

# THE MIGRANT

A QUARTERLY JOURNAL  
DEVOTED TO TENNESSEE BIRDS

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## NESTING OF BLUEBIRDS AT ASHLAND CITY

BY AMELIA R. LASKEY AND MARTHA F. HERBERT

In 1968, the 60 nest boxes in the Neptune Community of Ashland City were checked weekly from 21 March through 28 August, when the final two broods of Eastern Bluebirds (*Sialia sialis*) were banded.

Although a few nest boxes were placed on his farm, Rabbit Hill, by John S. Herbert in 1963, the maximum number was not attained until 1967 and 1968, but no complete seasonal record was made until 1968 for the 60 nest boxes placed on fence posts on 6 miles of rural road within an estimated area of 3 square miles (1,800 acres). This area is 30 miles northwest of Nashville.

On 31 March, 11 boxes contained nest material; on 3 April first bluebird eggs of the season were laid in two nests. During the season, 53 of the boxes were used at least once by bluebirds, laying 119 sets of eggs (3 to 6 per clutch), totaling 502 eggs. From these, 347 hatched and 248 young fledged—49.4 per cent of the number of eggs laid.

In addition to the 119 clutches in the nest boxes, at least two broods successfully fledged from a martin house about 14 feet from the ground. Another brood of 5, hatched in a fence post, was taken by a predator.

From the nest boxes, 240 nestlings were banded, plus 6 from the martin house. Also 14 incubating or brooding females were banded and one was re-trapped that had been banded in 1967 when checking of nests began in mid-season. She was in a nest box about  $\frac{3}{4}$  of a mile from the one that she occupied in 1967.

Two of the nest boxes were used by Tufted Titmice (*Parus bicolor*) and one by a Carolina Chickadee (*Parus carolinensis*). One titmouse nest contained 8 eggs, from which 7 young fledged: the other of 6 eggs was unsuccessful. The chickadee set of 6 eggs was also unsuccessful, all eggs broken.

House Sparrows (*Passer domesticus*) made many attempts to occupy the nest boxes. From 21 March to 30 May, we removed 40 nests from 15 boxes. These nests were in various stages of construction, but from 9 of them, 44 eggs were removed. In some instances, bluebirds used the boxes later in the season.

Occasionally *Polistes* wasps started building and egg-laying, but these paper cells were removed immediately as was the nest of a bumble bee in another box.

Predators were responsible for most of the 43 complete nest failures. In two instances large snakes (*Elaphe* species) commonly called chicken or gray rat snakes, were found in the nests after consuming the contents. Among the totally unsuccessful nests, 17 were robbed of 59 eggs and 11 were robbed of 49 young. The nests were left intact which is typical of snake predation. Seven nests (30 eggs) were abandoned by the female for unknown reasons, but possibly on account of her death. Young were found dead in 5 nests (24 nestlings). From circumstantial evidence, pesticide spray is suspected in two instances and three instances of ant predation on 11 hatching eggs were noted. These boxes and posts were heavily dusted with pyrethrum powder to eliminate the ants.

One dead female was found in a disturbed nest. Early in the season, 21 March, a male bluebird was found dead in Box 27 with a partial nest and on 10 April, a freshly killed female was found in the same box. In both instances only the brains had been eaten by some small predator that could pass through the 1½ inch entrance. That box was then removed to another location.

The nest boxes are placed on fence posts, most of them about 5 feet from the ground. The approximate area of 3 square miles consists of mixed habitat—open meadows, planted fields of grain and tobacco, vegetable gardens, small orchards and wooded areas near Cheatham Dam, Cumberland River. Houses are scattered along the roadside in this beautiful country area with wild flowers along the way and lovely vistas of rolling hills and valleys (altitude 500-550 feet).

It is gratifying to note the fine population of bluebirds in the Neptune Community. Eastern Bluebirds have had difficulties during the past ten years due to the wide-spread use of poison sprays for insects and vegetation and the utilization of open areas for closely-built subdivisions. As bluebirds feed mainly on insects and wild fruits and do not adapt themselves to city environments, the country-home area of the Neptune Community is well suited to the needs of this attractive species.

All nest boxes were constructed and contributed by William F. Bell and placed by John S. Herbert. The residents of the area are very pleased and very cooperative in protecting the birds. Vandalism is non-existent.

Banding records are on file at the U. S. Bird Banding Laboratory so it is hoped that any band found on a dead bird will be reported. As each band has an individual number that identifies the bird, a report will furnish information on the movements of that bird and on its life span. The bander's report to the Bird Banding Laboratory for a nestling bluebird banded 14 Aug. 1968 in the Neptune Community must be coded for IBM as follows: 4474-107-134958-766-3-HY-U-2-82-361-0870-08-14-68. The band shows only 107-134958 and the legend "Notify F & W S Wash. D. C."

1521 Graybar Lane, Nashville, 37215; 611 Lynnbrook Rd., Nashville, 37215.

## THE 1968 CHRISTMAS SEASON BIRD COUNT

JON E. DEVORE, *Editor*

The thirty-ninth annual Christmas Season Bird Count listed a total of 125 species. This represents the second highest number of species ever recorded in the history of the Tennessee counts. The largest number of species ever recorded was in 1965 when 130 species were observed throughout the state. One new species was added to the total list, it being the Eastern Kingbird seen on the Norris count.

Apparently northern finches returned to the state in good numbers this winter, with Evening Grosbeaks, Pine Siskins, Red-breasted Nuthatches, and Purple Finches being well distributed in the eastern portion of the state with lesser numbers being noted as one moves west across the state. Species, other than the Eastern Kingbird, which were of special interest included: Pigeon Hawk, Orange-crowned Warbler, and Le Conte's Sparrow at Memphis; Golden Eagles and Tree Sparrows at Reelfoot; Long-eared Owls at Columbia; Greater Scaup at Chattanooga; Least Sandpipers and Dunlin at Hiwassee; Green Heron, Dunlin, and Common Redpoll at Knoxville; Short-billed Marsh Wren and Henslow's Sparrow at Great Smoky Mountains National Park; and Red Crossbills at Elizabethton and Bristol.

## INFORMATION ON THE COUNTS

Seventeen areas, including two high altitude areas, conducted counts this year. In the table and the information which follows, the areas are listed in order of their occurrence from west to east. The two high altitude counts are not listed on the table but are described in full in their appropriate place in the information.

**MEMPHIS**—All points within a 15-mile diameter circle, center Highland Heights; roughly 1953 areas; wooded bottomlands, 25%; deciduous woods, city parks and cemeteries, 30%; pastures and bare fields, 12%; suburban roadsides, 30%; river edge, 3%. 22 December: 6:50 a.m. to 5:00 p.m., almost steady drizzle in a.m., overcast in p.m. Temp. 51°; wind SW, 0-13 m.p.h., some standing water (36 hour drizzle). Nineteen observers in seven parties. Total party-hours 68 (50 on foot, 18 by car); total party miles 156 (49 on foot, 107 by car).

Pigeon Hawk (Alice Smith, first on Memphis Count); Catbird (Mr. & Mrs. Henry Dinkelspiel, George Hervey); Orange-crowned Warbler (Jack Embury); Le Conte's and Tree Sparrows (Mrs. Ben B. Coffey). Seen in area during count period but not on count day: Yellow-breasted Chat (12-16 Dec. Victor Julia; 24 Dec. and 2 Jan. Mrs. Ben B. Coffey), Evening Grosbeak (25 Dec. on, Dr. W. L. Whittemore, Mrs. Ben B. Coffey).

Mr. and Mrs. Ben B. Coffey, Jr. (compilers), Dr. Julian Darlington, Mary Davant, Mr. and Mrs. Henry Dinkelspiel, Jack Embury, Earl J. Fuller, George

## THE 1968 CHRISTMAS SEASON BIRD COUNTS

	Memphis	Reel- foot	Hender- son	Savan- nah	Colum- bia	Nash- ville	Leba- ville	Cooke- ville	Chatta- nooga	Hiwas- see	Norris	Knock- ville	GSMP	Greene- ville	Eliza- bethton	Bristol
Common Loon	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--
Horned Grebe	--	--	--	3	--	--	--	--	7	--	--	--	--	--	--	1
Pied-billed Grebe	--	6	4	1	2	1	--	2	1	--	--	--	--	--	5	15
Dbt.-crested Cormorant	--	1	--	--	--	--	--	--	3	--	--	--	--	--	--	--
Great Blue Heron	--	9	--	--	12	2	200	1	--	49	1	3	--	--	1	7
Green Heron	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--
Canada Goose	--	15000	--	--	22	--	70	--	2	1625	--	--	--	52	--	--
Snow Goose	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
Blue Goose	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
Egyptain Goose	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mallard	32	44000	--	--	109	1	1016	--	10	414	1	27	--	--	14	4
Black Duck	--	650	--	--	89	--	1000	--	56	439	6	32	--	2	--	2
Gadwall	--	725	--	--	--	--	300	--	3	40	3	27	--	--	--	--
Pintail	--	65	--	--	--	--	100	--	--	5	--	--	--	--	--	--
Gr.-winged Teal	--	45	--	--	6	--	100	--	--	30	--	--	--	--	--	--
Bl.-winged Teal	--	--	--	--	--	--	100	--	--	--	--	--	--	--	--	--
American Widgeon	--	310	--	1	4	--	--	--	--	44	--	--	--	--	--	--
Shoveler	--	125	--	--	--	--	150	--	--	--	--	--	--	--	--	--
Wood Duck	6	175	--	--	1	--	50	--	3	--	2	--	--	--	--	--
Redhead	--	10	--	--	--	3	40	--	--	--	3	--	--	--	--	--
Ring-necked Duck	--	2800	--	--	19	100	12	--	--	--	--	8	--	--	66	--
Canvasback	--	140	--	--	--	39	15	--	--	--	--	1	--	--	--	--
Greater Scaup	--	--	--	--	--	--	--	--	70	--	--	--	--	--	--	--
Lesser Scaup	5	225	--	5	56	50	12	--	26	--	29	--	--	--	12	1
Common Goldeneye	--	55	--	36	--	40	--	--	1	--	--	16	--	--	--	1
Bufflehead	--	115	--	40	--	7	--	--	3	22	--	3	--	--	33	--
Ruddy Duck	--	20	--	--	1	--	30	--	--	--	--	--	--	--	--	--
Hooded Merganser	4	25	--	2	7	--	30	--	1	4	15	--	--	--	--	3
Common Merganser	--	--	--	--	--	--	30	--	--	--	--	--	--	--	--	--
Turkey Vulture	--	1	20	7	3	1	400	--	2	--	--	--	4	19	--	3
Black Vulture	--	--	4	--	225	8	8	--	--	14	--	--	--	43	--	4
Sharp-shinned Hawk	1	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--
Coopers Hawk	--	1	--	--	--	1	--	--	1	--	--	1	--	--	--	1
Red-tailed Hawk	13	16	2	4	4	15	--	1	10	7	4	1	1	--	--	--
Red-shouldered Hawk	--	3	--	--	--	--	--	--	2	--	--	1	--	--	--	--
Golden Eagle	--	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bald Eagle	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Marsh Hawk	1	5	--	1	3	1	--	--	1	3	--	--	--	1	--	--
Osprey	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pigeon Hawk	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



	Memphis	Peel-foot	Hender-son	Savan-nah	Colum-bia	Nash-ville	Leban-on	Cooke-ville	Charla-nooga	Niwas-see	Norris	Knox-ville	GSMNP	Greene-ville	Eliza-bethton	Bristol
Brown Thrasher	23	7	--	1	1	--	--	3	10	--	2	1	--	5	--	--
Robin	1583	19	--	12	18	32	--	4	183	5	72	129	6	1	9	7
Hermit Thrush	9	2	--	2	1	1	--	--	4	--	--	1	1	--	--	1
Eastern Bluebird	1	5	2	4	12	38	19	14	70	16	46	15	7	--	12	28
Golden-crowned Kinglet	30	8	2	28	2	7	--	--	16	5	3	43	142	5	10	6
Ruby-crowned Kinglet	33	12	1	7	1	--	--	--	12	3	4	7	3	--	--	1
Water Pipit	--	--	--	--	--	--	--	--	--	80	--	--	--	--	--	--
Cedar Waxwing	403	6	--	5	--	24	--	--	267	8	32	38	--	--	4	--
Loggerhead Shrike	23	9	5	3	13	11	3	--	14	9	6	12	4	6	4	3
Starling	26875	5321	367	170	1400	2226	623	--	2257	855	300	2922	238	450	405	649
Orange-crowned Warbler	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Myrtle Warbler	59	19	--	1	2	7	--	--	24	--	4	8	18	--	3	1
Pine Warbler	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
House Sparrow	640	269	23	20	100	--	123	104	167	6	45	132	70	83	208	136
Eastern Meadowlark	165	50	2	75	85	377	103	49	237	195	104	241	60	85	20	3
Red-winged Blackbird	11667	18000	1200	525	250	50	16	2	1560	29	15	41	25	--	--	--
Rusty Blackbird	45	220	--	--	44	21	--	4	32	--	--	159	--	--	--	--
Common Grackle	12350	5000	700	20	1800	234	3	19	15	1	--	53	55	--	4	1
Br.-headed Cowbird	814	1000	--	4	22	3	--	7	25	90	10	1	--	--	1	--
Cardinal	652	155	42	64	80	651	125	95	422	52	213	366	182	126	94	77
Evening Grosbeak	--	7	11	--	--	2	14	--	99	--	41	6	35	99	2	34
Purple Finch	44	13	1	3	6	173	18	2	75	15	105	90	2	--	1	11
Common Redpoll	--	--	--	--	--	--	--	--	--	--	--	3	--	--	--	--
Pine Siskin	--	--	--	--	--	--	--	--	123	1	12	11	18	--	--	--
American Goldfinch	219	105	--	22	16	391	3	60	455	152	19	264	122	67	67	95
Red Crossbill	--	--	--	--	--	--	--	--	--	--	--	--	8	--	30	17
Rufous-sided Towhee	132	8	11	11	24	122	19	43	157	43	29	79	10	13	2	--
Savannah Sparrow	13	--	--	1	23	--	--	--	5	1	--	9	2	--	--	--
Le Conte Sparrow	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Henslows Sparrow	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
Vesper Sparrow	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--
Slate-colored Junco	380	26	38	184	12	934	65	50	423	86	188	79	83	33	111	94
Tree Sparrow	2	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chipping Sparrow	--	--	--	--	--	--	--	--	6	--	--	--	--	--	--	--
Field Sparrow	104	19	23	110	48	254	2	28	590	147	125	128	156	109	9	31
White-crowned Sparrow	8	--	--	--	62	88	36	8	20	2	3	18	--	14	--	10
White-throated Sparrow	867	87	20	68	109	181	5	41	355	55	347	182	139	52	29	4
Pox Sparrow	49	4	--	13	11	10	--	--	11	--	1	1	5	--	--	--
Swamp Sparrow	118	23	6	7	15	2	--	--	53	--	--	18	3	--	--	--
Song Sparrow	347	24	20	18	56	68	3	13	129	51	70	237	124	35	20	20
Total Individuals	61692	56552	2582	2215	5499	7976	5342	875	9696	6472	2532	6985	2277	8270	1694	1673
Total Species	68	85	40	61	71	66	58	44	84	66	64	74	58	48	49	55

Hervey, Oliver Irwin, Edward M. King, Kenneth Leggett, Ella Ragland, Ernest Restivo, Alice Smith, Dr. and Mrs. Arlo I. Smith, Lynn Smith, Dr. L. P. Wilson.

**REELFOOT LAKE**—All points within a 15-mile diameter circle, center in Reelfoot Lake on west side of Starve Pond, extending northward to north end of Lake 9 in Kentucky, eastward to bridge on South Reelfoot Creek near Protemus and to the town of Hornbeak, southward to north end of Lake Isom Refuge, westward to Mississippi River; deciduous woods, 30%; fields and pastures, 50%; lakes and swamps, 10%; river, 5%, towns, 5. 27 December: 6:00 a.m. to 5:00 p.m., cloudy, intermittent rain. Temp. 52° to 55°; wind SE, 15-25 m.p.h. Ten observers in four parties. Total party-hours 34 (14 on foot, 20 by car); total party-miles 234 (15 on foot, 219 by car).

Seen in area during count period but not on count day: White-crowned Sparrow, Common Snipe.

Evelyn Cole, John DeLime, Williard Gray, Janice Leggett, Kenneth Leggett (compiler), Clell Peterson, Arlo Smith, Kaye Smith, Noreen Smith, Bettie Sumara.

**HENDERSON**—All points within a 15-mile diameter circle, center just inside west city limits of Henderson, east to shore of Lake LaJoie in Chickasaw Park. Area includes Highway 100, Chickasaw Park, Fire Tower, Hughes Road south to Montezuma, Silverton and surrounding area. 26 December: 6:45 a.m. to 4:45 p.m. Temp. 44° to 55°; wind 8-20 m.p.h., wind brisk most of day with a smooth cloud cover. One observer in one party. Total party-hours 10 (3 on foot, 7 by car); total party-miles 54.6 (5 on foot, 49.6 by car).

The 20 Turkey Vultures and 9 Black Vultures were seen on way to roost. Eleven Evening Grosbeaks were at the feeder in yard; first appeared on 22 November.

Mrs. E. M. Carpenter, Sr.

**SAVANNAH**—All points within a 15-mile diameter circle, center six miles SE of Savannah courthouse. 1 January: 7:30 a.m. to 5:30 p.m. Temp. 16° to 30°; wind N, 0-10 m.p.h., clear during day. Four observers in one party. Total party-hours 10; total party-miles 60.

David Patterson (compiler), Mike Patterson, Paul Patterson, Roger Patterson.

**COLUMBIA**—All points within a 15-mile diameter circle, center 1 mile west of Zion Church to include Columbia, Mt. Pleasant, Arrow Lake, Hampshire, Williamsport, Duck River and Monsanto Ponds; Deciduous woods, 20%; fields and pastures, 50%; swamps, lakes, and riverbanks, 15%; farmyards, 5%, towns, 10%. 26 December: 7:00 a.m. to 6:00 p.m. Temp. 32° to 50°; wind SE 5-12 m.p.h., weather mostly cloudy. Six observers in four parties. Total party-hours 15; total party-miles 180.

The two Long-eared Owls were found in the same pine thicket as in 1965 by Daniel Gray III.

William Dale, William Fugua, Daniel Gray III, Cleo Mayfield, George R. Mayfield, Jr. (compiler), Evelyn Ridley.

NASHVILLE—All points within a 15-mile diameter circle, center on the Harpeth River bridge over Tennessee Highway 100. Radnor Lake was included. Deciduous wooded hills, 40%; fields and pastures, 25%; riverbottom fields, 20%; roadsides and suburban yards, including 11 feeding stations, 15%. 28 December: 6:30 a.m. to 5:00 p.m. Temp. 41° to 36°; wind NNW 6-30 m.p.h. and very gusty; a light rain at daybreak, then overcast the rest of the day. Thirty-eight observers in eight parties, plus eleven at home feeders in area. Total party-hours 59 (38.5 on foot, 20.5 by car); total party-miles 163 (33 on foot, 130 by car).

Mr. and Mrs. Clyde Anderson, Mrs. Ann Arnett, Mr. and Mrs. William F. Bell, Sr., Mike Bierly, Ruth Castles, Annella Creech, Mrs. Leon DeBrohun, Charles DeWitt, Sam Doak, Mrs. Nelson Elam, Mrs. Erline Elmore, John Ellis, Dr. Charles Farrell, Albert F. Ganier, Katherine Goodpasture, Ben Groce, Mr. and Mrs. John Herbert, Mrs. A. B. Herron, Louise Jackson, Carol Knauth, Margaret Mann, Harry Monk, Mrs. Robert Nichols, Mr. and Mrs. L. E. Nordholt, Henry E. Parmer (compiler), Ellen Tringer, Mrs. Ann Tarbell, Lawrence Trabue, Bob and Bill Trammell, Ruth White, Mr. and Mrs. George Woodring, Virginia Workman.

LEBANON—All points within a 15-mile diameter circle, center on the Lebanon square, including wooded areas, back yards, Old Hickory Lake Refuge, and open country. 27 December: daylight to dark. Temp 30° to 40°, light intermittent rain, strong biting north wind.

Doug Allen, Mrs. Winstead Bone, Mrs. George Bouton, Mrs. Glenn Burchett, Miss Martha Campbell, Miss Margaret Campbell, Mrs. Louise Chambers, Mr. and Mrs. Clay D. Couch, Mrs. Robert Cox, Mrs. Alyne Eastes, Mrs. Carter Farris, Miss Burta Ferrell, Mrs. Emmet Gaston, Mrs. S. B. Gilreath, Grady Graves, Mrs. John Graves, Mrs. Roy Hobbs, Dr. and Mrs. M. S. Howard, Mr. and Mrs. Paul S. Hunton, Mr. and Mrs. Thurman Jamison, Dick Lawler, Mrs. Sam B. McFarland, Mr. and Mrs. Dixon Merritt, Mr. and Mrs. Byron S. Paul (compilers), John Sellers, Mr. and Mrs. Porter Taylor, Mrs. Henry Waters, Mrs. William Welty, Mrs. Luke Williams, Miss Mary Wharton, Dr. and Mrs. R. D. Wilkinson.

COOKEVILLE—All points within a 15-mile diameter circle, center on the city of Cookeville. Included in the area is yard and garden space, open country, fields and woods, city lake area, and swamp area. 27 December: 7:00 a.m. to 5:00 p.m. Temp. 50° to 55°; wind 5-15 m.p.h., day was cloudy, windy, and with intermittent rain, especially in the afternoon. Eleven observers. Total party-hours 54; total party-miles 85 (7 on foot, 78 by car).

Dr. and Mrs. J. O. Cummins, Caprice Haile, Mr. R. D. High, Mr. Roy T. Hinds, Dr. Paul L. Hollister, Amy Johnson, Dr. and Mrs. Sidney L. McGee, Annice Moore, Mr. Miser R. Richmond, Ken Rogers, Marie White (compiler).

CHATTANOOGA—All points within a 15-mile diameter circle, center on the National Cemetery; fields and pastures, 35%; woodlands, 20%; ponds and lakes, 15%; creeks and rivers, 15%; roadsides, 10%; and residential areas, 5%. 29 December: 6:00 a.m. to 7:00 p.m. Temp. 33° to 44°; wind NNW 0-2 m.p.h., very scattered clouds in the early a.m., then clearing with no clouds in the late a.m. or p.m., bright sun in the p.m. Thirty-one observers in fourteen parties. Total party-hours 105 (68 on foot, 37 by car); total party-miles 562 (82 on foot, 480 by car).

The Greater Scaup were observed under excellent light conditions and in comparison with Lesser Scaup on Chickamauga Lake. Birds had been present for some time and have been seen by several observers.

Francis Barnwell, Mr. and Mrs. T. S. Barr, Pam Bowman, Ralph Bullard, Dr. W. K. Butts, Maxine Crownover, Jon E. DeVore (compiler), Mark and Helen DeVore, Kenneth H. Dubke, Roy Evenson, Dr. and Mrs. John R. Freeman, James Garrett, Howard and Mary Lou Meadors, Gladys C. Nelson, Mable Norman, Beulah Parks, Eugene and Eva Ranger, Theo L. Rogers, Veta Sliger, Mary Tunsberg, Jack and Mark Wagner, Adele and Gene West, Mrs. Collin S. Wilcox, Mrs. H. B. Wilkinson.

HIWASSEE—All points within a 15-mile diameter circle, center on State Highway 58 bridge at the Hiwassee River; agricultural fields, 30%; deciduous woods, 30%; creeks and rivers, 15%; residential areas, 10%; roadside and weedy areas, 10%; evergreen woods, 5%. 27 December: 6:00 a.m. to 5:15 p.m. Temp 38° to 54°; wind S, 1-12 m.p.h., light overcast in the early a.m., heavier clouds in the early p.m. with occasional drizzle in the late p.m. Five observers in three parties. Total party-hours 27 (13 on foot, 14 by car); total party-miles 284 (37 on foot, 247 by car).

The Dunlin were found at three separate locations. The Least Sandpipers were found with a small group of Dunlin at the Mouse Creek area to the eastern edge of the count circle. Both species had been present all fall and had been seen by several observers.

Ralph Bullard, Jon E. DeVore (compiler), Kenneth H. Dubke, Adele and Gene West.

NORRIS—All points within a 15-mile diameter circle, center on BM 1062 Norris Dam, to include Clinch River, Hinds Creeks, Clear Creek, Norris Lake, Cane Creek, Norris, Andersonville, Lake City; mixed hardwoods, cedars, and pines, 55%; fields and pastures, 40%; towns, 5%. 21 December: 5:00 a.m. to 5:00 p.m. Temp. 27° to 43°; wind, calm, clear in a.m., cloudy in p.m., light rain last hour, all water areas open.

The Eastern Kingbird was observed on the count day by Richard B. Fitz, biologist with the T.V.A. Bird was viewed with 8 x 30 binoculars as it was perched in the field edge of a brushy swale bordering Byrams Fork of Hinds Creek near the Lone Mountain Community east of Andersonville. The bird was seen the following day by Francis Olson of Norris. Seen in area during count period but not on count day: Wood Duck, Common Goldeneye, Sparrow Hawk, Ruffed Grouse, Hermit Thrush.

James H. Burbank (compiler), Richard B. Fitz, Gordon E. Hall, Ben D. Jaco, Frances Moore, Francis Olson.

KNOXVILLE—All points within a 15-mile diameter circle, center on Oak Ridge Highway at Third Creek; deciduous woods and pine woods, 25%; fields and pastures, 16%; roadsides and brushy fields, 25%; residential areas, 20%; lakes and marshes, 14%: 29 December: 6:30 a.m. to 6:30 p.m. Temp. 28° to 42°; wind, variable and light, partly cloudy to clear. Twenty-one observers in ten parties. Total party-hours 80 (44 on foot, 36 by car); total party-miles 340 (32 on foot, 308 by car).

The Green Heron was identified by Tony Koella, and was the second time for this species on a Christmas Count. The Common Redpolls were seen at a feeding station where they had been seen on other days. They were identified by Mrs. Terry McGown who was familiar with them in Canada.

Mrs. A. B. Burritt, J. M. Campbell, R. J. Dunbar, Danny Ellis, John Elson, Elizabeth French, Maurice Grigsby, Mrs. Elizabeth Henry, Gale Hobbs, W. M. Johnson, Tony Koella, Terry McGown, Muriel Monroe, Julia Moore, Louise Nunnally, Owell Puckett, Lynn Satterfield, Steve Satterfield, Terry Satterfield, Boyd Sharp, J. T. Tanner (compiler).

GREAT SMOKY MOUNTAINS NATIONAL PARK, TENN.-N.C.—All points within a 15-mile diameter circle, centered on Bullhead, to include US 441 from Pigeon Forge to Kephart Prong; Tenn. 73 from Pittman Center to Metcalf Bottoms; Appalachian Trail from Mount Collins to Newfound Gap; West Prong Little Pigeon River; Little River; Cherokee Orchard; Emerts Cove; Wear Cove; LeConte Creek; open farm land, 5%; abandoned fields, 10%; stream courses, 25%; farm woodlots, 5%; deciduous forests, 25%; pine forests, 10%; spruce-fir forests, 15%; towns, 5%. 22 December: 7:00 a.m. to 6:00 p.m. Temp 34° to 55°; wind, variable 5 to 30 m.p.h. with gusts up to 40 m.p.h. Overcast and rain all day with 0.40 inches of rain in the lower elevations and 1.58 inches in the higher elevations.

Three birds were seen for the first time on the Smokies Christmas Count. These were the Blue Goose, Henslow's Sparrow and the Short-billed Marsh Wren. The Blue Goose is of special interest since it has been observed in the river in Gatlinburg since October, 1967. It appeared after the bird kill at the Ski Resort that year, and although it is a normal healthy bird, capable of flight, it has made no attempt to leave.

Gilbert Banner, Joshua Banner, James Campbell, Robert J. Dunbar, Danny Ellis, Miss Mary Enloe, Maurice E. Grigsby, Miss Gale Hobbs, Dr. Joseph C. Howell, Miss Susan Hoyle, Mrs. George McGown, Robert A. Monroe, Miss Louise Nunnally, Mrs. Holly Overton, Stephen Satterfield, Terry Satterfield, A. Boyd Sharp, Jr., Ed Smith, Arthur Stupka, Mrs. Arthur Stupka, Richard C. Zani (compiler).

COSBY—Eastern end of the Great Smoky Mountains National Park from Cosby Recreation area to Low Gap. 5 January: 9:00 a.m. to 3:00 p.m. Temp. 12° to 24°, clear to cloudy. Total party-miles 5 (5 on foot). Four observers in one party.

Belted Kingfisher 1, Red-bellied Woodpecker 2, Yellow-bellied Sapsucker 5, Hairy Woodpecker 7, Downy Woodpecker 2, Common Crow 2, Carolina and Black-capped Chickadees 12, Tufted Titmouse 8, Red-breasted Nuthatch 5, Carolina Wren 2, Hermit Thrush 1, Golden-crowned Kinglet 15, Ruby-crowned Kinglet 1, Cardinal 3, Evening Grosbeak 13, Pine Siskin 5, Slate-colored Junco 2, White-crowned Sparrow 1.

Bob Holt, Roger Miller, Richard Nevius, Dr. R. B. Spees.

GREENEVILLE—All points within a 15-mile diameter circle, center three miles west of Greeneville on Highway 11-E. Woodlands, 50%; fields, 40%; pastures, ponds, stream, and town, 10%. 29 December: 7:30 a.m. to 6:15 p.m.

Temp. 30° to 40°; wind, variable 0-10 m.p.h., cloudy to clear. Thirteen observers in nine parties. Total party-hours 57; total party-miles 54 (24 on foot, 30 by car).

Mr. and Mrs. Chester Darnell (compilers), Roger Draper, William Fischer, David Johnson, Irving Landmark, S. R. McGuire, Richard Nevius, Randy Russell, Richard Sievert, Dr. and Mrs. Royal B. Spees, Mrs. E. T. Shaw.

ELIZABETHTON—All points within a 15-mile diameter circle, center Wilbur Dam, to include Wilbur Lake, major portions of Watauga Lake, parts of Watauga and Doe Rivers, parts of South Holston and Iron Mountains, city of Elizabethton; lake borders, 5%; stream borders, 50%; woodlands, 30%; weed fields, 15%. 29 December: 7:00 a.m. to 6:00 p.m. Temp. 22° to 38°; wind WNW, 0-15 m.p.h., cloudy, windy all day; no snow cover, all waters clear. Seven observers in four parties. Total party-hours 27.5 (12 on foot, 15.5 by car); total party-miles 186.8 (7.5 on foot, 179.3 by car).

Fred Behrend, Mrs. Harold Dillenbeck, Joy Dillenbeck, Mrs. George Dove, Roby May, Craig Shepherd, Charles Smith (compiler).

BRISTOL, TENN.-VA.—All points within a 15-mile diameter circle, center at junction of U.S. 11 and Route 625, to include Bristol, South Holston Lake and river; fields and farmland, 40%; mixed deciduous forest, 25%; lakes and rivers, 15%; towns and residential, 10%; mixed, 10%. 29 December: 6:30 a.m. to 5:45 p.m. Temp. 28° to 33°; wind NE, 0-5 m.p.h., generally clear, no snow cover, waters open. Eight observers in five parties. Total party-hours 15.75 (10.25 on foot, 5.5 by car); total party-miles 114 (3 on foot, 111 by car).

The 17 Red Crossbills were observed at the County Park near the U.S. 421 Highway Bridge at South Holston Lake. This represents a first for our count and the flock was observed by J. Wallace Coffey as they fed from the cones of Virginia Pines. The flock appeared to be mixed males and females. They were approached within 15 feet and the red plumage and crossed bills were very evident. They frequently perched in exposed positions and the call notes of the flock could easily be heard. The period of observation was about ten minutes.

J. Wallace Coffey (compiler), Mr. and Mrs. H. C. Epperson, Enno VanGelder, Roger VanGelder, David McPeak, Nancy McPeak, C. T. Ottenfeld.

ROAN MOUNTAIN—From Roan Valley settlement of summer cottages at 4750 feet along mountain road and through pasture and woodland to Carvers Gap at 5500 feet. On Forest Service highway and along "Balsam Road" through coniferous forest to Rhododendron Gardens. Return by Forest Service highway to Carvers Gap and starting point. 24 December: eight and one-quarter hours. Temp. 14° at start, 8° at mid-day, 15° at finish; wind NNW, mostly 30 to 40 m.p.h., brilliant sunshine. High wind making dry snow in pasture and other open areas swirl in clouds. Snow up to 8 inches deep, except on highway from which blown off by wind. "Balsam Road" very slick with ice under snow. Three observers in one party. Total party-hours 9; total party-miles 18.

Ruffed Grouse 1, Hairy Woodpecker 1, Downy Woodpecker 2, Red-breasted Nuthatch 8, Slate-colored Junco 6, Song Sparrow 1 (an unusual occurrence at 4700 foot elevation).

Fred Behrend (compiler), Jim Finucane, Joe Finucane,

## ROUND TABLE NOTES

SONG SPARROW NESTS AT COOKEVILLE—On 11 May 1968, at the request of Mrs. James (Caprice) Haile, it was my privilege to drive Mr. Albert Ganier and Mrs. Amelia Laskey out to Mrs. Haile's to examine a nest in her garden which she was reasonably sure was that of a Song Sparrow (*Melospiza melodia*). She had seen and heard the Song Sparrow and had seen the bird leaving the nest. The nest held 2 small young a few hours old, 2 unhatched eggs of the sparrow and one egg of a Cowbird. Mr. Ganier identified the eggs of the Song Sparrow and removed the Cowbird egg. The nest was built deep down in a lush clump of day lilies which grew in a garden. The parent bird flew from the nest, remained near and later came close, making identification positive. Two days later, the sparrow eggs were found to have hatched. This nest was on the outskirts of Cookeville. Song Sparrows have been seen in Cookeville in several different areas during breeding season but so far no other nests have been found.

BEULAH CLARK, Route 4, Cookeville 38501.

EDITOR'S NOTE: This is the most westerly nest in Tennessee as yet recorded. In *The Migrant* 36:60, Ben B. Coffey recorded them in breeding season even further west, viz. Manchester, but did not succeed in finding a nest.

MISSISSIPPI KITES AT REELFOOT—About noon on 2 September 1968, my wife and I were driving toward the Mississippi River ferry near Tiptonville. We noticed four hawks soaring over the sandy area and dump just east of the ferry. We were able to identify them as Mississippi Kites (*Ictinia mississippiensis*). They were observed for about twenty minutes through 9x36 binoculars and a 15-60x telescope.

Three of the four kites were adults. The pale gray head and black tail were clearly visible. The fourth apparently was a juvenile with streaked underparts and a barred tail. When first observed they were fairly low. At times they would soar up high then suddenly drop down by side-slipping, feet first.

As we drove northward up the levee road, we were able to see two more kites soaring along the river bank. The weather was unseasonably cool and clear with the wind out of the southwest about 15 m.p.h. A cold front had passed through the week before.

As we went back through Tiptonville, we told Gene and Mary Lou Cypert where we had seen the kites. Later the same afternoon they observed two in the same area.

On the same day we also observed a Sharp-shinned Hawk (*Accipiter striatus*) near Walnut Log and a Broad-winged Hawk (*Buteo platypterus*) in the U. S. Fish and Wildlife Game Reserve at the north end of Reelfoot Lake.

KENNETH LEGGETT, RFD 1, Dyersburg 38024.

SWALLOW-TAILED KITE NEAR NASHVILLE—On 11 August 1968, a Swallow-tailed Kite (*Elanoides forficatus*) was observed at Donelson, Tenn., which is seven miles east of Nashville. The bird was leisurely passing over the suburbs of the town, about 200 feet up and soaring in circles while moving southward in a fairly direct line. The observers who watched this rare visitor from the south were Mrs. H. A. Hatcher and Mrs. Euclid Moore, both T.O.S. members who, with their husbands, were in the Moore yard at the time. They noted the white underparts, the black wings and tail and the deeply forked formation of the latter. They at once consulted their field guides and found the illustration that confirmed their earlier identification. Some days later they visited my collection of study skins and when I showed them the specimen that was accidentally killed near Winchester, Tenn., 12 August 1965, they readily recognized it as the species they had seen on 11 August. Reference to *The Migrant* 36:58 shows this to be the fourth Tennessee record in the last fifty years.

ALBERT F. GANIER, 2112 Woodlawn Dr., Nashville 37212.

NASHVILLE'S CONTRIBUTION TO THE CORNELL NEST-RECORD PROGRAM—During the 1967 nesting season the members of the Nashville Chapter continued their participation in the North American Nest-Record Card Program, sponsored by the Laboratory of Ornithology at Cornell University. The general area of Middle Tennessee produced cards (numbers in parenthesis) on the following species: Canada Goose (1), Bobwhite (1), Mourning Dove (2), Whip-poor-will (1) Pileated Woodpecker (1), Red-bellied Woodpecker (2), Red-headed Woodpecker (2), Downy Woodpecker (3), Eastern Kingbird (1), Barn Swallow (3), Cliff Swallow (1 card representing a nesting colony of 100 nests), Purple Martin (15 cards representing 80 nests, with one card used per nesting colony), Blue Jay (2), Common Crow (1), Carolina Chickadee (11), Tufted Titmouse (1), House Wren (2), Carolina Wren (1), Mockingbird (5), Catbird (3), Brown Thrasher (3), Robin (5), Eastern Bluebird (61), Blue-gray Gnatcatcher (2) Starling (9), Blue-winged Warbler, (1) Louisiana Waterthrush (1), House Sparrow (7), Red-winged Blackbird (1) Orchard Oriole (3), Common Grackle (4), Brown-headed Cowbird (2), Cardinal (7), Indigo Bunting (1), Rufous-sided Towhee (1), Chipping Sparrow (2). A total of 169 cards, representing 333 nests of 36 species, was turned in. There were fifteen participants in the program: Gary Allen, Mrs. William F. Bell, Mrs. Kathlein Bratton, Mrs. Erline Elmore, Mrs. Katherine Goodpasture, John Herbert, Mrs. Martha Herbert, Mrs. W. L. McCrary, Mrs. William McElroy, Mrs. Fanny Murphy, Henry Parmer, Mrs. W. L. Smith, Mrs. Evelyn Stone, L. O. Trabue, Mary Wood.

Of special interest is the report by Mrs. Fanny Murphy of a nest started by bluebirds and finished by chickadees, resulting in the hatching and raising of one bluebird and three chickadees by the chickadees (*The Migrant* 39:11). Martha and John Herbert have gone into the bluebird business in a big way at their farm in Cheatham County. Mrs. Amelia Laskey is participating with the Herberts in this project. This year's results are as follows: available nest boxes, 53; boxes used, 39; number of occupied nests, 48; eggs laid, 191;

eggs hatched, 116; nestlings fledged and banded, 91. This project will be continued and expanded.

LAURENCE TRABUE, 3819 Harding Place, Nashville 37215.

NOTES ON SECOND ANNUAL INFORMAL SYMPOSIUM—Thirty-three persons gathered 26 October 1968, at Pete Smith's Watts Bar Resort for the Second Annual Fall Symposium. Mr. Fred Alsop III discussed Swainson's Warbler (*Limnotblypis swainsonii*) in Tennessee. Mr. Fred W. Behrend related experiences of twenty-five years of bird study on Roan Mountain. Mr. Albert Ganier talked of his experience over the years in searching for nesting Peregrine Falcons (*Falco peregrinus*). Mr. Charles Smith read a paper submitted by Mr. Mark B. Simpson of Statesville, N. C., relating his search for nesting Saw-whet Owls (*Aegolius acadica*) in the southern Appalachians. Mrs. Earl Olson gave her observations of nesting Tree Swallows (*Iridoprocne bicolor*) in East Tennessee. Mr. Mack Prichard, naturalist with State Parks Department, gave the evening program on conservation, wild areas, and pollution. It was decided the third annual symposium will be held at the same location. Mr. Kenneth H. Dubke presided at the meeting.

FRANCES OLSON, Norris 37828.

COME TO UPPER EAST TENNESSEE  
FOR THE FIFTY-FOURTH ANNUAL STATE T.O.S.  
MEETING 9, 10, 11 MAY 1969,  
AT EAST TENNESSEE STATE UNIVERSITY,  
JOHNSON CITY, TENNESSEE

There will be a paper session on 10 May, at which papers describing original research in the area of ornithology may be presented. If you should wish to participate in this paper session, please send the title and a synopsis of your topic and an estimation of the time required for its presentation to the Editor as soon as possible.

TENNESSEE ORNITHOLOGICAL SOCIETY  
TREASURER'S REPORT — MAY 1967 - MAY 1968

MEMBERSHIPS	PAID	UNPAID	PAID	INDI- VIDUAL	FAMILY	TAIN-	STU- DENT	LIFE	COLLECTED
	1967	1968	1968			SUS- ING			
Bristol	33	4	31	15	15	1	—	—	\$ 90.50
Chattanooga	27	9	29	16	8	—	3	2	96.50
U. Cumberland	22	5	21	17	4	—	—	—	54.50
Elizabethton	13	—	16	8	5	—	2	1	41.00
Greeneville	9	2	10	2	8	—	—	—	29.00
Kentucky Lake	7	7	1	1	—	—	—	—	3.00
Knoxville	73	4	82	36	25	2	15	4	221.50
Lebanon	18	—	23	13	9	—	—	1	65.00
Memphis	61	11	64	44	14	2	1	3	196.00
Nashville	134	29	139	71	42	9	6	11	438.00
Reelfoot	17	6	17	8	7	—	2	—	40.50
Tenn-at-Large	41	6	36	24	6	1	3	2	106.50
Corresponding	65	9	63	50	3	2	3	5	140.00
	520	92	532	305	146	17	35	29	\$1522.00
SUBSCRIPTIONS—Libraries and Museums									88.00
									\$1610.00

## OTHER INCOME

M.I.T. Dividends	\$145.87
Shoulder Patches	38.75
Check Lists and Books	71.05
Back Issues THE MIGRANT	221.44
Advertising THE MIGRANT	20.00
Reprints	16.46
	513.57
TOTAL INCOME FROM ALL SOURCES	\$2123.57

## DISBURSEMENTS

Printing THE MIGRANT	\$1665.35
Secretarial Acct.—MIGRANT	100.00
Mailing Permit, Postage, Envelopes	130.03
Reprints of Articles	18.67
Check Lists and Books	43.75
Officers' Stationery, Postage	129.70
Printing Constitution	18.50
3 M.I.T. Shares (Life Memberships)	53.64
TOTAL DISBURSED	\$2159.64
Balance on Hand April 25, 1967	\$1979.26
Income as Itemized Above	2123.57
	\$4102.83
Disbursements as Itemized Above	2159.64
NET BALANCE ON HAND	\$1943.19

## ENDOWMENT FUND—

312 M.I.T. Certificates on Hand @\$16.52	\$5154.24
1 May 1968	ANNELLA CREECH, <i>Treasurer</i>

## THE SEASON

CHARLES R. SMITH, *Editor*

Dry weather with cooler than average temperatures prevailed throughout August, September, and October across the state. August was the driest month with precipitation as much as 2.5 inches below the average for that month in some areas (e.g. Cumberland Plateau). September followed August with more dry weather and much cooler temperatures. The September temperature average for the Western Coastal Plain of Tennessee was 3.5 degrees below the average for that month. October brought some relief from the dry weather, with precipitation levels returning to near normal for most of the state; however, the temperature still remained somewhat below average and traces of snow were reported from most parts of the state, except the Coastal Plain Region.

Probably the most significant record for this period is that of the Ground Dove from the Savannah area. This bird constituted a first record for the state. It is also interesting to note that the Cattle Egret may now be described as "routine" in the Reelfoot area, and that records of its occurrence are still increasing in number and spreading across the state.

Among the birds of prey, records of the Mississippi Kite from the Coastal Plain and especially the Swallow-tailed Kite from the Nashville area (see "Round Table Notes") are notable. Peregrine Falcons were also reported from the Plateau and Basin and Ridge and Valley Regions. Another record for the Saw-whet Owl was presented for the Nashville area. The Rough-legged Hawk was again recorded from the Ridge and Valley Region.

Other records of interest include Sandhill Cranes from both the Plateau and Basin and Ridge and Valley Regions. Records of the Sanderling and American Avocet are notable both for the state and for the Chattanooga area. The Least Tern was also unusual for the Chattanooga area.

Scattered reports of Purple Finches and Pine Siskins (the latter primarily from the Eastern regions) suggest that this winter might be another fair season for Northern finches, so keep your eyes and ears open.

Details of the above noted observations may be found in the reports which follow.

WESTERN COASTAL PLAIN REGION—*Hérons-Osprey*: Great Blue Heron: 21 Sept. (13) LL. Cattle Egret: 25 Aug. (2) D, 6 Sept. (60) D, 21 Sept. (100) D (KL), 12 Oct. (13) R. Gadwall: 8 Sept. (3) R. Green-winged Teal: 15 Oct. (150) R. Blue-winged Teal: 2 Aug. (75) R. American Widgeon: 11 Sept. (3) R. Shoveler: 26 Sept. (75) R. Redhead: 25 Oct. (3) R. Ring-necked Duck: 16 Oct. (750) R. Canvasback: 29 Oct. (10) R. Ruddy Duck: 14 Oct. (150) R. Mississippi Kite: 18 Aug. (1) R, 2 Sept (6) R (KL). Sharp-shinned Hawk: 2 Sept. (1) R, 21 Sept. (1) LL, 12 Oct. (1) R. Cooper's Hawk: 18 Aug. (1) R, 2 Sept. (3) R, 21 Sept. (4) LL, 29 Sept. (1) R, 28 Oct. (1) H, all (KL). Broad-winged Hawk: 4 Oct. (11) LL. Bald Eagle: 28 Aug. (3) R (HSD). Marsh Hawk: 8 Sept. (1) R, 29 Sept. (2) R, 28 Oct. (1) H. Osprey: 12 Oct. (1) R.

*Sandpipers-Kinglet*: Pectoral Sandpiper: 2 Sept. (1) R. Least Sandpiper: 2 Sept. (1) R. Ground Dove: 20 Oct. (1) banded S; retrapped 7 Nov. (MP, DP). Great Horned Owl: all Sept. (1-3) S. Whip-poor-will: to 20 Sept. (1) S. Red-headed Woodpecker: 2 Sept. (48) R. Traill's Flycatcher: 8 Sept. (1) R (KL). Least Flycatcher: 4 Oct. (1) banded S. Tree Swallow: 2 Sept. (3,500 R, 12 Oct. (11,000) R. Bank Swallow: 2 Sept. (150) R. (KL). Rough-winged Swallow: 28 Aug. (2,000) R (HSD). Barn Swallow: 12 Oct. (54) R. Cliff Swallow: 12 Oct. (2) R. Purple Martin: 12 Oct. (3) R (MD). Fish Crow: 12 Oct. (1) R. Red-breasted Nuthatch: 12 Oct. (1) R, 28 Oct. (1) H. House Wren: 10 Oct. (1) first S record (DP). Wood Thrush: 12 Oct. (1) R, 21 Oct. (1) S. Hermit Thrush: 12 Oct. (5) R Golden-crowned Kinglet: 12 Oct. (5) R.

*Vireos-Warblers*: Solitary Vireo: 12 Oct. (1) R, 22 Oct. (1) S. Philadelphia Vireo: 29 Sept. (1) R, 4 Oct. (5) LL, 12 Oct. (3) R, (all KL). Tennessee Warbler: Oct. (98), 6 Nov. (1), 7 Nov. (1) banded, S. Orange-crowned Warbler: 12 Oct. (1) R, 5 Nov. (1) banded, S. Black-throated Green Warbler: to 22 Oct. (1) R. (EC). Blackburnian Warbler: 28 Sept. (2) R, to 10 Oct. (1) S. Palm Warbler: to 18 Oct. (2) S. Mourning Warbler: 12 Sept. (1) S. Wilson's Warbler: 29 Sept (1) R (KL).

*Oriole-Sparrows*: Baltimore Oriole: 8 Sept. (1) R (KL). Rusty Blackbird: 12 Oct. (1) R. Scarlet Tanager: 7 Oct. (1), 11 Oct. (1) S. Rose-breasted Grosbeak: 14 Sept. (1) R, 4 Oct. (200) LL (KL), 15, 16, 17 Oct. (1) banded each day, S. Blue Grosbeak: 8 Sept. (4) R (KL). Dickcissel: 5 Oct. (1) S. Vesper Sparrow: 12 Oct. (4) R. Slate-colored Junco: 4 Oct. (1) S. White-crowned Sparrow: 4, 10, 11 Oct. (1) banded each day, S. Lincoln's Sparrow: 2 Oct. (1), 14 Oct. (10) S.

*Locations*: D—Dyersburg area, H—Huntington, LL—Land-Between-the-Lakes, R—Reelfoot Lake and Tiptonville area, S—Savannah.

*Observers*: MD—Mary Davant, HSD—Helenhill S. Dove, KL—Kenneth Leggett, DP—David Patterson, MP—Mike Patterson.

DAVID E. PATTERSON, Harbert Hills Academy, Olive Hill 37475.

CENTRAL PLATEAU AND BASIN REGION—*Grebes-Ducks*: Pied-billed Grebe: 1 Aug. (1) RL (MCW). Great Blue Heron: only two reports NA. Green Heron: last, 1 Oct. (1) RL (MCW). Little Blue Heron: 23 June

(5) SHV (MLB), 30 July (1) CL (MCW). Cattle Egret: a belated report, 29 May (4) PBP (MM), first NA record. Canada Geese: 5 Oct. (5) CV (RTH) and (SO) LA (MCW), 30 Oct. (100) CV (RTH). Blue Goose: 21 Oct. (1) RL (MCW). Mallard and Black Ducks: first report very late, 23 Oct. (2) each RL (LOT). Gadwall: only report, 1 Oct. (1) CV (RTH). Pintail: 23 Oct. (1) RL (LOT). Blue-winged Teal: 22 Sept. (20) NH (ECC). American Widgeon: 12 Oct. (12) CV (RTH), 29 Oct. (8) RL (MCW). Wood Duck: 1 July (70) down to (2) end of period RL (MCW); largest known number for NA. Ring-necked Duck: scarce with only two reports, 8 Oct. (1) RL (MCW) and 24 Oct. (6) BL (HEP).

*Vultures-Cuckoos:* Turkey Vulture: 27 Oct. (27) CV (RTH). Swallow-tailed Kite: 11 Aug. (1) over DN (HAH, EM), third NA record. (see "Round Table" note, this issue). Broad-winged Hawk: 28 Sept (94) in one flight over JT (JR). Peregrine Falcon: 12 Sept. (1) perched WSM-TV (JP). Ruffed Grouse: 19 Oct. (1) FCF (AJ). Sandhill Crane: 21 Oct. approx. (10) BT (RH). American Coot: 1 Aug. (1) BL (HEP), 1 Sept. (1) to end of period (200) RL (MCW). Killdeer: seem to be very scarce NA (HEP). American Woodcock: 16 Oct. (1) CV (RTH). Spotted Sandpiper: 1 Aug. CL (MCW) to 23 Sept. (1) BL (HEP). Solitary Sandpiper: 30 July (5) CL (MCW) to 29 Sept. (3) CV (RTH). Least Sandpiper: 1 Aug. (1) CL (MCW), only report. Yellow-billed Cuckoo: 1 Oct. (1) RL (MCW). Black-billed Cuckoo: 28 Sept. (1) RL (MCW), 9 Oct. (1) CV (RTH).

*Owls-Vireos:* Saw-whet Owl: 28 Oct. (1) TJ (HEP), third NA record. Common Nighthawk: 5 Sept. migrating flight (250) RL (MCW). Chimney Swift: last, 22 Oct. (1) (HCM). Red-headed Woodpecker: several Oct. reports of immatures SHV. Yellow-bellied Sapsucker: 28 Sept. (2) FV (JOE). Eastern Kingbird: 7, 8, 10 Oct. (2) WB (HB). Yellow-bellied Flycatcher: 6 Sept. (1) banded BS (KAG). Least Flycatcher: 28 Aug. (1) banded BS (KAG). Eastern Wood Pewee: 11 Oct. (1) HEP). Olive-sided Flycatcher: 1 Sept. (1) SHV (KAG). Swallows: Bank (4), Barn (50), and Cliff (2), all 31 Aug. SHV (MLB). Purple Martin: last report, 14 Aug. (22) RR (SB). Red-breasted Nuthatch: 28 Sept. (1) BV (LOT, HEP), then several reports in Oct. House Wren: 24 Sept. (2) (FM). Winter Wren: 26 Oct. (1) (LOT). Catbird: last, 13 Oct. (1) RL (MCW). Swainson's Thrush: 6 Sept. (1) BS (MLB), to 29 Oct. (1) (CWF). Gray-checked Thrush: 15 Sept. (1) BS (KAG). Veery: first, 7 Sept. (1) BS (KAG). Ruby-crowned Kinglet: 17 Oct. (1) (FM). Cedar Waxwing: quite an invasion with several reports of large flocks in Oct. NA. Red-eyed Vireo: 24 Oct. (1), a casualty WSM-TV (ARL). Philadelphia Vireo: 16 Sept. (1) BS (KAG).

*Warblers:* Worm-eating: last report, 6 Sept. (1) BS (KAG). Golden-winged: 13 Sept. (1) (CWF). Blue-winged: 14 Oct. (1) RL (MCW), 10 days latest ever NA. Tennessee: 14 Sept. (1) BS (KAG), to 31 Oct. (1) (CWF). Nashville: 27 Sept. (1) BS (KAG). Magnolia: 4 Sept. (1) (MLB). Cape May: 6 Sept. (1) WSIX-TV, 25-26 Sept. (2) WSM-TV, both casualties (ARL), second and third fall records NA. Myrtle: 28 Sept. (2) RL (MCW) to (100 plus) there by end of period. Black-throated Green: 13 Sept. (1) BS (KAG) to 31 Oct. (1) (CWF). Blackburnian: 29 Sept: (1) BS (KAG) to 23 Oct. (1) RL (MCW). Yellow-throated: no reports after 14 July (1)

(MLB). Chestnut-sided: first, 14 Sept. (1) BS (KAG). Bay-breasted: from 15 Sept. (1) BS (KAG) to 22 Oct. (1) RL (MCW). Prairie: 13 Oct. (1) (LOT), 8 days latest ever and second Oct. record NA. Ovenbird: 25-26 Sept. well over (1800) killed WSM-TV tower! Northern Waterthrush: 25 Aug. (1) banded BS (KAG) to 12 Oct. (1) TJ (HEP). Yellowthroat: last, 16 Oct. (1) (MCW). Wilson's: first, 14 Sept. (1) BS (KAG).

*Orioles-Sparrows*: Orchard Oriole: 4 Sept. (1) (MLB), second Sept. NA record. Rusty Blackbird: 20 Oct. (2) (JOE) 7 days earliest for NA. Scarlet Tanager: 18 Oct. (1) BS (KAG). Summer Tanager: 12 Oct. (1) CV (RTH). Rose-breasted Grosbeak: 2 Sept. (1) TJ (MLB) 3 days earliest ever NA; then 5 Sept. (1) RL and (2) TJ (MLB). Blue Grosbeak: 1 Sept. (1) SHV, 5 Sept. (2) RL, both (MLB); 19 Sept. (5) RL (MCW), 4 days latest NA. Indigo Bunting: believed to be scarce NA (HEP). Purple Finch: a few late Oct. reports of small numbers NA. Vesper Sparrow: 26 Sept. (1) (HH) *fide* (ARL), 9 days earliest for fall NA; 3 Nov. (10) CT (AFG, LOT, HEP). Slate-colored Junco: late, with first report 20 Oct. (1) BS (KAG). White-crowned Sparrow: 11 Oct. (1), 12 Oct. (2) both (HH). White-throated Sparrow: 5 Oct. (2) (MCW), 10 Oct. (1) CV (RTH). Swamp Sparrow: 24 Sept. (2) (FM), 2 days earliest ever NA.

*Locations*: BL—Bush Lake, BS—Basin Springs, BT—Byrdstown, BV—Bellevue, CL—Coleman's Lake, CT—Centerville, CV—Cookeville, DN—Donelson, FCF—Falls Creek Falls Park, FV—Fernvale, LA—Lake Anne, Woodbury, NA—Nashville Area, NH—Narrows of the Harpeth River, PBP—Pennington Bend Pond area, RL—Radnor Lake, RR—River Road, Nashville, SHV—South Harpeth Valley, TJ—Two Jays Sanctuary, WB—Woodbury, WSIX-TV—949 ft. tower, WSM-TV—1369 ft. tower.

*Observers*: HB—Mr. and Mrs. Hoyt Bryson, MLB—Mike Bierly, SB—Sue Bell, ECC—Elizabeth Collins, JOE—John O. Ellis, CWF—Clara Fentress, AFG—Albert F. Ganier, KAG—Katherine A. Goodpasture, HAH—Mr. and Mrs. H. A. Hatcher, RTH—Roy T. Hinds, HH—Helen Hodgson, RH—Robbie Hassler, AJ—Amy Johnson, ARL—Amelia R. Laskey, MM—Margaret Mann, HCM—Harry C. Monk, EM—Mr. and Mrs. Euclid Moore, FM—Fanny Murphy, HEP—Henry E. Parmer, JP—Jimmy Parrish, JR—Jennie Riggs, LOT—Lawrence O. Trabue, MCW—Mary C. Wood.

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*EASTERN RIDGE AND VALLEY REGION—Loons-Geese*: Common Loon: 25 Oct. (7) BL (WC), 29 Oct. (1) BWP (KD), 30 Oct. (2) NL (JCH). Horned Grebe: 23 Oct. (1) SHL (WC, JW). Pied-billed Grebe: regular through period, Chattanooga, max. 22 Oct. (23) TRG (KD), first in Bristol area 11 Sept. (1) SHL (WC, RB), first in Johnson City area 17 Sept. (1) BL (CRS). Double-crested Cormorant: 27 Oct. (2) HRA (JTT). Great Blue Heron: scattered reports of small numbers through area and period. Green Heron: regular in all areas until Sept., last in Johnson City area 29 Sept. (1) BL (HD), in Chattanooga 13 Oct. (2) SB (JD). Little Blue Heron: 5 Aug. (15), 17 Sept. (1) HRA (KD). Cattle Egret: 2 Sept. (1) HRA (KD). Black-crowned Night Heron: 25 Aug. (2) M (TK). Yellow-crowned Night Heron: 5 Aug. (1) HRA (KD). Least Bittern: 26 Aug. (1) K (BL). Ameri-

can Bittern: 15 Oct. (1), 27 Oct. (1) HRA (KD). Ibis (species): 18 Sept. (1) SB (KD) (Since this bird could conceivably have been a White-Faced Ibis rather than the more likely Glossy Ibis, the observer did not claim a positive identification). Canada Goose: first, 13 Sept. (40) CL (FO), max. 27 Oct. (2,500) HRA (KOS, COS). Blue Goose: through period (1) K (JE), present for over a year and presumably injured, 15 Oct. (3) 29 Oct. (15) HRA (KD).

*Ducks-Vultures:* Mallard: firsts, 29 Sept. (1) K (KOS), 18 Oct. (9) PHL (CRS), 23 Oct. (4) SHL (WC, JW), 27 Oct. (50) HRA (KOS, COS). Black Duck: 22 Sept. (2) MHL (FA, JA, JMC, RME), 24 Sept. (1) HRA (KD), 23 Oct. (57) SHL (WC, JW), 27 Oct. (80) HRA (KOS, COS). Gadwall: firsts, 7 Oct. (6) HRA (KD), 25 Oct. (3) PHL (WC, DGD). Pintail: firsts, 10 Oct. (1) HRA (KD), 11 Oct. (1) SHL (WC, JW). Blue-winged Teal: firsts, 16 Aug. (4) SB (KD), 18 Aug. (15) K (BL), 2 Sept. (3) SHL (WC, DM). American Widgeon: first, 30 Sept. (7) HRA (KD), max. 23 Oct. (142) SHL (WC, JW). Wood Duck: through period and area, max. 17 Sept. (375) HRA (KD). Ring-necked Duck: 28 Aug. (1) CL (FO), 8 Oct. (1) TRG (KD), 25 Oct. (5) BL (WC, DGD). Lesser Scaup: 21 Oct. (3) ChL (KD), 23 Oct. (86) SHL (WC, JW), 25 Oct. (5) BL (WC, DGD). Common Goldeneye: 27 Oct. (17) BWP (JD). Bufflehead: regular to 12 Aug. (1) HRA (KD), 26 Oct. (2) HRA (KD). Ruddy Duck: 23 Oct. (1) SHL (WC, JW), 31 Oct. (3) SHL (WC, DM). Hooded Merganser: 26 Oct. (1) HCP (JD). Turkey Vulture: 21 Sept. (11) G (RH), 29 Sept. (1) K (KOS). Black Vulture: 21 Sept. (7) G (RH), 25 Oct. (5) SHL (WC, DGD).

*Hawks-Plovers:* Sharp-shinned Hawk: 29 Sept. (1) K (JMC, RME, JBO), 5 Oct. (2) K (FA, JMC, GW), 25 Oct. (1) SHL (WC, DGD). Cooper's Hawk: 29 Aug. (1) G (RN), 29 Sept. (1) G (RH), 19 Oct. (1) G (WC). Red-tailed Hawk: very small numbers in scattered areas of region. Broad-winged Hawk: to be reported in annual hawk count in *The Migrant*. Rough-legged Hawk: 27 Oct. (1) D (JD, FO). Bald Eagle: 16 Aug., 25 Aug. (1) NL (JCH). Marsh Hawk: first, 24 Sept. and through period (1) HRA (KD); 29 Sept. (1) K (KOS). Osprey: 29 Sept. (1) NR (LRH, DB), 29 Sept. (3) FLL (JMC), 11 Oct. (2) SHL (WC, JW), 17 Oct. (1) B (WC), 25 Oct. (1) SHL (WC, DGD); regular through period (1) HRA (WiC *vide* KD). Peregrine Falcon: 30 Oct. (1) SHL (WC, DGD). Ruffed Grouse: 22 Sept. (1) G (RN). Ring-necked Pheasant: present through period at HRA, max. 30 Sept. (6) (KD). Sandhill Crane: 21 Oct. (3) SB (KD), 23 Oct. (41) Ma (BW, IW). Sora: 9 Sept. (1) G (RN), 17 Sept. (1) AS (WC, CRS), 29 Sept. (1) K (HO). American Coot: firsts, 24 Sept. (100) HCP (GWW *vide* KD), 29 Sept. (1) K (HO), 11 Oct. (29) SHL (WC, JW), 28 Oct. (201) BL (HD, GD), max. 23 Oct. (668) SHL (WC, JW). Semipalmated Plover: 2 Sept. (1) SHL (WC, DM), 16 Sept. (1) SHL (WC), 6 Aug. (1) HRA (KD). American Golden Plover: 27 Oct. (1) HRA (FA, BW, IW). Black-bellied Plover: 7 Sept. (1) CkL (TK), 20 Oct. (1) HRA (BB, ML, RS).

*Woodcock-Terns:* American Woodcock: 17 Sept. (1) AS (WC, CRS), 29 Sept. (1) K (KOS). Common Snipe: firsts, 18 Sept. (1) SB (KD), 29 Sept. (2) K (JMC, RME). Spotted Sandpiper: present from start of period in most

areas; last dates, 2 Oct. (1) SB (KD), 7 Oct. (2) SHL (WC, DGD). Solitary Sandpiper: 5 Aug. (1) SHL (WC), 10 Aug. (1) M (TK), 26 Aug. (1) K (BL), 29 Sept. (1) K (JMC, RME). Greater Yellowlegs: (1 to 5) present at HRA until 29 Oct. (KD), 2 Sept. (3) SHL (WC, DM), 9 Sept. (1) AS (CRS), 29 Sept. (1) K (KOS). Lesser Yellowlegs: 10 Aug. (1) M (TK), 16 Aug. (8) HRA (ID), 9 Sept. and 15 Sept. (1) and (2) AS (CRS), 21 Sept. (1) G (RH), 29 Sept. (1) K (KOS). Pectoral Sandpiper: through period at HRA, max. 6 Aug. (75) (KD), others, 4 Aug. (1) M (TK), 9 Sept. (5) AS (CRS), 21 Sept. (3) G (RH), 29 Sept. (1) K (KOS). Least Sandpiper: 4 Aug. (1) M (TK), 5 Aug. (1) SHL (WC), 21 Sept. (3) CkL (RH), 30 Sept. (60) HRA (KD), 7 Oct. (2) SHL (WC, DGD). Dunlin: 7 Oct. (1) SHL (WC, DGD), 13 Oct. (2) SB (JD). Semipalmated Sandpiper: 5 Aug. (1) HRA (KD), 5 Aug. (1) SHL (WC), 26 Aug. (3) HRA (KD), 2 Sept. (2) SHL (WC, DM), 21 and 28 Sept. (2 and 1) CkL (RH). Sanderling: 2 Sept. (2) HRA (KD). American Avocet: 29 Oct. (1) HRA (KD), 30 Oct. (1) HRA (BB, ML, RS) (This bird was the first local record). Herring Gull: 29 Oct. (4) SHL (WC, DM). Ring-billed Gull: 23 Oct. (3) SHL (WC, JW), 26 Oct. (3) HRA (KD), 28 Oct. (4) BL (CRS). Bonaparte's Gull: 20 Oct. (8) NL (JCH). Forster's Tern: 2 Sept. (20) HRA (KD), 29 Sept. (1) K (JTT). Common Tern: 2 Sept. (30) SHL (WC, DM), 2 Sept. (40) HRA (JD, KD). Least Tern: 25, 26 Aug. (1) SB (KD). Caspian Tern: 2 Sept. (1) HRA (JD). Black Tern: 14 Aug. (17) SB (KD), 2 Sept. (2) HRA (KD).

*Cuckoos-Swallows*: Yellow-billed Cuckoo: last records, 11 Sept. (1) SHL (WC, RB) 29 Sept. (15) K (KOS), 2 Oct. (1) PP (KD). Black-billed Cuckoo: 21 Sept. (1) G (RH). Barn Owl: through period (1-2) AM (KD), through period (1-2) JC, 16 Oct. (1) G (RN), 20 Oct. (1) NL (JCH). Great Horned Owl: 7 Sept. and 12 Oct. (1) NL (JCH), 29 Sept. (4) K (KOS). Barred Owl: (1-2) on the following dates: 16 Aug., 7, 11, 14, 21 Sept., 12, 13, 20 Oct. NL (JCH). Chuck-will's widow: last records, 12 Aug. (1) SB (KD), 19 Aug. (1) G (RN). Whip-poor-will: last records, 7 Aug. (1) JC (DB), 23 Aug. (1) HRA (KD). Common Nighthawk: 2 Sept. (400) B (WC), 2 Sept. (1000) G (RSp); last, 20 Sept. (20) G (RH), 25 Sept. (2) SB (KD). Chimney Swift: last records, 7 Oct. (4) SHL (WC, DGD), 14 Oct. (3) Col. (ML). Ruby-throated Hummingbird: last records, 22 Sept. (1) JC (CRS), 29 Sept. (1) K (KOS), 1 Oct. (1) Col (ML). Yellow-bellied Sapsucker: firsts, 25 Sept. (1) HB (RS), 29 Sept. (12) K (KOS), 30 Sept. (2) SHL (WC, DGD). Eastern Kingbird: last records, 9 Sept. (5) SHL (WC, DGD), 9 Sept. (15) (KD), 17 Sept. (4) AS (WC, CRS), 29 Sept. (1) K (FA, JCH). Great Crested Flycatcher: last records, 9 Sept. (1) SHL (WC), 17 Sept. (1) HRA (KD), 29 Sept. (35) K (KOS). Eastern Wood Pewee: last records 5 Oct. (2) SHL (WC, CO), 13 Oct. (1) N (FO). Olive-sided Flycatcher: 21 Sept. (1) Col (ML). Tree Swallow: 11 Aug. (2) NR (TK), 20 Aug. (2) HRA (KD), 17 Sept. (10) HRA (KD), 7 Oct. (3) SHL (WC, DGD). Bank Swallow: 4, 11, 25 Aug. (200, 25, 100) NR (JK), 2 Sept. (15) HRA (JD), 8 Sept. (1) SM (JD), 24 Sept. (1) HRA (KD). Cliff Swallow: 11, 30 Aug. (3, 50) NR (TK).

*Martin-Vireos*: Purple Martin: large concentration from 26 July through 15 Sept., peak of (approx. 10,000) 26 Aug. OR (BW, JM, CMW), last Chattanooga area, 17 Sept. (1) HRA (KD). Red-breasted Nuthatch: first, 25 Aug.

(2) C (JD), 7 Sept. (12) K (JE), 29 Oct. (2) SHL (WC, DM) (Regular in most areas since). Brown Creeper: first, 29 Sept. (3) K (KOS), 23 Oct. (1) B (DGD), 25 Oct. (1) JC (HD, GD), regular since. House Wren: 29 Sept. (1) K (KOS), 5 Oct. (1) K (JMC), 18 Oct. (1) Col. (ML). Winter Wren: firsts, 21 Sept. (2) Col (ML), 30 Sept. (1) K (MS), 22 Oct. (1) B (DGD). Long-billed Marsh Wren: 27 Oct. (1) HRA (BB, RHu). Short-billed Marsh Wren: 12 Aug. (1) G (RN), 29 Sept. (1) K (JMC). Catbird: last records, 1 Oct. (1) Col (ML), 7 Oct. (3) SHL (WC, DGD), 20 Oct. (1) N (FO). Wood Thrush: last records, 12 Oct. (1) N (FO), 20 Oct. (1) PP (KD). Hermit Thrush: firsts, 14 Oct. (1) K (MS), 22 Oct. (2) BC (DGD). Swainson's Thrush: firsts, 7 Sept. (1) JC (WAB), 18 Sept. (4) SHL (WC), 21 Sept. (3) Col (ML); last records, 6 Oct. (1) SHL (WC), 8 Oct. (1) Col (ML), 27 Oct. (1) K (MS). Gray-cheeked Thrush: 29 Sept. (5) K (KOS), 17 Oct. (1) JC (WAB). Blue-gray Gnatcatcher: last 15 Sept. (1) N (FO), 25 Sept. (1) PP (KD). Golden-crowned Kinglet: firsts, 20 Oct. (1) K (MS), 21 Oct. (1) BWP (KD), 23 Oct. (25) B (DGD). Ruby-crowned Kinglet: firsts, 21 Sept. (1) Col (ML), 29 Sept. (31) K (KOS), 6 Oct. (1) SHL (WC). White-eyed Vireo: last records, 25 Sept. (1) Col (ML), 29 Sept. (15) K (KOS). Yellow-throated Vireo: Last records, 28 Sept. (1) PP (KD), 5 Oct. (3) K (JMC, RME). Solitary Vireo: 21 Sept. (1) Col (RS), 29 Sept. (2) K (JMC), 5 Oct. (2) K (FA, JMC, RME), 23 and 26 Oct. (1) K (MS). Red-eyed Vireo: last records, 28 Sept. (1) PP (KD), 29 Sept. (8) K (KOS). Philadelphia Vireo: 29 Sept. (2) K (JMC, RME, JBO).

*Warblers:* Black-and-white: last records, 29 Sept. (8) (KOS), 8 Oct. (1) Col (ML). Prothonotary: 6 Sept. (1) K (MS). Golden-winged: last, 19 Sept. (1) C (KD). Blue-winged: 28 Aug. (1) K (MS), 15 Sept. (2) Col (ML). Brewster's: 21 Oct. (1) K (MS). Tennessee: 8 Sept. through 9 Oct. (1 to 6) E (DB, LRH), 29 Sept. (118) K (KOS). Nashville: 29 Sept. (4) K (KOS). Parula: 14 Sept. (1) G (RH), 29 Sept. (1) K (KOS). Magnolia: firsts, 5 Sept. (1) B (DM), 5 Sept. (1) Col (RS), max. 29 Sept. (106) K (KOS), last, 14 Oct. (5) Col (ML). Cape May: 29 Sept. (2) K (KOS), 5 Oct. (4) K (JMC), 12 Oct. (1) N (FO). Black-throated Blue: 21 Sept. (1) Col (ML), 29 Sept. (1) K (KOS). Myrtle: firsts, 14 Sept. (1) G (RN), 15 Sept. (1) Col (ML), 27 Sept. (1) B (DM). Cerulean: 15 Aug. (1) N (FO). Black-throated Green: first, 8 Sept. (1) K (MS), max. 29 Sept. (23) K (KOS); last, 20 Oct. (1) K (MS). Blackburnian: firsts, 12 Sept. (1) K (MS), 19 Sept. (2) C (KD), last, 29 Sept. (10) (KOS). Yellow-throated: 21 Sept. (2) Col (ML), 29 Sept. (2) K (KOS), 12 Oct. (1) N (FO). Chestnut-sided: first, 26 Aug. (1) K (MS), 11 Sept. (1) BC (DM), max. 29 Sept. (25) K (KOS), last 13 Oct. (1) N (FO). Bay-breasted: first, 10 Sept. (1) K (MS), max., 29 Sept. (37) K (KOS), last, 14 Oct. (30) Col (ML). Pine: 29 Sept. (5) K (KOS), 5, 12 Oct. (1) N (FO). Prairie: last, 19 Oct. (1) K (MS). Palm: 29 Sept. (21) K (KOS); last records, 9 Oct. (1) E (HD), 14 Oct. (1) G (RN). Ovenbird: last, 8 Oct. (1) K (MS). Northern Waterthrush: 25-28 Sept. (7 banded) Col (ML). Kentucky: last, 21 Sept. (1) Col (ML). Connecticut: 9 Oct. (1) E (HD). Yellowthroat: last records, 7 Oct. (1) SHL (WC, DGD), 14 Oct. (2) Col (ML). Yellow-breasted Chat: last records, 21 Sept. (1) Col (RS), 29 Sept. (2) K (KOS). Hooded: last records, 8 Oct. (1) Col. (ML), 13 Oct. (1) K (MS). Wilson's: 15 Sept. (1) N (FO), 20, 21 25 Sept. (1, 1, 6) Col (ML, RS), 4 Oct. (1) K (HO), 12 Oct. (1)

N (FO). Canada: 17 Aug. (1) K (MS), 21 Sept. (1) Col (ML). Redstart: last records, 19 Sept. (1) C (KD), 26 Sept. (1) B (DM), 29 Sept. (39) K (KOS), 9 Oct. (1) E (HD).

*Bobolink-Sparrows*: Bobolink: 2 Sept. (12) G (RN), 29 Sept. (1) K (KOS). Orchard Oriole: last, 28 Aug. (1) SB (JWa). Baltimore Oriole: 19 Sept. (1) C (KD), 21 Sept. (1) B (DM). Rusty Blackbird: 27 Oct. (1) Col (RS). Scarlet Tanager: 14 Sept. (2) N (FO), 29 Sept. (5) K (KOS), last 14 Oct. (1) N (FO). Summer Tanager: last records, 13 Oct. (1) N (FO), 19 Oct. (1) K (MS), 20 Oct. (1) PP (KD). Rose-breasted Grosbeak: first, 17 Sept. (1) HRA (KD); max., 29 Sept. (105) K (KOS); last, 24 Oct. (1) K (MS). Blue Grosbeak: 26 Aug. (1 singing) K (BL); last, 29 Sept. (4) K (KOS). Indigo Bunting: last 13 Oct. (1) C (RTB). Purple Finch: firsts, 19 Oct. (1) K (NC), 21 Oct. (1) SB (KD), 23 Oct. (1) N (FO), 25 Oct. (14) SHL (WC, DGD). Pine Siskin: 18 Sept. (2) Col (RS). Savannah Sparrow: firsts, 15 Sept. (1) AS (CRS), 16 Sept. (1) SHL (WC), 21 Sept. (6) G (RH), 29 Sept. (23) K (KOS), 20 Oct. (1) SB (KD). Grasshopper Sparrow: 25 Aug. (1) SB (KD). Vesper Sparrow: 21 Sept. (5) Col (ML), 31 Oct. (1) SHL (WC, DM). Slate-colored Junco: firsts, 22 Oct. (1) TRG (KD), 23 Oct. (7) SHL (WC, JW), 24 Oct. (1) K (MS), 24 Oct. (1) E (HD). Chipping Sparrows: last records, 6 Oct. (1) SHL (WC), 20 Oct. (12) K (JMC, FA, GW). White-crowned Sparrow: firsts, 15 Oct. (2) G (ED), 25 Oct. (1) SHL (WC, DGD), 26 Oct. (1) Col (ML). White-throated Sparrow: first, 30 Sept. (1) K (MS). Fox Sparrow: first, 27 Oct. (2) HRA (BB, RHu). Lincoln's Sparrow: 7 Oct. (3) SHL (WC, DGD). Swamp Sparrow: first, 2 Oct. (1) SB (KD).

*Locations*: AS—Austin Springs, B—Bristol, BWP—Booker T. Washington State Park, BL—Boone Lake, C—Chattanooga, CkL—Cherokee Lake, ChL—Chickamauga Lake, Col—Collegedale, CL—Cove Lake, D—Decatur, E—Elizabethton, FLL—Fort Loudon Lake, G—Greeneville, HCP—Hamilton County Park, H—Harrison Bay, HRA—Hiwassee River Area, JC—Johnson City, K—Knoxville, Ma—Maryville, MHL—Melton Hill Lake, M—Morristown, NR—Nolichucky River, N—Norris, NL—Norris Lake, OR—Oak Ridge, PHL—Patrick Henry Lake, PP—Point Park, SB—Savannah Bay, SM—Signal Mountain, SHL—South Holston Lake, TRG—Tenn. River Gorge.

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**EASTERN MOUNTAIN REGION—*Heron-Nuthatches:*** Green Heron: 3-4 Aug. (2) CC (FA). Canada Goose: 31 Oct. (20) MC (LRH). Lesser Scaup: one male and female throughout period WiL (CRS). Sharp-shinned Hawk: 4 Aug. (1) RM, 7 Sept. (1) HM (CRS). Turkey Vulture: 8 Aug. (1) HW 70 (RH); 25 Aug. (1) CC (JMC). Cooper's Hawk: 16 Aug. (1) GY (FA); 7 Sept. (1) HM (CRS). Red-tailed Hawk: 7 Sept. (4) HM (CRS); 8 Aug. (1) TF (FA); 21 Aug. (1) HW 70 (RH). Marsh Hawk: 7 Sept. (1) HM (CRS). Osprey: 19 Sept. (3) WL (CRS). Ruffed Grouse: 1-2 through period, E (CRS). Sandhill Crane: 23 Oct. (27) CO, first record for GSMNP(HO). Pectoral Sandpiper: 19 Sept. (2) RC (CRS). Semipalmated Sandpiper: 19 Sept. (2) RC (CRS). Common Nighthawk: flight of (206) over MC 2 Sept. (CRS). Chimney Swift: last 8 Oct. (200) MC (CRS). Red-bellied Woodpecker: 3 Aug. (1) CC (FA). Yellow-bellied Sapsucker: first 7 Oct. MC (CRS). Acadian Flycatcher: 8 Sept. (1) SV (KD, CRS). Cliff Swallow: 27 Aug. (9) HM (CRS). Purple Martin: last 10 Aug. (3) E (LRH, LH). Common Raven: 1-3 throughout period on RM (FB). White-breasted Nuthatch: 25 Aug. (1) CC (JMC). Red-breasted Nuthatch: numbers increasing on RM with (20) on 20 Oct. and (60) on 22 Oct. (FB).

***Kinglets-Sparrows:*** Golden-crowned Kinglet: at lower elevations 22 Oct. E (FB). Ruby-crowned Kinglet: first 29 Sept. (1) E (FB). Tennessee Warbler: 8 Sept.-9 Oct. (1-6) E (CRS); 5 Oct. (1) HCA (RH). Nashville Warbler: 28 Aug. (1) MC (LH); 16 Sept. (1) banded at MC (CRS). Magnolia Warbler: 5 Oct. (1) HCA (RH). Cape May Warbler: 7 Sept. (4), 29 Sept. (1) EGC. (LH). Yellow-throated Warbler: 28 Aug. (1), 4-15 Sept. (1) EGC (LH). Pine Warbler: 26 Sept. (25) MC (HD, GD). Prairie Warbler: 5 Oct. (1) HCA (RH); last 7 Oct. (10) EGC (LH). Palm Warbler: 14-23 Sept. (2) EGC (LRH, LH). Louisiana Waterthrush: last 8 Sept. (1) SV (KD, CRS). Connecticut Warbler: 7 Oct. (1) EGC (LH). Mourning Warbler: (1) banded at MC 12 Sept. (CRS). Wilson's Warbler: 11-12 Sept. (one each date) banded at MC (CRS). Northern Waterthrush: only record 29 Sept. (1) MC (CRS). Bobolink: 29 Sept. (1) MC (CRS). Orchard Oriole: last 4 Sept. EGC (LH). Baltimore Oriole: last 4 Sept. (2) EGC (LH); 25 Aug. (1) CC (JMC). Pine Siskin: first 20 Oct. (12) RM (FB). White-crowned Sparrow: first 30 Sept. (1) EGC (LH). Lincoln's Sparrow: 29 Sept. (1) MC (CRS).

***Locations:*** CC—Cades Cove Great Smoky Mountain National Park, CO—Cherokee Blouvard Great Smoky Mountain National Park, EGC—Elizabethton Golf Course, E—Elizabethton, GY—Gypville, HCA—Houston Creek Recreation Area, HM—Hump Mountain; HW—Highway 70, MC—Milligan College, RC—Roan Creek; RM—Roan Mountain, SH—Shady Valley, TF—Tremont Forks Great Smoky Mountain National Park, WL—Watauga Lake, WiL—Wilbur Lake.

***Observers:*** FA—Fred Alsop, FB—Fred W. Behrend, JMC—James M. Campbell, HD—Mrs. Harold Dillenbeck, GD—Mrs. George Dove, KD—Ken Dubke, LH—Mrs. Lois Herndon, LRH—Lee R. Herndon, RH—Robert Holt, HO—Mrs. Holly Overton, CRS—Charles R. Smith.

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The purpose of *The Migrant* is the recording of observations and original information derived from the study of birds, primarily in the state of Tennessee or the area immediately adjacent to its borders. Articles for publication originate almost exclusively from T.O.S. members.

Contributors should prepare manuscripts and submit them in a form acceptable to the printer, after editorial approval. Both articles and short notes are solicited but their format should be somewhat different.

Some suggestions to authors for the preparation of papers for publication are given herewith.

**MATERIAL:** The subject matter should relate to some phase of Tennessee Ornithology. It should be original, factual, concise, scientifically accurate, and not submitted for publication elsewhere.

**TITLE:** The title should be concise, specific, and descriptive.

**STYLE:** Recent issues of *The Migrant* should be used as a guide in the preparation of manuscripts. Where more detail is needed reference should be made to the *Style Manual for Biological Journals* available from the American Institute of Biological Sciences, 3900 Wisconsin Avenue N.W., Washington, D. C. 20016.

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**NOMENCLATURE:** Common names should be capitalized followed by binomial scientific name in italics only after the first occurrence in the text for both regular articles and "Round Table Notes", and should conform to the A.O.U. Check-list 5th edition, 1957. Trinomial should be used only after the specimen has been measured or compared with typical specimens.

**BIBLIOGRAPHY:** When there are more than five references in an article, they should be placed at the end of the article, otherwise they should be appropriately included in the text.

**SUMMARY:** Articles of five or more pages in length should be summarized briefly, drawing attention to the main conclusions resulting from the work performed.

**IDENTIFICATION:** Rare or unusual species identification to be acceptable must be accompanied by verifying evidence. This should include: date, time, light and weather conditions, exact location, habitat, optical equipment, distance, behavior of bird, comparison with other similar species, characteristic markings, experience of observer, other observers verifying observation and reference works consulted.

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