

BIRDS CALENDAR - 1934 - 30th YEAR

BULLETIN NO. 3 - OCT. 5

The period covered by this bulletin is the months of June, July, and August. Weather statistics for these months are given in the following table:

Month	Mean Temp. for month	Normal temp. for month (Av. of many yrs)	Total precipi- tation for month	Normal precipi- tation for month
June	73.6°F.	67.1°F.	2.26 in.	3.12 in.
July	76.0	71.4	2.70	3.45
August	70.0	70.0	2.46	2.77

The effect of the droughth and hot weather of May, June, and July on the vegetation was very evident. The beech tree seemed to suffer especially, with many dying, and trees of several other species were also injured. What effect the droughth may have had on bird-life is not at present evident.

Nesting censuses have been reported from three areas. In the 15 acres of the Baldwin Bird Sanctuary at Gates Mills, which includes domestic buildings, lawns, gardens, orchards, and open woods, the following number of nests of different species was recorded:

1. Robin	56 nests	11. Yellow Warbler	4 nests
2. Song Sparrow	28	12. Bluebird	2
3. Catbird	16	13. Phoebe	2
4. English Sparrow	16*	14. Flicker	2
5. House Wren	15	15. Hairy Woodpecker	1
6. Chipping Sparrow	14	16. Baltimore Oriole	1
7. Starling	8	17. Cardinal	1
8. Mourning Dove	7	18. Wood Thrush	1
9. Cedar Waxwing	7	19. Goldfinch	1
10. Purple Martin	6	Total	<hr/> 188 nests

or 12.5 per acre.

*All the English Sparrow Nests were destroyed where possible.

The actual number of nesting pairs on this area was not determined except in a few instances, but a careful estimate would place the number at approximately 110, or 7.3 pairs per acre.

Dr. B. T. Barnes submitted the following record of birds nesting on 30 acres of moist woodland (beech, hemlock, and maple) in Ashtabula County. To compile this list, 20 hours of observation were made during the month of June.

1.	Ovenbird	11 pairs	11.	Cerulean Warbler	1 pair
2.	Wood Thrush	11	12.	Yellow-throated Vireo	1
3.	Scarlet Tanager	7	13.	Louisiana Water-Thrush	1
4.	Red-eyed Vireo	7	14.	Downy Woodpecker	1
5.	Rose-breasted Grosbeak	5	15.	Hairy Woodpecker	1
6.	Wood Pewee	4	16.	Flicker	1
7.	Robin	3	17.	Black-capped Chickadee	1
8.	Blue Jay	2	18.	Tufted Titmouse	1
9.	Hooded Warbler	2	19.	Woodcock	1
10.	Black-throated Green Warbler	2	20.	Crested Flycatcher	1
			21.	Veery	1

This totals 65 pairs or 2.2 pairs per acre

Mr. A. B. Williams turned in the following report on a 65 acre tract of beach-sugar maple-hemlock woods in North Chagrin Metropolitan Park which he kept under observation for the entire breeding season.

1.	Red-eyed Vireo	31 pairs	12.	Acadian Flycatcher	5 pairs
2.	Wood Thrush	16	13.	Downy Woodpecker	5
3.	Hooded Warbler	16	14.	White-breasted Nuthatch	4
4.	Ovenbird	16	15.	Hairy Woodpecker	3
5.	Redstart	14	16.	Black-capped Chickadee	3
6.	Scarlet Tanager	8	17.	Towhee	2
7.	Wood Pewee	7	18.	Robin	1
8.	Yellow-throated Vireo	7	19.	Crested Flycatcher	1
9.	Tufted Titmouse	6	20.	Red-bellied Woodpecker	1
10.	Cardinal	5	21.	Barred Owl	1
11.	Black-throated Green Warbler	5			

The total number of birds is 157 pairs, or 2.5 pairs per acre.

A comparison of the above two similar areas is interesting, particularly in the close agreement of total species and pairs nesting.

In another tract of 40 acres bordering the above area on the east but at the foot of the Chagrin valley bluffs, and composed of some swampy land, open fields, forest border, and old sugar maple woods, Mr. Williams recorded the following list during the summer.

1.	Red-eyed Vireo	6 pairs	12.	Bobwhite	2 pairs
2.	Ovenbird	4	13.	Ring-necked Pheasant	1
3.	Redstart	4	14.	Ruby-throated Hummingbird	1
4.	Wood Thrush	3	15.	Blue-winged Warbler	1
5.	Cardinal	3	16.	Hooded Warbler	1
6.	Towhee	3	17.	Catbird	1
7.	Song Sparrow	3	18.	Brown Thrasher	1
8.	Black-capped Chickadee	2	19.	Mourning Dove	1
9.	Scarlet Tanager	2	20.	Blue Jay	1
10.	Rose-breasted Grosbeak	2	21.	Indigo Bunting	1
11.	Northern Yellow-throat	2	22.	Field Sparrow	1

This totals 46 pairs, or 1.2 pairs per acre.

Mr. John Aldrich gives the following record of birds nesting in a 14.6 acre marsh near Cleveland which includes 10.5 acres of sedge meadow and 4.1 acres of swamp shrubs.

1. Red-winged Blackbird	14 pairs	8. Alder Flycatcher	2 pairs
2. Swamp Sparrow	14	9. Northern Yellow-throat	2
3. Long-billed Marsh Wren	7	10. Goldfinch	2
4. Song Sparrow	6	11. Green Heron	1
5. Yellow Warbler	4	12. Least Bittern	1
6. Short-billed Marsh Wren	3	13. Kingbird	1
7. Virginia Rail	3		

The total here is 60 pairs or 4.1 pairs per acre.

A comparison of these censuses substantiates the study made last year, when it was found that the largest bird population occurred around dwellings and gardens, the second largest in marshy areas, the third largest in upland woods, and the least number in lowland woods or flood-plains.

Five people turned in reports on bird hikes taken during the summer season. These were Dale C. Kellogg, Francis Gilliland, A. B. Williams, B. T. Barnes, and John Aldrich. Twenty-five trips were taken in June, seventeen in July, and twenty-one in August. One hundred forty-five species were recorded. Included in this number are eight species new for this year, which increases the year's list to two hundred nineteen species. These new species are as follows: American egret, little blue heron, sanderling, dowitcher, Baird sandpiper, barn owl, Bohemian waxwing, and golden-winged warbler. The finding of the Bohemian waxwing on July 8 is particularly surprising since it is generally considered to be a rare winter visitor only. However, we ourselves (S.C.K.) recorded the species once on May 29, 1920 and have heard of other May records. It is not impossible, of course, that an occasional Bohemian may linger through the summer in company with its near relatives, the cedar waxwing.

In the tables that follow, species are divided into groups occurring in different habitats. The index of abundance is given for each month separately for the more common species. It will be remembered that the index of abundance is arrived at by multiplying the average number of individuals seen per trip by the percentage of the trips on which the species was recorded. Although subject to certain inexactness for which we hope later to be able to correct for these indices furnish a rough estimate of the relative abundance of the different species.

BIRDS OF THE WOODS

Species	Index of Abundance		
	June	July	August
<u>Permanent residents</u>			
Tufted Titmouse	10.8	201.2	79.9
White-breasted Nuthatch	35.2	149.0	97.1
Black-capped Chickadee	25.6	97.1	109.5
Blue Jay	40.0	58.2	45.7
Downy Woodpecker	17.3	68.8	57.1
Towhee	16.6	38.6	18.3
Hairy Woodpecker	12.3	15.6	6.9

Species		Index of Abundance	
Red-shouldered Hawk	0.2	4.0	1.0
Ruffed Grouse	1.4	1.4	1.8
Carolina Wren	0.0	0.0	4.6
Barred Owl	2.6	1.4	0.0
Red-bellied Woodpecker	1.0	1.0	1.4
Screech Owl	0.2	1.1	0.0
Pileated Woodpecker	0.2	010 [sic]	1.0

Summer residents

Red-eyed Vireo	420.0	535.6	99.6
Wood Thrush	145.6	192.6	8.1
Wood Pewee	163.2	82.3	120.1
Ovenbird	223.2	70.6	12.4
Hooded Warbler	89.6	123.6	23.8
Scarlet Tanager	114.0	74.2	20.6
Redstart	151.2	15.6	23.8
Black-throated Green Warb	46.8	32.3	0.2
Acadian Flycatcher	39.6	18.8	18.1
Crested Flycatcher	47.8	5.6	4.6
Yellow-throated Vireo	25.6	11.0	2.0
Rose-breasted Grosbeak	25.9	6.2	8.9
Veery	23.5	0.0	0.2
Cerulean Warbler	12.8	0.0	0.5
Whip-poor-will	1.4	0.4	0.0
Yellow-billed Cuckoo	1.3	0.0	3.4
Woodcock	1.6	0.3	2.0
Black-billed Cuckoo	0.2	1.4	0.0

Less common species

Red-tailed Hawk (J.A.) – Aug. 28 (1)
 Great Horned Owl (B.T.B.) – June 9 (1)
 Yellow-bellied Sapsucker (J.A.) – June 4 (2) one collected, Pymatuning Swamp
 Least Flycatcher (B.T.A.) (D.C.K.) – June 2 (1) Aug. 26 (1)
 Olive-sided Flycatcher (M.B.W.) Aug. 19 (1)
 Black and White Warbler (A.B.W.) (B.T.B.) Aug 3 (1) 19 (2)
 Tennessee Warbler (B.T.B.) Aug. 26 (1)
 Northern Parula Warbler (B.T.B.) Aug. 5 (1)
 Blackburnian Warbler (B.T.B.) Aug. 26 (1)
 Black-poll Warbler (B.T.B.) June 2 (1)
 Canada Warbler (B.T.B. & J.A.) June 11 (2 collected in Pymatuning Swamp
 Aug. 26 (1)
 Magnolia Warbler (B.T.B. & J.A.) June 11 (3 collected Pymatuning)
 Aug. 25 (1)
 Chestnut-sided Warbler (J.A.) June 4 (Pymatuning Swamp) June 13 (1 Bradley Bog)
 Louisiana Water-thrush (D.C.K. & J.A.) June 9 (1) Aug. 15 (1)
 Golden-winged Warbler (J.A.) June 18 (1)
 Yellow-breasted Chat (J.A.) June 16 (1)
 Orchard Oriole (M.E. FOOTE) July 4 (2)
 Dickcissel (D.C.K.) June 10 (wo seen at Baybridge) July 4 (6) near Huron
 Savannah Sparrow (J.A.) June 4 (2), 11 (5), July 2 (3) nearly all specimens collected

BIRDS OF THE MARSH

Species	Index of Abundance		
	June	July	August
<u>Summer residents</u>			
Red-winged Blackbird	340.0	63.5	3.4
Northern Yellow-throat	112.0	22.3	13.7
Swamp Sparrow	50.4	44.1	3.1
Black Duck	0.6	2.1	81.7
Long-billed Marsh Wren	28.0	16.4	19.3
Green Heron	20.8	17.3	16.0
Great Blue Heron	0.3	5.3	14.3
Short-billed Marsh Wren	1.9	11.4	6.7
Grinnell Water-thrush	15.7	1.4	0.0
Alder Flycatcher	8.6	5.1	3.6
Virginia Rail	8.0	0.3	2.7
Florida Gallinule	3.2	0.7	0.0
Black Tern	3.8	0.0	0.2
American Bittern	3.2	0.4	0.0
Tree Swallow	2.9	0.0	0.0
Pied-billed Grebe	1.4	0.3	0.2
Coot	1.4	0.0	0.0
Wood Duck	1.0	0.4	0.0
Bald Eagle	0.0	1.4	0.0
Least Bittern	1.0	0.4	0.0
Mallard	1.3	0.0	0.0
Blue-winged Teal	1.0	0.0	0.0

Less common species

Little Blue Heron (J.A.)- Aug. 6 (2 collected at Bay Point)
 American Egret (Earl Cady, J.A.) – June 21 (1 in pond, No. Chagrin) August 27 (3 Bay Point)
 Black-crowned Night Heron (D.C.K.) – Aug. 15 (1)
 Lesser Yellow-legs (J.A.) – Aug. 27 (10)
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 Solitary Sandpiper (J.A.) – Aug. 27 (1)
 Wilson Snipe (J.A.) – June 30 (1)
 King Rail (J.A.) – Aug. 27 (2)

BIRDS OF THE OPEN COUNTRY

(OPEN WOOD LOTS, SHRUBBY FIELDS, FARMLAND, CITIES)

Species	Index of Abundance		
	June	July	August
<u>Permanent residents</u>			
Song Sparrow	180.0	282.2	85.6
Starling	84.0	141.1	80.1
Bob-white	16.8	176.5	79.9
Cardinal	48.0	110.0	42.9
Crow	62.5	64.9	36.6
Cedar Waxwing	3.8	4.8	8.1
Marsh Hawk	4.8	0.7	1.0
Sparrow Hawk	9.2	0.7	1.0
Ring-necked Pheasant	1.6	0.0	0.0

Species	Index of Abundance		
	June	July	August
<u>Summer residents</u>			
Robin	364.8	497.0	199.8
Goldfinch	42.2	42.3	128.5
Barn Swallow	79.2	88.2	82.9
Mourning Dove	88.0	56.5	77.2
House Wren	72.0	42.4	22.3
Field Sparrow	24.3	148.1	19.0
Purple Martin	84.6	22.1	85.7
Bronzed Grackle	33.6	98.6	2.0
Catbird	48.0	41.5	22.3
Vesper Sparrow	30.0	76.4	2.8
Kingbird	15.4	70.6	22.9
Blue-winged Warbler	90.0	2.1	12.4
Meadowlark	43.2	47.0	10.8
Killdeer	24.0	32.3	32.3
Chimney Swift	12.5	16.5	50.0
Flicker	25.9	25.1	25.1
Bluebird	6.4	52.8	19.0
Turkey Vulture	26.0	11.0	22.3
Indigo Bunting	12.5	41.2	0.8
Ruby-throated Hummingbird	1.4	10.3	41.9
Cowbird	28.8	23.5	0.0
Phoebe	33.6	9.0	3.2
Bank Swallow	2.9	0.0	42.9
Nighthawk	0.2	0.0	42.8
Red-headed Woodpecker	12.8	22.9	6.3
Prairie Horned Lark	5.8	11.8	22.8
Grasshopper Sparrow	6.4	32.3	0.2
Bobolink	30.8	2.1	4.7
Chipping Sparrow	11.2	22.3	0.2
Yellow Warbler	16.6	4.2	0.2
Henslow Sparrow	3.8	8.4	2.0
Migrant Shrike	5.8	3.4	3.2
Baltimore Oriole	2.6	0.4	2.0
Rough-winged Swallow	2.4	0.0	0.5
Brown Thrasher	0.2	2.1	0.0
Warbling Vireo	1.4	0.0	0.0

Less Common Species

Sharp-shinned Hawk (A.B.W., B.T.B.) – Aug. 19 (1)

Cooper Hawk (A.B.W., J.A.) – June 11 (1) Aug. 19 (1)

Upland Plover (B.T.B.) – July 8 (1)

Barn Owl (B.T.B.) – Aug 19 (1)

Bohemian Waxwing (B.T.B.) – July 8 (1 – seen at close range, sitting by both Mr. Wharram and myself. Observed with binoculars. Cedar Waxwings nearby seemed much slimmer.”

BIRDS OF THE OPEN LAKE, LAKE SHORE, AND STREAMS

Species	Index of abundance		
	June	July	August
<u>Permanent residents</u>			
Herring Gull	3.2	1.4	208.8
Ring-billed Gull	0.0	0.0	114.0
<u>Summer residents</u>			
Spotted Sandpiper	11.5	30.6	26.6
Common Tern	0.6	0.0	28.5
Belted Kingfisher	3.2	7.8	4.1
Caspian Tern	0.0	0.0	3.1
Bonaparte Gull	0.0	0.0	68.6
<u>Less Common Species</u>			
Semipalmated Plover (B.T.B.,J.A.) – June 10 (2) Aug. 12 (1), Aug. 19 (5) 25 (2) 27 (5)			
Baird Sandpiper (J.A.) – Aug. 27 (5--collected)			
Pectoral Sandpiper (B.T.B. , J.A.) – Aug. 6 (2--collected) 25 (1) 27 (1)			
Least Sandpiper (B.T.B., J.A.) – Aug 25 (5) 27 (10)			
Dowitcher (J. A.) – Aug 27 (6--collected)			
Semiplamated Sandpiper (B.T.A., J.A.) – June 2 (1--collected) Aug. 25 (15) 27 (10)			
Sanderling (B.T.B.) – June 10 (1)			