

Report on the Spring Migration-1921

COMPILED BY WITMER STONE

Observers returning schedules

New Jersey

Cape May, H. W. Hand. Moorestown, Miss A. A.
Atlantic City, Mrs. N. S. Mickle, M. A. Linton,
Cromie. Mrs. V. Wierman.
Vineland, Mrs. A. K. Prince. Allentown, Miss Emma
Downtown, W. W. Fair. Gordon.
Mt. Holly, N. D. W. Pumyea. Princeton, C. H. Rogers.

Pennsylvania

Concordville, Miss E. P. and Doylestown, G. MacReynolds.
J. F. Styer. Byberry, Miss Francis Rich-
Media, Miss L. G. Allen. ardson.
Swarthmore, Samuel C. Pal- Merion, G. H. Beatty, Jr.
mer, P. E. Howard. Frankford, R. F. Miller.
Addingham, D. E. Culver. Mt. Airy, R. W. Barker.
Lansdowne, J. D. Carter. Ardmore, W. L. Baily.
Penfield, Del. Co., Miss M. Haverford, W. J. Serrill.
Cornelius. Samuel Scoville, Jr.
Fairmount Park, Phila., Miss Buckingham, Miss E. D.
C. J. Clair. Broadhurst.
Wayne, C. E. Alexander. George School, Miss Grace L.
West Chester, R. P. Sharples. Thwing.
West Chester, I. G. Roberts. Newtown, J. E. Packer.
West Chester, Mrs. H. P. Collegeville, W. A. Kline.
Brinton. Greencastle, G. F. Ziegler, Jr.
Darling P. O., Miss M. W. Reading, E. L. Poole.
Daley. Lopez, Otto Behr.
Carversville, Miss E. C. Cox.
Jeffersonville, R. J. Middle-
ton.

Delaware

Wilmington, Mrs. H. W. Fox.

PROCEEDINGS OF THE

NAME	Moorestown, N. J. N. 1; E. 12.	Media, Pa. S. 2; W. 12.	Swarthmore, Pa. S. 3; W. 10.	Lansdowne, Pa. S. 1; W. 6.	Addingham, Pa. S. 1; W. 8.	Ardmore and Haverford, Pa. N. 4; W. 8.	Merton, Pa. N. 3; W. 4.	Wayne, Pa. N. 6; W. 11.	Byberry, Pa. N. 14; E. 5.	Germanstown, Phila. N. 6; W. 1.	Rainmount Park, Phila. N. 0; W. 2.	Frankford, Phila. N. 5; E. 5.	Bulk Arrival, 1921.
Canada Goose.	Mar. 9	Mar. 9	Mar. 9	Mar. 9	Mar. 4	Mar. 9	Mar. 9	Mar. 19	Mar. 19	Mar. 16	May 2	Apr. 29	Apr. 29
Green Heron	May 8	May 7	May 7	May 7	May 9	Apr. 17	Apr. 17	May 7	May 7	Apr. 30	May 2	Apr. 18	Apr. 17
Night Heron	May 22	May 22	May 22	May 22	May 9	Apr. 17	Apr. 17	May 7	May 7	Apr. 10	Apr. 28	Apr. 18	Apr. 17
Spotted Sandpiper.	May 8	May 14	May 14	May 14	May 12	May 3	May 3	May 7	Apr. 28	May 7	Apr. 28	Apr. 26	Apr. 28
Solitary Sandpiper.	Mar. 3	Mar. 6	Mar. 6	Mar. 6	May 12	May 15	May 15	May 7	Apr. 28	May 15	May 13	May 6	May 7
Killdeer	Mar. 3	Mar. 6	Mar. 6	Mar. 6	May 12	May 15	May 15	May 7	Apr. 28	May 15	May 13	May 6	May 7
Dove.	Feb. 17	Mar. 13	Mar. 13	Mar. 13	Mar. 4	Mar. 9	Mar. 9	Mar. 6	Mar. 1	Mar. 12	Mar. 12	Mar. 22	Mar. 3
Osprey.	Apr. 11	Apr. 21	Apr. 21	Apr. 21	Mar. 4	Mar. 9	Mar. 9	Mar. 6	Mar. 19	Feb. 23	Mar. 14	Mar. 14	Mar. 6
Turkey Vulture.	Mar. 11	Apr. 21	Apr. 21	Apr. 21	Apr. 24	Mar. 13	Mar. 13	Mar. 6	Mar. 19	Apr. 23	May 8	Mar. 2	Mar. 11
Yellow-billed Cuckoo	May 7	June 2	June 2	June 2	May 13	May 13	May 13	Mar. 6	Mar. 19	Mar. 20	May 19	May 14	May 13
Black-billed Cuckoo	May 8	May 16	May 16	May 16	Mar. 4	Mar. 26	Mar. 26	Mar. 19	Mar. 28	Apr. 6	Apr. 13	Apr. 11	Mar. 26
Kingfisher	May 8	Apr. 23	Apr. 23	Apr. 23	Mar. 4	Mar. 26	Mar. 26	Mar. 19	Mar. 28	Apr. 6	Apr. 13	Apr. 11	Mar. 26
Yellow-bellied Sapsucker.	Mar. 25	Mar. 9	Mar. 9	Mar. 9	Mar. 4	Mar. 26	Mar. 26	Mar. 19	Mar. 28	Apr. 6	Apr. 13	Apr. 11	Mar. 26
Red-headed Woodpecker.	Mar. 25	Mar. 9	Mar. 9	Mar. 9	Mar. 4	Mar. 26	Mar. 26	Mar. 19	Mar. 28	Apr. 6	Apr. 13	Apr. 11	Mar. 26
Flicker.	Mar. 13	Mar. 7	Mar. 7	Mar. 7	Mar. 4	Mar. 26	Mar. 26	Mar. 19	Mar. 28	Apr. 6	Apr. 13	Apr. 11	Mar. 26
Whip-poor-will.	May 18	May 10	May 10	May 10	Mar. 12	Mar. 11	Mar. 11	Mar. 20	Feb. 27	Jan. 28	Apr. 11	Mar. 14	Mar. 7
Nighthawk	May 18	May 10	May 10	May 10	Mar. 12	Mar. 11	Mar. 11	Mar. 20	Feb. 27	Jan. 28	Apr. 11	Mar. 14	Mar. 7
Hummingbird.	Apr. 24	Apr. 15	Apr. 15	Apr. 15	May 26	May 23	May 23	May 9	May 9	May 15	Apr. 27	May 20	May 20
Chimney Swift	Apr. 24	Apr. 30	Apr. 30	Apr. 30	Apr. 28	Apr. 24	Apr. 24	May 9	May 9	May 15	Apr. 27	Apr. 25	Apr. 25
Hummingbird.	May 7	Apr. 25	Apr. 25	Apr. 25	Apr. 28	Apr. 24	Apr. 24	May 9	May 9	May 15	Apr. 27	Apr. 25	Apr. 25
Kingbird	May 8	Apr. 29	Apr. 29	Apr. 29	May 8	May 8	May 8	May 9	May 9	May 15	Apr. 27	Apr. 25	Apr. 25
Crested Flycatcher.	May 15	May 15	May 11	May 11	May 17	May 14	May 14	May 9	May 9	May 15	Apr. 27	Apr. 25	Apr. 25
Phoebe.	Mar. 15	Apr. 10	Mar. 26	Mar. 16	Mar. 9	Mar. 12	Apr. 10	Mar. 12	Mar. 14	Mar. 7	May 16	May 12	May 12

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Wood Pewee	May 19		May 16		May 21	May 14	May 1			May 14	May 27	May 17	May 15
Acadian Flycatcher	May 6		May 15			May 22				May 20			
Least Flycatcher	May 11		May 14			May 13					May 9	Apr. 26	May 6
Bobolink			May 14	May 13		May 15						Apr. 29	May 11
Cowbird	Mar. 11	Mar. 26	May 14	Mar. 21	May 4	Mar. 12	Mar. 27			Mar. 27		Mar. 7	Mar. 25
Red-winged Blackbird	Mar. 11	Apr. 10	Mar. 7	Mar. 9	Mar. 2	Mar. 12	Mar. 5		Mar. 3	Mar. 12		Mar. 8	Mar. 3
Meadow Lark	May 15		Feb. 17	Mar. 6		Feb. 13	Mar. 6	Mar. 12	Jan. 13	Mar. 11		Mar. 8	Mar. 6
Orchard Oriole	May 9	May 11	May 3	May 7	May 1	May 13	May 10	Mar. 12		May 11		May 13	May 13
Baltimore Oriole	May 8	May 9	May 3	May 7	May 1	May 3	Apr. 27	May 16		May 11		May 3	May 7
Rusty Blackbird	Feb. 2	Mar. 2	Mar. 2	Mar. 2	Mar. 1	Feb. 13	Feb. 28	Mar. 5	Mar. 1	Apr. 6		Mar. 6	Feb. 15
Purple Grackle	Mar. 25	Mar. 25	Apr. 29	Mar. 25		Mar. 25	Mar. 27		Mar. 20	Feb. 17		Mar. 5	Mar. 25
Vesper Sparrow	Apr. 28		May 7			Mar. 25				Mar. 24		Apr. 11	
Savanna Sparrow	Mar. 25	Mar. 26	Mar. 21	Mar. 16	Apr. 26	Apr. 17	Mar. 26			Mar. 27		Apr. 26	Apr. 26
Grasshopper Sparrow	Mar. 7	Mar. 9	Mar. 8	Mar. 17		Mar. 25	Mar. 5			Mar. 27		Apr. 5	Mar. 25
Chipping Sparrow	Apr. 24					Apr. 17	Mar. 26			Mar. 27		Apr. 11	
Field Sparrow	Apr. 16	Apr. 10	Apr. 25	Mar. 2		Apr. 17	Apr. 24		Mar. 20	Mar. 15		Apr. 26	Apr. 26
Swamp Sparrow	May 15	May 15	May 13	Mar. 2		May 13	Apr. 24			Mar. 15		Mar. 14	Mar. 7
Fox Sparrow	May 15	May 15	May 13	Apr. 18	Apr. 18	Mar. 6	Apr. 5			Feb. 20		Mar. 14	Apr. 24
Chewink	May 15	May 15	May 13	Apr. 18	Apr. 18	Mar. 13	Apr. 24			Apr. 17		Mar. 14	Mar. 2
Rose-breasted Grosbeak	May 15	May 15	May 13	May 11	May 10	May 10	May 4			May 14		Mar. 19	Apr. 16
Indigobird	May 15	May 8	May 13	May 11	May 10	May 11	May 6			May 14		May 9	May 4
Scarlet Tanager	Apr. 5			May 11	May 10	May 10	May 10	May 8		May 14		May 8	May 10
Purple Martin							May 6			May 14		May 2	

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Cliff Swallow			Apr. 15		Apr. 30	Apr. 16	Apr. 28			Apr. 29	May 6	Apr. 16	Apr. 16
Barn Swallow	Apr. 25		Apr. 15		Apr. 30	Apr. 16	Apr. 27			Apr. 29	May 6	Apr. 16	Apr. 16
Tree Swallow	Apr. 25					May 10	Apr. 27			Mar. 25	May 11	May 11	May 10
Bank Swallow						Apr. 29	Apr. 27			May 7		Apr. 26	
Rough-winged Swallow						Apr. 29	Apr. 27						
Cedar Bird		Mar. 8	Mar. 7			Mar. 7	May 7			Mar. 13		Apr. 26	Mar. 7
Red-eyed Vireo	May 11	May 17	May 13	May 10	May 10	May 4	May 10	May 15		May 13	May 8	May 10	May 10
Warbling Vireo	May 16	May 7	May 7	May 11		May 14	May 10	May 15		May 18	May 11	May 24	May 11
Yellow-throated Vireo	May 8		May 13	May 10		May 15				May 11	May 12		May 12
Solitary Vireo			May 9	Apr. 24		May 2							
White-eyed Vireo	Apr. 24		May 7	May 13		May 15	May 20			Apr. 20			May 8
Black and White Warbler	Apr. 24	May 12	Apr. 30	May 6	May 1	Apr. 29	May 6			May 11	May 2		Apr. 30
Worm-eating Warbler			May 9	May 13		May 15				May 11			May 11
Blue-winged Warbler	Apr. 28	May 8	May 2		May 11	May 13				Apr. 30	May 11	May 16	May 8
Parula Warbler	May 11		May 12	May 10		May 11	May 8			May 11			May 11
Yellow Warbler	Apr. 18		May 9	Apr. 28	May 4	May 8	Apr. 27			May 8	May 12	Apr. 26	Apr. 27
Black-throated Blue Warbler	May 15		May 11	May 10	May 1	May 10				May 11	May 8	May 16	May 10
Myrtle Warbler	Apr. 12	Apr. 4	Apr. 1	Apr. 19	Apr. 24	Mar. 13	Apr. 24			Apr. 14	May 2		Apr. 11
Magnolia Warbler	May 13		May 13	May 14	May 13	May 13				May 13	May 17	May 16	May 13
Chestnut-sided Warbler	May 8		May 13			May 2	May 8			May 13	May 16	May 13	May 13
Black-poll Warbler	May 13	May 15	May 15	May 18	May 10	May 13	May 8			May 13	May 17	May 21	May 13
Blackburnian Warbler	May 15		May 13	May 13		May 15	May 8			May 13	May 17	May 16	May 15
Black-throated Green Warbler	May 15	May 8	May 9	May 6		May 2	May 8			May 1	May 8	May 16	May 15
												May 7	May 7

Pied-billed Grebe, *Podilymbus podiceps*. Princeton, N. J., October 3–November 25 and March 13–April 10 (Rogers); Germantown, Phila., April 18 (Barker); Newtown, March 22 (Packer); Reading, August 25–October 29 (1 to 6) and March 13–April 10 (Poole).*

Horned Grebe, *Colymbus auritus*. Princeton, N. J., November 23 (1) (Rogers); Reading, April 16 (Poole).

Loon, *Gavia immer*. Cape May Point, N. J., 150 to 200 April 10 (Hand); Princeton N. J., April 26, one flying over (Rogers); Reading, April 9 and May 1 (Poole).

Bonaparte's Gull, *Larus philadelphia*. Princeton, N. J., May 6 (1 after N. E. storm) (Rogers); Camden, N. J., April 25 (2) and October 4 (many) (Miller).

Ring-billed Gull, *Larus delawarensis*. Bellingsport, March 12 (a few) (Miller).

Herring Gull, *Larus argentatus*. Princeton, N. J., November 21–March 2, irregular (Rogers); Frankford, Phila., November 3–May 11 rare after April 15 (Miller); Stone Harbor, N. J., January 26 (2); July 3 (10), July 17 (12), all immature (Miller); Chester, May 15 (2) (Miller); Swarthmore, April 13 (2) (Palmer); Wayne, March 6 (4) (Alexander).

Laughing Gull, *Larus atricilla*. Cape May, April 17 (Hand); Atlantic City, N. J., May 8 (Cromie); Philadelphia on the Delaware, May 15–19 and September 11–October 11 (Miller).

Least Tern, *Sterna antillarum*. Cape May Point, N. J., May 30, several (Miller).

Black Tern, *Chlidonias nigra surinamensis*. Reading, August 8–9, 1920 (Poole).

American Merganser, *Mergus americanus*. Princeton, N. J., November 23–December 24 and March 2–13 (Rogers); Reading, February 19 (3) (Poole).

Red-breasted Merganser, *Mergus serrator*. Cape May, N. J., April 17 (Hand).

Hooded Merganser, *Lophodytes cucullatus*. Princeton, N. J., November 21–23 immature and an adult December 24 (Rogers).

Mallard, *Anas platyrhynchos*. Princeton, N. J., October 31 (1) and April 3 (4) (Rogers); Pennsville, N. J., a pair, May 15 (Miller).

* Localities in Pennsylvania and dates in 1921, unless otherwise indicated.

Black Duck, *Anas rubripes tristis*. Princeton, February 6 - April 10 (Rogers); Womelsdorf, Berks Co., November 20 (Poole).

Green-winged Teal, *Nettion carolinense*. Princeton, N. J., April 3 female (Rogers).

Pintail, *Dafla acuta*. Princeton, N. J., March 2 (5) (Rogers).

Wood Duck, *Aix sponsa*. Princeton, N. J., March 13 (Rogers); Salem, N. J., nest and six eggs, April 17 (8 eggs by May 1) (Miller); Newtown, March 13 (Packer); Collegeville, on Skippack Creek, nest and 11 eggs (Kline); Reading, August 24 (10) and September 12 (6) (Poole).

Scaup, *Marila marila* (or *affinis*). Princeton, N. J., March 6 and April 10 (5) (Rogers); Reading, April 9 and May 1 (Poole).

Golden-eye, *Glancionetta clangula americana*. Princeton, N. J., November 21 (2); November 28 (1) (Rogers); Reading, April 16 (2) (Poole).

White-winged Scoter, *Oidemia deglandi*. Princeton, N. J., November 28 (4) (Rogers).

Ruddy Duck, *Erismatura jamaicensis*. Princeton, N. J., November 1-21 fairly common (Rogers).

Canada Goose, *Branta canadensis canadensis*. Cape May, N. J., all winter, November 21 large numbers, 14 flocks seen (Hand) probably 1000 birds in sight at one time; West Chester, March 16 and 17 flocks passing over (Sharples); Wormelsdorf, Berks Co., December 4 and 20 (2) (Poole).

Mute Swan, *Cygnus olor*. Thorofare Island, Barnegat Bay, N. J., January 11, 1921 (4) (Culver).

Coot, *Fulica americana*. Princeton, N. J., October 16-November 21 (Rogers).

Virginia Rail, *Rallus virginianus*. Princeton, N. J., April 17 (Rogers).

King Rail, *Rallus elegans*. Pennsville, N. J., April 17 (Miller); Cape May, N. J., May 30, nest and 9 eggs (Miller).

Clapper Rail, *Rallus crepitans*. Cape May, N. J., April 17 (Hand).

Bittern, *Botaurus lentiginosus*. Cape May, N. J., April 10

(Hand); Cape May, N. J., nest and five eggs May 22 another with two nestlings, May 30 (Miller); Princeton, N. J., April 10 (Rogers); Bridesburg, Phila., nest and five eggs (Miller) Bechersville, Berks Co., November 4 (Poole); Lopez, May 10 (Behr).

Great Blue Heron, *Ardea herodias herodias*. Delaware City, Del., feeding young in the nest May 15 (Fox); Buckshutem, N. J., October 24 and November 21 (Prince); Moorestown, N. J., May 15 (Linton); Princeton, N. J., to October 22, 1920 and April 3-10 (Rogers), Pennsville, N. J., March 13, thirty already in the herony (Miller); Concordville, April 23 (Styer); Lopez, April 13 (Behr).

Least Bittern, *Ixobrychus exilis*. Princeton, N. J., May 8 (Rogers).

Green Heron, *Butorides virescens*. Buckshutem, N. J., April 2 (Prince).

Egret, *Casmerodius egretta*. Rancocas Creek, N. J., five from July to September (Pumyea); Moselem, Berks Co., August 22 and 23, 1920 (Poole).

Little Black Rail, *Creciscus jamaicensis*. Stone Harbor, N. J., June 12 nest and 7 eggs (Miller).

Woodcock, *Philohela minor*. Cape May, N. J., a flight, October 29-30 (Hand); Pennsville, N. J., March 13, April 17 and May 1; Peermont, N. J., July 17 (Miller); Bustleton, Phila., June 7 and 14 and Holmesburg, Phila., October 24 (Miller); Reading, October 10, March 13 and 20 (Poole).

Wilson's Snipe, *Gallinago delicata*. Cape May, N. J., March 7 (Hand); Princeton, N. J., March 20 (Rogers); Center Square, March 19 (Miller); West Chester, March 17 (Sharples); Newtown, April 4 (Packer); Reading, March 20 (4) (Poole).

Upland Plover, *Bartramia longicauda*. Lower Penn's Neck, N. J., March 20 (2) (Miller); Center Square, March 25 and 30 (Miller); Reading, two pair bred near Walnuttown, June 6 1920 (Poole); seen also August 12 and 15 at Reading, April 24 at Sinking Spring and May 22 at Moselem (Poole).

Hudsonian Curlew, *Numenius hudsonicus*. Cape May, N. J., April 16 (Hand).

Willet, *Catoptrophorus s. semipalmatus*. Stone Harbor, N. J., July 17 (Miller).

Least Sandpiper, *Pisibia minutilla*. Cape May, N. J., April 17 (Hand); Atlantic City, N. J., May 30 (Cromie); Reading, August 8 (8) and up to September 11 (Poole).

Semipalmated Sandpiper, *Ereunetes pusillus*. Atlantic City, N. J., May 30 (Cromie); Reading, August 8-September 18 (Poole).

Greater Yellow-legs, *Totanus melanoleucus*. Cape May, N. J., March 20 (Hand); Atlantic City, N. J., May 30 (Cromie); Princeton, N. J., October 31, April 17 and May 21 (Rogers); Cape May Point, N. J., May 30 (Miller).

Lesser Yellow-legs, *Totanus flavipes*. Richmond, Phila., August 15 (Miller); Reading August 8 and 9, 25 and 26 (Poole).

Solitary Sandpiper, *Tringa s. solitaria*. Westtown, May 22 (Roberts).

Killdeer, *Oxyechus vociferus*. Buckshutem, N. J., young leaving eggs, April 25 (Prince); Center Square, February 26 (Miller).

Piping Plover, *Charadrius melodus*. Cape May, N. J., April 10, a pair (Hand).

Semipalmated Sandpiper, *Charadrius semipalmatus*. Atlantic City, N. J., May 30 (Cromie); Stone Harbor, N. J., July 17 eleven (Miller); Reading, August 8-September 18, abundant (Poole).

Ruffed Grouse, *Bonasa umbellus umbellus*. Wall Pond, Cape May Co., N. J., ten on December 16 (Hand).

Ring-neck Pheasant, *Phasianus colchicus*. Center Square, common (Miller).

Mourning Dove, *Zenaidura macroura carolinensis*. Salem, N. J., April 16, nest on the ground, two eggs (Scoville); West Chester, December 5 (2) (Roberts).

Turkey Vulture, *Cathartes aura septentrionalis*. Pennsgrove, N. J., nest and two fresh eggs, April 10 (Miller); Newtown Square, May 8, nest and two young just hatched (Miller).

Cooper's Hawk, *Accipiter cooperi*. Haddonfield, N. J., nest and three eggs April 25 (Miller); Franklinville, January 13, 20 and February 12 (Miller).

Bald Eagle, *Haliaeetus leucocephalus*. January 1, two, one of which was shot eating small pig it had killed. West Chester, two on March 27 and 30; Gonglersville, May 21 (Sharples).

Golden Eagle, *Aquila chrysaetos*. Topton, Pa., October 25, 1920, one shot and examined (Poole).

Red-tailed Hawk, *Buteo b. borealis*. Princeton, N. J., October 10–March 20 (Rogers); Reading, October 16–March 5 (Poole).

Red-shouldered Hawk, *Buteo l. lineatus*. Frankford, Phila., October 15–March 26 (Miller).

Broad-winged Hawk, *Buteo platypterus*. Princeton, N. J., April 24 (Rogers); Holmesburg, April 5, and Whitemarsh, nest and three eggs May 16 (Miller); West Chester, nest and 3 eggs May 8 (Sharples).

Duck Hawk, *Falco peregrinus anatum*. Princeton, N. J., January 20 (Rogers); Center Square, January 15 and 26, and February 17 (Miller); Reading, August 14 following flocks of Blackbirds going to roost (Poole).

Pigeon Hawk, *Falco c. columbarius*. Princeton, N. J., October 10 (Rogers); Doylestown, November 6 and 13, 1921 (MacReynolds).

Barn Owl, *Tyto pratincola*. White Marsh, April 24–May 16 and Holmesburg, April 5 (Miller); Reading, August 23 one shot (Poole); Sinking Spring, Berks Co., nest and 2 eggs (Poole); Concordville, May 26 (Styer).

Osprey, *Pandion h. carolinensis*. Lopez, April 27 (Behr); Buckshutem, N. J., February 18 (Prince).

Barred Owl, *Strix varia*. Cape May, N. J., May 22 pursued by Crows (Miller).

Long-eared Owl, *Asio wilsonianus*. Mt. Holly, N. J., December 26 (Pumyea); Princeton, N. J., eight wintered (Rogers); Gwynedd Valley, nest and 4 eggs April 9 (Miller); Pennsgrove, N. J., nest and 4 eggs April 10 and another with 5 eggs April 17, also nest and 4 eggs at Oreland, April 19 (Miller); Beckersville, November 7 and Adamstown, December 3 (Poole).

Short-eared Owl, *Asio flammeus*. Princeton, N. J., March 13 (Rogers).

Saw-whet Owl, *Cryptoglaux acadica*. Princeton, N. J., December 24 (Rogers).

Kingfisher, *Ceryle a. alcyon*. Gwynedd Valley, February 5 (Miller).

Flicker, *Colaptes auratus luteus*. Cape May, N. J., a flight, October 5 (Hand); Belfry, Phila., February 18 and 23 (Miller); West Chester, November 7 and 14 and December 26, one each time (Roberts).

Hairy Woodpecker, *Dryobates v. villosus*. Swarthmore, January 18 and March 6 (Palmer).

Downy Woodpecker, *Dryobates pubescens medius*. Swarthmore, June 2, young ready to fly (Palmer).

Red-headed Woodpecker, *Melanerpes erythrocephalus*. Pennsville, N. J., March 13 (2) (Miller).

Yellow-bellied Sapsucker, *Sphyrapicus varius varius*. Moorestown, N. J., November 26, 1920 (Mickle); Pennsville, N. J., March 13 (Miller); Reading, December 24 (Poole).

Chimney Swift, *Chaetura pelagica*. West Chester, May 6 about 1000 flew over (Sharples).

Arkansas Kingbird, *Tyrannus verticalis*. Princeton, N. J., November 14 a single bird—see Auk, XXXVIII, p. 117 (Rogers).

Olive-sided Flycatcher, *Nuttallornis borealis*. Lopez, June 3 (Behr).

Phoebe, *Sayornis phoebe*. Reading, December 18 and February 27 (Poole); Angelica, Berks Co., March 5 (Poole).

Alder Flycatcher, *Empidonax trailli alnorum*. Princeton, N. J., June 5, two singing (Rogers).

Yellow-bellied Flycatcher, *Empidonax flaviventris*. Reading, September 2 (2) and May 14; Bernharts, Berks Co., September 8 (2) (Poole).

Whip-poor-will, *Antrostomus v. vociferus*. Cape May, N. J., September 2 (Hand).

Horned Lark, *Otocoris alpestris alpestris*. Princeton, N. J., November 21–April 3, irregular (Rogers); Center Square, February 18 (80) and 26 (3) (Miller); Newtown, January 12 (25) (Packer); Reading, November 14–February 27 common (Poole).

Prairie Horned Lark, *Otocoris alpestris praticola*. Reading, February 27 (Poole).

Blue Jay, *Cyanocitta c. cristata*. Wayne, none till April 25 (Alexander); West Chester, none till April 27 (Roberts); Reading, none from October 23 to April 10 (Poole).

Cowbird, *Molothrus a. ater*. Tinicum, February 16 (8) (Miller).

Redwinged Blackbird, *Agelaius phoeniceus phoeniceus*. Princeton, N. J., a flock of 69 females and one male wintered (Rogers); Buckshutem, N. J., a flock of 1000 on the meadows on February 10 (Prince); Tinicum, February 16 (12) (Miller).

Bobolink, *Dolichonyx oryzivorus*. Richmond, Phila., a female on the Delaware marshes, June 13 (Miller).

Purple Grackle, *Quiscalus quiscula quiscula*. Vineland, N. J., January 5 (Prince).

Rusty Blackbird, *Euphagus carolinus*. Reading, February 1 (2) (Poole).

Red Crossbill, *Loxia curvirostra minor*. West Chester, May 5 (8) (Ehinger) May 21 (1) (Roberts).

Henslow's Sparrow, *Passerherbulus henslowi*. Smyrna, Del., nest completed May 28 (Scoville); Pennsville, April 17 many (Miller).

Savannah Sparrow, *Passerculus sandwichensis savanna*. Center Square, last seen, May 12 (Miller).

Goldfinch, *Astragalinus tristis tristis*. Princeton, N. J., none from January 3 to March 6 (Rogers); West Chester, none till April 15 (Roberts).

Purple Finch, *Carpodacus p. purpureus*. Frankford, Phila., October 11 (Miller).

Lincoln's Sparrow, *Melospiza l. lincolni*. Princeton, N. J., May 15 (1) (Rogers).

Tree Sparrow, *Spizella m. monticola*. Mount Holly, N. J., December 12–March 6 (Pumyea); Princeton, N. J., November 7–April 3 (Rogers); Frankford, October 7–March (Miller); West Chester, November 11–February 24 (Roberts); Reading, November 6–March 5 (Poole).

White-throated Sparrow, *Zonotrichia albicollis*. Vineland, N. J., November 16–May 14 (Prince); Moorestown, N. J., October 7–April 28 (Mickle); Mt. Holly, N. J., September 29–May 11 (Pumyea); Princeton, N. J., October 6–May 22 (Rogers);

Frankford, September 19–May 16 (Miller); Swarthmore, April 25–May 9 (Palmer); Haverford, last seen May 15 (Scoville); Ardmore, five wintered (Baily); Darling, October 24–April 20 (Daley); West Chester, October 20–May 9 (Roberts); Carversville, Berks Co., October 8–December 21 and March 9–May 3 (Cox); Reading, September 25–May 15 (Poole).

White-crowned Sparrow, *Zonotrichia l. leucophrys*. Doylestown, October 23, 1921 (MacReynolds); Greencastle, May 9 (Ziegler); Reading, October 10, 1920 (Poole) and May 8, 14 and 19 (Poole).

Fox Sparrow, *Passerella i. iliaca*. Wintered at Frankford, Holmesburg and Bustleton (Miller); Darling, a flock, October 25 and a few December 11 (Daley).

Swamp Sparrow, *Melospiza georgiana*. Holmesburg, January 6 (Miller).

Junco, *Junco hyemalis hyemalis*. Vineland, N. J., November 21–March 20 (Prince); Downstown, N. J., October 10–April 6 (Fair); Moorestown, N. J., October 11 (Mickle); Mt. Holly, N. J., October 8–April 3 (Pumyea); Princeton, N. J., October 4–May 8 (Rogers); Frankford, October 6–April 12 (Miller); West Chester, November 7–March 27 (Roberts); Carversville, September 20–April 23 (Cox); Reading, October 13–March 25 (Poole).

Towhee, *Pipilo e. erythrophthalmus*. Princeton, N. J., male December 24 (Rogers); Pennsville, N. J., March 13 (Miller).

Scarlet Tanager, *Piranga erythromelas*. Bridgeton, N. J., June 19 (Prince).

Migrant Shrike, *Lanius ludovicianus migrans*. West Chester, December 17 (Roberts); Doylestown, December 11–February 5 (MacReynolds).

Tennessee Warbler, *Vermivora peregrina*. Moorestown, N. J., May 9 (Wireman); Princeton, N. J., May 18 singing (Rogers); Lansdowne, May 18 (Carter); West Chester, May 9 and 17 (Roberts); Haverford, May 15 (Scoville); Concordville, May 13 (Styer); Reading, May 15 (Poole); Lopez, May 13 (Behr).

Golden-winged Warbler, *Vermivora chrysoptera*. Lansdowne, (Carter); Haverford, May 13 (Scoville); Concordville, May 15 (Styer); Reading, May 6 (Poole).

Nashville Warbler, *Vermivora r. ruficapilla*. Haverford, May 13 (Scoville); Reading, May 14 (Poole); Princeton, N. J., October 3–May 13 (Rogers).

Bay-breasted Warbler, *Dendroica castanea*. Princeton, N. J., May 16, 19 and 22 (Rogers); West Chester, May 17 (1) (Roberts); Reading, May 14 (Poole).

Palm Warbler, *Dendroica palmarum palmarum*. Princeton, N. J., October 3 and 24 (Rogers).

Pine Warbler, *Dendroica vigorsi*. Pennsville, N. J., March 13 (Miller).

Cape May Warbler, *Dendroica tigrina*. Moorestown, N. J., May 11 (Wireman); Concordville, May 12 (Styer); Reading, May 13 (2), 14 (2) (Poole); Haverford, May 9 (Scoville).

Myrtle Warbler, *Dendroica coronata*. Darling, abundant, April 24–May 15 (Daley); Reading, December 12 (Poole); Haverford, January 16 (3) single ones on other dates in winter, migrants April 17 (Serrill).

Connecticut Warbler, *Oporornis agilis*. Reading, September 25 (2) (Poole).

Maryland Yellowthroat, *Geothlypis trichas trichas*. Reading, December 18 (Poole).

Wilson's Warbler, *Wilsonia pusilla pusilla*. Princeton, N. J., May 15 (Rogers); Concordville, March 29 (Styer); Mohreton, Berks Co., May 21 (Poole); Haverford, May 15 (Scoville and Serrill).

Hooded Warbler, *Wilsonia citrina*. Cape May, N. J., April 21 (Hand); Princeton, N. J., May 15 (Rogers); Pennsville, N. J., May 1 (Miller); Hamburg, several May 22 (Poole).

Water-Thrush, *Seiurus n. noveboracensis*. Vineland, N. J., October 14 (Prince); watched it for five minutes.

Louisiana Water Thrush, *Seiurus motacilla*. Chestnut Hill, Phila., June 28 one on the Wissahickon (Miller); Reading, May 7 (Poole).

Pipit, *Anthus rubescens*. Princeton, N. J., abundant September 26–November 14 (Rogers); Newtown, March 13 (30) April, 8 (20) (Packer); Doylestown, November 6, 1921, 500 (MacReynolds); Reading, March 26 (25) (Poole).

Mockingbird, *Mimus p. polyglottos*. One wintered at Princeton, N. J. (Rogers).

Carolina Wren, *Thryothorus l. ludovicianus*. Downstown, N. J., none in the winter of 1921 (Fair).

Bewick's Wren, *Thryomanes b. bewicki*. Nested at Greencastle, April 7 (Ziegler).

Winter Wren, *Nannus h. hiemalis*. Mt. Holly, N. J., October 8 (Pumyea); Princeton, N. J., October 3–March 20 (Rogers); Frankford, Phila., September 20–November (Miller); Reading, one on October 16 (Poole) only record.

Brown Creeper, *Certhia familiaris fusca*. Moorestown, N. J., November 3–April 3 (Mickle); Mt. Holly, N. J., October 8–March 25 (Pumyea); Frankford, Phila., October 11–November (Miller); Darling, October 15 (Daley); Reading, abundant October 15–April 10 (Poole).

Carolina Chickadee, *Penthestes c. carolinensis*. West Chester, May 21 (Roberts) probably this species from the date.

Black-capped Chickadee, *Penthestes a. atricapillus*. Between High Falls and Ringing Rocks, Bridgeton Twp., Bucks Co., July 1920, 20–30 (MacReynolds), first summer record; Ardmore, February 1 (4) (Baily).

Tufted Titmouse, *Baeolophus bicolor*. Reading, local, only two groups known (Poole).

Blue-gray Gnatcatcher, *Poliopitila c. caerulea*. Pennsville, N. J., May 1 (3) (Miller).

Golden-crowned Kinglet, *Regulus satrapa satrapa*. Moorestown, N. J., November 26–April 16 (Mickle); Mt. Holly, N. J., October 10–March 10 (Pumyea); Princeton, N. J., October 6–April 5 (Rogers); Frankford, Phila., October 4 (Miller); Reading, October 16–March 13 rather scarce (Poole).

Ruby-crowned Kinglet, *Regulus c. calendula*. Princeton, N. J., December 24 (2) (Rogers); Darling, October 15–November 7 (Daley); Concordville, February 21 and March 12 (Styer); Reading, February 27 (Poole).

Hermit Thrush, *Hylocichla guttata pallasi*. Vineland, N. J., November 7 (Prince); Delaware City, Del., March 27 (Miller).

Robin, *Planesticus m. migratorius*. Six pairs nesting March 27, eggs April 6, young April 25 (Beatty).