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NO. 1

COMMON GALLINULE NESTING IN EAST TENNESSEE

MORRIS D. WILLIAMS

On 26 May 1970 Fred Alsop and I located a nest containing seven eggs and one downy young in a small marsh at the Powell Airport in Knox County, Tennessee. We were aware that J. C. Howell had found King Rails (*Rallus elegans*) nesting in this area in the early 1950's (Howell and Monroe, 1957). Although we never saw an adult bird around this nest, I doubt that it ever occurred to either of us that we had found anything other than a King Rail nest. Subsequently, Alsop (1970) published a note describing this as the first King Rail nest in Knox County in 18 years (see this article for more details regarding the nest and nest site).

In the years following this discovery, I located and photographed about seven clutches of King Rail eggs in the Alcoa Marshes of Blount County. A comparison of these photographs with those that I had made of the Knox County nest showed that the Knox County eggs had a much darker background color than any of the other King Rail eggs; furthermore the young from the Knox County nest fit the published descriptions of the young Common Gallinule (*Gallinula chloropus*) better than the descriptions of other marsh birds. The young bird as depicted in my photographs had black down which was rather sparse on the crown. The skin at the base of the bill was bright red; the bill was white. The feathers on the chin were orange. The feet and legs were pink, or flesh-colored. Bent (1926) described the downy young Common Gallinule as ". . . nearly bald, the crown being very scantily covered with black hairlike down; the skin at the base of the bill is bright red; the black down on the chin and throat is tipped with curly whitish hairs. . . ." Roberts (1955) described it as, "Black, with curly hair-like feathers on throat and around base of bill tipped with white; top of head largely bare . . . skin about base of bill reddish. Bill red, tipped with black."

To corroborate my reidentification of this nest, I sent copies of the photographs along with all the information I had regarding the nest, including a copy of Alsop's article, to several authorities. A reply from Marshall A. Howe, Acting Chief, Bird Section, U. S. National Museum, dated 13 January 1975, stated in part, "The information supplied is not adequate for us to make a positive identification, but Common Gallinule seems to be the likeliest pos-

sibility." Howe was puzzled by the orange feathers on the chin; he questioned whether this color might have been due to egg yolk. A letter from Brooke Meanley, Research Biologist, Bureau of Sport Fisheries and Wildlife, dated 24 January 1975, said, "The photographs are of young gallinules, and probably Common Gallinules. They certainly are not of King Rails." A reply from John Farrand, Jr., Dept. of Ornithology, American Museum of Natural History, dated 18 February 1975 stated in part, "The nest, eggs and downy young in the two photographs are, as you suspected, those of the Common Gallinule . . . the photograph of the newly-hatched young bird leaves no doubt as to the identification. The red flesh at the base of the bill, the light-colored down on the chin, and the fact that the down on the crown is sparse and 'plastered down' are all diagnostic characters of the downy young Common Gallinule." Farrand, too, was puzzled by the color of the down on the chin. In all of the American Museum specimens this down was whitish. Farrand suggested that the color might have faded in the museum specimens. He also suggested that the various published descriptions might have been based on museum specimens. An alternate suggestion was that newly-hatched birds have orange down on the chin which fades to whitish within a few days.

I would appreciate receiving information regarding down color from anyone who has seen newly-hatched Common Gallinules.

The Common Gallinule has been found breeding previously in Tennessee only at Reelfoot Lake. Several records of nests and young exist for that region (Ganier, 1933; Whittemore, 1937; Pickering, 1941; Spofford, 1941; Mengel, 1965:233). In addition, Rhoads (1895:473) considered the "lead-colored dumpy duck," which Benjamin Miles included among the breeding species of the Brownsville area, to be the Common Gallinule.

I have located 14 published records of the Common Gallinule in East Tennessee. Nine of these records were made between 14 April and 20 May (Howell and Monroe, 1957; Comstock, 1961; Nevius, 1963a, 1963b; Owen, 1967; Campbell, 1971 [this date should be 29 April 1971, not 24 April as stated]; Rowell, 1972; Nicholson, 1973). There are three late spring and summer records for the area. Nevius and Nevius (1957) recorded one in Greene County on 10 June 1957. Howell and Monroe (1957) presented two summer records for Knox County, one each on 25 June and 1 July 1950. The two remaining East Tennessee records were made in October (Herndon, 1951; Howell and Monroe, 1957). In the future Common Gallinules should be regarded as possible breeding birds rather than only as migrants or stragglers.

Extreme caution should be exercised in identifying unfamiliar nests when the adult birds are not seen. The importance of photography in field ornithology is once again manifested. Without color photographs this record would never have been uncovered.

I am grateful to the individuals and institutions mentioned who examined my photographs.

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CORRECTIONS

The Migrant 45:31, 1974. Line 13 should read 30 October at WSM, not 26 October.

The Migrant 45:58, 1974. Line 21 of Table 1 opposite Tennessee Warbler add the following dates: 5 Oct. (2); 6 Oct. (1, 7); 8 Oct. (1); 15 Oct. (1); 17 Oct. (1).

EASTERN BLUEBIRD NESTING AT ASHLAND CITY, 1974

MARTHA F. HERBERT AND MARY ANN STEPHENS

This report is a continuation of the reports on the nestings of Eastern Bluebirds (*Sialia sialis*) in the Neptune community of Ashland City 1968-1973 by Amelia R. Laskey and Martha F. Herbert.

Nest building started in late March with the first nest being complete on 22 March. On 31 March, there were five eggs in the nest. The last active nest in the fall was on 4 August. The last young for the season were banded on 3 September.

This year there were sixty-nine boxes available for occupation and sixty-seven of these were active sometime during the nesting season of March to September. Twenty of these boxes had three nestings, 34 of the boxes had two nestings and 14 of the boxes had only one nesting. This left two boxes not being occupied at all. One of these was probably empty due to the cats living in the area near by. There is no obvious reason for the other.

In the sixty-seven active boxes, there was a total of 596 eggs laid. Of this number, 408 of the eggs developed young that were banded. This shows a success rate of 67 percent. There were a total of 126 clutches laid and 96 of these were successful. Of the 596 eggs, 575 of them were the usual blue common to bluebird eggs, but 21 of these were pure white. These white eggs were found in five separate clutches, three of the clutches being in the same box. Three of these five clutches were successful, one disappeared completely and the other was abandoned. One nest about the middle of the season contained one small egg about half the size of the three other normal-sized eggs in the nest with it. This egg was the usual blue color natural to bluebird eggs.

There was one nest of Carolina Chickadee (*Parus carolinensis*) producing six young in one bluebird box. Encroachment by the House Sparrow (*Passer domesticus*) was limited to two boxes this year. Both boxes later produced successful bluebird nests. In addition to the 69 boxes available, some of the bluebirds nested in Purple Martin houses in the area. These are not included in the above statistics. One bluebird nest was found in an old Thermos bottle hanging on a porch by the front door. This has been used for several years and this year produced three eggs and three young were banded. There were two instances, in completely different parts of the area included in the report, where clutches of eggs were laid on the bottom of the boxes with no nest at all. Both of these clutches were abandoned and did not hatch.

There were six instances of snake predation on bluebird nests. One box contained two snakes at the same time. Upon checking another box, the snake was found to still be inside. The hole was closed up to prevent the snake from leaving, but it forced the cover from the opening and escaped.

Vandalism to the boxes was not as noticeable this year as in some past. One box was completely removed, post and all, and carried away. At another box young children were suspected of disturbing the nest which was deserted, but

there was another successful nest built there later in the season. There was one possibility of insecticide poisoning in a box near a garden where the female and three young were found dead on the nest.

On 8 July, an immature bluebird was observed flying down from a power-line with food in its beak and entering a bluebird box occupied by two nestlings. It then flew away from the box without the material in its beak.

Route 5, Box 167, Ashland City 37015; 1262 Hillwood Drive, Clarksville 37040.

NINTH ANNUAL
SYMPOSIUM AND FALL MEETING
TENNESSEE ORNITHOLOGICAL SOCIETY

10-11-12 OCTOBER, 1975

HOLIDAY HILLS RESORT, CROSSVILLE, TENNESSEE 38555

Thirty-two rooms with two double beds each are reserved. A few cabins are also being held at Cumberland State Park. TOS members should make their own individual reservations. To be sure you get accommodations make your reservations early. Be sure to state that you are with TOS. All meetings will be at Holiday Hills Resort. Holiday Hills Resort ph. 484-1017; Cumberland State Park ph. 484-6138.

11 October, Saturday

08:00 — Field trip from Holiday Hills parking lot.

13:30-15:00 — Board of Directors Meeting.

15:00-17:00 — Paper session.

17:30-19:00 — Supper.

19:00-22:00 — Paper session.

12 October, Sunday

08:00 — Field trip from Holiday Hills parking lot.

For further details about the meeting contact Kenneth H. Dubke, Route 1, Box 134-D, Ooltewah, Tennessee 37363 or George R. Mayfield, Jr., Maury County Hospital, Columbia, Tennessee 38401.

THE 1974 CHRISTMAS BIRD COUNTS

MORRIS D. WILLIAMS

Approximately 375 observers participated in 24 organized counts across the state between 14 December 1974 and 5 January 1975 during the 44th annual Christmas Bird Count in Tennessee. About 15 million birds representing 131 species were recorded. The species total is the third highest ever recorded in Tennessee on the Christmas Counts.

The Yellow-breasted Chat and the Indigo Bunting appear on the Christmas Counts for the first time. Both of these species, however, have been recorded previously in Tennessee in the winter.

Counts were conducted in Ashland City and Manchester for the first time this year. For the first time in recent years a count was not made at Savannah.

In some instances in order to fit the data into the columns, I have rounded the figures and used symbols.

One should realize that the high numbers of Starlings, blackbirds, and Common Grackles are crude estimates and are subject to a high degree of error.

As usual the counts are tabulated in the order of their occurrence from west to east across the state.

INFORMATION ON THE COUNTS

MEMPHIS—15 Dec.; 06:30 to 17:00; mostly clear; temp. 43° to 51°; wind NW, 0-7 mph; 25 observers in 8 parties. 58 party-hours (38 on foot, 20 by car); 142 party-miles (41 on foot, 101 by car).

LeConte's Sparrow by BBC. Harris' Sparrow by NS.

Seen in count period: Rough-legged Hawk, House Wren.

David Brown, Tiny and Ed Carpenter, Lula and Ben B. Coffey (compilers—672 N. Belvedere, Memphis 38107), Julian Darlington, Mary Davant, Fred Dickson, Helen and Henry Dinkelspiel, Frances Dowdy, John Embury, Billy Grimm, Lee Johnson, Allan Larrabee, Jerald Ledbetter, Ernest Restivo, Harry Sayle, Alice Smith, Arlo and Noreen Smith, Richard Taylor, Martha Waldron, Wendell Whittemore, Richard Whittington.

REELFOOT—21 Dec.; 07:00 to 16:30; clear; temp. 35° to 50°; wind NW, 7-12 mph; 12 observers in 6 parties; 50 party-hours (16 on foot, 29½ by car, 4½ by boat) plus 1 observer at feeder for 4 hours; 363 party-miles (22 on foot, 329 by car, 12 by boat).

White-fronted Goose by Mannings. Rough-legged Hawk by GM and BS. Common Yellowthroat by GL. Indigo Bunting by DP.

Seen in count week: Osprey, Common Snipe, Fish Crow (3 identified by call by DM, I omitted two Fish Crows from the count because they were identified by size alone—MDW), Vesper Sparrow.

THE 1974 CHRISTMAS BIRD COUNTS

	Memp	Reelf	Dover	Clark	Laure	Ashla	Colm	Maahy	Spring	Hicko	Murfr	Leban	Hannah	Cooke	Chart	Husas	Norri	Knoxv	GSMNF	Green	Kings	Eliza	Brist	
Common Loon	--	--	--	--	--	--	--	1	--	25	--	3	--	3	--	3	--	2	--	--	--	2	1	8
Horned Grebe	--	--	1	--	1	--	1	1	--	289	--	30	--	29	--	30	--	8	--	--	--	2	7	8
Pied-billed Grebe	4	9	7	3	1	6	6	8	64	4	7	42	--	15	--	18	--	18	--	--	--	24	7	29
Osprey	--	3	--	--	--	--	--	--	--	--	6	--	--	6	--	--	--	--	--	--	--	--	--	--
Great Blue Heron	--	10	40	3	--	34	5	--	6	10	2	--	6	130	2	48	--	--	--	--	4	33	--	16
Green Heron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--
Bl.-cr. Night Heron	--	--	--	--	--	--	1	--	--	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Green Goose	15.6M	2.5M	18	--	2	2	7	165	--	662	5	41	2.2M	1	9	29	6	--	--	--	--	--	6	--
White-cr. Goose	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Snow Goose	12	8	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--
S. Goose (blue morph)	40	--	--	1	--	1	--	--	--	231	4	5.9M	29	10	--	8	100	7	17	--	3	699	36	67
Mallard	16	78M	10M	13	35	600	67	--	--	2	6	1.4M	15	30	130	--	18	--	2	--	400	3	17	--
Black Duck	3.2M	250	3	--	50	4	--	2	6	--	1	4	3	--	--	--	--	--	--	--	--	--	--	--
Gadwall	2	6.8M	250	31	--	14	--	15	2	76	34	--	25	--	--	--	--	--	--	--	--	--	--	--
Pintail	200	75	--	--	--	--	--	--	--	2	76	--	--	--	--	--	--	--	--	--	--	1	--	--
Green-winged Teal	125	20	1	--	4	--	--	--	--	2	300	--	--	--	--	--	--	--	--	--	--	--	--	1
Blue-winged Teal	15	--	--	--	--	--	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
American Wigeon	8M	200	25	--	--	--	--	11	475	41	--	15	--	--	--	--	--	--	--	--	6	10	--	--
Northern Shoveler	4	800	--	--	--	--	--	4	10	3	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Wood Duck	19	60	--	--	2	2	--	4	12	7	11	--	--	--	--	--	5	--	--	--	5	5	2	--
Redhead	40	--	--	--	--	--	--	--	4	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ring-necked Duck	4.8M	1	27	--	42	18	--	36	950	--	2	--	--	--	--	--	52	212	--	--	75	212	--	--
Canvasback	60	--	--	--	--	--	--	20	30	--	--	--	--	--	--	--	1	--	--	--	2	--	--	--
Greater Scaup	71	300	--	--	16	34	--	56	60	--	110	--	42	--	--	--	5	--	--	--	6	4	--	--
Lesser Scaup	--	--	--	8	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Scaup sp.	--	--	--	1	--	--	--	14	--	35	--	--	--	--	--	--	2	15	4	--	--	7	67	--
Common Goldeneye	20	--	--	--	--	--	--	2	--	6	--	--	--	--	--	--	30	--	--	--	--	--	--	--
Bufflehead	3	600	3	--	2	--	--	--	--	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Huddy Duck	120	123	--	--	--	--	--	--	6	100	--	130	--	--	--	--	--	--	--	--	2	2	8	--
Hooded Merganser	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Common Merganser	5	2	--	--	--	--	--	1	--	--	--	--	--	--	--	--	3	--	--	--	2	--	21	--
Red-br. Merganser	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	31	--	--
Turkey Vulture	4	27	17	51	--	24	--	3	10	1	2	20	--	--	--	1	5	--	--	--	1	5	--	1
Black Vulture	5	140	35	3	230	55	4	1	4	1	5	--	25	--	--	2	--	--	--	--	--	--	--	--
Sharp-sh. Hawk	--	--	1	--	1	--	--	1	1	2	1	--	--	--	--	1	1	--	--	--	--	--	--	--
Cooper's Hawk	43	25	5	9	7	5	14	26	13	12	1	5	2	2	19	5	1	8	3	3	5	4	5	--
Red-tailed Hawk	1	9	1	8	2	8	1	2	2	--	--	--	--	4	1	1	--	--	--	--	--	1	1	--
Black Hawk	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rough-leg. Hawk	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Golden Eagle	1	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	Memp	Reif	Dover	Clark	Lawre	Ashla	Colum	Nashv	Spring	Hicko	Marfr	Leban	Manch	Cooke	Chart	Hivas	Horri	Knosv	GSBP	Green	Kings	Eliza	Brist
Bald Eagle	39	1	2	6	5	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Marsh Hawk	5	2	2	18	11	14	13	34	41	30	15	11	26	2	16	5	5	15	2	3	4	11	15
American Kestrel	2	16	2	38	11	14	13	34	41	30	15	11	26	2	16	5	5	15	2	3	4	11	15
Ruffed Grouse	56	24	24	137	86	24	22	40	43	4	1	73	1	10	19	1	1	37	1	28	32	34	1
Bobwhite	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Turkey	68	1	1	940	33	313	35	26	214	57	5	387	1	3	11	2	5	3	11	2	5	2	5
American Coot	79	31	25	58	36	11	17	31	22	2	1	200	3	44	1	36	37	44	14	36	37	44	14
Mallard Duck	72	31	25	58	36	11	17	31	22	2	1	200	3	44	1	36	37	44	14	36	37	44	14
AW Woodcock	73	15	42	6	1	21	9	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Common Snipe	73	15	42	6	1	21	9	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Least Sandpiper	34	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
Dunlin	34	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
Herring Gull	41	22	22	58	150	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Ring-billed Gull	229	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236
Bonaparte's Gull	3	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231
Rock Dove	1	4	3	18	15	20	23	92	35	112	12	268	90	240	153	35	46	296	63	232	178	150	560
Mourning Dove	90	69	5	169	150	50	38	143	145	12	268	90	240	153	35	46	296	63	232	178	150	560	1
Barn Owl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Screech Owl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Great Horned Owl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Barn Owl	2	33	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Belted Kingfisher	4	10	13	8	7	9	20	5	12	1	11	4	2	7	3	3	20	17	2	11	26	9	1
Common Flicker	149	70	7	36	30	19	29	75	17	53	38	21	7	12	37	6	5	21	30	7	11	12	8
Pileated Woodpecker	10	30	1	15	12	12	17	42	12	5	4	1	6	8	1	3	3	19	3	14	8	2	2
Red-bell. Woodpecker	69	67	5	61	30	16	53	90	26	19	10	17	4	20	9	5	1	20	6	2	25	3	4
Red-hd. Woodpecker	8	10	2	2	2	2	3	6	11	1	1	2	2	2	2	2	2	2	2	2	2	2	2
Yel.-bel. Sapsucker	25	14	1	21	5	3	14	37	4	14	10	7	4	1	20	1	1	11	1	1	11	2	1
Hairy Woodpecker	16	2	1	18	8	2	16	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Downy Woodpecker	46	46	15	38	16	10	42	104	25	36	11	38	1	20	11	1	3	31	41	4	25	44	20
Eastern Phoebe	5	3	6	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Horned Lark	48	81	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
Blue Jay	229	72	40	197	206	49	63	201	174	94	71	172	49	64	92	15	33	154	71	55	77	93	93
Common Raven	73	92	48	289	183	135	87	280	82	110	27	133	546	42	114	525	383	240	133	55	233	348	172
Blk.-cap. Chickadee	211	159	40	108	52	8	105	320	55	110	54	146	20	37	77	40	36	129	4	28	149	219	44
Carolina Chickadee	60	45	25	86	38	3	80	159	32	62	18	126	28	59	18	15	11	36	104	42	117	116	36
Tufted Titmouse	2	7	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
White-br. Nuthatch	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Red-br. Nuthatch	14	5	6	8	1	3	8	7	3	4	2	1	2	1	2	1	4	5	7	5	12	2	2
Brown Creeper	20	27	7	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
House Wren	146	63	9	57	30	6	32	111	22	67	24	17	8	20	59	14	15	307	87	39	55	109	25
Winter Wren	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bewick's Wren	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Carolina Wren	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Eng.-bill. Marsh Wren	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

	Memph	Reelf	Dover	Clark	Lavro	Ashla	Colum	Washv	Spring	Hicks	Murfr	Leban	Manch	Cooke	Chartz	Hivas	Norri	Knorr	CSMSP	Green	Kings	Eliza	Brist
Mockingbird	160	17	6	97	107	5	65	237	97	128	176	89	23	20	55	15	44	102	10	26	72	28	36
Brown Thrasher	12	3	--	1	6	--	8	6	--	7	10	7	1	8	15	2	--	2	2	1	4	1	--
Robin	317	12	7	107	52	30	2M	400M	44	4802	597	3-9M	3	8	717	350	7	29	112	111	47	21	9
Bermat Thrush	30	23	3	4	10	1	2	8	--	6	--	--	--	--	6	1	1	--	--	6	--	4	1
Eastern Bluebird	73	5	15	74	56	15	41	75	30	15	2	70	4	22	25	50	37	9	53	3	9	39	11
Golden-cr. Kinglet	43	7	2	23	16	13	3	35	8	36	--	--	--	12	29	40	23	70	186	2	30	58	25
Ruby-cr. Kinglet	44	35	2	22	39	9	31	27	3	20	1	8	8	4	73	20	17	18	31	4	6	17	8
Water Pipit	--	--	3	--	--	--	--	--	--	--	--	--	--	1	36	--	--	--	--	--	--	--	--
Cedar Waxwing	--	1	--	--	--	8	--	65	--	80	7	407	9	--	296	20	--	64	122	5	16	--	--
Loggerhead Shrike	8	18	4	13	25	9	13	26	15	4	3	9	5	1	4	3	3	8	--	4	4	3	1
Starling	41.9M	380M	150	1.4M	2.3M	900	356M	200M	1K	8.7M	M	1.4M	470	2.5M	1.3M	1.2M	260	7.4M	166	250	780	2.1M	3.4K
Yel.-rumped Warbler	142	51	3	11	13	10	16	41	--	11	1	2	--	4	109	25	4	69	11	11	17	26	1
Pine Warbler	1	--	--	--	--	--	1	--	--	--	--	--	--	2	2	--	--	--	--	--	--	--	--
Pala Warbler	--	--	--	--	--	--	--	--	--	--	1	5	--	--	--	--	--	--	--	--	--	--	--
Gov. Yellowthroat	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Yellow-br. Chat	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
House Sparrow	162	370	30	128	134	2	183	72	178	89	M	193	26	62	56	5	4	85	87	44	187	122	76
Eastern Meadowlark	216	91	35	115	190	61	96	269	241	135	33	236	246	80	90	35	6	108	23	60	107	98	90
Red-wing. Blackbird	2.2M	1.8K	500	574	715	56	1.8M	370	15M	74	41	--	1.1M	--	859	2	--	263	3	1	1	--	450M
Rusty Blackbird	10	74	100	--	97	--	286	120	30M	11	132	--	--	12	161	--	--	250	--	--	--	--	150M
Brewer's Blackbird	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Common Grackle	6.0M	806M	50	3M	8.6M	521	506M	3.1M	950M	389	70	77	3.7M	43M	916	150	17	37	--	--	10	31	3.4K
Brown-hd. Cowbird	1.2M	96M	17	41	443	30	2M	26	5M	94	7	137	--	110	389	75	--	20	--	--	1	--	150M
Cardinal	545	163	35	358	220	168	203	520	137	162	8	337	45	114	92	20	97	205	137	52	145	94	101
Indigo Bunting	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dickcissel	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Evening Grosbeak	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	277	--	--	--
Purple Finch	125	2	20	66	74	8	135	275	14	135	116	245	2	40	82	30	8	174	79	3	103	8	18
Pine Siskin	--	--	--	--	--	--	11	--	--	8	--	--	--	--	--	1	--	10	--	--	--	12	2
American Goldfinch	115	149	20	147	183	12	39	442	13	76	13	33	1	9	107	20	43	77	96	46	63	123	31
Red Crossbill	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8	--	--	44	--	--	110	5
Rufous-aid. Towhee	120	6	5	78	80	3	69	174	13	48	44	47	10	63	51	8	15	73	32	8	25	110	5
Savannah Sparrow	198	--	1	3	12	8	10	--	30	3	--	1	--	--	12	4	--	27	--	2	--	3	--
LeConte's Sparrow	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Veepar Sparrow	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dark-eyed Junco	742	281	45	378	243	108	82	648	118	202	36	273	48	17	188	45	96	159	157	10	161	134	133
Tree Sparrow	--	41	--	6	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Chipping Sparrow	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1
Field Sparrow	274	323	35	123	225	54	141	147	182	61	29	128	16	68	55	45	48	92	64	76	85	24	38
Harris' Sparrow	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
White-cr. Sparrow	9	61	--	1	60	8	72	55	17	10	15	52	11	2	35	--	2	15	--	30	34	6	13
White-th. Sparrow	1.3M	354	80	180	108	108	347	326	44	206	49	490	21	120	435	75	98	598	251	52	292	187	64
Fox Sparrow	108	46	2	18	--	1	4	2	8	7	22	--	--	2	5	--	--	--	3	1	--	--	1
Lincoln's Sparrow	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Swamp Sparrow	202	208	20	160	27	14	20	32	6	50	1	--	--	10	40	15	--	4	--	--	--	17	1
Song Sparrow	304	104	10	170	102	72	57	156	65	189	8	173	7	17	79	20	35	190	179	57	127	69	64
No. of Specimen	68	95	30	70	67	58	78	72	60	79	63	75	64	47	78	69	47	71	51	54	74	66	67

M=1,000

* = a total of 264 chickadees of both species were seen.

Fourteen of the Bald Eagles were immature.

Wendell Crews, Gerald Ledbetter, Don and Gina Manning (compilers—103 Stonewall Circle, McKenzie 38024), David Pitts, Alice Smith, Arlo and Noreen Smith, Harry Smith, Martha Smith, Bettie Sumara, Martha Waldron, Richard Wallace.

DOVER—31 Dec.; 06:30 to 16:00; cloudy with showers; temp. 56° to 64°; two observers in 1 party; 74 party-miles (72 by car, 2 on foot).

Seen in count period: Redhead, Canvasback, Barred Owl, Pine Siskin.

John W. Sexton (compiler—Route 1, Dover 37058), Gary O. Wallace.

CLARKSVILLE—21 Dec.; 06:45 to 16:30; mostly clear; temp. 30° to 50°; wind SW, 5-10 mph; 21 observers in 5 parties; 44 party-hours (21-2/3 on foot, 22½ by car) plus 12 observers at feeders for a total of 12 hours; 279 party-miles (19 on foot, 260 by car).

Joe Allen, Andy Barrass, Gabriele Black, David Chiles, Adney Cross, Mike Dinsmore, Mike Filson, Floyd Ford, Scott Gunn, Jerold Harris, Nita Heilman, Kathy Lee, Tony Mahoney, James Majors, Bill and Gloria Milliken, Millie Perry, David Snyder (compiler—Dept. of Biology, Austin Peay State Univ., Clarksville 37040), Juanita Snyder, Mary Ann Stephens, Juaquin Walling.

LAWRENCE COUNTY—26 Dec.; 07:00 to 17:00; mostly cloudy with light rain in p.m.; temp. 25° to 37°; wind, light and variable; 11 observers in 4 parties; 42 party-hours (15 on foot, 27 by car) plus 1 observer at feeder for four hours; 190 party-miles (13 on foot, 177 by car).

Lloyd Clayton (compiler—Route 4, Box 175A, Lawrenceburg 38464). Helen Clayton, Tom Hull, David Ihrle, George Mayfield, Jr., Delton Porter, Paul Porter, Ralph Ring, Don Simbeck, Morris Williams, Wylie Willis.

ASHLAND CITY—(new count) 36° 19'N, 87° 7'W, centered at bridge on state hwy. 12 over Sycamore Creek, 4 miles NW of Ashland City Court House. Habitat coverage: lakes and riversides 30%, brushy fields 20%, cultivated fields 18%, woodland 16%, pastures 6%, swamps 7%, residential 3%.

21 Dec.; 06:00 to 18:30; clear; temp. 25° to 45°; wind SSW, 5-15 mph; 6 observers in 4 parties; 49½ party-hours (43 on foot, 6½ by car); 50 party-miles (18 on foot, 32 by car).

Seen count week: Sharp-shinned Hawk, Long-eared Owl, Horned Lark, White-breasted Nuthatch.

Craig Empson, Johnny Herbert, James Holt, Richard Holt, Robert Milburn, Rocky Milburn (compiler—R. 1, Hwy. 49, Ashland City 37015).

COLUMBIA—28 Dec.; 05:00-22:00; overcast; temp. 45° to 52°; wind, E, 0-5 mph; 13 observers in 4 parties (1 at feeder); 28 party-hours (20 on foot, 8 by car); 201 party-miles (18 on foot, 183 by car).

Seen in count period: White-breasted Nuthatch, Cedar Waxwing, Vesper Sparrow.

Kenneth Anderson, Ed Byassee, Barbara Finney, William Fugua, Dan Gray, Jr. (compiler—Maury County Hospital, Columbia 38401), Mark Mayfield, Rad Mayfield III.

NASHVILLE—28 Dec.; 06:00 to 21:00; overcast, intermittent light rain; temp. 40° to 48°; wind NW, 4 mph; 34 observers in 13 parties; 102 party-hours (36 on foot, 66 by car) plus 6 observers at feeders for a total of 48 hours; 353 party-miles (36 on foot, 317 by car).

Yellow-breasted Chat carefully identified by William and Lucy Finch. Seen count week: Mallard, Common Goldeneye.

Clyde and Vivian Anderson, Sue Bell, Michael Bierly, Ruth Castles, Elizabeth Collins, Paul and Dot Crawford, Annella Creech, Milbrey Dugger, Mrs. Nelson Elam, John and Evelyn Ellis, Lou and Louann Farrell, William and Lucy Finch, Katherine Goodpasture, Ben Groce, John Herbert, Louise Jackson, Margaret Mann, Randy Martin, Oscar and Marjorie Patrick, Shirley Patterson, Win Shaughnessy (compiler—6413 Currywood Dr., Nashville 37205), Pat Stallings, Anna Thomas, Mr. and Mrs. Kenneth Walkup, Virginia Workman.

SPRINGFIELD—22 Dec.; 06:30 to 18:30; clear; temp. 30° to 56°; wind SE, 5-15 mph; 17 observers in 10 parties; 47 party-hours (9 on foot, 38 by car); 221 party-miles (10 on foot, 211 by car).

Seen count period: Cedar Waxwing.

Nancy and Richard Coleman, Robert Fitz, Mr. and Mrs. J. Gunn, James Holt (compiler—Box 250, Springfield 37172), Richard Holt, Robert Holt, Irene Johnson, Mr. and Mrs. George Laughlin, Charles Ralph, Russell Sawyers, Betty and Odis Swallows, Barbara and Jack Werner.

HICKORY-PRIEST—21 Dec.; 04:00 to 17:00; clear, temp. 31° to 52°; wind SW, 0-20 mph; 16 observers in 6 parties; 56 party-hours (20 on foot, 28 by car, 8 by boat) plus 3 observers at feeders for a total of 5 hours; 219 party-miles (21 on foot, 183 by car, 15 by boat).

Seen count week: Barred Owl.

Vivian Anderson, Sue Bell, Michael Bierly (compiler—2415 Crestmoor Rd., Nashville 37215), Annella Creech, Milbrey Dugger, Charles Farrell, Sally Fintel, William Fintel, Carol Knauth, Margaret Mann, Randy Martin, Elizabeth Murray, Marge and Oscar Patrick, Virginia Price, Betty Richards, Pat Stallings, Ann Tarbell, Lawrence Trabue.

MURFREESBORO—28 Dec.; 08:00 to 17:00; overcast, intermittent showers, windy; temp. 45° to 50°; two parties by car, 110 miles; one party on foot; 20 feeder observers.

Dickcissel seen by Alberta Spence and later by Anne Hettish.

Josephine Cantrell, Patrick Doyle, Cleo Edwards, Lou Erwin, Helen Greever, Edith Haynes, Anne Hettish (compiler—108 Lawndale, Murfreesboro 37130), Bob Hettish, Linda Johnson, Maxie Jones, Pat Martin, Maud McClain, Ruth Odum, Elizabeth Pendleton, Alberta Spence.

LEBANON—21 Dec.; 06:00 to 22:00; clear; temp. 38° to 52°; wind W, 5-20 mph; 10 observers in 9 parties; 33½ party-hours (17½ on foot, 15½ by car, ½ by airplane) plus 12 observers at feeders for a total of 15 hours; 305 party-miles (13 on foot, 247 by car, 12 by airplane).

I omitted 2 Broad-winged Hawks from the count after talking with the observer who agreed that she could have been in error—MDW.

Seen count week: Ring-necked Pheasant, American Woodcock, Common Snipe, Red-winged Blackbird, Rusty Blackbird, Fox Sparrow, Swamp Sparrow.

Mrs. R. L. Bain, Mr. and Mrs. Vernon Bailey, Margaret Bouton, Lucille Chambers, Mr. and Mrs. Ed Cunningham, Bobby Gamble, Mildred Gaston, Marjorie Loyd, Mr. and Mrs. Reid McKee, Mr. and Mrs. Charles Osborne, Ray Pope, Nina Reed, Bill Sellars, John Sellars, Loula Mae Sellars, Rev. William Senter (compiler—313 West Hills Drive, Lebanon 37087), Mr. and Mrs. W. A. Smith, Grace Speck, George Suddarth, Willie Taylor, Tressa Waters, Mary Wharton, Dr. and Mrs. Dean Wilkinson.

MANCHESTER—22 Dec.; 07:00 to 16:30; clear; temp. 30° to 56°; wind NE, 0-15 mph; 12 observers in 4 parties; 22½ party-hours (6 on foot, 16½ by car); 267 party-miles (11 on foot, 255 by car).

Carroll Barr, Stanley Barr (compiler—Rt. 2, Box 475A-1, Estill Springs 37330), Becky Bingham, Ron Bingham, David Boyd, Effi Boyd, Marjory Harper, Dennis Horn, Ruth Luckado, Susi Millaney, Sanford McGee, Monty Wana-maker.

COOKEVILLE—27 Dec.; 08:00 to 16:00; rainy; temp. 45° to 55°.

Beulah Clark, Dr. and Mrs. J. O. Cummings, Ernest Halzhauser, R. D. High, Mr. and Mrs. Frazier Jacques, Amy Johnson, Dr. and Mrs. Sidney McGee, M. R. Richmond (compiler—519 N. Jefferson Ave., Cookeville 38501), Roy Sullivan, Thelma Tinnon, F. R. Toline.

CHATTANOOGA—22 Dec.; clear; temp. 30° to 60°; wind, 0-10 mph; 15 observers in 7 parties, plus 6 observers at feeders; 72 party-hours (42 by foot, 30 by car); 606 party-miles (38 by foot, 568 by car).

David and Lloyd Anderson, Christine and Gary Baynes, Daniel Beckner, David Beckner, Buster Boswell, Jon and Nancy DeVore, Ken and Lil Dubke (compilers—Route 1, Box 134 D, Ooltewah 37363), Jonathan Gibson, Chris Haney, Frank Hixon, Daniel Jacobson, Lemuel Jacobson, Jack and Ruth Lothers, J. Hunter Patterson, Lee Shafer, Mary Tunsberg.

HIWASSEE—1 Jan.; 08:00 to 16:00; cloudy, intermittent rain in a.m., clear p.m.; temp. 58° to 50° in p.m.; wind N, 5-20 mph in p.m.; 3 observers in 1 party; 8 party-hours (5 on foot, 3 by car); 50 party-miles (5 on foot, 45 by car).

Jon E. DeVore (compiler—4922 Sarasota Drive, Hixon 37343), Nancy A. DeVore, Lillian Dubke.

NORRIS—22 Dec.; Greater Knoxville Area Audubon Chapter Members, Mrs. Don Hammer (compiler—809 Medaris St., Clinton 3-716).

KNOXVILLE—15 Dec.; 06:45 to 17:30; overcast, intermittent rain; temp. 34° to 50°; wind, variable, 0-40 mph; 10 observers in 7 parties; 57½ party-hours (33½ on foot, 24 by car); 252 party-miles (30 on foot, 222 by car).

John Elson, J. C. Howell, Terry McGown, Gary Muffly, Holly Overton, Boyd Sharp, Johneta and Louis Smith, James T. Tanner (compiler—Route 28, Box 155, Knoxville 37920), Morris Williams.

GREAT SMOKY MOUNTAINS—29 Dec.; 16:45 to 17:30; overcast to partly cloudy; temp. 42° to 59°; wind, variable, 1-7 mph, up to 35 mph at higher elevations in a.m.; 25 observers in 11 parties; 83 party-hours (37 on foot, 46 by car) plus 2 observers at feeders for a total of 14 hours; 309 party-miles (44 on foot, 265 by car).

Winnifred Brown, James Campbell, Glenn Cardwell, Don DeFoe (compiler—Headquarters, G.S.M.N.P., Gatlinburg 37738), Jay DeFoe, Lori DeFoe, Elizabeth French, James Graves, Maurice Grigsby, Joseph C. Howell, Bruk McDonald, Boyd Sharp, Jr., Johneta Smith, Louis Smith, Arthur Stupka, James Tanner, Joe Watson, Clara Mae Wodtke, Bill Williams, Irene Williams.

GREENEVILLE—5 Jan.; 08:00 to 18:00; clear; temp. 22° to 45°; wind, 0-6 mph.

O. C. Armitage, B. Barnes, Mrs. Collins, Mrs. Charles Earnest, Mr. and Mrs. William Fischer, Mr. and Mrs. King Gaut, S. B. McGuire, Richard Nevius (compiler—Route 6, Greeneville 37743), Helen Reed, Dr. and Mrs. Royal B. Spees.

KINGSPORT—28 Dec.; 07:30 to 21:00; overcast to partly cloudy, intermittent rain; temp. 42° to 46°; wind N, 0-25 mph; 14 observers in 12 parties; 54 party-hours (40 on foot, 11 by car, 2 in motorboat, 1 in canoe) plus 2 observers at feeders for a total of 6 hours; 142 party-miles (42 on foot, 80 by car, 20 by boat).

Green Herons were seen by Eugene Scott and Tom Gannaway in different localities.

Roy Allen, Tom Bowman (compiler—Bays Mt. Park Nature Interpretive Center, Route 4, Kingsport 37660), Perry Cleveland, David Coat, Charlotte Finucane, Dick Finucane, Tom Finucane, Tom Gannaway, Ed Gift, Hayden Hannabass, Jeff Lappin, Betsy Oglesby, John Peirce, John Peirce, Jr., Eugene Scott, Ann Switzer.

ELIZABETHTON—14 Dec.; 06:30 to 17:30; clear to partly cloudy; temp. 34° to 51°; no wind; 15 observers in 7 parties; 66 party-hours (43 on foot, 23 by car); 337 party-miles (30 on foot, 307 by car).

J. C. Browning, Joy Dillenbeck, Martha Dillenbeck, Mrs. George Dove, Glen D. Eller (compiler—Route 3, Grandview Terrace, Elizabethton 37643), Harry Farthing, Sally Goodin, Lee R. Herndon, Richard Lewis, John Martin, Jake Slonaker, Alan Smith, Maxie and Tommy Swindell, Gary O. Wallace.

BRISTOL—28 Dec.; temp. 41° to 54°; rainy to partly cloudy; 13 observers in 5 parties and 1 feeder observer.

F. Rockwell Bingham (compiler—216 Melody Lane, Bristol 37620).

ROAN MOUNTAIN—24 Dec.; 07:00 to 16:00; cloudy, fog; temp. 41° to 57°; wind SSW, 5-35 mph; snow, trace to 8 inches; 7 observers in 3 parties; 20 party-hours (12 on foot, 8 by car); 78 party-miles (16 on foot, 62 by car).

Glen D. Eller (compiler—Route 3, Grandview Terrace, Elizabethton 37643), John W. Gray, Bob Herndon, Lee R. Herndon, Alan Smith, Maxie and Tommy Swindell. Sharp-shinned Hawk (1), Cooper's Hawk (1), Hairy Woodpecker (2), Downy Woodpecker (9), Eastern Phoebe (1), Blue Jay (6), Common Raven (5), Common Crow (25), Carolina Chickadee (29), Tufted Titmouse (15), White-breasted Nuthatch (10), Red-breasted Nuthatch (46), Carolina Wren (8), Robin (7), Eastern Bluebird (2), Golden-crowned Kinglet (4), Ruby-crowned Kinglet (1), House Sparrow (12), Cardinal (5), Evening Grosbeak (91), Purple Finch (3), Pine Siskin (56), American Goldfinch (27), Rufous-sided Towhee (1), Dark-eyed Junco (71), Field Sparrow (16), White-throated Sparrow (6), Song Sparrow (18). Total 28 species.

BIRDS OF THE NASHVILLE AREA

Third Edition, 1975

Compiled originally by Henry E. Palmer

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A NEW SPECIES FOR TENNESSEE

YELLOW-HEADED BLACKBIRD IN MEMPHIS—A male Yellow-headed Blackbird (*Xanthocephalus xanthocephalus*) appeared at a feeder in eastern Memphis on 10 March 1975, remaining thru 3 May 1975. Mrs. Alice Sims (at 3572 Northwood Dr.) advised member Genevieve Geren of the bird on 30 March and the latter, on seeing the bird, at once notified other members. Identification was further verified the next morning by Lula and Ben Coffey, Helen and Henry Dinkelspiel. Thru the kindness of Mrs. Sims, many members from Memphis and points East, were free to observe the bird at any time. She reported that it arrived early and remained late, each day, indicating that it roosted at no great distance. It was last seen, all day, 3 May. A watch was kept for it, 4 and 5 May and later. Apparently, this is the first corroborated report of this species for Tennessee.

BEN B. COFFEY, JR., 672 N. Belvedere, Memphis 38107.

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BOOK REVIEW

BEHAVIOR AS AN ECOLOGICAL FACTOR. Edited by David E. Davis. Dowden, Hutchinson & Ross, Inc., Stroudsburg, Pa., 1974. 390 pp. \$24.00.—This book is part of the Benchmark Books Publishing Program. It consists of a collection of 27 papers which have significantly influenced the direction of the study of animal behavior as it relates to the environment. The papers in the book consist of both classic and recent papers representing the important developments within the field of animal behavior as an ecological factor. Through the arrangement of the papers the development of this subject is traced from the time of narrow focus on the organism to the point where the whole population's behavior is treated as a unit with other ecological factors. Although other organisms are considered, the emphasis is on birds.

The papers have been arranged in five sections: Behavioral Adjustments to Habitat, Reproductive Behavior, Social Behavior, Behavior of Populations, and Applied Behavior. The readings show that behavior as an ecological factor is very complex. This book will be a valuable addition to the library of people working in such fields as animal behavior, biology, ecology, ornithology, and wildlife management.

GARY O. WALLACE

ROUND TABLE NOTES

APPARENT DOUBLE NESTING OF THE AMERICAN KESTREL—In the 27 May, 1973 issue of the Chattanooga News-Free Press, a picture and story featured the fledging of three American Kestrels (*Falco sparverius*) from a hole between the 8th and 9th floor in the all glass and concrete Blue Cross-Blue Shield Building, downtown Chattanooga. These birds had drifted to the street below and were picked up by passersby. In the wild the young hawks, upon fledging are capable of flying to a nearby perch. In this situation there were no perches nearby, only heavy automotive traffic and numerous pedestrians.

This was the first positive evidence of the American Kestrel nesting in the Chattanooga area other than a female specimen taken on Lookout Mountain 31 March, 1882. This bird had one egg ready to be laid (Wetmore, Alexander, 1939. *Notes on the Birds of Tennessee*. Proceedings of the United States National Museum (Washington) Vol. 86, No. 3050:183.)

A great deal of time and effort has been spent in verifying the nesting of this species in the Chattanooga area and all of it appears to be negative with only an occasional bird being found in the nesting season.

On 3 August a telephone call was received that there were three more young a few days old (eyes not yet open), in the same nest hole. The birds were allowed to fledge.

Although the adults were not color marked, this appears to be very strong circumstantial evidence of a double nesting of a pair of American Kestrels. A possible stimulus for the above described behavior could be the sudden loss of the young when they fledged. It is a well known fact that when a nest is destroyed or otherwise disrupted early in the reproductive cycle, the pair will attempt to re-nest. Perhaps this is what happened with these birds, but at a much later period in their cycle.

Oliver Irwin (*The Migrant*, Vol. 30:39) reported a similar experience with a pair in a dead tree at Memphis.

KENNETH AND LILLIAN H. DUBKE, Route 1, Box 134-D, Ooltewah 37363.

PIPING PLOVER SEEN IN COCKE COUNTY—While searching for shorebirds and herons at the confluence of the French Broad and Nolichucky Rivers, Cocke County, on 1 September 1974 one Piping Plover (*Charadrius melodus*) was found at 16:00 EDT by Tony Koella. The bird was feeding among 6 Semipalmated Plovers (*Charadrius semipalmatus*) and several sandpipers which aided identification because of the comparative overall whiteness of the bird. The bird was in summer plumage with the single chest bar and the single black mark on the forehead to the eye. The bill was light colored with a black tip and the legs were light colored which marks would distinguish the bird from a Snowy Plover (*Charadrius alexandrinus*) which is a strictly local breeding bird on the Gulf of Mexico Coast. The whiteness in the back and

the distinctively different facial features between the Piping and Semipalmated Plover were quite evident.

I observed the bird first through 10 x 15 binoculars and then followed up by observing the bird through a Bausch and Lomb 30 X scope. I observed the bird about 150 feet away in excellent lighting as I was west of the bird facing east with the sun behind me. The weather was in the 70's and clear skies.

At the confluence of the two rivers, I also observed besides the plovers, 4 Solitary Sandpipers (*Tringa solitaria*), 3 Lesser Yellowlegs (*Tringa flavipes*), 5 Short-billed Dowitchers (*Limnodromus griseus*), 1 White-rumped Sandpiper (*Calidris fuscicollis*), 10 Least Sandpipers (*Calidris minutilla*), 90 Semipalmated Sandpipers (*Calidris pusillus*), and 4 Pectoral Sandpipers (*Calidris melanotos*). After leaving the confluence of the French Broad and Nolichucky, I went approximately 2 miles on down the river to Douglas Lake where I spotted another Piping Plover also in summer plumage but by himself except for some Killdeers (*Charadrius vociferus*). It physically could be only one bird as it would have had time to fly the two miles down stream, but I would think that it would have stayed with the group described above instead of striking out on its own. Also on Douglas Lake, there were 28 Black Terns (*Cblidonia niger*).

The observer has had previous experience with all of the above mentioned plovers as well as the Wilson's Plover (*Cbaradrius wilsonia*) on the gulf and Atlantic Coasts.

There have been at least 12 previous records of the Piping Plover in Tennessee. The first record was sighted by Ben B. Coffey, Jr. on 5 May 1935 South of Memphis (*The Migrant*, 1935, 6:35). The next record did not occur until the 1950's during which decade there were 3 or 4 sightings in the state. There were none during the 1960's but there have been 9 sightings (including mine) during the 1970's. Mike Bierley of Nashville was kind enough to search back issues of *The Migrant* to get a count of sightings for which I am most grateful.

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Daniel R. Jacobson, Box 6, Wildwood, GA 30757, has replaced Charles P. Nicholson as the regional compiler of the season report for the Eastern Ridge and Valley Region. He will begin with the Spring Migration Season Report (16 Mar - 15 May), which will appear in the Sept., 1975 issue of *The Migrant*. Support Daniel by reporting your records to him. Our thanks to Chuck for his work with the T.O.S. He will be attending the University of Maine.

THE SEASON

FRED J. ALSOP, III, *Editor*

FALL MIGRATION: 1 AUGUST - 31 OCTOBER

Shorebirds perhaps are the most outstanding feature of this fall migration report. They are not only indicated in good numbers in the regions across the state but several species which have been of uncommon occurrence in Tennessee are being reported with greater regularity, possibly reflecting a more active watch in shorebird habitat at the proper seasons by the State's birders than an increased presence of the species. Ruddy Turnstones are again reported from the Western Coastal Plain where an American Avocet was also found. Sandrelings were observed in the Western Coastal Plain and in the Eastern Ridge and Valley Regions. Wilson's Phalaropes and Baird's Sandpipers were seen in both the Central Plateau and Basin and the Eastern Ridge and Valley Regions, and a flock of 30 Willets was only one of five reports of this species from the latter region.

Other water associated birds were some of the more noteworthy species reported this Fall. A Louisiana Heron was found in the Western Coastal Plain. A Brant was observed by many birders in late October at Hiwassee Island, and a White Ibis and a Snowy Egret were also reported from the Eastern Ridge and Valley.

Raptorial species were represented by many observations including those of a Golden Eagle and a Peregrine Falcon in the Eastern Ridge and Valley, and a Rough-legged Hawk and a Merlin (Pigeon Hawk) in the Central Plateau and Basin Regions. Several Yellow-bellied Flycatchers were reported and some were banded in the Central Plateau and Basin. In the Eastern Mountain Region a very late Black-billed Cuckoo was observed in early November (three days after this reporting period ended).

These are but a few of the many observations reported this Fall Migration season. The Regional Compilers continue to request your observations, especially from those birders in the Eastern Mountain Region and the Western Coastal Plain Region. Send us your records so we may have the fullest picture possible of the seasonal status of the birds of Tennessee.

WESTERN COASTAL PLAIN REGION—*Heron-Tern*: LOUISIANA HERON: 27 Aug. (1) DRU (JL). Black-crowned Night Heron: 5 Sept. (5) DRU (JL), 7 Sept. (4) DRU (MCTOS). Turkey Vulture: 3 Oct. (15) M

(BM). Sora: 5 Sept. (1) DRU (JL). *RUDDY TURNSTONE*: 3 Aug. (1) Island 13, Lake Co. (MLB, GJ). Common Snipe: 19 Oct. (1) HWR (JL). Upland Sandpiper: 7 Sept. (1) DRU (JL). Short-billed Dowitcher: 4 Aug. (1) Island 13, Lake Co. (MLB, GJ). Sanderling: 3 Aug. - 4 Aug. (3) Island 13, Lake Co. (MLB, GJ). *AMERICAN AVOCKET*: 14 Sept. (2) Medal of Honor Lake, South of Memphis within Shelby Co. Third record for Shelby Co. (NS, MD, ER, BG, TW, MW). Forester's Tern: 3 Aug. (1) Lake Co. (MLB, GJ). Black Tern: 3 Aug. and 27 Aug. (1-3) DRU (JL).

Cuckoo-Sparrow: Yellow-billed Cuckoo: 18 Oct. (1) M (TC). Common Nighthawk: 12 Oct. (8-10) M (ANS, HHD, MD), 16 Oct. (50) Olive Branch, MS, Approx. 5 miles south of M (BS). Red-bellied Woodpecker: 12 Oct. (1 imm.) M (MD). Yellow-bellied Sapsucker: 29 Sept. (1) M (TC). Olive-sided Flycatcher: 13 Sept. (1) HWR (JL). White-breasted Nuthatch: 31 Oct. (2) T. O. Fuller (BM). Red-breasted Nuthatch: 31 Oct. (4) T. O. Fuller (BM). Brown Creeper: 4 Oct. (1) M (HD, MW). Winter Wren: 14 Oct. (1) M (HD). Golden-crowned Kinglet: 8 Oct. (1) M (TC). Solitary Vireo: 26 Oct. (1) M (HD). Yellow-rumped (Myrtle) Warbler: 2 Oct. (1) M (TC). Black-throated Green Warbler: 26 Oct. (1) M (TC). Blackburnian Warbler: 25 Oct. (1) M (TC). Ovenbird: 14 Oct. (1) M (HD, TC). Orchard Oriole: 26 Sept. (1) M (TC). Scarlet Tanager: 12 Oct. (1) M (TC). Summer Tanager: 19 Oct. (1) M (HD), 22 Oct. (1) M (TC) 31 Oct. (2) T. O. Fuller (BM). Rose-breasted Grosbeak: 16 Oct. (1) M (TC). Dark-eyed Junco: 19 Oct. (2) HWR (MCTOS). Swamp Sparrow: 19 Oct. (1) HWR (JL). Song Sparrow: 19 Oct. (1) HWR (JL).

Locations: DRU—Duck River Refuge, Tennessee National Wildlife Refuge, Hutsburg, TN. M—Memphis. HWR—Hatchie Wildlife Refuge. T. O. Fuller—T. O. Fuller State Park, Southeast Shelby Co.

Observers: MCTOS—Memphis Chapter, TOS. JL—Jerald Ledbetter. MLB—Mike L. Bierly. GJ—Greg Jackson. ANS—Arlo and Noreen Smith, NS—Noreen Smith. HHD—Henry and Helen Dinkelspiel, HD—Helen Dinkelspiel. MD—Mary Davant. ER—Ernie Restivo. BG—Billy Grimm. TW—Ted Wilson. MW—Martha Waldron. TC—Tiny Carpenter. BM—Bob McGowan. BS—Bill Sparenberger.

MARTHA WALDRON, 1626 Yorkshire Drive, Memphis 38117.

CENTRAL PLATEAU AND BASIN REGION—Loon-Rail: Common Loon: 2 Sept. (1, early) PPL (MLM). Horned Grebe: 20 Oct. (3) OHL (BF, SF). *DOUBLE-CRESTED CORMORANT*: 6 Oct. (2) GSP (DC, PC); 6 Oct. (1) OHL (BF, SF). Great Blue Heron: 29 Oct. (19) GSP (DC, PC). Little Blue Heron: 10 and 11 Aug. (4, imm.) G (DC, PC). Great Egret: 29 Sept. (1) GSP (MPS); 1 Oct. (20) PPL (Anne and Bob Hettish). American Bittern: 29 Sept. (1) BV (MLB). Snow Goose: 8 Oct. (2) OHL (Wick Comer). Black Duck: 1 Sept. (1, early) GSP (DC, PC). Green-winged Teal: 22 Sept. (1) BV (MLB). Redhead: 23 Oct. (3) RL (MLB). Ruddy Duck: 21 Oct. (1) RL (MLB). Common Merganser: 26 Oct. (8) OHL (BF, SF). Red-breasted Merganser: 29 Sept. (1, early) PPL (BF, SF). Sharp-shinned Hawk: 28 Sept. (2) OHL (MPS); 29 Sept. (2) BV (MLB); 9 Oct. (1) G

(DC, PC). Cooper's Hawk: 28 Sept. (1) F (JOE); 6 Oct. (1) GSP (DC, PC). Broad-winged Hawk: 28 and 29 Sept. (70, Nash. fall count). *ROUGH-LEGGED HAWK*: 13 Oct. (1) BS (KAG, Mel Garland). Osprey: 1 Sept.-13 Oct. (at least 7 sightings of single birds, NA). *MERLIN*: 28 Aug. (1) N (HR). Virginia Rail: 17 Sept. (1, casualty, WSM Tower) (KAG); 19 and 20 Sept. (1) FP (MDW). Sora: 5 Aug. (1) BV (MLB); 14 and 22 Sept. (1, casualty, WNGE Tower) (MLB).

Killdeer-Nuthatch: Killdeer: 27 Oct. (118) GSP (PC). *UPLAND SANDPIPER*: 31 Aug. (1, last) Nash. Metro Airport (MLB). Solitary Sandpiper: 16 Oct. (3) LHL (LC). Greater Yellowlegs: 16 Oct. (3) LHL (LC); 25 Oct.-27 Oct. (1) GSP (PC). *BAIRD'S SANDPIPER*: 19 Sept. (1) GSP (PC). Dunlin: 29 Oct. (4) and 30 Oct. (8) GSP (DC, PC). Dowitcher (sp?): 21 Aug. (1) BV (Tony Koella). Stilt Sandpiper: 22 Sept.-29 Sept. (1) BV (MLB). Sanderling: 18 and 19 Sept. (1) GSP (PC); 23 Sept.-30 Sept. (up to 4) OHL (BF, SF). *WILSON'S PHALAROPE*: 10 Aug. (1) G (DC, PC). Bonaparte's Gull: 26 Oct. (2) OHL (BF, SF). Forster's Tern: 21 Sept. (2) OHL (BF, SF); 21 Sept. (1) GSP (PC). Caspian Tern: 14 Sept. (7) PPL (MLB, MPS); 14 Sept. (2) OHL (BF, SF). Black Tern: 1 Sept. (100) OHL (MLM). Yellow-billed Cuckoo: 20 Oct. (2 fresh road-kills, 1 Lawrence Co. and 1 Wilson Co.) (MDW). Black-billed Cuckoo: 6 Aug. (1) N (HR); 6 Oct. (1) G (PC); 10 Oct. (1) LC (LC). Common Nighthawk: 31 Aug. (231) N (JR). Eastern Kingbird: 13 Oct. (1, late) LC (LC). *YELLOW-BELLIED FLYCATCHER*: 7 and 15 Sept. (1) BS (KAG). 7 and 28 Sept. (1, banded) 2JS (HR, JR). Traill's Flycatcher (sp?): 25 Aug. (1, banded) and 14 Sept. (4, banded) 2JS (HR, JR). Least Flycatcher: 14 Sept. (3, banded) and 28 Sept. (2, banded) 2JS (HR, JR). Horned Lark: 14 Sept. (60) FP (MDW). Red-breasted Nuthatch: 1 Oct. (1) LC (Helen Clayton).

Wrens-Sparrows: House Wren: 20 Sept. (1) FP (MDW). Bewick's Wren: 24 Aug. (1 banded, repeated 5 Oct.) 2JS (HR, JR). Long-billed Marsh Wren: 28 and 29 Sept. (1 each day, fall count, NTOS). Short-billed Marsh Wren: 28 Sept. (2) and 29 Sept. (1), fall count (NTOS). Gray-cheeked Thrush: 19 Oct. (1, banded, late) 2JS (HR, JR). Veery: 14 Sept. (1) Ashland City Marsh (JH, RM); 16 Sept. (1) RL (MLB, MDW). Ruby-crowned Kinglet: 9 Sept. (1, early) NA (MLM); 26 Sept.-8 Nov. (75, banded) N (KAG). Water Pipit: 10 Oct. (10) OHL Laurence Trabue; 30 Oct. (3) GSP (DC, PC). Yellow-throated Vireo: 26 Oct. (1, late) NA (BF, SF). *PHILADELPHIA VIREO*: 12 Sept. (1, early) FP (MDW). Orange-crowned Warbler: 4 Oct. (2, banded) 2JS (HR, JR). 21 Oct. (1) NA (KAG). Black-throated Blue Warbler: 29 Sept. (1) F (JOE). Blackpoll Warbler: 16 Oct. (1, casualty, WSM Tower) late (KAG). Mourning Warbler: 12 Sept. (2, banded) 2JS (HR, JR); 14 Sept. (1) G (DC); 20 Oct. (1, road-kill, dead several days) Maury Co. (MDW). Bobolink: 14 Sept. (220) Cheatham Lake (JH, RM). Grasshopper Sparrow: 23 Aug. (9) Springfield (JH). Lincoln's Sparrow: 4 Oct. (2, banded) 2JS (HR, JR).

Locations: BS—Basin Springs, BV—Buena Vista, F—Fernvale, FP—Five Points (Lawrence Co.), G—Gallatin, GSP—Gallatin Steam Plant, LC—Lawrence Co., LHL—Laurel Hill Lake, N—Nashville, NA—Nashville Area,

OHL—Old Hickory Lake, PPL—Percy Priest Lake, RL—Radnor Lake, 2JS—Two Jays Sanctuary.

Observers: MLB—Mike Bierly, LC—Lloyd Clayton, DC—Dot Crawford, PC—Paul Crawford (Compiler, Nashville Area), JOE—John Ellis, BF—Bill Fintel, SF—Sally Fintel, KAG—Katherine Goodpasture, JH—James Holt, MLM—Margaret Mann, RM—Rocky Milburn, HR—Heather Riggins, JR—John Riggins, MPS—Pat Stallings, NTOS—Nash. T.O.S. Chapter, MDW—Morris Williams.

MORRIS D. WILLIAMS, Five Points 38457.

EASTERN RIDGE AND VALLEY REGION—The weather for the period was average, except for earlier than usual frosts in October.

The shorebird migration was very good in the Chattanooga and Upper East Tenn. areas. Several Willets were recorded; other unusual species were Stilt Sandpipers, a Baird's Sandpiper, Western Sandpipers, and a Wilson's Phalarope. Due to a lack of suitable habitat (and of observers?) there were few shorebirds reported from the Knoxville area.

One of the most unusual birds reported was a Brant, at Hiwassee Island in late October. Also reported were a White-fronted Goose and both color morphs of the Snow Goose.

A large *tower kill* occurred in Knox County on September 14. Over 1500 individuals, comprising 47 species, were gathered by Fred Alsop and Chester Massey. Included in the kill were 247 Red-eye Vireos, 1 Philadelphia Vireo, 122 Kentucky Warblers, and 115 Veeries.

The Knoxville Chapters' fall count, held on September 29, listed 116 species.

Loon-Ibis: Common Loon: first 5 Oct. (1) BL (JD, MD). Horned Grebe: 19 Oct. (7) NL (DRJ). *DOUBLE-CRESTED CORMORANT:* 26 Oct. (3) HRA (JND, LD); 29 Oct. (1) HRA (KLD). Green Heron: 15 and 24 Oct. (1) SB (KLD); 20 Oct. (1) Warrior Path State Park (DJL). Little Blue Heron: 6 Aug. (1) HRA (DRJ); 30 Aug. (1) HRA (KLD); 21 Oct. (2) HRA (KLD). Great Egret: 4-24 Aug. (2) SeV (LSF); 11-21 Sept. (1) AS (ETOS); 1-12 occasional at HRA thru 16 Oct. (KLD, DRJ). *SNOWY EGRET:* 20-31 Aug. (1) HRA (KLD, DRJ, LMJ). Black-cr. Night Heron: 11 Aug. - 4 Oct. (3-5 imm., 2 ad.) AS (ETOS); 11 Aug. (1 imm.) CC (JMC, JCH); 31 Aug. (2) SB (KLD). Yellow-cr. Night Heron: 31 Aug. (2) SB (LD); 18 Sept. (1 imm.), 5 Oct. (1 imm.) AS (MD, SG). Least Bittern: 3 Sept. (1) SB (KD). American Bittern: 3 Sept. (1) SB (KD). *WHITE IBIS:* 29 Aug. (1 imm.). ALM (MDW); 30 Aug. (1) HRA (KLD).

Goose-Hawk: Canada Goose: first 24 Sept. (18) HRA (KLD); 30 Oct. (5) AS (MD, SG). *AMERICAN BRANT:* 29 Oct. to end of period (1) HRA (KLD, et al). Snow Goose: 29 Oct. to end of period (1) HRA (KLD). Blue (morph) Goose: 30 Sept. (3) HRA (KLD); 29 Oct. (20) HRA (KLD). Pintail: first 24 Sept. (3) HRA (KLD). Green-winged Teal: 15 Sept. (2) CC (JMC, JCH). Blue-winged Teal: 31 Aug. (300) SB (KLD). Wood Duck: max 450 HRA (KLD, DRJ). Redhead: 28 Oct. (4) BWP (KLD). Lesser

Scaup: 28 Oct. (11) BWP (KLD). Black Vulture: 6 Aug. (2 young about grown banded). Grindstone Mtn. (Carl Swafford). Sharp-shinned Hawk: 29 Sept. (9) K (KTOS); 12 Oct. (3) Harriman (CPN). Cooper's Hawk: 29 Sept. (1) K (KTOS); 5 Oct. (1) Erwin (HD). *GOLDEN EAGLE*: 26 Oct. (1 ad.) HRA (JND, LD). Marsh Hawk: 29 Sept. (1) K (KTOS); 5 Oct. (1) Erwin (GE, HF). Osprey: 1 Sept. (1) CC (JMC, JCH); 15 Sept. (1) AS (GE, HF); 29 Sept. (4) K (KTOS); 5 Oct. (1) AS (MD, JD, SG). *PEREGRINE FALCON*: 21 Sept. (1) K (JMC, GE). Sparrow Hawk (American Kestrel): 29 Sept. (22—high count) K (KTOS).

Rail-Tern: King Rail: 9 Sept. (1) HRA (DRJ). Virginia Rail: 3 Sept. (1) SB (KD); 29 Sept. (1) AS (GE, LRH). Sora: 5 Oct. (1) Blountville (JD, MD); 10 Oct. (1) AM (KD). Semipalmated Plover: 24 Aug. - 21 Sept. (1) AS (ETOS); 6 Aug. (2) HRA (KLD, DRJ); 16 and 30 Aug. (1) HRA (KLD). American Golden Plover: 16 Oct. (1) SB (KD). Black-bellied Plover: 30 Aug. (2) SB (LD). Common Snipe: first 3 Sept. (1) SB (KLD); 15 Sept. (1) AS (GE). Spotted Sandpiper: 11 Aug. (1) CC (JMC, JCH, JH); 1-3 reg. thru 20 Sept. at SB (KLD); 29 Sept. (2) K (KTOS). Solitary Sandpiper: thru 20 Aug. (1-2) SB (KLD); 29 Sept. (1) K (KTOS). *WILLET*: 3 Aug. (30) SB (KLD); 3 Aug. (6) SeV (LSF); 11 Aug. (1) CC (JMC, JCH, JH); 11 Aug. (1) AS (GE, HF)—only 2nd upper E. T. record, last in 1968; 17 Aug. (1) WW (DRJ). Greater Yellowlegs: 1-3 reg. thru period, max. 16 Oct. (15) at HRA (KLD); 25 Aug. (1) CC (JMC, JCH, JH). Lesser Yellowlegs: 1-4 reg. thru 21 Oct. at HRA, SB (KLD); 25 Aug. (2) CC (JMC, JCH, JH); 24 Oct. (1) AS (DJL). Pectoral Sandpiper: reg. thru 26 Oct. at HRA, SB (KLD, DRJ) Least Sandpiper: 1-26 reg. from 3 Aug. thru period at SB and HRA (KLD, DRJ); 11 Aug. (1), 25 Aug. (2) CC (JMC, JCH, JH). Dunlin: first 30 Sept. (35) HRA (KLD); 17 Oct. (14) AS (GE, LRH). Short-billed Dowitcher: (by call note) 25-31 Aug. (1) SB (KLD); 18 Aug. (2) HRA (KLD). Stilt Sandpiper: 29 Aug. (1) HRA (KLD, DRJ); 29 Sept. (1) K (Bill Williams). Semipalmated Sandpiper: 3 Aug. (6) SB (KLD); 8 Aug. (4), 22 Aug. (5) SB (KLD); 25 Aug. (1) CC (JMC, JCH, JH); 16 Sept. (8) HRA (KLD). *BAIRD'S SANDPIPER*: 22 Sept. (1) CC (JMC, JCH, J. Nieme). Western Sandpiper: 2-3 irreg. at AS from 2 Aug. - 14 Oct. (ETOS); 22 Aug. (2) SB (LD); 30 Aug. (1) HRA (KLD). *SANDERLING*: 19 Aug. - 23 Aug. (1) AS (ETOS); 30 Aug. (2) HRA (KLD). *WILSON'S PHALAROPE*: 11 Sept. (1) SB (KLD, et al). Ring-billed Gull: first 21 Oct. (1) HRA (KLD). Bonaparte's Gull: 13 Oct. (1) BL (DJL). Forster's Tern: 8 Aug. (1) HRA (DRJ, LMJ); 28 Aug. (5), 3 Sept. (2) NL (DRJ); 29 Sept. (1) K (Jim Tanner); 3 Oct. (3), 6 Oct. (1) SB (KLD); 14 Oct. (4) HRA (KLD). Common Tern: 1 Sept. (3), 15 Sept. (2) NL (LSF); 16 Sept. (3) HRA (KLD). Least Tern: 29 Sept. (1) K (Terry McGowan). Black Tern: 1-22 reg. to 5 Sept. at HRA, SB, NL (KLD, LSF, DRJ); 3 Sept. (52) NL (DRJ).

Owl-Pipit: Barn Owl: 20 Aug. (1) AM (DRJ). Common Nighthawk: 13 Sept. (migratory flock of 125+) K (CPN); 15 Sept. (709) Da (LSF), 11 Oct. (2) K (JGH). Chimney Swift: 14 Oct. (200 Chatt. (KLD) Red-headed Woodpecker: 22 Sept. (2) CC (JMC, JCH, J. Nieme); 29 Sept. (2) K (CPN, MDW); 14 Oct. (1) K (WKJ, CPN). *Eastern Kingbird*: 70-80 at

roost, to 2 Sept. at SB (KLD). Wood Pewee: last 20 Oct. (1) JC (SG). Tree Swallow: 25 Oct. (1) LM (GLB). Barn Swallow: last 12 Oct. (1) SB (KLD). *Blue Jay: heavy migration noted on: 29 Sept. (240), 30 Sept. (225), 1 Oct. (200), 2 Oct. (6) all Missionary Ridge, Chat. (AG). Red-breasted Nuthatch: 10 Oct. (1) Collegedale (LS); 13 and 14 Oct. (1-3) Hamilton Co. Park (JND); 28 Oct. (6) BWP (KLD). Winter Wren: first 5 Oct. (1) HM (MDW). Long-billed Marsh Wren: 29 Sept. (1) K (CPN, MDW). Water Pipit: 12 Oct. (2) SB (LD, TF, DRJ); 29 Oct. (50) HRA (KLD).*

Vireo-Sparrow: Solitary Vireo: 17 Oct. (1) K (JGH). PHILADELPHIA VIREO: 22 Sept. (1) CC (JMC, JCH); 26 Sept. - 5 Oct. (1) JC (SG); 5 Oct. (3) HM (MDW). Orange-crowned Warbler: 29 Sept. (1) K (KTOS); 2 Oct. (1) JC (MD); 5 Oct. - 28 Oct. (1-2) K (JGH). Blackpoll Warbler: 14-18 Oct. (1-2) K (JGH). Louisiana Waterthrush: 5 Oct. (1) Er (HF). Wilson's Warbler: 29 Sept. (1) K (CPN, MDW). Bobolink: 29 Sept. (29) K (KTOS); 8 Oct. (8) K (WKJ, CPN). Orchard Oriole: last 10 Sept. (3) Hixson (JND). Scarlet Tanager: last 17 Oct. (1) K (JGH). Rose-breasted Grosbeak: 27 Oct. (1) BL (MD, SG). Blue Grosbeak: 8 Oct. (3) K (CPN). Purple Finch: first 26 Oct. (4) WW (DRJ). Vesper Sparrow: 19 Oct. (4) NL (DRJ). White-crowned Sparrow: first 17 Oct. (12) AS (GE, LRH). White-throated Sparrow: 29 Sept. (1) K (KTOS). Lincoln's Sparrow: 29 Oct. (1) HRA (KLD).

Locations: ALM—Alcoa Marsh; AM—Amnicola Marsh; AS—Austin Springs; BL—Boone Lake; BWP—Booker T. Washington State Park; CC—Campbell Co.; Chat—Chattanooga area; DA—Daus; Er—Erwin; HRA—Hiwassee River Area; HM—House Mtn.; K—Knoxville area; JC—Johnson City; LM—Lookout Mtn., Ga.; NL—Nickajack Lake; SB—Savannah Bay; SeV—Sequatchie Valley; WW—Wildwood, Ga.

Observers: GLB—Gary L. Bayne; JMC—James M. Campbell; JND—Jon and Nancy DeVore; JD—Joy Dillenbeck; MD—Martha Dillenbeck; HD—Helenhill Dove; KD—Ken Dubke; LD—Lil Dubke; KLD—Ken and Lil Dubke; GE—Glen Eller; ETOS—Elizabethton Chapter, TOS; HF—Harry Farthing; AG—Ann Gibson; SG—Sally Goodin; LRH—Lee R. Herndon; JGH—James G. Holt; JCH—J. C. Howell; JH—J. Hubbard; DRJ—Daniel R. Jacobson; LMJ—Lemuel M. Jacobson; WKJ—Wesley K. James; KTOS—Knoxville Chapter, TOS; DJL—Dick and Joyce Lura; CPN—Charles P. Nicholson; LSF—Lee Shafer family; MDW—Morris D. Williams.

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EASTERN MOUNTAIN REGION—The overall weather for the period could best be described as mild and dry. August and September were near normal in all aspects. October was the driest on record since 1968 with only 2.6 inches of rainfall recorded. We had two very early "killing" frosts on 2 and 3 Oct. These frosts were almost two weeks earlier than usual. Several late stragglers were reported and most of the waterfowl were a few days early, due mostly to the earlier than last year's colder weather here and to the north of us.

Loon-Hawk: Common Loon: 27 Oct. (2) WatL (GE); Green Heron: last seen 5 Oct. (1) RC (LRH); Yellow-crowned Night Heron: 16 and 24 Aug.

(1) WatR (GE, MD); Black Duck: 19 Oct. (8) WibL (GE) first return; Green-winged Teal: 6 Oct. (4) WibL (HF) and 19 thru 27 Oct. (1-2) WibL (GW); Blue-winged Teal: 10 Sept. (3) WatR (LRH) first return; American Wigeon: 19 Oct. (2) WibL (GE) first return; Ring-necked Duck: 5 Oct. (5) WatL (GW, DJL) first return; Bufflehead: 20 Oct. (1) WibL (GW) first return; Black Vulture: 22 Sept. (2) HM (GE, FWB); Cooper's Hawk: 15 Sept. (2) IMG (SG); 22 Sept. (1) HM (GE, FWB); 6 Oct. (5) RM (TMS); Broad-winged Hawk: 18 Sept. (500) and 22 Sept. (600) HM (FWB, GE); Marsh Hawk: 5 Oct. (1) RC (Lois Herndon).

Snipe-Swallow: Common Snipe: 11 Oct. (1) WatR (GE) first return; Least Sandpiper: 7 Sept. (2) RC (GW, GE); Semipalmated Sandpiper: 7 Sept. (4) RC (GW, GE); Ring-billed Gull: 28 Sept. (1) WatL (GW) first return; Forester's Tern: 13 Sept. (1) RC (LRH) and 29 Sept. (1) WatL (GW); *BLACK-BILLED CUCKOO*: 3 Nov. (1) very late IMG (SG); Great Horned Owl: 26 Aug. (1) HM (FWB) and 12 Oct. (1) HC (TMS); Barred Owl: 22 Sept. (1) HM (FWB) and 5 Oct. (2) HM (GW); Common Nighthawk: 6 Oct. (2) Eliz. (HF) last seen; Chimney Swift: 10 Oct. (3) Eliz. (GE) last seen; Tree Swallow: 22 Sept. (2) HM (GE, FWB); Bank Swallow: 3 Aug. (3) WatR (GW); Cliff Swallow: 15 Aug. (75-100) SV (LRH, GE).

Nuthatch-Sparrow: Red-breasted Nuthatch: all thru period (15-25) very plentiful on RM (FWB); Brown Creeper: 5 Oct. (1) RC (LRH) and 20 Oct. (2) HC (TMS); Long-billed Marsh Wren: 7 Oct. (1 banded) Eliz. (LRH); Water Pipit: 5 Oct. (1) RM (FWB); Solitary Vireo: 21 Oct. (1) RM (FWB) last seen; Swainson's Warbler: 25 Aug. (1) HM (SG); Orange-crowned Warbler: 18 Sept. (1) HC (TMS); Purple Finch: 5 Oct. (3) RC (LRH) first return; Savannah Sparrow: 19 Sept. (12) SV (GW); Grasshopper Sparrow: 5 Oct. (1) late SV (GW, DJL); White-crowned Sparrow: 9 Oct. (2) Eliz. (LRH); White-throated Sparrow: 5 Oct. (2) SV (GW) first return; Lincoln's Sparrow: 5 Oct. (7) WatL (LRH).

Locations: Eliz.—Elizabethton area, HC—Heaton Creek (RM), HM—Holston Mountain, IMG—Iron Mountain Gap near Erwin, RC—Roans Creek, RM—Roan Mountain, SV—Siam Valley near Eliz., WatL—Watauga Lake; WatR—Watauga River, WibL—Wilbur Lake.

Observers: FWB—Fred Behrend; MD—Martha Dillenbeck; GE—Glen Eller; HF—Harry Farthing; SG—Sally Goodin; LRH—Lee Herndon; DJL—Dick and Joyce Lura; TMS—Tommy and Maxie Swindell and GW—Gary Wallace.

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