (5) L.May 17 (7)	F.Apr.11 (10) L.May 6 (10)	F.Apr.22 (1) L.May 29 (2)	F.Apr.26 L.June 19	F.Apr.29 (2) L.May 31 (2)			F.May 27 (2)	F.May 8	
Lr. Yellow-legs	L.Jan.25 (2)	F.Mar.5 (3) L.May 3 (3)								F.Apr.19 (8) L.May 6 (10)					F.May 1 (1)			
American Knot		F.Apr.26 (1) L.May 24 (1)			1/F.May 11 (3)						F.May 25 (2)	F.June 5 L.June 11						
Pectoral Sandpiper		F.Mar.27 (3)								F.Apr.29 (10)								
Least Sandpiper	L.Jan.25 (2)	L.May 17 (3)			F.Apr.29 (3) 1/L.May 11 (3)					F.May 10(1,10) L.May 31 (10)	F.May 15 (2) L.May 31 (2)	1/F.May 2 L.June 11	F.May 21 (9)					
Red-backed Sandpiper		L.May 21 (1)	L.May 10 (1)								F.May 23 (2)		1/F.May 24 (2)					
Western Dowitcher		L.May 8 (3)			1/L.May 11 (3)						F.May 22 (2) L.May 30 (2)	F.May 3 L.June 5						
Semipalmated Sandpiper		F.Apr.9 (1)			F.May 6 (3)				F.May 16 (5)		F.May 16 (2) L.June 11 (2)	F.May 28 L.June 9	F.May 15 (9)					
Sanderling		L.May 31 (3)			1/F.May 11 (3)						F.May 15 (2) L.June 6 (2)	F.May 14 L.June 11						
					1/Ft. Macon, N. C.					1/Black Lake		1/Little Compton	1/Ipswich		1/Alton			

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

ATLANTIC FLYWAY---Continued

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

1/Flagler Co., Fla.
2/Levy Co., Fla.

1/Cherry Springs, Va.

1/Carolina, R.I. 1/South Gardner, Mass.
2/Little Compton, R. I.

Species	West Indies	Florida	Georgia	South Carolina	North Carolina	Virginia	Maryland	Pennsylvania	New Jersey	New York	Connecticut	Rhode Island	Massachusetts	Vermont	New Hampshire	Maine	Quebec	New Brunswick
Tennessee Warbler								F.May 2 (8) L.May 19 (4)	F.May 7 (4)	F.May 12 (8)	F.May 16 (2) L.May 30 (2)		F.May 16 (3) L.May 18 (2)	F.May 11 (1)		F.May 25 (3)		
Nashville Warbler								F.Apr.30 (10) L.May 17 (10)	F.May 6 (1)	F.May 2 (8) L.May 7 (1)	F.May 8 (2) L.May 13 (2)		F.May 1 (2)	F.May 3(1,2)	F.Apr.29 (2)	F.May 8 (3)		F.May 7
Parula Warbler	L.Apr.18 (2)	F.Mar.4 (5)	F.Apr.30 (2)		F.Apr.29 (3)	F.Apr.23 (2)		F.May 2 (10) L.May 10 (3)	F.May 3(2,5) L.May 15 (7)	F.Apr.26 (5)	F.May 15 (2) L.May 25 (2)		F.May 2 (2)	F.May 8 (1)		F.May 7 (1)		
Eastern Yellow Warbler		F.Apr.5(3,5)	F.Apr.26 (2)	F.Apr.19	F.Apr.26 (3)	F.Apr.17 (2)		F.Apr.28 (8)	F.Apr.28 (4)	F.Apr.27 (3)	F.May 4 (2)	F.May 5	F.May 1 (2)	F.May 1 (3)	F.May 2 (1)	F.May 8 (3)	F.May 18	
Magnolia Warbler					F.May 9 (4)		F.May 9 (1) L.May 10 (1)	F.May 2 (10) L.May 24 (6)	F.May 7 (4) L.May 18 (7)	F.May 3 (8)	F.May 8 (2) L.May 26 (2)		F.May 4 (9)	F.May 9 (2)	F.May 9 (2)	F.Apr.28 (3)		
Cape May Warbler		F.Apr.13 (2) L.May 5 (4)	F.Apr.24 (2) L.Apr.30 (2)	F.Apr.28	F.Apr.29 (1) L.May 10 (1)				F.May 7 (2)	F.May 3(1,10) L.May 16 (8)								
Bl.-throated Blue Warbler	L.Feb.8 (2)	F.Mar.4 (5) L.May 5 (4)		F.Apr.19	F.May 6 (3)	F.May 11 (2)		F.May 1 (10) L.May 18(4,6)	F.May 7 (4) L.May 9 (7)	F.Apr.28 (3)	F.May 7 (2) L.May 19 (2)		F.May 5 (9) L.May 16 (2)	F.May 3 (2)	F.May 5 (1)	F.May 12 (1)		F.May 7
Myrtle Warbler	L.Feb.1 (2)	L.Apr.26(1,3)	L.May 5 (2)		L.Apr.29 (3)	L.May 6 (2)	L.May 3 (1)	F.Apr 20 (9) 1/L.May 19 (1)	F.Apr.18 (7) L.Apr.26 (7)	F.Apr.16 (5) L.May 16 (8)	L.May 17 (2)		F.Apr.21 (9)	F.Apr.27(2,3)	F.Apr.26 (1)	F.Apr.29 (1)	F.Apr.30	F.May 2
Bl.-throated Green Warbler		F.Apr.5 (3) L.Apr.24 (3)			F.May 9 (4)	F.Apr.30 (2)		F.Apr.28 (10) L.May 17 (6)	F.Apr.30 (7) L.May 8 (7)	F.Apr.27 (3)	F.Apr.27 (2)		F.Apr.29 (7)	F.Apr.30 (2)	F.Apr.30 (2)	F.May 9(1,3)		
Cerulean Warbler		F.Apr.4 (3)						F.May 7 (8)		F.May 10(1,10)								
Blackburnian Warbler		F.Apr.5 (3)						1/F.May 3(1,8)	F.May 10 (5)	F.May 2(8,9)	F.May 18 (2) L.May 23 (2)		F.May 8(6,9)	F.May 7 (2)	F.May 23 (2)	F.May 8 (3)		
Yel.-throated Warbler		F.Mar.1 (1)	F.Apr.11 (2)		F.Mar.23 (3)													
Chestnut-sided Warbler					F.May 1 (1)	F.Apr.28 (2)		F.Apr.30 (11) L.May 26 (6)	F.May 1 (1) L.May 22 (7)	F.Apr.27 (3)	F.Apr.30 (1)		F.May 3(2,3,5,6)	F.May 7(3)	F.May 5 (4)	F.May 13 (3)		
Bay-breasted Warbler								F.May 2 (10) L.May 15 (10)	F.May 8 (4)	F.May 12(1,10)	F.May 20 (2) L.May 23 (2)		F.May 16(2,3,5)	F.May 16 (2)		F.May 21 (3)		
Black-poll Warbler		F.Apr.22 (4) L.May 16 (1)	F.Apr.26 (2) L.May 5 (2)	F.Apr.22	F.Apr.29 (3) L.May 22 (3)	F.May 7 (2)	F.May 3 (1)	F.May 2 (10) L.June 10 (9)	F.May 8(2,7) L.May 27 (7)	F.Apr.30 (5)	F.May 11 (1) L.June 3 (2)		F.May 8 (3)	F.May 13 (2)	F.May 12 (2)	F.May 13 (3)		
Northern Pine Warbler								F.May 3 (8) L.May 15 (8)	F.Apr.18 (7) L.Apr.26 (7)	F.Apr.16(3,5)	F.Apr.18 (2) L.May 17 (2)		F.Apr.20 (8)	F.Apr.28 (1)				
Mo. Prairie Warbler	L.Mar.21 (2)		F.Apr.11 (2)		F.Apr.26 (3)	F.Apr.15 (2)	F.Apr.20 (1)		F.May 15 (7)	F.Apr.27 (5)	F.Apr.30 (1)	F.May 7	F.May 3 (2,3)		F.May 12 (1)			
Yel. Palm Warbler		L.Apr.25 (1)	L.Apr.27 (2)				F.Apr.26 (1)	F.Apr.21 (6) L.May 5 (9)	F.Apr.15 (1) L.Apr.25 (7)	F.Apr.15 (5) L.May 19(1,10)	F.Apr.18 (2) L.Apr.28 (2)	1/F.Apr.10	F.Apr.21 (9)	F.May 18 (1)	F.Apr.16 (1) L.Apr.26 (1)	F.Apr.17 (2)		
Oven-bird	L.Mar.7 (2)	L.Apr.25 (3)	L.May 4 (2)	F.Apr.26	F.Apr.16 (3)	F.Apr.25 (2)	F.Apr.27 (1)	F.Apr.29 (8)	F.Apr.29 (1)	F.Apr.28 (3)	F.May 2 (1)	F.May 7	F.May 1 (2)	F.May 3 (2)	F.May 2(2,4)	F.May 8 (3)		
Northern Water-thrush	L.Mar.26 (2)	F.Apr.12 (5)			F.Apr.29 (3)			F.May 8 (6) L.May 21 (6)	F.May 12 (7) L.May 24 (7)	F.Apr.28 (3)	F.May 7 (2) L.May 28 (2)		1/F.Apr.30 (2)	F.May 3 (2)	F.Apr.30 (1)	F.May 9 (3)		
Louisiana Water-thrush		F.Apr.15 (5)	F.Apr.11 (2)					F.May 10 (9)	F.Apr.8 (5)	F.Apr.19 (8)	F.Apr.18 (2)							
Ky. Warbler		F.Apr.3 (5)	F.Apr.26 (2)		F.Apr.29 (3)			F.May 3 (8)					F.May 24 (5)			F.May 15 (3)		
Mourning Warbler								F.May 4 (8)		F.May 12(1,10)	F.May 26 (2) L.June 5 (2)		F.May 26 (2)	F.May 23 (2)				
Yellow-throat (Subsp.)	L.Mar.12 (2)	L.Apr.16 (5)		F.Apr.6	F.Mar.30 (3)	F.Apr.15 (2)	F.Apr.26 (1)	F.Apr.28 (6)	F.May 2 (5)	F.Apr.28 (5)	F.May 4 (2)	F.May 12	F.May 1 (2)	F.May 9 (2)	F.May 3 (2)	F.May 8 (3)	F.May 18	
Yel.-br. Chat			F.Apr.20 (2)	F.Apr.21	F.Apr.26 (3)	F.May 27 (2)		F.May 2(8,9)	F.May 8 (7)		F.May 7 (2)		F.May 11 (5)					
Hooded Warbler		F.Mar.28 (3)	F.Mar.31 (2)		F.May 12 (4)	F.May 4 (2)		F.May 10 (8)	F.Apr.30 (7) L.May 1 (7)	F.May 9 (3)	F.May 6 (2)							
Wilson's Warbler						F.May 16 (2)		F.May 12 (9) L.May 18 (6)	F.May 7 (4)	F.May 16 (8) L.May 31(1,10)	F.May 23 (2) L.May 27 (2)		F.May 10 (9)	F.May 16 (2)		F.May 9 (3)		
Canada Warbler						L.May 25 (2)		F.May 2 (10) L.May 23 (6)	F.May 9 (5)	F.May 8(5,9)	F.May 12 (2) L.May 26 (2)	2/F.May 3	F.May 5 (5)	F.May 14 (2)	F.May 22 (1)	F.May 15 (3)		
Amer. Redstart	L.Apr.19 (1)	F.Apr. 4 (3) L.May 26 (3)	F.Apr.11 (2)	F.Apr.26	F.Apr.29 (3)	F.Apr.25 (2)		F.Apr.29 (10) L.May 29 (6)	F.Apr.29 (2)	F.Apr.29 (5)	F.Apr.30 (1)	2/F.May 3	F.May 1 (2)	F.May 4 (2)	F.May 7 (4)	F.May 8 (3)		
Bobolink		F.Mar.17 (5) L.May 13 (1)	F.Apr.30 (1)	F.Apr.29	F.May 6 (3)			F.May 2 (2) L.May 10 (6)	F.May 2 (5)	F.May 1 (8)	F.May 1 (1)		F.May 3(5,6)	F.May 5 (1)	F.May 3 (7)	F.May 8 (3)	F.May 8	F.May 10
E. Meadowlark							F.Mar.5 (1)	F.Mar.8 (3)	F.Mar.8 (5)	F.Mar.18 (7)			F.Mar.17 (5)	F.Mar.21 (3)	F.Mar.24 (2)	F.May 11 (2)		
E. Red-wing						F.Mar.9 (2)		F.Mar.4 (6)	F.Mar.5 (7)	F.Mar.10(1,10)	F.Mar.8 (2)	F.Mar.10	F.Mar 2 (8)	F.Mar.18 (2)	F.Mar.16 (2)	F.Mar.31 (3)	F.Mar.30	
Orchard Oriole		F.Mar.24 (3)	F.Apr.11 (2)	F.Apr.25	F.May 3 (3)	F.May 1 (2)		F.May 1 (9)	F.May 7 (7)		F.May 9 (2)		F.May 18)			F.May 17 (2)		
Baltimore Oriole					F.May 3 (1)		F.May 3 (1)	F.Apr.28 (7)	F.May 6 (4)	F.May 1(5,8)	F.May 2 (1)	1/F.May 6	F.May 1 (8)	F.May 8 (1)	F.May 7(2,6)	F.May 11 (2)		
Rusty Blackbird			L.Apr.12 (1)			F.Apr.11 (2)		F.Mar.17 (2) L.May 4 (2)	F.Mar.20(7) L.Apr.23(7)	F.Mar.17 (9) L.Apr.25 (10)	F.Mar.15 (2) L.Apr.19 (2)		F.Mar.21 (2) L.Apr.29 (2)	F.Apr.21 (2)	F.Mar.16 (2)	F.Mar.31 (3)		F.Mar.24

1/Cherry Springs, Pa.
1/Cranston, R. I. 1/Freetown, Mass.
2/Little Compton, R. I.

Rusty Blackbird			L.Apr.12 (1)			L.Apr.11 (2)		F.Mar.17 (2) L.May 4 (2) 1/Cherry Springs, Pa.	F.Mar.20(7) L.Apr.23(7)	F.Mar.17 (9) L.Apr.25 (10)	F.Mar.15 (2) L.Apr.19 (2)		F.Mar.21 (2) L.Apr.29 (2)	F.Apr.21 (2)	F.Mar.16 (2)					

1/Cranston, R. I. 1/Freetown, Mass.
2/Little Compton, R. I.

ATLANTIC FLYWAY--Continued

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

1/Cherry Springs, Pa.

1/S.Kingston, R. I.
2/Cranston, R. I.

Acadian Sparrow.--A number were noted at Eagle Island, South Harpswell, Maine, May 18, by A. Marden.

Sharp-tailed Sparrow.--At Fairfield, Conn., a flock of 12 were seen May 23, by A. A. Saunders; one was noted at Charlestown, R. I., May 19, by H. S. Hathaway.

Seaside Sparrow.--A flock of 12 were noted at Fort Macon, N. C., May 11, by C. S. Brimley and several others; two were reported at Fairfield, Conn., May 9, by A. A. Saunders.

There were some very interesting winter records in this flyway to which attention may be called.

Gannet.--A flock of about 60 were noted in St. John's County, Fla., January 25, by R. C. Hallman.

Blue Goose.--Francis M. Weston reported a flock of three adults and four immatures seen frequently by several observers from February 2 to 16 in brackish marshes at the head of Escambia Bay, Fla.

Common Mallard.--A flock of 20 noted at Ithaca, N. Y., January 12, by R. T. Clausen.

Golden-eye.--A flock of 12 was seen at Harrisburg, Pa., January 3, by Dr. H. B. Wood.

White-winged Scoter.--Two were reported at Ithaca, N. Y., January 12, by R. T. Clausen.

American Scoter.--One was seen on the same date as above.

American Merganser.--Seven were noted at Harrisburg, Pa., February 3, by Dr. Wood; a flock of 25, at Ithaca, N. Y., January 12, by R. T. Clausen, and three seen at Stockbridge, Mass., February 8, by G. H. Seeley.

Red-breasted Merganser.--Dr. Wood reported four at Harrisburg, Pa., February 3.

Sharp-shinned Hawk.--One was seen at Harrisburg, Pa., January 10, by Clara Hershey.

Red shouldered Hawk.--One noted at Harrisburg, Pa., January 30, by Dr. Wood.

Osprey.--Francis M. Weston reported one at Pensacola, Fla., January 26 which was his second winter record in 20 years.

White Gyrfalcon.--One noted at Chili Center, N. Y., January 21, by E. H. Short.

Duck Hawk.--Two were seen at Ithaca, N. Y., January 12, by R. T. Clausen.

Eastern Pigeon Hawk.--At Rochester, N. Y., one was seen February 27, by W. L. G. Edson.

Coot.--Four were seen at Ithaca, N. Y., January 12, by R. T. Clausen.

Killdeer.--One was noted at Doylestown, Pa., February 9, by G. MacReynolds.

Eastern Belted Kingfisher.--Noted in Pennsylvania at Harrisburg, January 7, by Dr. Wood and at Brookville, January 10, by R. Webster; at Stockbridge, Mass., December 10, by G. H. Seeley.

Northern Flicker.--One was seen in Doylestown, Pa., February 2, by G. MacReynolds.

American Three-toed Woodpecker.--A. E. Preble noted this rare winter visitor February 19 on Mt. Chocorua, N. H.

Glaucous Gull.--In New York one was seen at Rochester, January 3, by W. L. G. Edson and at Ithaca, January 12, by R. T. Clausen.

Great Black-backed Gull.--Noted in New York at Rochester, January 1, by W. L. G. Edson and at Ithaca, January 12, by R. T. Clausen.

Least Tern.--Six were noted at New Smyrna, Fla., February 29, by S. R. Ingersoll.

Prairie Horned Lark.--One was seen in Rochester, N. Y., January 12, by W. L. G. Edson.

Hermit Thrush.--One was reported at Rochester, N. Y., by R. E. Horsey and W. L. G. Edson, February 28.

Eastern Bluebird.--Four were seen at Smithtown Landing, N. Y., February 15, by F. N. Tyler.

American Pipit.--A flock of 13 were noted in Naruna, Va., February 28, by Bertha Daniel.

Eastern Red-wing.--A female was noted at Harrisburg, January 1 and 7, by Dr. Wood.

Painted Bunting.--Two males were seen at New Smyrna, Fla., February 26, by S. R. Ingersll.

Eastern Purple Finch.--F. M. Weston reported one at Pensacola, Fla., February 10 and that a flock of 17 of both sexes were seen daily from February 17 to April 12 at a feeding station 40 miles north of Pensacola.

Hoary Redpoll.--One was noted at Kamouraska, Que., January 30, by W. La Brie, which was his first record of the species.

Eastern Goldfinch.--Noted in Ithaca, N. Y., February 8, by R. T. Clausen and in Burlington, Vt., January 21, by A. S. Reynolds.

Swamp Sparrow.--One was seen in Rochester, N. Y., January 1, by W. L. G. Edson.

Song Sparrow.--In New York, five were reported in Rochester, January 1, by W. L. G. Edson and one in Ithaca, January 12, by R. T. Clausen.

Key to the Mississippi Flyway

Louisiana

(1) H. H. Kopman, New Orleans
(2) John M. McBryde, New Orleans
(3) Robert Butler, Bains

Mississippi

Sue Davidson, Edwards

Arkansas

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

Missouri

(1) Charles W. Tindall, Independence
(2) Dr. Ferdinand Shryman, Concordia
(3) R. Bennitt, Columbia

Illinois

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

Indiana

(1) Mrs. M. H. Clay, Kendallville
(2) Dr. F. Bigelow, Elkhart
(3) S. E. Perkins, III, Indianapolis
(4) Mrs. B. T. Sarver, Crawfordsville
(5) D. H. Boyd, Hobart
(6) Walter S. Chansler, Bicknell
(7) Don Reid Felton, Muncie
(8) Claude E. Swipe, Vincennes
(9) Mrs. E. C. Gilliland, Carlisle
(10) Paul L. Fulk, Kendallville

Ohio

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

Michigan

(1) F. W. Rapp, Vicksburg
(2) Fred McNamara, Howell
(3) Oscar Bryens, McMillan
(4) Ralph Beebe, Ecorse
(5) Margaret E. Gross, Grand Rapids
(6) K. Christofferson, Blaney
(7) Mrs. C. E. Wisner, Detroit
(8) Prof. Norman A. Wood, Ann Arbor
(9) Bert S. Gregg, Belding
(10) Ethel Robinson, Houghton

Ontario

(1) Mrs. J. M. McArthur, Southmag
(2) A. W. Preston, Port Dover
(3) W. H. Clarke, Shannonville

Iowa

(1) Mrs. Mary E. Hatch, McGregor
(2) Mrs. W. J. Armour, Sioux City
(3) Fred J. Pierce, Buchanon Co.
(4) T. C. Stephens, Sioux City
(5) Richard W. Fredrickson, Blakesburg
(6) Mrs. Robert I. Bordner, Hudson

Wisconsin

(1) Lulu M. Lunn, Racine
(2) F. S. Dayton, New London
(3) Mrs. Charles W. Hitchcock, Berlin
(4) Ethel Allis Nott, Reedsburg
(5) Alex Yorman, Reedsburg
(6) Herman Kugel and L. Erbe, Racine
(7) Janet Field, Plover
(8) N. R. Peabody, St. Croix Co.

Minnesota

(1) E. D. Swedenborg, Minneapolis
(2) Edna H. Danielson, Zumbrota
(3) E. J. Wilkinson, Duluth
(4) Mrs. William Wernowsky, Duluth
(5) Orwin Rustad, Faribault
(6) Arthur G. Torgerson, Fosston

Manitoba

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

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

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

1/Barrington, Ill.

1/Kent Co., Mich.
2/Huron Co., Mich.
3/Ottawa Co., Mich.

	Louisiana	Mississippi	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Wilson's Phalarope					1/Barrington, Ill.		L.May 30 (1)	1/Kent Co., Mich. 2/Huron Co., Mich. 3/Ottawa Co., Mich.					
Herring Gull						F.Apr.15 (5)	L.May 30 (10)	F.Feb.15 (1) L.Apr.10 (1)	F.Apr.16 (1) L.Apr.29 (2)	F.Mar.16 (2)	F.Mar.2 (2)	F.Mar.25 (1) L.May 8 (1)	F.Apr.13 (1)
Ring-billed Gull							L.May 30 (10)	F.Apr.5 (6)			F.Mar.2 (2)	F.Mar.25 (1) L.May 24 (1)	
Bonaparte's Gull							F.Apr.4 (4) L.May 10 (3)	F.Apr.16 (8) L.June 3 (6)	F.Apr.16 (2) L.May 1 (2)		F.Apr.23 (6) L.May 25 (6)		
Common Tern						1/F.May 27	F.Apr.22 (6)	F.Apr.8 (2)	F.May 7 (2)		F.May 13 (6)	F.May 2 (1,6)	
Caspian Tern							F.Apr.25 (1) L.June 9 (3)	F.Apr.25 (7)					
Black Tern						2/F.May 23 (5)	F.May 1 (4)	F.May 5 (6)		F.May 13 (2)	F.Apr.28 (3)	F.May 7	F.May 15 (1)
Mourning Dove				F.Feb.7 (1)	F.Mar.16 (2)	F.Feb.26 (1)	F.Feb.25 (6)	F.Mar.15 (2)	F.Mar.25 (2)	F.Mar.31 (1)	F.Mar.21 (1)	F.Apr.7 (5)	F.Apr.10(1,3)
Yellow-billed Cuckoo	F.Apr.19 (1)		F.Apr.17 (1)	F.May 18 (2)	F.May 24 (2)	F.Apr.23 (6)	F.May 5 (6)	F.May 20 (6)		F.May 16 (5)	F.May 15 (6)	F.May 20 (6)	
Black-billed Cuckoo			F.Apr.15 (1)			F.Apr.26 (6)	F.May 6 (6)	F.May 12 (6)	F.May 16 (2)	F.May 9 (3)	F.May 15 (6)	F.May 17 (1)	F.May 30 (1)
Whip-poor-will	F.Mar.23 (1)		F.Apr.12 (2)		F.Apr.27 (2)	F.Apr.15 (9)	F.Apr.15 (8)	1/F.Apr.29 (5)	F.May 2 (1)	F.Apr.25 (5)	F.May 2 (6)		
Eastern Nighthawk	F.Mar.24 (1)		F.Apr.28 (1)	F.May 6 (2)		F.Apr.10 (8)	F.Apr.25 (8)	F.May 7 (8)	F.May 16 (1)	F.May 8 (3)	F.May 7 (1)	F.May 9 (1)	F.May 17 (1)
Chimney Swift	F.Mar.30 (3)		F.Mar.29 (1)	F.Apr.14 (2)	F.Apr.29 (2)	F.Apr.14 (9)	F.Apr.17 (8)	F.Apr.28 (8)	F.Apr.28 (2)	F.Apr.13 (5)	F.Apr.28 (1,4)	F.Apr.30 (5)	
Ruby-throated Hummingbird	F.Mar.20 (3)		F.Apr.2 (1)			F.May 2 (9)	F.Apr.23 (8)	F.May 7 (8)	F.May 6 (2)	F.May 8 (1)	F.May 12(4,7)	F.May 12 (1)	F.May 22 (1)
Eastern Belted Kingfisher						F.Mar.20 (6)	F.Mar.11 (8)	2/F.Mar.29 (5)	F.Apr.2 (2)	F.Mar.25 (3)	F.Apr.11 (6)	F.Mar.29 (1)	F.May 1 (8)
Flicker				F.Mar.16 (2)	F.Mar.22 (2)	F.Mar.3 (4)	F.Mar.1 (11)	F.Mar.15 (7)	F.Apr 9 (2)		F.Mar.28 (6)	F.Apr.10 (2)	F.Apr.17 (1)
Red-headed Woodpecker						F.Mar.19 (8)	F.Mar.1 (11)	F.Feb.23 (1)	F.May 8 (2)	F.Mar. 7 (5)	F.Apr.12 (4)	F.Apr.19 (1)	F.May 5 (2)
Yellow-bellied Sapsucker					L.Apr.17 (2)		L.May 17 (3)	2/F.Mar.29 (5)	F.Apr.22 (2)	F.Apr.17 (5)	F.Mar.26 (6)	F.Apr.17 (4)	
Eastern Kingbird	F.Mar.24 (2)		F.Apr.14 (1)	F.May 3 (2)	F.Apr.30 (2)	F.Mar.29 (2)	F.May 1 (8)	F.May 1 (8)	F.May 9 (2)	F.Apr.25 (5)	F.May 9(2,6,8)	F.May 8 (3)	F.May 12 (1)
Arkansas Kingbird										F.May 17 (4)		F.May 19 (6)	F.May 21 (1)
Crested Flycatcher	F.Mar.26 (2)		F.Apr.15 (1)	F.Apr.26 (1)	F.May 3 (2)	F.May 1 (9)	F.Apr.29(1,6)	1/F.May 4(5,8)	F.May 9 (2)	F.May 8 (5)	F.May 6 (1)	F.May 6 (1)	F.May 14 (1)
Phoebe				F.Mar.6 (1)	F.Mar.11 (2)	F.Mar.9 (6)	F.Mar.4 (8)	F.Mar.15 (8)	F.Apr.10 (2)	F.Mar.14 (5)	F.Apr.4 (6)	F.Apr.13 (6)	F.Apr.21 (1)
Yellow-bellied Flycatcher						F.Apr.26 (3)	F.May 14 (1)	F.May 22 (8)			F.May 14 (2)	F.May 20 (1) L.May 24 (1)	F.May 7 (1)
Acadian Flycatcher							F.May 3 (3)	F.May 20 (8)		F.May 7		F.May 13 (3)	
Alder Flycatcher							F.May 9(1,6,10)	F.May 28 (5)				F.May 9 (1)	F.May 11 (3)
Least Flycatcher						F.May 2 (9)	F.Apr.25 (3)	F.May 6 (8)	F.May 7 (1)	F.May 7 (6)	F.May 6 (1)	F.May 5 (1)	F.May 8 (1)
Eastern Wood Pewee			F.Apr.15 (1)	F.May 10 (2)	F.May 10 (2)	F.Apr.27 (3)	F.May 1 (8)	F.May 10(5,8)	F.May 23 (1)	F.May 8 (5)	F.Apr.25 (6)	F.Apr.29 (3)	
Olive-sided Flycatcher					F.May 22 (1)		F.May 16 (1) L.May 24 (1)	F.June 1 (3)	F.May 16 (2)	F.May 13 (6)		F.May 9 (1)	
Horned Lark					F.Feb.24 (2)	F.Feb.25 (5)	F.Feb.28 (7)	F.Feb.3 (4)	F.Feb.25 (2)	F.Apr.25 (5)	F.Feb.23 (8)	F.Feb.23 (1)	F.Feb.28 (1)
Tree Swallow						F.Mar.29 (5)	F. Mar.22 (1)	F.Apr.5 (8)	F.Apr.16 (2)	F.Apr.13 L.Apr.15	F.Apr.9 (2)	F.Apr.18 (1)	F.May 3 (1)
Bank Swallow						F.Apr.16 (2)	F.Apr.14 (8)	F.Apr.24 (8)	F.May 6 (2)	F.May 8 (5)	F.Apr.30(1,3)	F.Apr.30 (1)	F.May 5 (2)
Rough-winged Swallow						F.Apr.17 (4)	F.Apr.16 (8)	F.Apr.24 (8)	F.Apr.16 (2)	F.Apr.20 (3)	F.Apr.25 (2)	F.Apr.26 (1)	
Barn Swallow	1/F.Apr.12 (1)			F.Mar.29 (1)	F.May 6 (2)	F.Mar.29 (9)	F.Apr.12 (13)	F.Apr.15 (8)	F.Apr.16 (2)	F.Apr.22 (1)	F.Apr.26 (8)	F.May 2 (1)	F.May 7 (1)
Cliff Swallow					F.Apr.20 (2)		F.Apr.25 (3)	F.Apr.24 (8)			F.May 16 (6)	F.May 5(1,6)	F.May 13 (1)
Purple Martin	F.Feb.26 (3)		F.Mar.1 (1)	F.Mar.14 (2)	F.Mar.25 (2)	F.Mar.22 (6)	F.Mar.22 (8)	F.Apr.14(1,3,9)	F.Mar.25 (2)	F.Mar.26 (3)	F.Apr.13 (4)	F.Apr.7 (5)	F.May 7 (1)
House Wren			F.Apr.19 (1)	F.Apr.12 (1)	F.Apr.28 (2)	F.Apr.6 (7)	F.Apr.5 (8)	F.Apr.25 (8)	F.May 2 (2)	F.Apr.26 (5)	F.Apr.26 (4)	F.Apr.28 (5)	F.May 20 (1)
Eastern Winter Wren					L.Apr.23 (2)		L.May 2 (8)	F.Apr.23 (8)	F.May 6 (1)	F.Apr.13 (3)	F.Apr.13 (5) L.May 2 (5)		
Bewick's Wren						F.Mar.31 (1)	F.Mar.30 (11)			F.Apr.11 (5)			
Long-billed Marsh Wren						F.May 7 (2)	F.Apr.25 (8)	F.May 5 (8)			F.May 4(1,3)	F.May 8 (1)	
Short-billed Marsh Wren						F.May 1 (1)	F.May 3 (1)	F.May 5 (8)			F.May 22 (2)	F.May 9 (1)	
Catbird			F.Apr.14 (1)	F.Apr.26 (1)	F.May 8 (2)	F.Mar.14 (8)	F.Apr.23 (8)	F.Apr.30 (8)	F.May 3 (2)	F.May 1 (5)	F.Apr.30 (4)	F.Apr.29 (5)	F.May 6 (2)
Brown Thrasher				F.Apr.8 (2)	F.Apr.21 (2)	F.Mar.15 (6)	F.Apr.4 (8)	F.Apr.15 (8)	F.May 7 (1)	F.Apr.25 (3)	F.Apr.24 (3)	F.Apr.26 (1)	F.May 11(1,3)
Eastern Robin				F.Feb.25 (2)	F.Mar.3 (2)	F.Feb.26 (9)	F.Feb.22 (1)	F.Feb.17 (1)	F.Mar.10 (2)	F.Feb.25(1,5)	F.Mar.8(1,2,4)	F.Mar.10(6,8)	F.Apr.10 (1)
Wood Thrush	F.Apr.3 (3)		F.Apr.25 (2)		F.May 10 (2)	3/F.Apr.25 (9)	F.Apr.23 (8)	F.Apr.22 (1)		F.May 9 (3)	F.May 11 (2)	F.May 7 (1)	F.May 17 (2)

1/Lake Wawasee, Ind.
2/Hammond, Ind.
3/Posey Co., Ind.

1/Walker Twp., Mich.
2/Kent Co., Mich.
3/Kalamazoo Co., Mich.

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

1/Posey Co., Ind.

1/Kent Co., Mich.
2/Galesburg, Mich.
3/Ottawa Co., Mich.

Species	Louisiana	Mississippi	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Northern Pine Warbler			F.Apr.21 (2)										

Species	Louisiana	Mississippi	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
Black-poll Warbler				F.Apr.30 (3) L.May 19 (3)		F.May 3 (9)	F.May 1 (1) L.May 31 (3)	F.May 17 (6)		F.May 2 (2) L.May 21 (6)	F.May 10 (5)	F.May 9 (1)	F.May 9 (1)
Northern Pine Warbler							F.Apr.29 (1) L.May 28 (6)	1/F.May 29 (5)	F.May 3 (1)		F.Apr.19 (5)	F.Apr.26 (1)	F.May 16 (3)
Northern Prairie Warbler						1/Posey Co., Ind.		1/Kent Co., Mich. 2/Galesburg, Mich. 3/Ottawa Co., Mich.					
Western Palm Warbler			F.Apr.21 (2)										
Ovenbird				F.Apr.28 (3)	F.May 15 (2) L.May 17 (2)	F.Apr.28 (5) L.May 10 (1)	F.Apr.28(1,11) L.May 30 (8)	F.Apr.27 (4) L.Apr.28 (4)	F.May 4 (1) L.May 10 (1)	F.May 1 (2) L.May 10 (2)	F.Apr.30 (1,5) L.May 20 (6)	F.Apr.30 (1)	F.May 10 (1)
Grinnell's Water-thrush			F.Apr.23 (2)		F.May 16 (2)	F.May 21 (1)	F.Apr.27 (3)	F.Apr.28 (8)	F.May 8 (1)	F.May 9 (3)	F.May 2 (6)		
Louisiana Water-thrush				F.May 14 (3)		F.Apr.30 (5)	F.Apr.12 (1) L.May 23 (4)	1/F.May 4 (5)	F.Apr.25 (2)	F.May 1 (2) L.May 16 (6)	F.May 9 (2,6)	F.May 7 (1)	F.May 10 (1)
Kentucky Warbler			F.Apr.20 (1)			F.Apr.28 (1)	F.Apr.5 (8)				F.Apr.30 (1)	F.May 3 (1) L.May 28 (3)	
Connecticut Warbler							F.Apr.25 (8)			F.May 9 (3)		F.May 9 (1)	
Mourning Warbler						F.May 13 (5) L.May 15 (5)	F.May 10 (1) L.May 28 (1)				F.May 18 (1) L.May 19 (1)	F.May 23 (4)	
Northern Yellow-throat	F.Mar.30 (3)		F.Apr.20 (1)	F.Apr.30 (2)	F.May 9 (2)	F.Apr.20 (6)	F.May 17 (1)	2/F.May 14 (5)	F.May 30 (1)	F.May 20 (6)	F.May 19 (1) L.May 22 (1)	F.May 23 (4)	F.May 17 (1)
Yellow-breasted Chat	F.Apr.6 (3)		F.Apr.19 (1)		F.May 10 (2)	1/F.Apr.26 (3)	F.Apr.29(1,8)	2/F.May 1 (5)	F.May 7 (1,2)	F.May 1 (5)	F.May 6 (1)	F.May 8 (1)	F.May 15 (1)
Hooded Warbler	F.Mar.30 (3)						F.Apr.29(1,8,11)	F.May 12 (4)					
Wilson's Warbler				F.May 13 (3)			F.May 1 (8)						
Canada Warbler						F.May 3 (1)	F.May 10(3,8,10,12) L.May 27 (1)	2/F.May 13 (5)	F.May 22 (1)	F.May 8 (6) L.May 20 (6)	F.May 10 (5)	F.May 8 (1)	F.May 20 (1)
American Redstart				F.May 16 (3)			F.May 9 (1)	F.May 27 (6)		F.May 20 (6)			
Bobolink					F.May 16 (2)	F.May 9 (5)	F.Apr.30 (8)	3/F.May 10 (5)	F.May 11 (1)	L.May 21 (6)	F.May 19(1,2) L.May 24 (1)	F.May 20(1,6)	
Eastern Meadowlark						1/F.Apr.26 (3)	F.Apr.24 (9)	F.Apr.30 (8)	F.Apr.30 (2)	F.May 3 (5)	F.May 1 (1)	F.May 9 (1)	F.May 21 (1)
Western Meadowlark					F.Mar.7 (2)	F.Mar.1 (4)	F.Feb.25 (8)	2/F.Mar.10 (5)	F.Mar.11 (2)	F.May 1 (3)	F.May 2 (6)	F.May 5 (2)	F.May 16(1,3)
Yellow-headed Blackbird								F.Apr.22 (3)		F.Mar.7 (5)	F.Mar.1 (6)	F.Mar.9 (5)	F.Apr.10 (1)
Red-wing					F.Apr.28 (2)					F.Mar.6 (3)	F.Mar.21 (8)	F.Mar.14 (1)	
Orchard Oriole	F.Mar.26 (2)			F.Mar.14 (2)	F.Mar.7 (2)	F.Feb.28 (6)	F.Feb.28 (7)	F.Mar. 2 (1)	F.Mar.9 (2)	F.Mar.10 (3)	F.May 1 (8)	F.Mar.23 (5)	F.May 5 (1)
Baltimore Oriole	F.Apr.5 (3)		F.Apr.10 (1)	F.May 2 (2)	F.May 7 (2)	1/F.Apr.27 (3)	F.May 2 (8,10)	F.May 5 (8)	F.May 5 (2)	F.May 13(5,6)	F.Mar.9 (3)	F.Mar.10(2,5)	F.Apr.17 (1)
Rusty Blackbird			F.Apr.14 (1)	F.Apr.26 (1)	F.May 5 (2)	F.Apr.27(3,9)	F.Apr.26 (8)	F.Apr.30(1,8)	F.May 7 (2)	F.May 1 (5)	F.Mar.23 (3)	F.May 6 (1)	F.May 13 (1)
Brewer's Blackbird				F.Mar.21 (3)	F.Mar.9 (2) L.Apr.17 (2)	F.Feb.28 (7)	F.Mar.1 (4) L.May 5 (6)	F.Mar.16 (1) L.May 10 (6)		F.Mar.10(3,6)	L.Apr.17 (6)		
Bronzed Grackle		1/May 18				F.Mar.19 (2)	F.Apr.12 (1)				F.Apr.2 (8)	F.Mar.21 (1)	F.Apr.13 (1)
Cowbird				F.Mar.10 (2)	F.Mar.10 (2)	F.Feb.26 (6)	F.Feb.25 (5)	F.Mar.4 (1)	F.Mar.11 (2)	F.Mar.10 (5)	F.Mar.16 (2)	F.Apr.25 (1)	F.Apr.20 (1)
Scarlet Tanager			F.Mar.28 (2)	F.Apr.10 (2)	F.Apr.12 (2)	F.Mar.9 (5)	F.Mar.1 (10)	F.Feb.23 (1)	F.Mar.26 (2)	F.Feb.29 (5)	F.Mar.28(4,6)	F.Apr.12 (5)	F.Apr.15 (1)
Summer Tanager	F.Mar.17 (3)		F.Apr.13 (1)			F.Apr.28 (4)	F.Apr.30 (8)	F.May 7 (8)	F.May 16 (1)	F.May 15 (3)	F.May 16 (1)	F.May 17 (4)	F.May 1(1,2)
Rose-breasted Grosbeak						F.May 17 (9)	F.Apr.19 (8)						F.May 19 (3)
Indigo Bunting	F.Mar.20 (3)		F.Apr.27 (1)	F.May 3 (2)	F.May 3 (2)	1/F.Apr.25 (3)	F.Apr.26 (1)	2/F.May 1 (5)	F.May 7 (1)	F.Apr.30 (5)	F.May 2 (4)	F.May 6 (1)	F.May 14 (1)
Dickcissel				F.May 12 (2)	F.May 10 (2)	1/F.Apr.25 (3)	F.Apr.28 (8)	F.May 6 (8)	F.May 16 (2)	F.May 9 (1,3)	F.May 7 (8)	F.May 16 (1)	
Purple Finch				F.May 5 (2)	F.May 8 (2)	F.May 2 (6)	F.May 9 (1)			F.May 8 (3)	F.May 26 (2)		
Eastern Goldfinch				F.Mar.21 (3)		F.Mar.29 (5) L.May 12 (4)	F.Mar.26 (3)	2/F.Feb.29 (5)	F.Apr.20 (1)	F.Apr.8 (6) L.May 10 (3)	F.Mar.25 (2)	F.Mar.28 (1)	F.Apr.17 (1)
Red-eyed Towhee				F.Apr.27 (2)	F.May 2 (2)	F.Mar.29 (5)	F.Mar.4 (10)	F.May 8(2,3)	F.May 27 (1)		F.Mar.16 (2)	F.May 7 (1)	F.May 15 (1)
Eastern Savannah Sparrow				F.Apr.9 (2)	F.Apr.26 (2)	F.Mar.8 (6)	F.Mar.10 (11)	F.Mar.27 (8)	F.Apr.29 (2)	F.Mar.14 (5)	F.Mar.26 (6)	F.Apr.24 (4)	F.May 5 (1)
Eastern Grasshopper Sparrow							F.Mar.15 (8)	F.Apr.20 (8)	F.Apr.10 (2)	F.Apr.20 (6)	F.Apr.28 (2)	F.Apr.26 (1)	F.Apr.27 (1)
Henslow's Sparrow					F.May 10 (2)	F.May 10 (1)	F.Apr.9 (8)	F.May 8 (8)		F.Apr.25 (5)	F.June 2 (2)	F.May 8 (1)	F.May 5 (2)
Eastern Vesper Sparrow							F.Apr.29 (1)	F.May 5 (8)			F.June 2 (2)		
Eastern Lark Sparrow					F.Mar.29 (2)	F.Apr.14 (5)	F.Mar.8 (8)	2/F.Mar.29 (5)	F.Apr.9 (2)	F.Apr.5 (3)	F.Apr.1 (2)	F.Apr.18(1,3)	F.Apr.24 (1)
Slate-colored Junco			F.Apr.23 (2)	F.May 1 (2)			F.Apr.26 (1)			F.Apr.28 (4)			
Eastern Tree Sparrow				L.Apr.18 (3)	L.Apr.19 (2)	L.Apr.26 (2)	L.May 3 (1)	L.May 12 (6)	L.Apr.28 (2)	L.Apr.26 (6)	L.May 7 (2)	L.May 10 (4)	F.Mar.28 (1)
Eastern Chipping Sparrow				L.Apr.14 (2)	L.Apr.23 (6)	L.Apr.28 (7)	L.May 1 (8)	L.May 9 (3)	L.Apr.30 (1)	L.Apr.26 (2)	L.Apr.28 (1)	L.May 5 (4)	F.Mar.29 (1)
Clay-colored Sparrow			F.Mar.8 (2)	F.Apr.16 (2)	F.Apr.24 (4)	F.Mar.30 (3)	F.Mar.11 (6)	F.Apr.5 (4)	F.Apr.20 (2)	F.Apr.11 (1)	F.Apr.11 (6)	F.Apr.17 (1)	
Eastern Field Sparrow						F.Apr.8 (1)	F.May 8 (1)	F.May 7 (6)		F.Apr.28 (4)		F.Apr.26 (1)	F.May 5 (1)
Harris's Sparrow				F.Mar.25 (2)	F.Mar.29 (4)	F.Mar.11 (6)	F.May 11 (6)	2/F.Mar.29 (5)	F.Apr.16 (2)	F.Mar.14 (5)	F.Apr.15 (6)	F.Apr.22 (1)	
				L.May 1 (8)						F.Mar.21 (5) L.May 2 (6)	F.Apr.26 (8)	F.May 5 (5) L.May 14 (4)	F.Apr.29 (3)
						1/Posey Co., Ind.		1/Ottawa Co., Mich. 2/Kent Co., Mich. 3/Lenawee, Mich.					

MISSISSIPPI VALLEY—Continued

Species	Louisiana	Mississippi	Arkansas	Missouri	Illinois	Indiana	Ohio	Michigan	Ontario	Iowa	Wisconsin	Minnesota	Manitoba
White-crowned Sparrow				L.May 1 (2)	F.May 3 (2) L.May 7 (2)	1/F.Apr.29 (3) L.May 11 (8)	F.Apr.23 (11) L.May 25 (6)	F.May 2 (6) L.May 18 (3)	F.Apr.29 (1) L.May 20 (2)	F.May 1(2.5)	F.Apr.26(6) L.May 22 (1)	F.May 3 (3) L.May 19 (8)	F.Apr.29 (1)
White-throated Sparrow				F.Mar.21 (3) L.May 19 (3)	F.Apr.22 (2) L.Apr.28 (2)	F.Mar.4 (1)	F.Apr.13 (1) L.June 5 (8)	F.Apr.26 (4.8)	F.Apr.26(1.2) L.May 7 (2)	F.Apr.26 (6) L.May 10 (5)	F.Apr.29(1.4.6) L.May 18 (1)	F.Apr.28(1.3)	F.Apr.26 (1)
Eastern Fox Sparrow	L.Apr.12 (2)			F.Mar.21 (3) L.Apr.9 (3)	F.Mar.15 (2) L.Mar.26 (2)	F.Mar.13 (6) L.Apr.25 (1)	F.Feb.25 (10) L.Apr.28 (1)	1/F.Mar.25(5.6) L.Apr.28(3.6)	F.Apr.26 (1)	F.Mar.29 (6) F.Apr.28 (6)	F.Apr.1 (2) L.Apr.29 (2)	F.Apr.5 (1) L.May 15 (3)	F.Apr.15 (3)
Lincoln's Sparrow				F.Apr.26 (3)		F.Apr.17 (5)	F.May 9 (1) L.May 24 (1)	F.Apr.30 (6)	F.Apr.30 (1) L.May 9 (2)	F.Apr.26 (6) L.May 7 (6)	F.May 1 (1) L.May 15 (1)	F.May 2 (1) L.May 12 (1)	F.Apr.26 (1)
Swamp Sparrow						F.Apr.18 (5)	F.Apr.7 (10)	F.Apr.20 (6)	F.Apr.26 (2)		F.Apr.11 (6)	F.Apr.29 (1)	F.Apr.26 (1)
Eastern Song Sparrow				F.Mar.26 (2) L.Apr.18 (3)	F.Mar.15 (2)	F.Feb.25 (2)	F.Feb.25(11)	F.Mar.10 (7)	F.Mar.14 (2)	F.Mar.20 (3)	F.Mar.17 (2)	F.Mar.21 (1)	F.Apr.21 (1)
Snow Bunting							L.Apr.18 (1)	L.May 5 (3) 1/Kent Co., Mich.	L.Feb.22 (2)		L.Mar.12 (3)	L.Mar.21 (1)	

Mississippi Flyway species for which only one or two dates were reported, are as follows:

Holboell's Grebe.--Two pairs reported at New London, Wis., May 1, by F. S. Dayton.

Eared Grebe.--One seen at Fosston, Minn., May 21, by A. G. Torgerson.

White Pelican.--One noted at Sioux City, Iowa, April 9, by Mrs. W. J. Armour.

American Egret.--One seen at Toledo, Ohio, May 29, by L.W. Campbell.

White-fronted Goose.--A flock of 10 reported at Hudson, Iowa, April 19, by Mrs. R. I. Bordner.

European Widgeon.--A male was seen in the Salem-Leetonia district, Ohio, April 25, by W. C. Baker.

Old Squaw.--Reported as being last seen in Toledo, Ohio, April 4, by L. W. Campbell; in Kent County, Mich., March 14, by Margaret Gross, and in Racine, Wis., May 10, by H. Kugel and L. Erbe.

Black Vulture.--Noted at Hobart, Ind., April 9, by D. H. Boyd.

Eastern Goshawk.--Reported by Oscar M. Bryens, at McMillan, Mich., February 21 and leaving May 7.

Swainson's Hawk.--Noted in Buchanan County, Iowa, April 19, by F. J. Pierce.

Wilson's Plover.--A specimen was collected at Toledo, Ohio, June 17, by L. W. Campbell.

Golden Plover.--A flock estimated at 400 seen 5 miles east of Fostoria, Ohio, about April 15, by Prof. E. L. Moseley, who spent the Survey a detailed report of his observations on this species. Reported also at Toledo, Ohio, April 19, by L. W. Campbell, and in Huron County, Mich., five on May 24, by Margaret Gross.

Hudsonian Curlew.--A flock of 23 were noted at Toledo, Ohio, May 24, by L. W. Campbell; at Aweme, Man., April 30, by Stuart Criddle,

White-rumped Sandpiper.--Three were seen first at Toledo, Ohio, May 10, by L. W. Campbell, departing June 21.

Baird's Sandpiper.--One was noted at Toledo, Ohio, May 31, by L. W. Campbell.

Knot.--Three that were first noted at Toledo, Ohio, by L. W. Campbell, May 30, left the next day.

Stilt Sandpiper.--Reported 5 miles east of Louisville, Ky., April 17, by S. E. Perkins, III, and in Winnipeg, Man., May 18, by C. L. Broley.

Hudsonian Godwit.--At Brower's Lake, Iowa, three were noted April 23, by T. C. Stephens and C. L. Broley reported seeing 24 of this rare species at Winnipeg, Man., May 17.

Sanderling.--Reported as arriving at Lakeside, Ohio, by A. J. Carlson on May 3; the last one was seen at Toledo, Ohio, May 31, by L. W. Campbell.

Northern Phalarope.--One was seen at Toledo, Ohio, May 30, by L. W. Campbell.

Great Black-backed Gull.--Reported at Toledo, Ohio, by L. W. Campbell, as arriving February 16 and leaving the 22nd.

Franklin's Gull.--A flock were noted in Sioux City, Iowa, April 19, by Mrs. W. J. Armour; in Fosston, Minn., May 1, by A. G. Torgerson; and in Aweme, Man., April 23, by Stuart Criddle.

Moutain Bluebird.--One was seen at Aweme, Man., March 21, by Stuart Criddle.

Sprague's Pipit.--Two were in the above locality, April 24.

Bohemian Waxwing.--A flock of 15 were noted at Catawba, Ohio, on March 29, by Prof. Wm. P. Holt.

Bell's Vireo.--One was seen at Port Byron, Ill., May 10, by J. J. Schafer; in Sioux City, Iowa, May 17, by T. C. Stephens.

Worm-eating Warbler.--Reported in Ohio at Barnesville, by E. E. Laughlin, being seen April 29; at Hillsboro by K. M. Roads, April 30, and in the Salem-Leetonia District, May 9, by W. C. Baker.

White-winged Junco.--One was reported by Stuart Criddle at Aweme, Man., April 23.

Several species of waterfowl and shore birds that were noted by L. W. Campbell as remaining unusually late in the vicinity of Toledo, Ohio, were the following: one Whistling Swan, June 17; one Canada Goose, May 3; one Gadwall, June 21; two pairs of Canvasback, May 16, all quite possibly being crippled birds. The shore birds noted were: one Semipalmated Plover, June 27; one Pectoral Sandpiper, June 17; two Least Sandpipers, June 21; and the Greater and Lesser Yellowlegs, June 21.

The following winter records of species observed in the Mississippi Flyway are sufficiently unusual to be of interest:

Great Blue Heron.--Reported along Nine Mile Creek, near Minneapolis, Minn., January 11, by E. D. Swedenborg.

Black-crowned Night Heron.--Noted at Toledo, Ohio, January 1, by L. W. Campbell.

Black Duck.--Flock of 40 were seen in the above locality on January 5.

Green-winged Teal.--Sixteen were seen in the same place on the same day.

Pintail.--Noted in the same place on January 5; at Minneapolis, Minn., February 23, by E. D. Swedenborg.

Redhead.--One noted at Toledo, Ohio, by L. W. Campbell, January 1.

Eastern Goshawk.--One noted in St. Croix County, Wis., January 13, by N. R. Peabody.

Red tailed Hawk.--Two were seen in Ann Arbor, Mich., January 17, by Norman A. Wood.

American Rough-legged Hawk.--One was noted in the above locality February 6 and was seen in Toledo, Ohio, January 1, by L. W. Campbell.

Marsh Hawk.--Two were noted at Ann Arbor, Mich., by N. A. Wood, January 11.

Wilson Snipe.--Reported near Ann Arbor, Mich., by Mr. Wood, February 13 and at Minneapolis, Minn., January 2 and 12 by E. D. Swedenborg.

Belted Kingfisher.--One seen at Delhi, Mich., by Mr. Wood, January 20, and one at Minneapolis, Minn., January 11, by E. D. Swedenborg.

Northern Flicker.--One was noted at Ann Arbor, Mich., January 17. F. J. Pierce said this species wintered for the first time in Buchanan County, Iowa, one being seen January 19.

Red-headed Woodpecker.--Two were seen 20 miles west of Waterloo, Mich., February 20, by James Wood; one was noted at Hobart, Ind., January 10, by D. H. Boyd.

Bewick's Wren.--Noted at Hillsboro, Ohio, February 22, by K. M. Roads.

Eastern Robin.--Reported in Ohio, at Toledo, January 5, by L. W. Campbell and at Delaware, February 4, by H. H. Hipple.

Eastern Bluebird.--Six were seen near Ann Arbor, Mich., January 15, by Mr. Wood; 12 were noted at Barnesville, Ohio, on January 16, by Miss Emma Laughlin.

Myrtle Warbler.--The first winter record for Port Dover, Ont., was reported January 10, by Arthur W. Preston.

Meadowlark.--Five noted at Independence, Mo., February 3, by C. W. Tindall; one seen at Delhi, Mich., January 20, by James Wood and 10 reported at Toledo, Ohio, January 1 by L. W. Campbell.

Eastern Red-wing.--A flock was noted wintering at Minneapolis, Minn., having been seen January 5, 19, and February 1, by E. D. Swedenborg. Noted also at Toledo, Ohio, January 1 by L. W. Campbell.

Rusty Blackbird.--E. D. Swedenborg reported that a few wintered at Minneapolis, Minn., three being seen January 5. One was seen at Toledo, Ohio, January 11, by L. W. Campbell.

Brewer's Blackbird.--About five were noted in a mixed flock of red-wings and rusties at Minneapolis, Minn., January 19, by E. D. Swedenborg.

Bronzed Grackle.--Noted in Ohio, at Delaware, on January 1, by H. H. Hipple and at Salem, from December 27 to January 3, by W. C. Baker.

White-crowned Sparrow.--One noted at Toledo, Ohio, January 1, by L.W. Campbell.

Swamp Sparrow.--A flock of 20 were seen at Toledo, Ohio, January 1, by L. W. Campbell.

Song Sparrow.--One noted near Ann Arbor, Mich., January 25, by L. D. Case; 50 were seen at Toledo, Ohio, January 1, by L. W. Campbell.

Key to the Central Flyway

Texas

(1) Albert J. Kirn, Somerset
(2) Mrs. Myrtle Braman, Victoria

Kansas

(1) Fanny Zimmerman, Bendena
(2) Harrison D. Burchell, Clearwater
(3) Ralph H. Imler, Stockton
(4) Lem Laird, Harper

Nebraska

(1) C. S. Ludlow, Red Cloud
(2) Arno A. Bald, Platte Center
(3) George Gutru, Newman Grove
(4) Mrs. Bert L. Merrihew, Ashby
(5) Mrs. F. J. Patton, Blue Springs
(6) Merton Crannel, Blue Springs
(7) A. J. Wondra, Blue Springs

South Dakota

(1) Adrian Larson, Sioux Falls
(2) L. R. Mewaldt, Aberdeen
(3) Pocahontas Girl Scouts, Stratford
(4) W. H. Over, Vermilion
(5) Dr. Harold M. Halverson, Yankton

North Dakota

(1) O. A. Stevens, Fargo
(2) J. H. McClelland, Arnegard
(3) Mrs. T. C. Beard, Hettinger

Saskatchewan

(1) Laurence B. Potter, Eastend
(2) E. H. M. Knowles, Regina
(3) George Lang, Indian Head
(4) Mrs. M. M. Dickson, Wiseton
(5) Mrs. Esther W. Cates, McLean

Colorado

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

Wyoming

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

Montana

(1) Winton Weydemeyer, Fortine
(2) Mrs. W. B. Spear, Kirby

Alberta

(1) Frank L. Farley, Camrose
(2) A. D. Henderson, Belvedere
(3) Fred H. Pegg, Glenevis
(4) Frank Dent, Lake Mamawi, Wood Buffalo Park.

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

1/Climax Co., Wyo.
2/Sheridan, Wyo.

Species	Texas	Kansas	Nebraska	South Dakota	North Dakota	Saskatchewan	Colorado	Wyoming	Montana	Alberta
Wilson's Snipe	L.Apr.18 (1)	F.Apr.11 (3)		F.Apr.26 (1)	F.Apr.30 (3)	F.Apr.30 (3) L.May 8 (3)	F.Apr.16 (5)		F.Apr.25 (1)	F.Apr.28 (2)
Long-billed Curlew (Subsp.)						F.Apr.14 (1)	F.Apr.17 (1)	F.Apr.12 (2)	F.May 3 (1)	F.May 23 (1)
Upland Plover			F.Apr.30 (1)			F.May 14 (5)				
Spotted Sandpiper	F.Mar.28 (2)		F.Apr.30 (6)	F.May 4 (1)	F.May 2 (3) L.May 13 (3)	F.May 4 (3)	F.May 10 (5)	F.Apr.26 (1)	F.May 28 (1)	F.May 12 (2)
Solitary Sandpiper (Subsp.)	L.Apr.26 (1)	F.May 1 (4) L.May 4(4)	F.May 1 (1)	F.May 1 (1) L.May 10 (1)		F.May 7 (1)		F.Apr.26 (1)		F.May 3 (3)
Western Willet						F.Apr.28 (4)	F.May 3 (5)			F.May 8 (1)
Greater Yellow-legs				F.Apr.26 (1) L.May 9 (6)	F.Apr.19 (2)	F.Apr.24 (2) L.May 17 (3)	F.May 3 (5)	F.Apr.10 (1)		F.Apr.19 (2)
Lesser Yellow-legs		F.Apr.27 (3)	F.Apr.18 (5) L.May 10 (5)	F.Apr.25 (1) L.May 13 (1)		F.Apr.15 (3) L.May 6 (3)	F.Apr.12 (1)			F.Apr.25 (2)
Baird's Sandpiper		F.Mar.26 (3)		F.May 10 (1) L.May 24 (1)				F.Apr.26 (1)		
Least Sandpiper			F.Apr.15 (6)	F.May 4 (1) L.May 20 (1)		F.Apr.18 (3)		1/F.May 3 (1)		
Marbled Godwit						F.Apr.27 (4)		F.May 2 (1)		F.Apr.26 (1)
Avocet						F.May 4 (3)	F.Apr.22 (4) L.May 30 (4)	1/F.Apr.12 (1)		F.May 8 (1)
Wilson's Phalarope		F.May 10 (3)	F.Apr.27 (7) L.May 20 (6)	F.May 10 (1)		F.May 10 (5)	F.May 10 (5)	1/F.Apr.25 (1)		F.May 17 (3)
Herring Gull				F.Apr.5 (1)		F.May 1 (4)		1/F.Mar.7 (1)		F.Apr.22 (2)
Ring-billed Gull	F.Apr.27 (1)			F.Apr.5 (1)		F.Apr.27 (3)	F.May 15 (1)	1/F.Mar.7 (1)		F.Apr.10 (1)
Franklin's Gull	L.Apr.27 (1)	F.Apr.3 (2) L.May 2 (4)	F.Apr.10 (1)	F.Apr.10 (2)	F.Apr.19 (2)	F.Apr.12 (4)	F.Apr.25 (1)			F.Apr.25 (1)
Bonaparte's Gull								1/F.Apr.16 (1)		F.Apr.30 (2)
Forster's Tern				F.May 3 (1)				1/F.May 3 (1)		F.May 11 (2)
Black Tern	L.May 20 (1)	F.Apr.29 (3)	F.Apr.28 (1)	F.May 10 (1)		F.May 13 (3)	F.May 15 (5)			F.May 11 (1)
Mourning Dove (Subsp.)		F.May 4 (3)	F.Mar.14 (1)	F.Mar.17 (6)	F.Apr.10 (1)	F.Apr.22 (5)	F.Apr.6 (6)	F.Apr.6 (2)	F.May 17 (1)	
Yellow-billed Cuckoo	F.Apr.19 (2)	F.May 4 (2,4)	F.May 10 (6)	F.May 30 (1)					F.June 1 (2)	
Black-billed Cuckoo		F.May 29 (1)	F.May 14 (1)	F.May 16 (1)	F.May 30 (1)	F.June 1 (3)				
Nighthawk (Subsp.)	F.Mar.29 (1)	F.May 7 (2)	F.May 14 (1)	F.May 12 (2)	F.May 15(1,3)	F.May 30 (1)	F.May 16 (1)	F.June 4 (1)	F.May 31 (1)	F.May 19 (3)
Chimney Swift		F.May 11 (1)	F.Apr.28 (5)	F.May 4 (1,6)	F.May 6 (1)			F.Apr.30 (2)		
Ruby-throated Hummingbird		F.May 4 (2)	F.May 10 (6)		F.May 23 (1)	F.June 4 (3)				
Belted Kingfisher		F.Mar.22 (3)	F.Mar.29 (7)	F.May 1 (1)		F.Apr.25 (1)	F.Apr.26 (5)	F.May 6 (2)		F.May 4 (2)
Northern Flicker		F.Mar.20 (2)	F.Mar.6 (1)	F.Apr.12 (1)	F.Apr.19 (1)	F.Apr.17 (1)		F.Mar.26 (2)		F.Apr.17 (1)
Red-headed Woodpecker		F.Apr.19 (3)	F.Apr.6 (7)	F.May 4 (1,6)	F.May 13 (1)	F.May 29 (1)	F.May 14 (1)	F.May 15 (2)	F.May 21 (2)	
Yellow-bellied Sapsucker (Subsp.)		L.Apr.25 (3)			F.Apr.19 (1)	F.Apr.30 (2)	F.May 3 (5)	F.Apr.22 (1)	F.Apr.20 (1)	F.May 1 (5)
Eastern Kingbird	F.Apr.13 (1)	F.Apr.28 (2,4)	F.Apr.25 (1)	F.May 5 (6)	F.May 15 (3)	F.May 15 (1)	F.May 4 (6)	F.May 13 (1)	F.May 11 (1)	F.May 17 (1)
Arkansas Kingbird	F.Apr.23 (1) L.May 20 (1)	F.Apr.25 (3)	F.May 1 (2)	F.May 2 (6)	F.May 6 (1)	F.May 22 (1)	F.May 2 (6)		F.May 11 (1)	
Scissor-tailed Flycatcher	F.Mar.10 (2)	F.Apr.16 (4)								
Crested Flycatcher	F.Apr.21 (2)	F.Apr.26 (4)	F.May 1 (1)	F.May 10 (1)						F.Apr.30(1,2,3)
Phoebe			F.Mar.21 (5)	F.Apr.19 (1)	F.Apr.25 (2)	F.Apr.20 (1)	F.Mar.13 (3)	F.Apr.14(1,2)		F.May 2 (3)
Say's Phoebe				F.May 20 (1)					F.May 26 (1)	F.May 27 (3)
Alder Flycatcher							F.May 29 (3)			F.May 13 (3)
Least Flycatcher	L.May 22 (1)		F.May 6 (1)	F.May 3 (1)	F.May 15 (1)	F.May 24 (1)	F.May 17 (5)	F.May 13 (1)	F.May 4 (1)	
Wright's Flycatcher							F.June 1 (2)	F.May 26 (1)	F.May 21 (1)	F.May 15 (1)
Wood Pewee (Subsp.)	F.Feb.23 (2)	F.Apr.25	F.Mar.30 (5)	F.Mar.24 (1)	F.May 23 (1)				F.May 21 (1)	F.May 21 (2)
Olive-sided Flycatcher				F.Mar.20 (5) L.Mar.26 (5)	F.Mar.3 (1)	F.Mar.5 (4)	F.Mar.7 (5)			F.Apr.1 (1)
Horned Lark			L.Apr.16 (1)					1/Albany Co., Wyo.		

Wood Pewee (Subsp.)	F.Feb.23 (2)	F.Apr.25	F.Mar.30 (5)	F.Mar.24 (1)	F.May 23 (1)		F.June 1 (2)	F.May 26 (1)	F.May 21 (1)	F.May 15 (1)
Olive-sided Flycatcher									F.May 21 (1)	F.May 21 (2)
Horned Lark			L.Apr.16 (1)	F.Mar.28 (5) L.Mar.26 (5)	F.Mar.3 (1)	F.Mar.5 (4)	F.Mar.7 (5)	1/Albany Co., Wyo.		F.Apr.1 (1)
Violet-green Swallow										
Tree Swallow			F.May 11 (5)	F.Apr.29 (6)	F.Apr.15 (5)	F.May 26 (5)	F.May 19 (2) F.Apr.12 (9)	1/F.May 2 (1)	F.Apr.19 (1) F.Mar.19 (1)	F.Apr.26 (1,3)
Bank Swallow			F.Apr.23 (2)	F.Apr.30 (1)	F.Apr.30 (3)	F.May 22 (1)	F.May 6 (3)	F.May 14 (1)		F.May 7 (1)
Rough-winged Swallow			F.Apr.26 (1)	F.Apr.30 (1)			F.Apr.29 (6)	F.May 14 (1)	F.Apr.20 (1)	
Barn Swallow		F.Apr.15 (4)	F.Apr.23 (2)	F.Apr.20 (5)	F.May 5 (3)	F.May 15 (5)	F.May 3 (1,5)	F.May 3(1,2)	F.May 10 (1)	F.May 7 (1)
Cliff Swallow			F.Apr.26 (1)	F.May 1 (1)			F.May 11 (1)	F.May 16 (1)	F.May 13 (1)	F.June 7 (3)
Purple Martin	F.Feb.24 (1)	F.Apr.27 (4)	F.Apr.10 (5)	F.Apr.8 (6)	F.Apr.19 (1)	F.May 7 (3)				F.Apr.24 (1)
Western House Wren	L.Apr.20 (2)	F.Mar.6 (2)	F.Apr.16 (7)	F.Apr.26 (4)	F.May 8 (1)	F.May 15 (5)	F.May 3 (5)	F.May 5 (2)	F.May 9 (2)	F.May 14 (3)
Common Rock Wren						F.May 3 (1)	F.Apr.8 (1)	F.Apr.18 (1)		
Catbird	L.Apr.25 (2)	F.May 3 (1)	F.Apr.22 (3)	F.May 6 (1,6)	F.May 16 (1)	F.May 14 (5)	F.May 5 (4)	F.May 14 (2)	F.May 15 (2)	F.May 27 (1)
Brown Thrasher		F.Mar.27 (3)	F.Apr.24 (1,2)	F.Apr.28 (6)	F.May 6 (2)	F.May 12 (1)	F.May 5 (1)	F.May 12 (2)		
Sage Thrasher	F.Mar.6 (1)						F.Mar.24 (5)	1/F.Apr.18 (1)		
Robin (Subsp.)	L.Mar.17 (2)	F.Feb.12 (3)	F.Mar.2 (2)	F.Mar.2 (6)	F.Mar.21 (1)	F.Apr.12 (3)	F.Feb.22 (3)	F.Feb.23 (1)	F.Mar.1 (1)	F.Apr.14 (1)
Wood Thrush	F.Apr.21 (2) L.Apr.28 (2)		F.May 10(2,5)	F.May 20 (6)	F.May 26 (3)					
Hermit Thrush	L.Mar.13 (1)			F.Apr.24 (2) L.Apr.27 (2)	F.Apr.21 (1) L.Apr.23 (1)	F.May 2 (2)	F.May 6 (1) L.May 13 (1)			F.Apr.25 (3)
Olive-backed Thrush		F.May 3 (3)	F.May 9 (5)	F.Apr.30 (1)	F.May 2 (1)	F.May 9 (4)	F.May 7 (1)	F.May 13 (1)	F.May 21 (1)	F.May 5 (4)
Gray-cheeked Thrush				F.May 3 (1)	F.May 14 (1)					
Veery	F.Mar.2 (2) L.Mar.18 (2)	F.May 11 (3)	F.May 24 (5)	F.May 16 (1)				F.May 14 (2)		F.May 28 (1)
Bluebird		F.Mar.1 (2)	F.Mar.8 (1)	F.Mar.8 (1)				F.May 24 (1)	F.Mar.10 (2)	F.Mar.14 (1)
Mountain Bluebird						F.Mar.14 (1)	F.Feb.27 (2,3)	1/F.Mar.5 (1)	F.Mar.6 (1)	F.Apr.10 (2)
Blue-gray Gnatcatcher	F.Feb.5 (1)									
Golden-crowned Kinglet (Subsp.)		F.Mar.15 (3)		F.Apr.5 (1)	F.Apr.23 (1)					
Ruby-crowned Kinglet (Subsp.)		F.Mar.29 (3)	F.Apr.18 (5)	F.Apr.19 (1)	F.Apr.27 (1) L.May 6 (1)	F.Apr.27 (1)	F.May 20 (5)	F.Apr.16 (1)	F.Apr.16 (1)	F.Apr.19 (3)
American Pipit		F.Apr.22 (4) L.May 6 (4)						F.Apr.16 (1)	F.Apr.18 (1)	F.Apr.29 (3)
Cedar Waxwing	L.May 1 (2)	L.June 3 (4)	F.Mar.3 (2)	F.May 30 (2)	F.May 29 (1)	F.May 22 (3)			F.June 2 (1)	F.May 31 (1,3)
White-rumped Shrike (Subsp.)		F.Mar.21 (3)	F.Mar.8 (5)	F.Apr.12 (1,2,4)	F.Apr.19 (1)	F.Apr.24 (1)	F.Mar.30 (5)	F.Apr.26 (1)		F.May 7 (1)
Bell's Vireo		F.May 6 (3)	F.May 6 (1)	F.May 30 (1)						
Blue-headed Vireo (Subsp.)				F.May 13 (1)			F.June 6 (2) L.June 8 (2)	F.May 29 (1)	F.Apr.21	F.May 22 (3)
Red-eyed Vireo		F.Apr.30	F.May 4 (2)	F.May 12 (2)	F.May 23 (1)				F.May 26 (1)	F.May 21 (1)
Warbling Vireo		F.Apr.25 (4)	F.Apr.25 (1)	F.May 10 (6)	F.May 17 (1)	F.May 19 (3)	F.May 16 (3)	F.June 4 (1)	F.May 12 (1)	F.May 21 (1)
Black and White Warbler	F.Mar.29 (2)		F.May 9 (1)	F.Apr.30 (1)				F.May 29 (1)		F.May 12 (3)
Tennessee Warbler				F.May 3 (1) L.May 22 (6)	F.May 15 (1) L.May 26 (1)	F.May 24 (1)				F.May 15 (2,3)
Orange-crowned Warbler	L.Apr.17 (1)	F.Apr.27 (3) L.May 11 (3)	F.Apr.20 (1)	F.Apr.26 (1) L.May 1 (6)		F.May 3 (1)	F.June 25 (5)	F.Apr.25 (1)	F.May 8 (1)	F.May 1 (3)
Nashville Warbler		F.Apr.29 (4)								
Virginia's Warbler (Subsp.)	F.Apr.23 (2)	F.Apr.28 (4)	F.May 4 (2,6) F.May 4 (2)	F.May 5 (6)	F.May 12 (1) F.May 15 (1) L.June 5 (1)	F.May 8 (3)	F.May 1 (1)	F.May 13 (1)	F.May 11 (1)	F.May 30 (4) F.May 25 (3)
Yellow Warbler	L.May 29 (1)	F.Apr.25 (4)	F.Apr.26 (5) F.Apr.28 (1)	F.Apr.15 (6)	F.Apr.23 (1) L.May 19 (1)	F.Apr.23 (1) L.May 20 (3)	F.Apr.30 (3)	F.Apr.26 (1)		F.May 3 (3)
		F.May 4 (3) F.May 8 (1)	F.May 6 (5)	F.May 6 (1)	F.June 3 (1)		F.May 10 (1,5)	F.Feb.26 (2)	F.Apr.28 (1)	F.May 19 (3)
				F.May 1 (1)	F.May 8 (1)			1/Albany Co., Wyo.		F.May 27 (5)

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

* Includes subsp. hyemalis and oreganus.

1/Albany Co., Wyo.

Gray-headed Junco

* Includes subsp. hyemalis and oreganus.

CENTRAL FLYWAY--Continued

Species	Texas	Kansas	Nebraska	South Dakota	North Dakota	Saskatchewan	Colorado	Wyoming	Montana	Alberta
Western Tree Sparrow		L.Apr.11 (3)	L.Apr.8 (1)	L.Apr.19 (1)	L.Apr.23 (1)	P.Apr.14 (4)	L.May 10 (1)	L.Apr.17 (1)		P.Mar.23 (3) L.May 5 (3)
Chipping Sparrow (Subsp.)	L.Mar.25 (1)	P.Apr.24 (3)	P.Mar.19 (1)	P.Apr.17 (6)	P.Apr.26 (1,3)	P.May 3 (1)	P.Apr.5 (2)	P.Apr.19 (1)	P.May 10 (1)	P.May 2 (3)
Clay-colored Sparrow	P.Mar.29 (1) L.May 4 (1)	P.Apr.29 (3)	P.Apr.26 (5)	P.Apr.29 (6)	P.May 7 (1)	P.May 7 (1)				P.May 3 (3)
Brewer's Sparrow						P.May 14 (1)		P.Apr.22 (1)		
Field Sparrow (Subsp.)	L.Mar.25 (1)		P.Mar.22 (2)	P.Apr.25 (6)			P.Apr.19 (1)			
Harris's Sparrow		L.May 12 (3)	L.Apr.30 (1)	P.Apr.29(3,6) L.June 1 (3)	P.May 4 (1) L.May 24 (1)	P.May 3 (2) L.May 21 (3)				P.May 13 (4)
White-crowned Sparrow (Subsp.)	L.Apr.27 (1)	P.Apr.24 (3) L.May 11 (3)	P.Apr.24 (1)	P.Apr.25 (6) L.May 13 (2)	P.Apr.26 (1) L.May 31 (1)	P.Apr.24 (1)	P.Apr.21 (1,6)	P.Apr.21 (1)	P.Apr.21 (1)	P.May 1 (3) L.May 17 (3)
White-throated Sparrow	L.Mar.8 (1)	L.May 25 (1)	P.Apr.25 (1)	P.Apr.22 (1) L.May 13 (1)	P.Apr.27 (1) L.May 14 (1)	P.May 6 (5)				P.May 4 (3)
Fox Sparrow					P.Apr.21 (1) L.Apr.25 (1)	P.May 5 (3)	P.May 25 (5)		P.Apr.12 (1)	P.May 3 (3) L.June 7 (3)
Lincoln's Sparrow	L.Apr.26 (1)			P.Apr.22 (1) L.May 17 (2)	P.Apr.27 (1) L.June 9 (1)	P.May 4 (3)		P.May 17 (1)		P.May 11 (3)
Song Sparrow (Subsp.)	L.Apr.26 (2)	P.Apr.19 (1)	P.Mar.22 (2)	P.Apr.5 (1,2)	P.Apr.13 (1)	P.Apr.14 (3)	P.Apr.11 (3)	P.Mar.6 (1)		P.Apr.13 (1)

Central Flyway species for whick only one or two dates were reported, are as follows:

Holboell's Grebe.--Noted at Belvedere, Alta., April 29, by A. D. Henderson and at Indian Head, Sask., on May 10, by George Lang.

Double-crested Cormorant.--Three were seen at Indian Head, Sask., April 28, by George Lang.

White-fronted Goose.--A flock of 17 was reported at Sioux Falls, S. Dak., March 22, by Adrian Larson; at McLean, Sask., April 16, by Mrs. E. W. Cates, and at Lake Mamawi, Alta., May 4, by Frank Dent.

Blue Goose.--Reported at Sioux Falls, S. Dak., March 22, by Adrian Larson.

Ross's Goose.--Reported at Lake Mamawi, Wood Buffalo Park, Alta., May 10 by Frank Dent.

Ring-necked Duck.--Two males and 1 female were reported at Belvedere, Alta., April 29 by A. D. Henderson.

Buffle-head.--One was noted in Albany Co., Wyo., March 29 by A. B. Mickey; in Belvedere, Alta., one male and one female were seen April 22, by A. D. Henderson.

Old Squaw.--Adrian Larson reported his first record at Sioux Falls, S. Dak., of two seen March 15; one male noted at Belvedere, Alta., April 29, by A. D. Henderson.

White-winged Scoter.--Two were seen at Belvedere, Alta., May 2, by A. D. Henderson.

American Scoter.--A flock of 18 noted at Belvedere, Alta., May 23, by A. D. Henderson.

Hooded Merganser.--A single male was seen at Belvedere, Alta. by A. D. Henderson, April 19.

Prairie Falcon.--Reported as rare at Indian Head, Sask., by George Lang, one being seen April 21.

Virginia Rail.--Two noted by George Lang at Indian Head, Sask., arrived May 20.

Sora Rail.--One was noted at Indian Head, Sask., May 10 by George Lang.

Semipalmated Plover.--One was reported at Sioux Falls, S. Dak., April 26, by Adrian Larson.

Mountain Plover.--One was seen in Albany Co., Wyo., April 17 by J. C. Simpson.

Golden Plover.--Reported as rare at Wiseton, Sask., six being seen May 17 by Mrs. M. M. Dickson.

Black-bellied Plover.--One pair was seen at Victoria, Tex., April 26 by Mrs. M. Braman; a flock of 30 was noted at Indian Head, Sask., by George Lang as arriving May 9 and remaining until the 14th.

American Woodcock.--Two were reported at Kirby, Mont., May 10, by Mrs. W. B. Spear.

White-rumped Sandpiper.--Adrian Larson noted a flock of 15 as arriving at Sioux Falls, S. Dak., May 6 and remaining until the 24th.

Red-backed Sandpiper.--A flock of 20 was reported at Wiseton, Sask., by Mrs. M. M. Dickson, May 8.

Long-billed Dowitcher.--Four were noted at Sioux Falls, S. Dak., May 10 by Adrian Larson; four seen in Albany Co., Wyo., April 25 by A. B. Mickey; one noted at Belvedere, Alta., May 20, by A. D. Henderson.

Stilt Sandpiper.--A flock of 26 was seen at Sioux Falls, S. Dak., May 10 by Adrian Larson.

Semipalmated Sandpiper.--At Sioux Falls, S. Dak., Adrian Larson saw a flock of 200 May 17 which remained until the 24th.

Hudsonian Godwit.--Three were seen at Sioux Falls, S. Dak., May 17, by Adrian Larson.

Sanderling.--One was noted in Albany Co., Wyo., May 3, by A. B. Mickey.

California Gull.--Seen at Careyhurst, Wyo., by Mrs. Emery, April 23 and two noted at Indian Head, Sask., April 12 by George Lang.

Common Tern.--Reported at Eastend, Sask., by L. B. Potter, May 6; one seen at Camrose, Alta., May 17 by F. L. Farley.

Rufous Hummingbird.--Reported at Fortine, Mont., by W. Weydemeyer as very rare, one being seen May 7.

Red-shafted Flocker.--A. J. Kirn noted it as leaving Atascosa Co., Tex., March 20; noted as arriving at Fortine, Mont., by W. Weydemeyer, March 5.

Ash-throated Flycatcher.--A. J. Kirn noted one March 31 in northwestern Atascosa Co., Tex.,

Hammond's Flycatcher.--One seen at Laramie, Wyo., May 13, by O. McCreary.

Vermilion Flycatcher.--One male noted in northwestern Atascosa Co. Texas, March 24, by A. J. Kirn.

Winter Wren.--Reported as leaving Victoria, Tex., April 10, by Mrs. M. Braman; one noted at Aberdeen, S. Dak., April 28 by L. R. Mewvaldt.

Prairie Marsh Wren.--A specimen was at Stockton, Kans., April 28, by R. H. Imler; one noted at Indian Head, Sask., May 7 by George Lang; at Camrose, Alta., May 17 by F. L. Farley.

Northern Varied Thrush.--Two noted at Fortine, Mont., April 5, by W. Weydemeyer.

Sprague's Pipit.--One reported at Eastend, Sask., April 29, by L. B. Potter; five at Camrose, Alta., May 23 by F. L. Farley.

Bohemian Waxwing.--Reported as last seen at Aberdeen, S. Dak., March 25 by L. R. Mewaldt; at Fargo, N. Dak., February 22 by O. A. Stevens; at Fortine, Mont., March 6 by W. Weydemeyer, and at Regina, Sask., April 13 by E. H. M. Knowles.

Northern Shrike.--Noted as last seen at Eastend, Sask., April 15 by L. B. Potter and at Belvedere, Alta. the last one was seen April 3 by A. D. Henderson.

White-eyed Vireo.--Reported in Texas as arriving in northwestern Atascosa Co., by A. J. Kirn March 9 and that it was last seen in Victoria, April 28 by Mrs. M. Braman.

Yellow-throated Vireo.--One was seen in Sioux Falls, S. Dak., May 17 by Adrian Larson.

Philadelphia Vireo.--One noted in Belvedere, Alta., May 21, by A. D. Henderson.

Worm-eating Warbler.--Harrison D. Burchell noted four at Clearwater, Kans., May 8 and his last observation was May 22.

Lutescent Warbler.--One was reported at Fortine, Mont., April 30 by W. Weydemeyer.

Townsend's Warbler.--Noted at Fortine, Mont., May 21 by W. Weydemeyer.

Louisiana Water-thrush.--One was seen at Victoria, Tex., April 28 by Mrs. M. Braman, leaving the next day.

Hooded Warbler.--Two reported at Victoria, Tex., April 28 by Mrs. Braman.

Arkansas Goldfinch.--Two were noted at Bendena, Kans., May 7, by Miss Zimmerman; one reported at Laramie, Wyo., May 27 by O. McCreary.

Green-tailed Towhee.--At Laramie, one was seen May 3, by O. McCreary.

Nelson's Sparrow.--Reported as rare at Sioux Falls, S. Dak., where one was seen May 6 by Adrian Larson.

Cassin's Sparrow.--One was noted in northwestern Atacosa Co., Tex., March 25 by A. J. Kirn.

Snow Bunting.--Noted at Lake Mamawi, Wood Buffalo Park, Alta., April 8, by Frank Dent.

Interesting winter records from the Central Flyway are the following:

American Goshawk.--In Fremont Co. Wyo., one was reported by O. McCreary, January 24.

Marsh Hawk.--One reported by A. B. Mickey and Otto McCreary, January 18 at Pine Bluffs, Wyo.; one noted at Bendena, Kans., January 13, by Miss Zimmerman.

Prairie Falcon.--One was seen at Somerset, Tex., February 8 by A. J. Kirn; one noted at Pine Bluffs, Wyo., January 18 by A. B. Mickey and O. McCreary; one seen at Eastend, Sask., January 15, by L. B. Potter.

Sora Rail.--At Pine Bluffs, Wyo., one was seen January 18 by O. McCreary and A. B. Mickey.

Belted Kingfisher, Subsp.--One was seen in Albany Co., Wyo., January 5 by O. McCreary.

Red-shafted Flicker.--One noted at Laramie, Wyo., January 6 by O. McCreary.

Long-billed Marsh Wren, subsp.--One was seen at Pine Bluffs, Wyo., January 18, by A. B. Mickey aud O. McCreary.

Brown Thrasher.--Reported as first seen on the University Campus at Laramie, Wyo., by O. McCreary on January 10, remaining until February 3.

Townsend's Solitaire.--One seen in Albany Co., Wyo., January 1, by O. McCreary.

Cedar Waxwing.--Noted at Yankton, S. Dak., February 27 by A. P. Larrabee.

American Goldfinch.--One seen at Aberdeen, S. Dak., December 25, 1935 by L. R. Mewaldt.

Texas Sparrow.--A. J. Kirn collected one in Medina Co., Tex., January 25, which is his only record for this species for the region.

Two records that are much earlier than those given in the preceding table and yet possibly too late to be considered winter records are those of a Brewer's Blackbird noted by Mrs. Emery at Careyhurst, Wyo., March 5 and a flock of Lark Buntings seen at Hettinger, N. Dak., April 1 by Mrs. L. C. Beard.

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) Lloyd Peabody, Fresno
(6) Paul S. Bartholomew, Palo Alto
(7) Mrs. A. T. Lofberg, Kernville

Utah

Dr. John W. Sugden

Oregon

(1) Edmonde S. Currier, Portland
(2) Otto V. Purcell, Weston

Washington

(1) J. M. Edson, Bellingham
(2) Rufus Comstock, Vancouver

British Columbia

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

Species	California	Utah	Oregon	Washington	British Columbia
Horned Grebe	1/L.Apr.16 (1)				
White Pelican	2/F.Apr.24 (1)				
Whistling Swan			L.Mar.29 (1)		F.Apr.13 (2)
Canada Goose					F.Apr.11 (1)
Black Brant	L.May 10 (3)				
European Widgeon	1/L.Mar.7 (1)				
Baldpate	1/L.May 9 (1)				
American Pintail	1/L.May 9 (1)			F.May 24 (2)	
Green-winged Teal	1/L.May 9 (1)		L.Apr.26 (1)		
Cinnamon Teal			1/F.Apr.25 (1)	F.May 14 (1)	
Wood Duck			F.Apr.10 (1)	F.May 17 (2)	
Redhead	L.Feb.15 (7)				
Ring-necked Duck	3/L.Mar.22 (1)				
Canvasback	1/L.Mar.16 (1)				
Greater Scaup Duck	1/L.May 9 (1)				
Lesser Scaup Duck	1/L.May 9 (1)		2/L.Apr.19 (1)		
American Goldeneye	1/L.Apr.16 (1)			F.May 12 (1)	
Buffle-head	1/L.Apr.16 (1)				
Ruddy Duck	1/L.May 9 (1)				
Surf Scoter	1/L.Apr.5 (1)				
Red-breasted Merganser	1/L.Apr.5 (1)				
Turkey Vulture	3/F.Apr.1 (1)		2/F.May 1 (1)	F.Apr.12 (2)	
Sparrow Hawk	L.Feb.20 (7)		F.Apr.11 (2)		F.Mar.22 (2)
Sandhill Crane				F.Apr.23 (1) L.May 1 (1)	
Semipalmated Plover	F.May 3 (3)				
Black-bellied Plover	L.May 20 (3)			F.Apr.15 (1)	
Black Turnstone	L.May 26 (3)				
Hudsonian Curlew	3/F.Apr.12 (1) L.May 31 (3)				
Wandering Tattler	F.Apr.19 (3) L.May 16 (3)				
Western Willet	L.May 31 (1)				
Greater Yellow-legs	3/F.May 7 (1) L.May 22 (3)				F.Apr.13 (2)
American Knot	F.May 17 (3)				
Least Sandpiper	1/L.May 7 (1)			F.Apr.17 (2)	
Red-backed Sandpiper	L.May 26 (3)			F.Apr.12 (1)	
Long-billed Dowitcher	2/F.Mar.9 (1) L.May 17 (3)				

Species	California	Utah	Oregon	Washington	British Columbia
Western Sandpiper	L.May 5 (3)			F.Apr.17 (2)	
Marbled Godwit	1/F.Mar.9 (1) L.June 17 (3)				
Sanderling	L.May 29 (3)				
Black-necked Stilt	2/F.Apr.30 (1)				
Northern Phalarope	1/F.May 7 (1,3)				
Glaucous-winged Gull	3/L.May 9 (1)				
Herring Gull	3/L.Mar.1 (1)			L.Apr.1 (2)	
California Gull		F.Mar.5			F.Apr.13 (2)
Ring-billed Gull	3/L.Mar.29 (1)			L.May 17 (2)	
Short-billed Gull	3/L.Mar.1 (1)			L.Apr.1 (2)	F.Apr.20 (2)
Bonaparte's Gull	3/L.Apr.24 (1)			F.May 31 (2)	
Forster's Tern	3/F.Mar.9 (1) L.May 30 (1)				
Band-tailed Pigeon	F.Mar.10 (3)		F.Apr.19 (1)	F.Apr.6 (1)	F.Apr.6 (2)
Western Mourning Dove			F.Apr.6 (2)	F.May 10 (2)	
Poor-will (Subsp.)	5/F.May 16 (1)				F.Apr.29 (1)
Western Nighthawk	F.May 23 (3)		F.June 3 (2)		F.May 26 (2)
Black Swift					F.June 2 (2)
Vaux's Swift	F.Apr.19 (3)		F.May 29 (1)		F.May 19 (2)
Black-chinned Hummingbird	F.Apr.13 (2)				
Costa's Hummingbird	F.Apr.23 (2)				
Rufous Hummingbird	F.Feb.10 (4)		F.Apr.4 (1)	F.Apr.9 (2)	F.Apr.12 (2)
Allen's Hummingbird	F.Feb.11 (1)				
Western Belted Kingfisher			F.Mar.25 (1)	F.Apr.12 (2)	
Lewis Woodpecker			F.Mar.20 (1)		F.May 17 (2)
Kingbird			F.May 2 (2)		F.June 4 (1)
Arkansas Kingbird	F.Apr.7 (4)		F.May 6 (2)	F.May 17 (2)	F.Apr.30 (1)
Ash-throated Flycatcher	F.May 15 (7)				
Say's Phoebe	L.Mar.2 (1)		L.Mar.26 (2)		F.Mar.19 (1)
Wright's Flycatcher	5/F.June 2 (1)				
Western Flycatcher	F.Mar.12 (1)				
Western Wood Pewee	F.Apr.26 (3)		F.May 10 (1)	F.May 24 (2)	F.May 23 (1)
Olive-sided Flycatcher	F.Apr.17 (1)		F.May 15 (1)		F.May 17 (2)
Violet-green Swallow	F.Feb.29 (2)		F.Mar.16 (1)	F.Mar.15 (2)	F.Mar.12 (2)
Tree Swallow	F.Feb.16 (4)		F.Mar.16 (1)	F.Apr.5 (1)	F.Mar.29 (2)
Rough-winged Swallow	F.Mar.1 (3)			F.Apr.12 (2)	F.Apr.13 (2)
Barn Swallow	F.Mar.13 (3)		F.Mar.23 (2)	F.May 12 (1)	
Cliff Swallow	1/F.Mar.6 (1)			F.Apr.12 (2)	F.Apr.29 (2)
Western House Wren			F.Apr.26 (1)	F.May 7 (1)	F.Apr.23 (2)
Oakbird			F.May 16 (2)		F.May 23 (1)
Western Robin	L.Mar.2 (7)		F.Mar.19 (1)	F.Apr.5 (2)	F.Feb.5 (1)

1/Oakland, Calif.
2/Vallejo, Calif.
3/San Pablo Res., Calif.
4/Oakdale
5/Fresno, Calif.
6/Mt. Eden, Calif.
7/San Francisco, Calif.
1/Multnomah Co., Ore.
2/Lincoln Co., Ore.
1/Mt. Eden, Calif.
2/Modesto, Calif.
3/Oakland, Calif.
4/San Francisco Bay, Calif.
5/Glendora, Calif.
6/Pine Crest, Tuolumne Co., Calif.
7/San Pablo Res., Calif.

Species	California	Utah	Oregon	Washington	British Columbia
Varied Thrush	L.Mar.27 (1)		F.Mar.26 (2)	L.Apr.12 (2)	
Hermit Thrush					F.Apr.26 (2)
Russet-backed Thrush	F.Apr.17 (1)			F.May 17 (1)	F.May 13 (2)
Willow Thrush					F.May 25 (1)
Western Bluebird			F.Apr.1 (2)	F.Mar.15 (2)	F.Mar.6 (1)
Mountain Bluebird	L.Apr.6 (4)		F.Mar.6 (2)		F.Mar.4 (1)
Western Goatsucker	1/F.Apr.10 (1)				
Western Baby-throated Kinglet	L.Apr.7 (1)			F.Mar.29 (2)	
American Pipit	2/L.Apr.12 (1)				F.Apr.13 (2)
Cedar Waxwing	L.May 13 (1)		F.Feb.14 (2)	F.May 17 (2)	F.June 6 (1)
Phainopepla	F.Mar.29 (2)				
Cassins Vireo	3/F.Apr.29 (1)			F.May 3 (2)	F.Apr.20 (2)
Western Warbling Vireo	F.Mar.19 (1)				F.Mar.22 (2)
Orange-crowned Warbler (Subsp.)	F.Feb.16 (3)			F.Apr.5 (2)	F.Apr.12 (2)
Yellow Warbler	F.Apr.10 (3)	F.May 11	F.May 9 (1)	F.May 3 (2)	F.May 2 (2)
Myrtle Warbler	L.Apr.6 (4)				F.Apr.10 (2)
Audubon's Warbler	L.May 1 (7)		F.Apr.10 (1)	F.Mar.5 (2)	F.Mar.18 (2)
Black-throated Gray Warbler			F.Apr.19 (2)		

1/One, Shasta Co., Calif.
2/Oakland, Calif.
3/Strawberry, Calif.

Species	California	Utah	Oregon	Washington	British Columbia
Townsend's Warbler	F.Mar.15 (1) L.Apr.7 (1)				F.Apr.23 (2)
Hermit Warbler	1/F.Apr.29 (1)				
Macgillivray's Warbler	F.Apr.14 (1)			F.Apr.17 (2)	F.Apr.27 (2)
Yellow-throat (Subsp.)			F.Apr.26 (1)	F.Apr.18 (1)	
Long-tailed Chat	F.May 5 (2)		F.May 10 (1)	F.May 17 (2)	
Golden Pileolated Warbler	F.Mar.12 (1)				
Western Meadowlark			F.Mar.12 (2)		F.Mar.13 (1)
Red-wing (Subsp.)	2/F.Mar.8 (1)		1/F.Mar.22 (1)		
Bullock's Oriole	F.Apr.2 (2)		F.May 1 (1)	F.May 10 (2)	F.May 14 (1)
Western Tanager	F.Apr.15 (7)		F.May 7 (1)	F.May 10 (2)	F.May 10 (2)
Black-headed Grosbeak	F.Apr.25 (7)		F.May 20 (2)		
Lazuli Bunting	F.Apr.29 (6)		F.May 10 (2)	F.May 17 (2)	
Western Savannah Sparrow				F.Apr.5 (2)	F.Apr.22 (2)
Western Vesper Sparrow			F.Apr.16 (2)	F.Apr.12 (2)	
Junco (Subsp.)	L.Apr.6 (4)		F.Feb.25 (2)		
Western Chipping Sparrow	F.Apr.6 (4)		F.Apr.20 (2)	F.Apr.17 (2)	F.Apr.15 (1)
White-crowned Sparrow (Subsp.)	L.Apr.27 (5)		F.Mar.29 (1)	F.Apr.12 (2)	F.Apr.17 (1)
Golden-crowned Sparrow	L.May 7 (2)			F.Apr.16 (2)	F.Apr.13 (2)

1/Strawberry, Tuolumne Co., Calif.
2/Orinda, Contra Costa Co., Calif.

1/Siletz Bay, Lincoln Co., Oreg.

Pacific Flyway species for which only one or two dates were reported are:

Old Squaw.--Two were seen at Hale's Pass near the Straits of Georgia, B.C., May 12, by J. M. Edson.

Western Goshawk.--One was noted in the mountains east of Weston, Oreg., May 4, by O. V. Purcell.

Cooper's Hawk.--One seen at Bellingham, Wash., May 23, by J. M. Edson.

Western Red-tailed Hawk.--Two were noted near Weston, Oreg., March 14 by O. V. Purcell; in Vancouver, Wash., two were seen April 12 by Rufus Comstock.

Common Tern.--A flock of 150 were seen at Bellingham Bay, Wash., May 12 by J. M. Edson.

Northern White-headed Woodpecker.--Two noted near Weston, Oreg., March 19 by O. V. Purcell.

Alder Flycatcher.--One was seen at Vancouver, Wash., May 24, by Rufus Comstock.

Horned Lark.--A flock of 150 noted at Weston, Oreg., March 10 by O. V. Purcell.

Common Rock Wren.--Two seen near Weston, Oreg., May 16 by O. V. Purcell.

Northern Shrike.--One noted northeast of Weston, Oreg., March 27 by O. V. Purcell.

Townsend's Solitaire.--Noted at Vancouver, Wash., April 22, by Rufus Comstock.

Yellow-headed Blackbird.--One seen at Vancouver, Wash., May 17, by Rufus Comstock.

Green-backed Goldfinch.--Two reported at Vancouver, Wash., April 12 by R. Comstock.

Interesting winter records from the Pacific Flyway are the following:

Western Gull.--Reported at Vancouver, Wash., from January 4 to 25, by R. Comstock.

Black Phoebe.--Noted at Kernville, Calif., February 10, by Mrs. L. M. Lofberg.

Western Robin.--A flock were noted at Weston, Oreg. January 1 by O. V. Purcell.

Western Bluebird.--Two were seen at Vancouver, Wash., by Rufus Comstock, January 4.

Bohemian Waxwing.--Seven were seen near Weston, Oreg., February 14, by O. V. Purcell.

Lutescent Warbler.--Reported at Azusa, Calif., January 31, by R. S. Woods.