

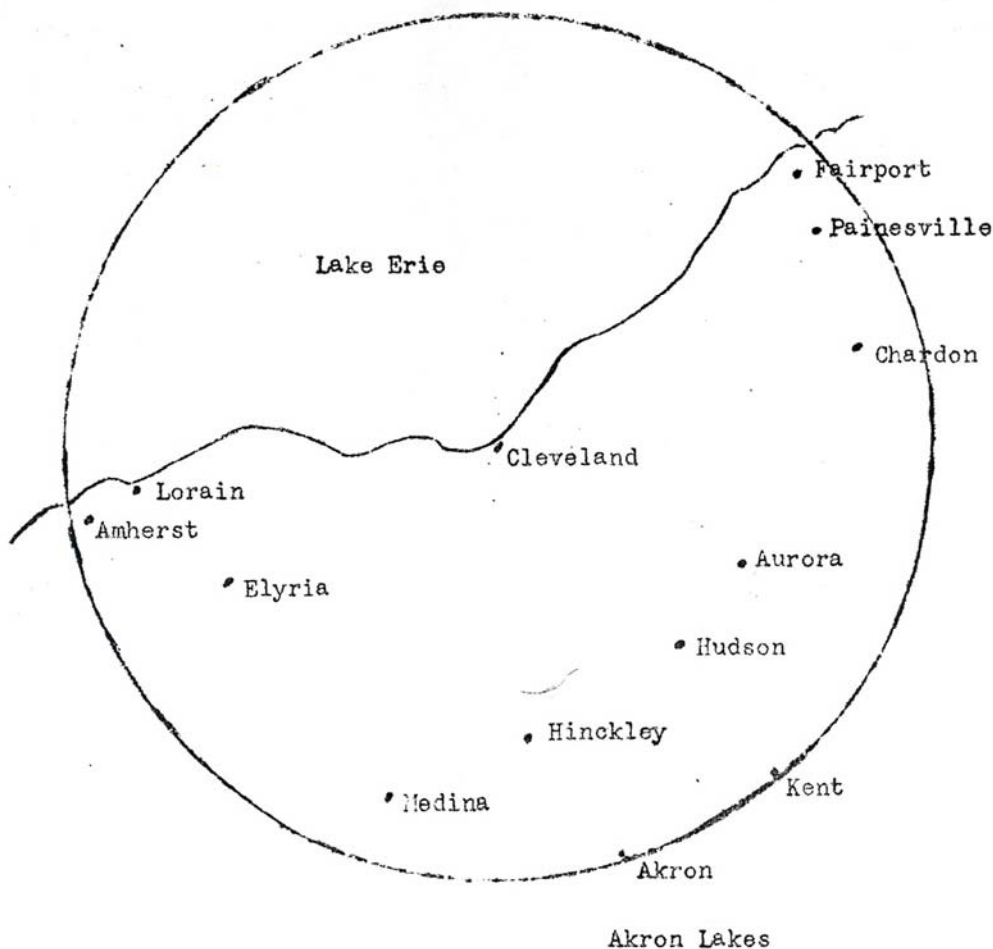
# CLEVELAND BIRD CALENDAR

Founded by Frances H. Herrick  
Of Western Reserve University in 1905

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by  
THE KIRTLAND BIRD CLUB

In Cooperation With  
The Cleveland Bird Club Inc.

THE CLEVELAND REGION  
(For bird calendar records)  
(The circle has a thirty mile radius)



At  
The Cleveland Museum of Natural History  
2717 Euclid Avenue  
Cleveland 15, Ohio

## THE CLEVELAND BIRD CALENDAR

Summer Nesting Number

Issued September 30, 1949

Edited by Arthur B. Williams

Since our last issue we have added 7 more species to our 1949 list. Those are American egret, snowy egret, little blue heron, broad-winged hawk, Baird's sandpiper, short-billed marsh wren and Sanderling. Total species for the year to August 31 is now 174 - somewhat less than usual, due no doubt to the failure of the spring migration to produce its usual quota of records.

## NESTING STUDIES

In this issue you will find an unusually good group of nesting records. Especially are we glad to have such complete reports as those of Hamann for the sharp-shinned hawk; Akers for the migrant shrike; and Clisby for the wood thrush. For each of these, extended accounts of detailed observations have been written. These are filed for inclusion later in what we hope may some day be a publication on the nesting habits of the birds of this region.

Of special interest, too, are the records of the wood pewee's nesting obtained by Hamann and Shankland, and the cliff swallows reported by Downer.

The inquiry as to numbers of purple martins nesting in the Cleveland region produced splendid results (see p. 15 of this issue). Apparently there is a good field for exploration here which will furnish an excellent objective for attention next spring.

## SANDHILL CRANES IN ASHTABULA COUNTY

The report of sandhill cranes seen in Plymouth Marsh, just south of Ashtabula, August 18, 26 and September 4 (see p.11) seems to indicate that this bird may not be so entirely a stranger to our region as has been assumed. Mr. Wharram is a reliable observer, and he writes that although this is the first time he has seen the bird in Ohio, he has observed it many times in Florida.

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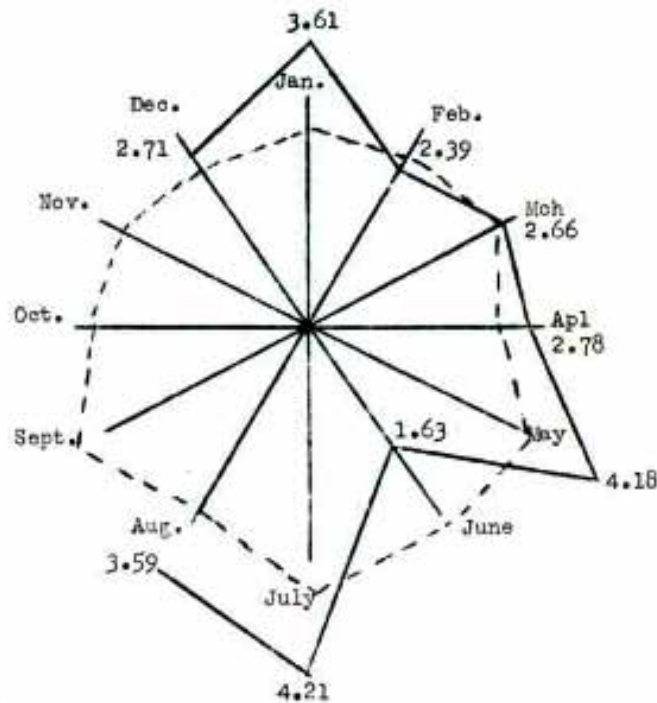
## SUMMARY OF WEATHER CONDITIONS

June - The hottest June in 19 years of record, with a mean temperature for the month of 73.9 degrees. The hottest day was June 28 – 96 degrees maximum. There was a Deficiency of 1½ inches of rainfall for the month.

July - Also the hottest July of record, its average temperature being 77.6 degrees, with a maximum of 98 degrees on the 3<sup>rd</sup> and 4<sup>th</sup>. Rainfall was well distributed.

August - Record breaking temperatures continued through August, producing Cleveland's warmest summer of record. Drought conditions occurred from July 23 through August 27, with only 0.62 inches of rain during the period. Seventy five per cent of total rainfall for August came on the last 3 days.

In the chart below each spoke of the wheel, from center to circumference, represents 3 inches of water. The dotted line connects the points which show "normal" or average precipitation for each month. The solid line connects points showing the actual precipitation for months of 1948-9 indicated. Figures are records of U. S. Weather Bureau located at the Cleveland Airport.



## INTERESTING OR UNUSUAL RECORDS

Horned Grebe - August 16, two reported by McNeese as seen at Akron Lakes.

Double-crested Cormorant - July 6, an immature bird reported seen at White City by Carrothers and Hill.

Snowy Egret - Two birds reported August 3 and 20 at Wingfoot Lake by Lieftinck, and one August 28 at the same place by Carrothers.

Little Blue Heron - July 24, 31, August 7, 14, a single bird in immature plumage at Hinckley Lake, reported by Hartman and Van Natta, and July 27 by Phelps. Three birds August 3, 20, at Wingfoot Lake reported by Lieftinck. August 16(4) at Akron Lakes reported by McNeese. August 28, 6 at Akron Lakes reported by Carrothers.

Least Flycatcher, Blue-headed Vireo, Magnolia Warbler - Records of the presence of these species were made during the summer at Stebbin's Gulch, a deep ravine tributary to the east branch of the Chagrin River. This corroborates reports of previous years to the same effect. This strongly suggests the possibility that these species may be breeding more or less regularly in the region in this or other similar habitats. A determined effort will be made next spring to locate nests if possible. Meanwhile we are not listing these as breeding species.

## SPECIES OCCURRENCE RECORDS

## I.

Breeding Species

(Permanent residents are indicated by a star)

Pied-billed Grebe - June 26(1), July 31(2), August 7(3), 16(10), 19(2).

Great Blue Heron - Regularly recorded June-July-August.

Eastern Green Heron - Regularly recorded June-July-August.

American Bittern - June 2(1), 5(2), 10(2), August 16(1), 19(1).

Eastern Least Bittern - June 5(2).

Canada Goose - July 24(6), 29(7) (semi-wild pair and young at North Chagrin).

\*Common Mallard - Regularly recorded June-July-August.

\*Black Duck - Regularly recorded June-July-August.

Blue-winged Teal - June 5(1), August 16(8), 28(5).

Wood Duck - Regularly recorded June-July-August.

Eastern Turkey Vulture - Regularly recorded June-July-August.

\*Sharp-shinned Hawk - Regularly recorded June-July. Then August 7(1), 9(1).

\*Cooper's Hawk - Regularly recorded June-July. No August records.

\*Eastern Red-tailed Hawk - June 5(1), 12(1), August 9(1).

\*Northern Red-shouldered Hawk - Regularly recorded June-July. Then August 19(1).

Broad-winged Hawk - July 24(2), August 21(1).

\*Marsh Hawk - Regularly recorded June-July. August 7(2).

\*Eastern Sparrow Hawk - Regularly recorded June-July-August.

\*Appalachian Ruffed Grouse - July 4(1).

\*Eastern Bobwhite - Regularly recorded June-July. No August records.

\*Ring-necked Pheasant - Regularly recorded June-July. Then August 21(2).

Virginia Rail - July 24(1), August 28(1).

Sora - June 10(1), July 24(1), August 28(1).

Florida Gallinule - Regularly recorded June-July-August.

American Coot – August 16(6).  
Killdeer - Regularly recorded June-July-August. August 7(3), 14(40), 28(46).  
American Woodcock – June 11(4).  
Spotted Sandpiper - Regularly recorded June-July-August. Last August 28(1),  
Eastern Mourning Dove - Regularly recorded June-July-August.  
\*Rock Dove - Regularly recorded June-July-August. Then August 24(12).  
Yellow-billed Cuckoo – June 4(1), 5(1), July 3(1), July 17(1), 24(1), 31(3).  
Black-billed Cuckoo - June 12(2), July 9(4), July 13(1), 20(1), 31(1), August 29(1).  
\*Eastern Screech Owl – Regularly recorded June. July 3(4).  
\*Great Horned Owl - July 2(1), 9(1).  
Eastern Nighthawk - Regularly recorded June-July-August. August 27(40), 29(28).  
Chimney Swift - Regularly recorded June-July-August. August 28(50).  
Ruby-throated Hummingbird - Regularly recorded June-July-August.  
Eastern Belted Kingfisher - Regularly recorded June-July-August.  
Northern Flicker - Regularly recorded June-July-August.  
\*Northern Pileated Woodpecker - June 4(1), 12(1), 18(1), 19(2), 30(1), July 17(1).  
\*Red-bellied Woodpecker - June 12(2).  
Eastern Red-headed Woodpecker - Regularly recorded June-July-August. Last August 28(6).  
\*Eastern Hairy Woodpecker - Regularly recorded June-July-August.  
\*Northern Downy Woodpecker - Regularly recorded June-July-August.  
Eastern Kingbird - Regularly recorded June-July-August. Last August 28(1).  
Northern Crested Flycatcher - Regularly recorded June-July-August. August 19(2).  
Eastern Phoebe - Regularly recorded June-July. August 14(1), 19(3), 22(1), 28(2).  
Acadian Flycatcher - Regularly recorded June-July-August. August 18(1).  
Alder Flycatcher - Regularly recorded June-July-August. August 18(1).  
Eastern Wood Pewee - Regularly recorded June-July-August.  
Tree Swallow - Regularly recorded June-July. August 14(6), 19(15), 22(6).  
American Bank Swallow - July 20(32), 24(1).  
Eastern Rough-winged Swallow - Regularly recorded June-July. August 14(29).  
Barn Swallow - Regularly recorded June-July. August 14(9), 16(80), 28(1).  
Northern Cliff Swallow - July 3(8), 24(3).  
Purple Martin - Regularly recorded June-July-August.  
\*Northern Blue Jay - Regularly recorded June-July-August.  
Eastern Crow - Regularly recorded June-July-August.  
\*Northern Black-capped Chickadee - Regularly recorded June-July-August.  
\*Tufted Titmouse - Regularly recorded June-July-August.  
\*White-breasted Nuthatch - Regularly recorded June-July-August.  
Red-breasted Nuthatch – August 22(1).  
Ohio House Wren - Regularly recorded June-July-August.  
\*Carolina Wren - July 12(1), August 9(2), 22(1).  
Long-billed Marsh Wren - June 2(1), 4(1), 5(2), 6(3), 10(12), July 24(6).  
Short-billed Marsh Wren - June 2(2), August 14(1), 16(1).  
Catbird - Regularly recorded June-July-August.  
Eastern Brown Thrasher - Regularly recorded June-July-August.  
Eastern Robin - Regularly recorded June-July-August.  
Wood Thrush - Regularly recorded June-July-August.  
Veery - Regularly recorded through June. No July or August records.  
Eastern Bluebird - Regularly recorded June-July. August 7(2), 18(2).  
Blue-gray Gnatcatcher - Regularly recorded June-July. August 19(1).  
Cedar Waxwing - Regularly recorded June-July-August.  
Migrant Shrike - June 3(3), 10(1), 12(1), 16(6), 27(4), 30(4), July 1(4).  
\*Starling - Regularly recorded June-July-August. August 21(150), 28(200).  
Yellow-throated Vireo - Regularly recorded June-July. August 22(1).  
Red-eyed Vireo - Regularly recorded June-July-August.  
Eastern Warbling Vireo - Regularly recorded June-July. August 14(1), 18(1).

Prothonotary Warbler - June 4(2), 5(3), 19(3), 26(1), August 22(1).  
Blue-winged Warbler - Regularly recorded June. July 3(3), 24(1), August 9(1).  
Eastern Yellow Warbler - Regularly recorded June-July. August 2(1), 7(3), 22(1), 24(1).  
Black-throated Green Warbler - June 12(7), 18(2), 30(5), July 4(5), 17(2).  
Cerulean Warbler - Regularly recorded June-July. August 25(1).  
Oven-bird - Regularly recorded June-July. August 18(1).  
Grinnell's Water-thrush - June 2(2), 11(2), August 7(1).  
Louisiana Water-thrush - June 2(1), 12(1), 14(1), 18(4), 30(2).  
Northern Yellow-throat - Regularly recorded June-July. August 7(4), 18(2), 22(2).  
Yellow-breasted Chat - Regularly recorded June-July. No August records.  
Hooded Warbler - Regularly recorded June-July. No August records.  
\*English Sparrow - Regularly recorded June-July-August.  
Bobolink - June 2(2), 12(2), July 3(1), 24(1).  
Eastern Meadowlark - Regularly recorded June-July. No August records.  
Eastern Red-wing - Regularly recorded June-July-August.  
Orchard Oriole - July 4(1).  
Baltimore Oriole - Regularly recorded June-July-August.  
Bronzed Grackle - Regularly recorded June-July-August.  
Eastern Cowbird - Regularly recorded June-July. August 7(10), 14(6), 24(1).  
Scarlet Tanager - Regularly recorded June-July. August 9(2), 18(1), 21(4).  
\*Eastern Cardinal - Regularly recorded June-July-August.  
Rose-breasted Grosbeak - Regularly recorded June-July. August 7(1), 18(1), 22(1), 28(6).  
Indigo Bunting - Regularly recorded June-July. August 14(1).  
Eastern Purple Finch - June 23(2), 28(1), July 8(1), 11(1).  
Eastern Goldfinch - Regularly recorded June-July-August.  
Red-eyed Towhee - Regularly recorded June-July-August.  
Eastern Grasshopper Sparrow - July 9(1), 11(1), 24(5), 31(1).  
Western Henslow's Sparrow - Regularly recorded June-July. August 14(1).  
Eastern Vesper Sparrow - Regularly recorded June-July. August 14(1).  
Eastern Chipping Sparrow - Regularly recorded June-July. August 7(4), 14(5), 16(2).  
Eastern Field Sparrow - Regularly recorded June-July. August 9(4), 14(2), 18(2), 22(2).  
Eastern Swamp Sparrow - Regularly recorded June-July. August 16(1), 18(3), 28(1).  
Mississippi Song Sparrow - Regularly recorded June-July-August.

## II.

### Migrants and Vagrants

Horned Grebe - August 16(2).  
Double-crested Cormorant - July 6(1).  
American Egret - June 14(3), 17(1), July 24(1), August 3(12), 14(2), 16(24), 19(1), 20(8), 28(7).  
Snowy Egret - August 3(2), 20(2), 28(1).  
Little Blue Heron - July 24(1), 27(1), 31(1), August 3(3), 7(1), 14(1), 16(4), 20(3), 28(6).  
Common Mallard - August 28(64).  
Black Duck - August 28(70).  
Gadwall - August 16(12).  
Wood Duck - August 28(40).  
Northern Bald Eagle - August 16(2).  
American Osprey - August 16(1), 22(1).

Sanderling - July 31(9).  
Semipalmated Plover - August 7(12), 14(6), 16(1), 21(9), 28(1).  
Eastern Solitary Sandpiper - August 16(1), 28(2).  
Lesser Yellowlegs - August 28(4).  
Pectoral Sandpiper - August 28(2).  
Baird's Sandpiper - July 31(1), August 7(1).  
Semipalmated Sandpiper - August 7(2), 16(1).  
Herring Gull - July 24(5), August 7(3), 14(4), 21(2), 24(20).  
Ring-billed Gull - July 31(3), August 7(3), 14(15), 21(18), 24(6).  
Bonaparte's Gull - August 7(135), 14(110), 21(230), 24(13).  
Common Tern - July 17(9), 21(3), 31(2). Regularly recorded August.  
Caspian Tern - August 21(1), 24(1), 28(3).  
Black Tern - July 24(2).  
Least Flycatcher - June 4(1), 11(1), 18(2), 30(2), July 3(2), 4(2).  
Olive-backed Thrush - June 1(1), 5(2), 6(1).  
Eastern Golden-crowned Kinglet - August 21(1).  
Blue-headed Vireo - June 12(1), 21(1), 30(3), July 4(2), 9(6), 12(3), 17(1), 27(1).  
Philadelphia Vireo - June 2(1),  
Black and White Warbler - June 12(1), July 31(1), August 28(1).  
Magnolia Warbler - June 12(1), 18(3), 30(1), July 4(1).  
Canada Warbler - June 2(1), August 25(1).  
Lincoln's Sparrow - August 19(1).

## BREEDING BIRD POPULATION STUDIES

## I.

Pond and Border - Total area 15.3 acres  
Location - North Chagrin Metropolitan Park  
Census by Vera Carrothers. Seventh year of this study.  
Breeding Bird Population

<u>Species</u>	<u>Pairs 1949</u>
Red-wing	26
Catbird	8
Alder Flycatcher	7
Song Sparrow	6
Yellow Warbler	6
Robin	5
Northern Yellow-throat	4
Field Sparrow	4
Cedar Waxwing	3
Blue-winged Warbler	2
Goldfinch	2
Mallard	2
Mourning Dove	1
Baltimore Oriole	1
Brown Thrasher	1
Red-eyed Towhee	1
Blue Jay	1
Canada Goose	1
<u>Total Pairs</u>	81
<u>Number of Species</u>	18

Density 529 pairs per 100 acres

Visitors - Barn Swallow, Chimney Swift, Kingfisher

## II.

Upland Swamp Forest and Marsh - Total area 20 acres

Location - Aurora Township, Portage County

Census by Carl F. Hamann

Breeding Bird Population

<u>Species</u>	<u>Pairs 1949</u>
Mallard	1
Ruby-throated Hummingbird	2
Hairy Woodpecker	1
Downy Woodpecker	1
Crested Flycatcher	1
Wood Pewee	2
Chickadee	3
Tufted Titmouse	1
White-breasted Nuthatch	0.5
House Wren	1
Catbird	6
Wood Thrush	3.5
Veery	1
Red-eyed Vireo	1
Blue-winged Warbler	0.5
Yellow Warbler	6
Cerulean Warbler	1
Grinnell's Water-thrush	2
Northern Yellow-throat	1
Redstart	2
Cowbird	2
Scarlet Tanager	2
Cardinal	2
Towhee	1
Swamp Sparrow	2
Song Sparrow	<u>9</u>
<u>Total Pairs</u>	55.5
<u>Number of Species</u>	26
<u>Density</u>	277.5 pairs per 100 acres

Visitors - Great Blue Heron, Green Heron, Wood Duck, Turkey Vulture, Sharp-shinned Hawk, Red-shouldered Hawk, Marsh Hawk, Woodcock, Yellow-billed cuckoo, Flicker, Pileated Woodpecker, Phoebe, Carolina Wren, Bluebird, Yellow-throated Vireo, Oven-bird, Chat, Red-wing, Rose-breasted Grosbeak.



## III.

Oak-Hickory Forest - Total area approximately 50 acres

Location - Brecksville Metropolitan Park

Census by Harold E. Wallin

Breeding Bird Population

<u>Species</u>	<u>Pairs 1949</u>
Redstart	20
Oven-bird	20
Cerulean Warbler	19
Red-eyed Vireo	17
Wood Thrush	17
Wood Pewee	6
Scarlet Tanager	6
Hooded Warbler	6
Tufted Titmouse	5
Acadian Flycatcher	4
Yellow-throated Vireo	3
Louisiana Water-thrush	3
White-breasted Nuthatch	3
Cowbird	2
Cardinal	2
Blue-gray Gnatcatcher	2
Hairy Woodpecker	1
Downy Woodpecker	1
Crested Flycatcher	1
Phoebe	1
Chickadee	1
Robin	1
Indigo Bunting	1
Rose-breasted Grosbeak	1
<u>Total Pairs</u>	142

Number of Species 42

Density 284 pairs per 100 acres

Visitors - Ruffed Grouse, Pileated Woodpecker, Blue-winged Warbler, Crow,  
Yellow-billed Cuckoo

## IV.

Climax Beech - Maple Forest with some Hemlock - Total area 65 acres

Location – North Chagrin Metropolitan Park

Census by Arthur B. Williams. Censused each year 1932 to 1949 with the exception of 1942.

Breeding Bird Population

<u>Species</u>	<u>Pairs 1949</u>
Red-eyed Vireo	28
Oven-bird	24
Wood Thrush	21
Hooded Warbler	12
Redstart	7
Acadian Flycatcher	6
Wood Pewee	6
Crested Flycatcher	4
Chickadee	4
Cerulean Warbler	4
Black-throated Green Warbler	4
Scarlet Tanager	4
Phoebe	3
White-breasted Nuthatch	3
Yellow-throated Vireo	3
Hairy Woodpecker	2
Downy Woodpecker	2
Louisiana Water-thrush	2
Cowbird	2
Cardinal	2
Pileated Woodpecker	1
Blue Jay	1
Tufted Titmouse	1
Rose-breasted Grosbeak	1
<u>Total Pairs</u>	147
<u>Number of Species</u>	24
<u>Density</u>	226 pairs per 100 acres

## NEIGHBORING LOCALITIES

MOSQUITO CREEK	July			August			
	4	20	24	10	14	16	20
Great Blue Heron				19	15	20	22
American Egret	5	10	14	4	5	7	7
Snowy Egret							1
Little Blue Heron			1				2
Green Heron				1		1	1
Black-crowned Night Heron				12			15
Mallard			2		1	4	18
Black Duck	1				3		8
Blue-winged Teal			*7	8	2	6	16
Red-shouldered Hawk			1				
Bald Eagle			1				
Marsh Hawk						3	
Osprey			1				
Semipalmated Plover		3	2	7	6	12	10
Killdeer			40	45	50	40	60
Wilson's Snipe						1	
Spotted Sandpiper			15	8	2	5	15
Solitary Sandpiper		6	4		7	6	8
Greater Yellowlegs			1				
Lesser Yellowlegs		20	11	10	8	20	16
Pectoral Sandpiper		8	6	28	15	30	21
Least Sandpiper		8	7	25	18	10	30
Stilt Sandpiper							2
Semipalmated Sandpiper				3			
Dowitcher		1	1				6
Northern Phalarope							1
Herring Gull			1			1	
Ring-billed Gull	1					1	
Bobolink							
					35		
OBSERVERS - Carrothers, Gaede, Hamann, Hill, Klein, Piskac, Ramisch							
* young							

## NEIGHBORING LOCALITIES

SANDUSKY REGION	June		July		
	5	24	10	23	28
Double-crested Cormorant	2				
Great Blue Heron	10		9		
American Egret		*48			
Little Blue Heron					**15
Black-crowned Night Heron	17		35		
Mallard			8		
Black Duck	16		10		
Turkey Vulture			20		
Bald Eagle	3				
Marsh Hawk			1		
Semipalmated Plover					15
Killdeer	7		20	12	57
Spotted Sandpiper			1		6
Greater Yellowlegs					55
Lesser Yellowlegs					7
Pectoral Sandpiper					7
Least Sandpiper					4
Semipalmated Sandpiper					30
Herring Gull	50		15	8	150
Ring-billed Gull	7			6	5
Bonaparte's Gull	10				
Common Tern	50		300	20	30
Caspian Tern					75
Black Tern	4		25		9
Purple Martin					1600
Migrant Shrike			3		
Red-wing	25		250	50	600
Orchard Oriole			3		
OBSERVERS - Davies, Carrothers					
* Port Clinton                      ** immature					

BERLIN RESERVOIR - August 20, Little Blue Heron 2, Bald Eagle (adult) 1, Semipalmated Plover 1, Killdeer 1, Upland Plover 1, Spotted Sandpiper 1, Solitary Sandpiper 1, Greater Yellowlegs 2, Lesser Yellowlegs 6, Pectoral Sandpiper 1, Least Sandpiper 1, Semipalmated Sandpiper 1, Dowitcher 8, Caspian Tern 2 - Carrothers, Gaede, Lieftinck, Ramisch.

PLYMOUTH MARSH (just south of Ashtabula) - Sandhill Crane - August 18(2), 26(3), September 4(2) - Wharram.

## NESTING RECORDS

- Great Blue Heron - Aurora Pond, June 26, 15 nests in dead trees standing in water in lake, 11 young standing or sitting in nests; July 24, young still in nests - Davies.
- Wood Duck - Black Brook, June 5, 1 brood of 7, 1 brood of 11 - King.  
- Aurora, June 2, female, 14 young. June 18, female, 11 young - Hamann.  
- Aurora, June 19, female, 7 young, female, 5 young on lake - Ramisch.
- Turkey Vulture - Cedar Road southeast of Gates Mills, August 2, nest 10 feet inside hollow log in deep woods, 1 young bird fully feathered - Downer.
- Sharp-shinned Hawk - Aurora, May 16, nest built of sticks on remains of green heron nest 13' up in wild apple thicket, 3 eggs; May 21, 3 eggs; 4 or 5 days old; July 3, 3 young visible over rim of nest; July 8, 3 young about three-quarters grown; July 9, 3 young in nest, still downy and white - Hamann.
- Cooper's Hawk - Aurora, May 17, nest in white ash crotch 60' up; June 28, young birds (2 or 3) in nest; July 8, 11, 3 young in nest, still downy and white - Hamann.
- Red-tailed Hawk - Chagrin River, nest previously reported (Cleveland Bird Calendar 45(2):11), young left nest about May 20 - Shankland.
- Red-shouldered Hawk - Aurora, June 19, 2 young observed on nest - Ramisch.
- Ring-necked Pheasant - Novelty, June 25, nest in fence row, 6 eggs; June 28, all eggs destroyed - Downer.
- Florida Gallinule - Aurora, August 22, 2 adults, 2 immature birds - Hamann.  
- Corning Lake, adults with very small young - Scheele.
- Coot - Corning Lake, adults with young - Scheele.
- Killdeer - Rocky River Park, Berea Quarries, June 12, adults on mud flats feeding 3 young - Davies.  
- Novelty, June 25, nest in open plowed field, 4 young - Downer.
- Spotted Sandpiper - Willoughby, July 12, adult and four young - Sherwin.
- Mourning Dove - Lakewood, July 25-August 7, adults feeding 2 young birds out of nest - Davies.
- Chimney Swift - Willoughby, May 20, 2 nests in chimney; June 20, young left nests - Shankland.
- Ruby-throated Hummingbird - Willoughby, August 3, nest on maple branch with young about ready to fly - Shankland.  
- Aurora, June 18, nest 15' up on dead beech branch, female flew to nest - Hamann.
- Kingfisher - Gates Mills, June 12, bird carrying fish to nest in bank on Chagrin River north of Mayfield Road - Downer.
- Flicker - Maple Heights, June 26, adult feeding 3 young on telephone wires - Davies.
- Red-headed Woodpecker - Aurora Pond, June 26, adults feeding young in nest in stub in pond - Davies.  
- Aurora, August 22, one immature bird, able to fly, being fed by 2 adults - Hamann.
- Kingbird - Aurora, June 2, nest, 3 eggs; June 18, 2 young 3-4 days old, third egg not present; June 22, adult brooding 2 half grown young; June 28, 2 young out of nest - Hamann.  
- Aurora, June 18, nest 3' up in branches of dead stub in pond 10' from shore, 1 adult feeding 3 active young - Hamann.  
- Aurora, June 25, female feeding and brooding young in nest in dead buttonbush 4' over water - Hamann.
- Crested Flycatcher - Willoughby, June 27, birds carrying nesting material into hole in telegraph pole, snake skin dangling from entrance - Shankland.

Phoebe - Wickliffe, July 17, nest under old concrete bridge, 4 young. Phoebes have nested here 17 years - Downer.

Alder Flycatcher - Aurora, June 18, nest, 4 eggs in hawthorn 5' up; June 22, eggs gone - Hamann.

- Aurora, June 25, nest, 4 eggs in hawthorn 3' up - Hamann.

- Aurora, July 14, female incubating 3 eggs in nest in hawthorn 6' up - Hamann.

- Aurora, June 25, nest, 4 eggs in hawthorn 3' up - Hamann.

Wood Pewee - Willoughby, July 8, started building nest on small beech branch about 20' up; July 10, nest nearly completed; July 11, nest completed; July 13, first egg; July 14, second egg; July 15, third egg; July 16, incubation began; July 30, eggs hatched; August 13, young left nest - Shankland.

- Aurora, June 2, female laying foundation for nest on top of fork on branch of butternut tree in stream valley; June 11, nest complete; June 22, 28, 30, adult on nest; July 8, both adults feeding young in nest; July 11, 2 downy young visible; July 14, 2 young still in nest - Hamann.

- Aurora, August 15, nest in fork of horizontal branch of elm tree 40' up, female feeding at least 2 downy young visible over rim of nest - Hamann.

- Aurora, August 22, 3 well grown young being fed by adults in nest saddled on fork of small branch 50-60' up - Hamann.

Cliff Swallow - Novelty, July 3, eight nests under barn eave; birds going in and out of nests feeding young - Downer.

Blue Jay - Lakewood, June 7, one young bird being fed by adults out of nest - Davies.

- Lakewood, June 7-16, adults feeding young in nest in pine tree; June 17, young left nest; June 18-21, adults feeding young in trees near nest - Davies.

Chickadee - Aurora Pond, June 26, adults feeding 2 young out of nest - Davies.

Tufted Titmouse - Rocky River, June 22, adults feeding 3 young out of nest - Davies.

Long-billed Marsh Wren - Aurora, June 6, 3 nests found in burr reed swamp, at least 3 males singing nearby - Hamann.

Catbird - Rocky River, June 22, 2 pairs each feeding 2 young out of nests - Davies.

Gates Mills, June 12, nest in wild cherry 4' up, 3 young - Downer.

- Novelty, June 8, nest in haw bush 3' up, 5 eggs - Downer.

- Novelty, June 8, nest in haw bush 3'6": up, 5 eggs - Downer.

Wood Thrush - Wellington, June 30-July 4, female building nest in elm 20' up; July 6-8, 3 eggs laid; July 9, female incubating; July 20, 21, young visible in nest; August 1, 1 young left nest; August 2, second young left nest; August 16, young picking up own food in garden - Clisby.

- Aurora, June 11, female on nest on branch of oak 30' up - Hamann.

- Aurora, June 22, female incubating 3 eggs in nest in hawthorn - Hamann.

Bluebird - Aurora, June 19, birds feeding young - Ramisch.

Blue-gray Gnatcatcher - Aurora, June 28, nest 15' up on branch of wild apple tree, adults feeding young - Hamann.

- Aurora, June 30, female on nest, male carrying food to nest; July 1, 2 eggs, 1 young; July 8, 1 young being fed by adults - Hamann.

Migrant Shrike - Berea, Five Points Road and N.Y.C. Railroad tracks, April 29, nest in hawthorn bush 7' up, bird incubating 5 eggs; May 6, 5 eggs; May 11, 1 egg hatched; May 12, 13, 3 eggs hatched; May 17, 3 fledglings, 1 unhatched egg; May 27, 3 fledglings large enough for tails and heads to protrude above nest edge; June 3, birds out of nest, 1 egg still in nest - Akers.

- Berea, nest 100 feet north of above nest, 4' up in small hawthorn; June 10, 4 eggs; June 12, bird incubating 4 eggs; June 16, 4 naked young with eyes unopened; June 27, young fully feathered; June 30, 4 young left nest for branches; July 1, young back in nest, but left for branches at approach of observer - Akers.

- Yellow-throated Vireo - Aurora, June 11, adults carrying food to nest suspended from small branch 4' from trunk, 40' up in white oak - Hamann.  
- Aurora, June 19, bird seen feeding young - Ramisch.
- Red-eyed Vireo - Willoughby, Sterling Hill, August 6, nest with 3 young vireos and 1 unhatched cowbird egg - Shankland.  
- Aurora, June 18, nest in small beech 8' up, 3 young; June 22, one young on branch near nest - Hamann.
- Yellow Warbler - Novelty, June 8, nest in center of haw bush 4' up, 2 eggs, 2 young - Downer.  
- Novelty, June 8, nest in willow bush 4' up, 2 young - Downer.  
- Novelty, June 26, nest in wild apple 5½' up - Downer.  
- Novelty, June 26, nest in haw bush 40" up - Downer.  
- Novelty, June 12, nest in wild apple, 4 eggs - Downer.
- Cerulean Warbler - Aurora, June 18, nest in fork of elm 30' up, 2 young in nest and one young on branch about a foot away being fed by both adults - Hamann.
- Oven-bird - Stebbin's Gulch, June 12, 2 separate adults feeding fledgling young - Newman.
- Yellow-breasted Chat - Novelty, June 22, nest in blackberry tangle 4½' up, 3 eggs - Downer.  
- Novelty, July 31, 2 nests in heavy undergrowth - Downer.
- Hooded Warbler - Bedford Reservation, June 11, nest 2½' up in crotch of dead branch which had fallen to ground and become entangled in small sugar maple sapling, 3 young scarcely more than 1 day old, 1 unhatched egg - Newman.  
- Wickliffe, July 17, nest 3' up in ash seedling, bird singing nearby - Downer.
- Redstart - Hinckley, June 12, adults feeding 4 young in nest 9' up in American hornbeam - Davies.  
- Stebbin's Gulch, June 18, 3 different families with young being fed - Ramisch.  
- Aurora, June 11, nest 9' up in hawthorn in woods, female brooding 4 featherless young - Hamann.  
- Aurora, June 30, adults feeding young in nest in ironwood 15' up - Hamann.
- Scarlet Tanager - Aurora Pond, May 31, female building nest; June 2, female on nest; June 6, female incubating 2 eggs; June 20, nest empty - Hamann.  
- Aurora Pond, June 26, adults feeding 1 young bird out of nest - Davies.
- Meadowlark - Euclid, June 8, nest, 4 young birds nearby - Downer.
- Baltimore Oriole - Aurora, June 25, female feeding noisy young in nest 35' up at end of branch of white oak; nest large in diameter and about half length of usual nest - Hamann.
- Cardinal - Stebbin's Gulch, June 12, nest in grapevine tangle about 14' up, 2 young on ground beneath nest, 1 young observed leaving nest - Newman.  
- Aurora, July 14, female flushed from nest in hawthorn 6' up, 1 egg - Hamann.
- Rose-breasted Grosbeak - Aurora, June 6, male on nest in wild apple tree 15' up; June 20, 23, female and male observed alternately on nest - Hamann.
- Indigo Bunting - Willoughby, July 25, nest 3' up, 4 young left nest - Shankland.
- Goldfinch - Willoughby, 2 nests in small maples on lawn, eggs laid last week in July, young flying about August 15-20 - Shankland.  
- Aurora, August 13, 2 well grown young in nest in wild apple tree 6' up - Hamann.  
- Aurora, August 18, 4 half grown young in nest ¾' up in haw - Hamann.  
- Aurora, August 22, female brooding 3 recently hatched young and incubating 1 egg in nest 5½' up in hawthorn - Hamann.  
- Aurora, August 22, nest, 3 young in hawthorn 4' up - Hamann.
- Towhee - Wickliffe, July 10, nest on ground under small pear seedling, 1 egg - Downer.

- Henslow's Sparrow - Farm near Avon, July 11, adult feeding 1 young bird in meadow - Davies.
- Chipping Sparrow - Hinckley, May 22, nest 4' up in evergreen, 4 eggs; May 29, 2 young, 2 eggs; June 5, 3 young; June 12, nest empty - Hartman.
- Field Sparrow - Aurora, July 15, female flushed from nest in hawthorn 3' up - Hamann.
- Aurora, July 15, nest, 3 eggs - Hamann.
  - Aurora, June 22, adult flushed from nest in small hawthorn 1' up, 3 eggs - Hamann.
  - Novelty, June 8, nest in haw bush 2½' up, 4 eggs - Downer.
  - Wickliffe, July 10, nest 10' up in grass patch, 3 young, 1 egg - Downer.
- Swamp Sparrow - Aurora, June 2, nest in sedge, 3 eggs - Hamann.
- Song Sparrow - Rocky River, June 22, adult feeding young cowbird out of nest - Davies.
- Aurora, June 22, nest, 4 eggs in blackberry tangle - Hamann.
  - Novelty, June 8, nest on ground, 5 eggs - Downer.
  - Novelty, June 26, nest in haw bush 4' up, 1 cowbird egg - Downer.

## FIELD NOTES

### Report on Purple Martin Colonies

Our request for reports on colonies of purple martins nesting in the Cleveland region netted 37 responses. Of those, about one third were in the city of Cleveland, one third in suburban residence sections, and one third in open country. In all, 73 martin houses were included, with a total of 741 pairs of nesting birds.

The largest colony was reported at the home of Mr. A. Reck of Brecksville, who has two houses with a total of 82 rooms and about 60 pairs of nesting birds. The next largest was that of Mr. Harry Schwarzer at North Royalton, who has 3 houses of 127 rooms, and 50 pairs of nesting birds. The Acacia Country Club is credited with 2 houses of 32 rooms "all full".

Illustrations of nesting colonies in the midst of crowded city conditions are the following: Two houses, with 18 rooms completely occupied, on the roof of the O'Brien Hardware Store, 5512 Detroit Avenue. Street traffic here is heavy, noisy and continuous. Six houses, with 30 rooms all full, at the home of Mr. Norman Gutschmidt, 3121 Trowbridge Avenue, a closely built-up neighborhood of small homes in south Cleveland. Two pairs of martins nesting in some broken electric light fixtures over a parking lot near the corner of Arthur and Detroit Avenues. Four pairs nesting in an empty building at East 71<sup>st</sup> and Wade Park Avenue.

An interesting sidelight developing from the inquiry is that the village of Chardon is a regular center of martin colonies, and that the Amish people in the vicinity of Chardon and Burton are great lovers of those birds. Nearly every Amish farm is said to be provided with martin houses.

A more intensive effort to locate purple martin colonies next spring should result in adding considerably to this year's rather late returns. However, 741 nesting pairs is a good beginning.

Arthur B. Williams