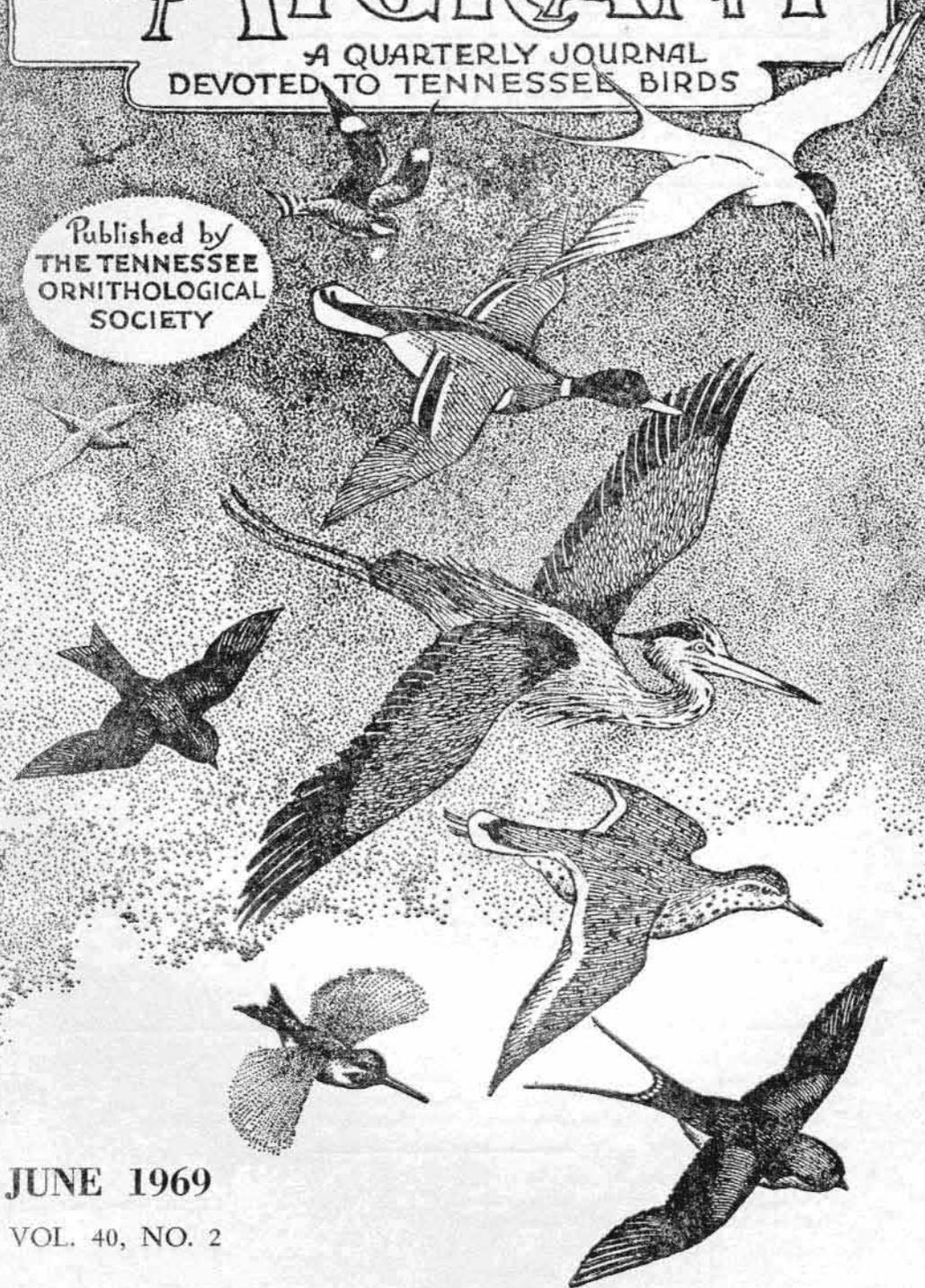


# THE MIGRANT

A QUARTERLY JOURNAL  
DEVOTED TO TENNESSEE BIRDS

Published by  
THE TENNESSEE  
ORNITHOLOGICAL  
SOCIETY



JUNE 1969

VOL. 40, NO. 2

# THE MIGRANT

A QUARTERLY JOURNAL OF ORNITHOLOGY

FIRST PUBLISHED, JUNE 1930

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PUBLISHED BY

THE TENNESSEE ORNITHOLOGICAL SOCIETY

Founded at Nashville, Tenn., 7 October 1915

A non-profit, educational, scientific, and conservation organization.

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	Rt. 6, Elizabethton, Tenn. 37643
ASSISTANT EDITOR.....	CHARLES R. SMITH
	Rt. 2, Johnson City, Tenn. 37601
"STATE COUNT COMPILER".....	JON DeVORE
	4922 Sarasota Dr., Hixson, Tenn. 37343

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Published quarterly (March, June, September, and December). Printed by The King Printing Company, 509-511 Shelby Street, Bristol, Tennessee 37620, U.S.A. Postage paid and mailed at Elizabethton, Tennessee 37643, U.S.A.

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Published by the Tennessee Ornithological Society,  
to Record and Encourage the Study of Birds in Tennessee.  
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## T.V. TOWER CASUALTIES AT NASHVILLE IN AUTUMN 1968

BY AMELIA R. LASKEY

Casualties collected in autumn 1968 at WSIX and WSM TV towers in Nashville totaled 5,734 birds of 78 species. Daily coverage at WSM from late August through 8 Nov. yielded 5,537 of 73 species. The greater number of these fell on the night of 25-26 Sept., 5,408 of 62 species. At WSIX it was not possible to give complete daily coverage; therefore, the total of 197 birds of 39 species does not represent the total number of casualties there.

The heavy kill of 5,408 at WSM followed a cold front passing through 25 Sept., with overcast, some precipitation, a drop in temperature, and winds that shifted from southwest to north. Birds were strewn south and east of the tower and cables for hundreds of feet on the parking concrete, driveway, and lawns, into the woods and brush. Many were injured or temporarily stunned. Several persons worked for hours collecting, but it is certain that all were not found in the heavy undergrowth. Of special note are the observations of Phil A. Murphree of WSM who reported that when he came on duty at midnight, no casualties were visible, but at 2:00 a.m. many dead birds were seen.

Warblers suffered the heaviest losses—4,857 of 30 species, 81% of the total for that night. There were 1,847 Ovenbirds, 808 Tennessee Warblers, 777 Magnolia Warblers, 329 Chestnut-sided Warblers, and 311 Blackpoll Warblers. Otherwise, the casualty list for the season was light. The largest numbers for a night occurred 24-25 Sept. with 31 and 10-11 Oct. with 36. Northerly winds, overcast, and light precipitation were involved.

A heavy kill did not always follow every occurrence of this type of weather or surface fog. However, the height above ground at which the birds were traveling would doubtless have an effect on their attraction to surface lights and tall, lighted structures. A layer of clouds below their flight altitude would also serve to protect them from the distraction of bright lights.

In a report on tracking birds at night in migration, W. W. Cochran and Richard W. Graber state that migrating birds fly at heights of 1,000 to 10,000 feet, but that most of them fly between 3,000 and 8,000 feet. (1968 Ill. Nat. Hist. Survey Reports #69).

Radar observations will doubtless reveal answers to puzzling questions. In several years of radar studies of spring migration, I. C. T. Nisbett and William H. Drury have attained illuminating conclusions. They say: "With few exceptions, ground observers miss the densest movements seen on radar and the largest arrival of birds which they notice usually follow relatively sparse movements in disturbed weather. Usually, the observation of a large wave of arrivals means that migrants in the air have been stopped by a meteorological barrier—rain or fog, or a front or a change to unfavorable winds—and our data show that migration in fact tends to be sparse when there is a danger of such changes. This is the reason why previous studies have reported 'maximum migration' in tropical air ahead of cold fronts; they have not been recording maximum *migration* but maximum *interruption* to migration." (Weather and Migration, 1967. Mass. Aud.) It is hoped that a similar study will be conducted for autumn migration.

Among the casualties, a few records merit special note. A Cape May Warbler on 6 Sept. in very obscure plumage is a new extreme for early autumn arrival. A White-eyed Vireo and a Philadelphia Vireo of 24 Oct. are late departures. Two Connecticut Warblers of 26 Sept. are significant as this species has been rarely found in Nashville in autumn and these are the first found in the fall casualties. A White-crowned Sparrow of 20 Oct. (WSIX) is the third individual of this species found in 21 years of collecting at ceilometer and TV towers here.

The complete casualty list follows with WSIX preceding WSM. Species found only at WSM are preceded by an asterisk (\*):

Pied-billed Grebe \*4; Green Heron \*1; Virginia Rail 1; Sora \*3; Mourning Dove \*11; Yellow-billed Cuckoo 1; Black-billed Cuckoo \*1; Whip-poor-will \*6; Belted Kingfisher \*1; Yellow-shafted Flicker \*1; Yellow-bellied Sapsucker \*1; Yellow-bellied Flycatcher 1-6; Traill's Flycatcher 1-1; Least Flycatcher 1-3; E. Wood Pewee \*16; Brown Creeper \*1; House Wren \*2; Winter Wren 1-1; Long-billed Marsh Wren \*6; Catbird 8-58; Brown Thrasher \*1; Wood Thrush 1-10; Swainson's Thrush 8-20; Gray-cheeked Thrush 2-2; Veery 2-1; Golden-crowned Kinglet 1-4; Ruby-crowned Kinglet \*4.

White-eyed Vireo 1-24; Yellow-throated Vireo \*40; Solitary Vireo 1; Red-eyed Vireo 3-239; Philadelphia Vireo 2-23; Warbling Vireo 2; Black-and-white Warbler 6-312; Prothonotary Warbler \*3; Worm-eating Warbler \*5; Golden-winged Warbler \*6; Tennessee Warbler 35-824; Orange-crowned Warbler \*1; Nashville Warbler \*19; Parula Warbler 1-6; Yellow Warbler \*11; Magnolia Warbler 13-786; Cape May Warbler 1-2; Black-throated Blue Warbler \*6; Myrtle Warbler \*2; Black-throated Green Warbler 2-71; Cerulean Warbler \*2; Blackburnian Warbler 1-82; Yellow-throated Warbler \*2; Chestnut-sided Warbler 8-330; Bay-breasted Warbler 5-117; Blackpoll Warbler \*10.

Palm Warbler 1-36; Ovenbird 44-1822; Northern Waterthrush 11-91; Kentucky Warbler 1-41; Connecticut Warbler \*2; Mourning Warbler \*9; Yellowthroat 4-72; Yellow-breasted Chat 1-11; Hooded Warbler \*3; Wilson's Warbler \*1; Canada Warbler \*11; American Redstart 14-192; Bobolink 2-10; Baltimore Oriole 1-1; Scarlet Tanager 2-10; Summer Tanager \*2; Rose-breasted Grosbeak 4-44; Indigo Bunting 2-5; Dickcissel \*15; Savannah Spar-

row \*1; Slate-colored Junco \*1; Field Sparrow \*8; White-crowned Sparrow 1; White-throated Sparrow \*2; Song Sparrow \*1.

#### ACKNOWLEDGMENTS

Grateful acknowledgment is extended for their help to Clyde Anderson, Mr. and Mrs. W. E. Fentress, Katherine A. Goodpasture, H. C. Monk, H. E. Parmer, Jimmie Parrish; and to the personnel of WSM, especially P. A. Murphree and Mr. Henderson.

1521 Graybar Lane, Nashville 37215.

### THIRD ANNUAL TENNESSEE ORNITHOLOGICAL SYMPOSIUM

The third annual symposium will be held 25-26 October 1969, at Pete Smith's Watts-Bar Resort, Watts Bar Dam, Tennessee 37395. Reservations may be made by writing Pete Smith or by phoning 615-365-6638. The symposium is strictly informal and will commence Saturday, 1:00 p.m. EST and consist of discussions dealing with Tennessee birds and related subjects. Sunday will consist of a barge trip, compliments of the Tennessee Game and Fish Commission, to view the waterfowl concentrations on Hiwassee Island. Anyone wishing to be on the program may contact Kenneth H. Dubke, 3302 Navajo Drive, Chattanooga, Tennessee 37411, for further details.

## ANNUAL AUTUMN HAWK COUNT, 1968

BY THOMAS W. FINUCANE

The T.O.S. count of the September Broad-winged Hawk (*Buteo jamaicensis*) migration, 1968, totaled 24,036, a record count, with more than 99% of the flight passing between 12 and 24 Sept. This migration wave was bounded by two intervals of adverse weather and interrupted in the middle by several days of clouds and rain. The old record was 15,585 in 1959, and before that 10,998 in 1956. Totals for other species of hawks were; 217 in 1968; 301 in 1965; and 459 in 1959. Corresponding hours of observation were: 299; 157; and 327. There were no eagles and no Peregrine Falcons, but a Pigeon Hawk was reported by Robert Quillen.



The Mendota Fire Tower lookout had 13,164 hawks in 107 hrs. of observation, including 7,469 on 21 Sept.; the old T.O.S. record day's count was 4,985 at Elder Mt., 25 Sept., 1960. The Dunlap Fire Tower had a total of 3,668, the Gate City Tower had 3,625, all on 21 Sept.; the Rogersville-Kyles Ford Tower had 1,513, and the Bays High Spur Tower had 515. Three of these six lookouts—Dunlap, Gate City, and High Spur—had not previously been involved significantly in the T.O.S. project. The other three have usually been our most productive lookouts.

The Elder Mt. Fire Tower has been removed to make room for a new residential area. The tower was on the east edge of what is usually labeled Raccoon Mt., looking down on the Tennessee River where it flows north past Chattanooga. Beginning in 1954, when Gene and Adele West counted 36 hawks in migration there, this lookout has contributed a total of 18,357 Broad-winged Hawks. According to Jon DeVore, the Dunlap Fire Tower, first tested by the Wests, 21 Sept., should develop into an even better lookout than Elder was. Dunlap is 16 miles NNW of the old site and 600 ft. higher (2,367 vs. 1,750 ft.) on the west margin of Walden's Ridge overlooking Sequatchie Valley. The Chattanooga total for 1968, including three other stations besides Dunlap, was 4,356, the area's highest except for its 1960 count, which soared above 6,000. On the other hand, 4,356 is only 18% of the T.O.S. total for the 1968 fall migration. In 1956, '58, '60, '61, '63, and '64, Elder Mt. had higher percentages.

The Gate City Fire Tower is on the Clinch Mt. about 14 miles down range from the Mendota Fire Tower. The 3,623-hawk report, 21 Sept., at the Gate City Tower was only its second contribution to our Broad-winged Hawk data. On 17 Sept., 1960, Garland Ruth spent four hours there and recorded 70 hawks, while the count at Mendota was 165 in 8 hrs. The Gate City Tower is more difficult to get to. Joe Finucane and the writer hiked up the mountain, 21 Sept. arrived after 11 a.m., and counted 1,200 hawks in the first hour. Our object had been to compare the Gate City lookout with other stations on the Clinch Mt.: Haytor's Knob, Mendota, and Rogersville; we had hoped they all might have been active.

On 20 and 22 Sept., the counts at the Mendota lookout were 2,318 and 1,119. On the latter day, Ruth Nevius counted 1,113 in four hours at the

Rogersville Fire Tower, the only data from there during the three days of big migration, and uprange from Mendota, Haytor's Knob had 413. On the next two days Mendota had 672 and 144, for a five-day total of 11,722, between two periods of adverse weather.

The Bays High Spur tower was built in 1968. There is a good road running up to the tower from the south side of Heck Holler Road, which connects Routes 66 and 70, between Greeneville and Rogersville. Tom Odom recorded flights there of 104 and 413 on 15 and 21 Sept. On 15 Sept., McQueen's Knob and Holston High Knob had record counts: 73 in 3½ hrs. vs. a maximum of 48 in eight previous counts, and 150 in 7 hrs. after a maximum of 80 in 15 counts in previous years. Then on 21 Sept., McQueen's had 161 in seven hours. The uniformity of these (1958) counts on the two stations on the Holston Mountain is in sharp contrast with the data on High Spur, which, like Mendota, had considerably higher counts on 21 Sept.

The highest count made in the earlier migration period came on Monday, 16 Sept., with 677 hawks in nine hours at the Mendota Fire Tower. The wind was high and the sun was mostly obscured by clouds. From noon to 4:30 only four Broad-winged Hawks were recorded. In the final 2½ hrs., 624 hawks flew by, including 124 after 6 p.m. and nine after 6:30. The weather had improved the wind was down. Over the following three days the weather worsened, with rain on the 18th and 19th, and the count dropped to zero. Then on Friday, 20 Sept., the big migration started, with 2,300 recorded at the Mendota Fire Tower.

Weekend weather and participation were good. Six stations reported on Sunday, 15 Sept., the same number on the following Saturday, and eight on Sunday, 22 Sept. The Mendota Fire Tower had coverage every day, 13 to 24 Sept., rain or shine, and after two days of rain, 27, 28, and 29 Sept. It also had adequate early coverage, but we do not claim to have had the last part of the Broad-winged Hawk migration, which can be significant in early October. Also we used to sample the peak of the Sharp-shinned Hawk migration; after dropping off badly, this migration has jumped up to record levels in recent years, according to reports from Hawk Mt., Pa. The Broad-winged Hawk is the main target of the T.O.S. hawk migration project, however, and it seems to be generating more interest every year.

#### KEY TO REPORTERS

A—Jon Devore, Jack and Mark Wagner, Chattanooga; B—Ken Dubke, Chattanooga; Wallace Coffey, Bristol; Chas. Smith, Johnson City; Bill and Dick Finucane, Kingsport; C—Charlotte, Grace, Mike, Barney, and Marion Finucane, Mrs. Ferrell, Kingsport; Ch—Chas. Smith, Craig Shepherd, Johnson City; D—Dubke; E—Arthur and Elizabeth Smith, Roy Allen, Kingsport; F—Thos. Finucane, Kingsport; G—Lisa Jefferson, Annette St. Clair, Carmilla Falco, Cathy Webb, Kingsport Girl Scouts; H—Lee R. Herndon, Ron Creager, Elizabethton; Bob Quillen, Bristol; I—Bob Faucette, Wallace and Carolyn Coffey, Bristol; J—Julia Godsey, Tom and Connie Green, Bristol; K—Mr. and Mrs. Cantwell, Bristol; Mr. and Mrs. Nave, Kingsport; Mr. and Mrs. David Smith, Nickelsville, Va.; L—Mr. and Mrs. George W. Wallace, Chattanooga; N—Mrs. Richard Nevius, Greeneville; M—Melanie Odum, Kingsport; O—Tom and Tom III Odom, Kingsport; P—Mr. Ferrell, Mr. and Mrs. Glasheen,

and 13 Scouts, Kingsport; Q—Bob Quillen, Bristol; R—Richard Nevius; S—E. E. Scott, Nickelsville, Va.; T—Joe Finucane; U—Gene and Adele West; V—Jon DeVore, Chattanooga; W—Wallace Coffey; X—Hugh and Maxine Crownover, Chattanooga; Y—Howard Yarbrough, Chattanooga; Z—Mr. and Mrs. Cantwell, Enno and Roger Van Gelder, C. T. Ottenfeld, Carolyn Coffey, Bristol; Martha Fenstermacher, Eleanor Christy, Abingdon, Va.; ZZ—Jennie Riggs, Nashville.

#### OBSERVATION STATIONS

C—Chimney Top, 3100'; D—Dunlap Fire Tower, 2637'; E—Elder Mt., 1750'; H—Holston Mt. Fire Tower, 4200'; I—Bays High Spur Fire Tower, 1931'; K—Rogersville-Kyles Ford Fire Tower, 3000'; L—Bark Camp Lake, Virginia; M—Mendota Fire Tower, Va., 3018'; N—Nickelsville, Va.; P—Moccasin Gap; Q—McQueen's Knob Fire Tower, 3885'; R—River Mt. Fire Tower, 2397'; S—Signal Point Park, 1620'; T—Gate City Fire Tower, 3300'; U—Chickamauga Lake; V—8 mi. northwest of Nashville; Y—Haytor's Gap Knob Fire Tower, Va., 4208'.

TABLE 1  
ANNUAL AUTUMN HAWK COUNT, 1968

No.	Date	Obs.	Hrg.	Sta.	Wind	Sky	Temp.	ShS	Cpr	RdT	RdS	Bwg	Msh	Osp	SpH	Urd
1	9/8	V	16	S	-	-	-	1	1	9	-	10	-	-	1	-
2	8	V	3	S	3 S	1	-	-	-	-	-	-	-	-	-	-
3	8	S	3	H	-	-	-	-	-	-	-	31	-	-	-	-
4	8	HST	6	M	5-2 NNE	2	73	-	1	-	-	7	-	-	-	-
5	10	D	6	E	1 NW	1	-	-	-	-	-	-	-	-	-	-
6	13	V	3 $\frac{1}{2}$	S	1 ENE	0	-	-	-	2	-	25	-	-	1	-
7	13	F	6	N	2 NE	0	62	1	-	-	-	91	-	-	-	1
8	14	AU	4 $\frac{1}{2}$	S	3 SSE	2	-	1	-	1	-	155	-	-	-	-
9	14	MO	8	K	2-0 E	0	68	2	-	2	2	145	-	-	-	5
10	14	TP	9	M	1 S-W	0	66	-	1	2	1	117	-	1	-	3
11	15	AUX	7	S	3 SE	1	-	2	1	1	-	19	-	-	2	-
12	15	W	3 $\frac{1}{2}$	Q	1-2 SE	1	69	-	-	2	-	71	-	-	-	-
13	15	MO	7	M	0-2 E-SE	1	73	1	-	2	-	99	-	1	-	3
14	15	TP	7	H	0-3 SE	1	70	-	1	1	1	146	1	-	-	1
15	15	RM	4 $\frac{1}{2}$	K	3-4 SE	1	66	2	-	2	1	219	-	-	-	-
16	15	COS	8	M	3-4 E	1	2	-	2	2	-	326	-	1	-	-
17	16	D	5	S	3 E	2	-	-	-	1	-	2	-	-	-	-
18	16	Q	-	P	-	-	-	-	-	-	-	80	-	-	-	-
19	16	FS	9	M	1-5 SE	3	65	1	-	3	1	671	-	-	1	-
20	17	Hs	8 $\frac{1}{2}$	M	2-4 SE	4	66	-	-	1	-	98	1	2	-	-
21	18	W	4 $\frac{1}{2}$	Q	7 SE	4	61	-	-	-	-	4	-	-	-	-
22	18	F	3 $\frac{1}{4}$	M	2-4 SSE	5	65	-	-	-	-	-	-	-	-	-
23	19	D	3	S	2 E	3	-	-	-	1	-	-	-	-	1	-
24	19	S	4	L	-	3	-	-	-	-	-	15	-	7	6	-
25	20	DV	8 $\frac{1}{2}$	S	2 SSW	5	-	1	-	-	-	-	-	-	-	-
26	20	F&H	8 $\frac{1}{2}$	M	3-0 SE-NW	2	-	7	1	1	-	2304	-	1	2	2
27	21	AD	-	S	2 SSW	1	-	1	1	2	-	66	1	-	3	-
28	21	U	7 $\frac{1}{2}$	D	3 SSE	1	-	2	-	-	-	1648	1	-	4	-
29	21	WZ	7	Q	3-4 SE	2	74	-	1	2	-	154	1	-	-	3
30	21	O	7 $\frac{1}{2}$	Q	0-2 SE-NW	1	73	-	-	3	2	407	-	-	-	1
31	21	TP	7 $\frac{1}{2}$	T	0-2 SE-NW	1	-	1	-	1	-	2619	-	1	1	-
32	21	CSP	9	M	0-1 SE-N	1	-	-	1	-	-	7466	-	1	-	1
33	22	XY	3	S	2 SSW	1	-	-	-	-	-	18	-	-	-	-
34	22	AUX	7	D	3 SE-NW	1	-	1	-	1	-	1734	2	2	3	-
35	22	Ch	5 $\frac{1}{2}$	H	2-3 NW	0	69	-	3	-	-	6	-	-	-	-
36	22	T	7 $\frac{1}{2}$	G	0-1 E	0	66	-	-	1	-	37	-	-	-	-
37	22	O	7	R	0-3 SE-W	0	69	1	-	1	1	22	-	1	-	3
38	22	N	4	K	0-1 S	0	77	3	-	-	-	1130	-	-	-	-
39	22	SFK	8	M	0-3 SE-N	1	73	1	1	1	-	1115	-	1	-	-
40	22	I	7 $\frac{1}{2}$	Y	v-high NE	2	68	-	1	4	3	393	-	-	3	1
41	23	L	1	U	2 NW	0	-	-	-	-	-	350	-	-	-	-
42	23	D	8	D	3 SW	0	-	1	-	3	-	280	-	-	-	-
43	23	SFJ	8	M	0-3 SE-N	0	65	3	1	2	1	665	-	1	-	-
44	24	D	5	D	2 NW	0	-	-	-	2	-	-	-	-	-	-
45	24	F	6	M	0-3 SE-S	1	72	-	-	-	-	144	-	-	-	-
46	27	F	5	M	0-3 SE-NE	2	58	-	-	2	-	41	1	-	-	1
47	28	ZZ	-	V	-	-	-	-	-	-	-	94	-	-	-	-
48	28	RT	8	M	0-2 NE	1	64	2	-	-	1	13	-	-	-	-
49	29	X	2	D	2 NW	1	-	-	-	-	-	3	-	-	-	-
50	29	F	8	M	1-3 ENE-N	1	65	4	-	3	-	4	-	1	-	2
<b>TOTALS</b>			<b>259</b>					<b>39</b>	<b>17</b>	<b>61</b>	<b>14</b>	<b>24036</b>	<b>8</b>	<b>22</b>	<b>28</b>	<b>27</b>

## THE 1969 SPRING FIELD DAYS

JON DEVORE, *Editor*

Counts were submitted from thirteen different localities across the state, one of the thirteen being a high altitude count at Cosby. The total number of species seen was 184. This is far below the highest total ever recorded, 206 species seen on the 1967 Spring Counts.

## INFORMATION OF THE COUNTS

MEMPHIS—27 April 1969; Count taken in locality of Shelby-Mecman Forest, approximately 20 mi. NE of Memphis; Overton Park, Riverside Park, DeSoto Park and foot of Illinois Avenue at Mississippi River front in Memphis. Also, "Coffey Grounds" in Memphis. About 20 members and guests participated. Weather fair, with temperature ranging from 60-65° F. Wind 10-20 mph. Birds very active after about three days of rain.

Alice Smith (compiler).

REELFOOT—Counts were taken in the same areas as the limits of the Christmas Count. No party went onto the lake. 26 April, 1969, 5:00 a.m. to 3:00 p.m. Weather clear with winds light and variable and temperatures ranging from 55-70° F.

The Black-billed Cuckoo was recorded by Ben Coffey. Eight observers in three parties.

Denny Buchannon, Ben Coffey, Lula Coffey, Mike Ford, Celia Hudson, Virginia Lamb, Janice Leggett, Kenneth Leggett (compiler).

SAVANNAH—Olive Hill to Savannah to Pickwick Lake. 4 May, 1969, 5:00 a.m. to 5:00 p.m. plus 9:00 to 9:30 p.m. Temperature 50-90° F. Little wind, some clouds in mid-morning. Four observers in one party. 12½ party hours and 60 party miles

Jerry Mathis, David E. Patterson (compiler), Mike Patterson, John Williams.

COLUMBIA—Same general area as Christmas Count, but larger, including Prium Springs. 12 noon 1 May to 12 noon 2 May. Clear, warm, dry. Temperature 40-80° F. Little wind. Five observers in two parties.

Delton Porter, Paul Porter, Evelyn Ridley, Campbell Ridley, George R. Mayfield, Jr. (compiler).

LEBANON—Wilson county, eight miles north of Lebanon, eight miles south, five miles west, and east. Mostly in yards of members of the Lebanon Chapter. 3 May 1969, early morning to late afternoon. Temperatures in the 70's; sunny day, gentle breeze.

Mr. and Mrs. D. Merritt, Mrs. Haney, Mrs. Edgar Waters, Mrs. Clyde Sellars, Mrs. Bryon Paul, Mr. Don Denny, Mr. Bill Sellars, Mrs. Bob Bain, Mrs. Aleen Easter, Mrs. William Welty, Mrs. Neal Welty, Mrs. W. Bone, Mrs. Louis Chambers, Miss Mary Wharton, Mrs. George Bouton, Mrs. Carter Farris, Mr. and Mrs. Cloy Couch, Dr. and Mrs. M. S. Howard, Mrs. S. Gilreath, Mrs. Roy K. Hobbs.

COOKEVILLE—26 April 1969, 5:30 a.m. to 6:00 p.m. Areas included were within 15 mile diameter circle of the town. Yard and garden space, open country, fields and woods, city lake area, were represented in the count. The area covered was the same as that we always use for our bird counts except that some areas were missed. The day was fair with sunshine the entire day; wind calm to 9 or 10 mph for short intervals. Temperature 50° early to 80° in mid-afternoon.

Miss Beulah Clark, Dr. and Mrs. J. O. Cummins, Caprice Haile, Mr. R. D. High, Mr. Roy T. Hinds, Mark and Morris Hunter, Amy Johnson, Annice Moore, Miser R. and Gordon H. Richmond, Mrs. Thelma Tinnon, Mr. F. R. Toline, Miss Marie White (compiler).

CHATTANOOGA—Same area as covered on the Christmas Counts plus additional areas to the north on Chickamauga Lake. 4 May 1969; 5:00 a.m. to 8:30 p.m. Weather excellent sky almost clear, temperature range 50-80° F., wind calm to 7 mph.

Francis Barnwell, Ralph Bullard, Maxine Crownover, Jon E. DeVore (compiler), Kenneth Dubke, Roy Evenson, James Garrett, Benton Basham, Mike Lily, Howard and Mary Lou Meadors, Gladys C. Nelson, Mable Norman, Beulah Parks, Eugene and Eva Ranger, Veta Sliger, Roger Swanson, Mary Tunsberg, Jack and Mark Wagner, Mrs. H. B. Wilkinson.

KNOXVILLE—Selected areas from all of Knox County were included in the count, as in previous years. 27 April 1969. Partly cloudy, temperatures 47-82° F.

The Pigeon Hawk and Semipalmated Sandpiper were observed by James T. Tanner and Fred Alsop. The Ring-necked Pheasant was seen by Mrs. E. E. Overton, and the Yellow-crowned Night Herron by Tony Koella.

J. B. Owen (compiler).

COSBY—4 May 1969; 10:30 a.m. to 3:45 p.m. Cosby Recreation Area to Low Gap.

Richard Nevius (compiler).

Broad-winged Hawk (1), Yellow-shafted Flicker (2), Pileated Woodpecker (1), Red-bellied Woodpecker (1), Downy Woodpecker (4) Eastern Phoebe (2) Blue Jay (2), Common Crow (3), Tufted Titmouse (1), Winter Wren (2), Wood Thrush (5), White-eyed Vireo (1), Solitary Vireo (8), Red-eyed Vireo (8), Black-and-white Warbler (4), Yellow Warbler (1), Black-throated Blue Warbler (7), Black-throated Green Warbler (5), Ovenbird (16), Canada Warbler (5), Scarlet Tanager (7), Summer Tanager (5), Rose-breasted Grosbeak (10), Pine Siskin (1), American Goldfinch (2) Rufous-sided Towhee (1), Slate-colored Junco (12), Field Sparrow (1).

GREENEVILLE—The count was made 27 April 1969. Usual territory covered in Greene County. The sky was clear. Temperature 55-81° F.

Mr. and Mrs. Chester Darnell (compiler), Mrs. Willis Clemens, Mr. and Mrs. William Fischer, King Gaut, Robert Holt, Edmund Jeffers, Pat Jordan, Irvin Landmark, Bee McGuire, Mr. and Mrs. Richard Nevius, Dr. and Mrs. Royal B. Spees, Richard Sievert.

KINGSPORT—4 May 1969. Same area as in previous years.

Roy and Hattie Allen, William B. Hincke, Charlotte Finucane, Marie Brown, W. E. Gift, Lu Peck, Arthur Smith, Ann Switzer, Thomas Finucane (compiler).

JOHNSON CITY—The count represents the efforts of those participating in the field trips at the T.O.S. State Meeting at East Tennessee State University. The list includes results from both 10 May and 11 May 1969. The areas covered included Shady Valley, Roan Mountain, Unaka Mountain, Horse Cove, and ETSU campus. The weather for both 10 and 11 May was cooler than usual with temperatures ranging from the low 30's on Roan and Unaka Mountain on 11 May to the low 70's at lower elevations on both days. 10 May was clear to partly cloudy during the field trip period. 11 May was cloudy with occasional rain (freezing rain and sleet at higher elevations) during the field trip period. The field trips accented observations of species at high elevations, thus probably accounting for the relatively low number of species observed. Field trip leaders were: Fred Behrend, Bill Bridgforth, Jim Campbell, Wallace Coffey, Mrs. Harold Dillenbeck, Dr. and Mrs. Lee R. Herndon, and Charles R. Smith (compiler).

ELIZABETHTON—Most of Carter County was included on the count, along with adjacent parts of Johnson, Sullivan, Unicoi, and Washington Counties, to include Shady Valley; Boone, Patrick Henry, Watauga, and Wilbur Lakes; Roan Mountain (6285'); Unaka Mountain (4957'). 6:00 p.m. 3 May to 6:00 p.m. 4 May 1969. The weather was clear to partly cloudy for most of the count period with temperatures ranging from 42-80° F.

Fred Behrend, Bill Bridgforth, Wallace Coffey, Mrs. Harold Dillenbeck, Mrs. George Dove, Tim Hawk, Dr. and Mrs. Lee R. Herndon, Beth Lacy, Roby May, Pete Range, Charles R. Smith (compiler) Maxie and Tommy Swindell, Frank Ward.

## ANNUAL SPRING FIELD DAYS, 1969

	Memphis	Reelfoot	Savannah	Columbia	Lebanon	Cookeville	Chattanooga	Knoxville	Greeneville	Kingsport	Johnson City	Elizabethton
Common Loon	--	--	--	--	--	--	--	--	--	--	1	2
Pied-billed Grebe	--	1	--	1	--	--	--	1	--	--	--	--
Great Blue Heron	--	1	--	2	--	--	--	1	2	1	1	--
Green Heron	--	2	1	2	1	1	7	15	1	4	3	4
Little Blue Heron	1	6	--	2	1	--	--	--	--	--	--	--
Common Egret	--	7	--	--	--	--	--	--	--	--	--	--
Bl.-cr. Night Heron	--	--	--	1	--	--	1	25	--	--	--	--
Yl.-cr. Night Heron	2	--	--	1	--	--	1	--	--	--	--	--
American Bittern	--	--	--	1	--	--	--	--	--	1	--	--
Canada Goose	--	--	--	--	18	--	2	--	--	--	--	--
Blue Goose	--	--	--	--	--	--	--	1	--	--	--	--
Mallard	--	200	--	21	130	--	5	--	4	5	--	8
Black Duck	--	--	--	1	20	--	--	1	--	--	--	--
Gr.-winged Teal	--	--	--	--	--	--	--	4	--	--	--	--
Bl.-winged Teal	--	14	--	7	--	--	--	3	20	2	--	2
Shoveler	--	1	--	--	--	--	--	--	--	--	--	--
Wood Duck	3	14	--	3	50	--	13	12	4	16	5	25
Lesser Scaup	--	--	--	1	--	--	--	1	--	--	--	2
Bufflehead	--	--	--	--	--	--	--	--	--	--	--	29
Hooded Merganser	--	1	--	--	--	--	--	--	--	--	--	--
Common Merganser	--	--	--	--	--	--	--	--	--	1	--	--
Turkey Vulture	1	--	6	8	2	1	23	7	3	1	12	9
Black Vulture	--	--	--	1	--	--	5	1	4	--	2	--
Mississippi Kite	1	--	--	--	--	--	--	--	--	--	--	--
Coopers Hawk	--	--	--	1	--	--	1	1	1	--	--	1
Red-tailed Hawk	--	--	1	2	--	1	11	3	1	--	1	4
Red-shld. Hawk	--	2	2	2	--	--	3	1	4	--	--	--
Br.-winged Hawk	--	3	--	--	--	1	3	12	2	--	4	11
Osprey	--	--	--	1	--	--	1	6	--	--	--	2
Pigeon Hawk	--	--	--	--	--	--	--	1	--	--	--	--
Sparrow Hawk	--	1	--	5	--	--	1	1	5	4	3	5
Ruffed Grouse	--	--	--	--	--	--	--	1	--	--	3	2
Bobwhite	1	4	24	28	9	14	56	146	30	42	18	43
Ring-necked Pheasant	--	--	--	--	--	--	--	1	2	--	--	1
King Rail	--	--	--	--	--	--	1	--	--	--	--	--
Sora	--	--	1	--	--	--	--	--	--	--	--	--
American Coot	--	49	--	11	12	1	1	--	--	--	--	--
Semipalmated Plover	--	1	--	--	--	--	1	--	--	1	--	1
Killdeer	--	5	8	18	2	--	19	43	13	6	7	13
American Woodcock	--	--	1	--	--	--	--	--	--	--	--	--
Common Snipe	--	--	--	--	1	--	--	10	31	--	--	1
Spotted Sandpiper	--	1	2	10	--	3	10	13	--	3	3	12
Solitary Sandpiper	--	1	2	3	--	--	7	34	3	10	3	15
Greater Yellowlegs	--	18	--	3	--	--	1	3	--	1	--	--
Lesser Yellowlegs	--	8	--	8	--	--	4	8	3	1	--	4
Pectoral Sandpiper	--	115	--	2	--	--	--	1	--	--	--	--
Least Sandpiper	--	--	2	17	--	--	5	3	--	4	--	4
Semipal. Sandpiper	--	--	--	2	--	--	--	1	--	--	--	--
Common Tern	--	2	--	--	--	--	--	--	--	--	--	--
Mourning Dove	11	16	51	58	21	92	166	486	56	111	47	55
Yl.-billed Cuckoo	--	--	3	1	2	1	6	1	--	--	2	1
Bl.-billed Cuckoo	--	1	--	--	--	--	--	--	1	--	1	--
Barn Owl	--	--	--	--	--	--	--	--	--	2	--	--
Screech Owl	--	--	--	--	--	--	1	1	1	1	3	2
Gr. Horned Owl	--	--	2	2	1	--	--	--	--	--	--	1
Barred Owl	--	2	--	4	--	--	--	--	--	--	--	--
Chuck-wills-widow	--	--	1	2	--	--	7	9	2	--	--	1
Whip-poor-will	--	--	11	21	--	--	9	6	2	--	3	21
Common Nighthawk	--	--	3	2	4	--	6	--	--	11	5	9
Chimney Swift	4	5	35	76	39	120	134	174	60	36	131	99
R.-thr. Hummingbird	14	2	3	1	1	2	1	3	4	2	1	4
Belted Kingfisher	--	1	2	4	1	--	6	18	2	4	8	19
Yl.-sh. Flicker	2	4	1	2	10	23	34	80	2	36	26	60
Pileated Woodpecker	2	--	5	5	--	5	6	22	3	6	8	7
Red-bel. Woodpecker	8	14	17	16	7	11	30	50	14	17	--	3

	Memphis	Reelfoot	Stannan	Columbia	Johnson	Cookeville	Chattanooga	Lexington	Crossville	Johnson City	Elizabethton
Red-hd. Woodpecker	3	--	--	--	1	8	10	6	1	4	--
Yl.-bell. Sapsucker	--	--	--	2	--	5	1	--	3	1	1
Hairy woodpecker	5	5	6	14	8	10	18	18	10	4	14
Downy Woodpecker	5	4	41	23	1-	5	27	22	1	15	22
Eastern Kingbird	3	4	41	23	1-	5	27	22	1	15	22
Gr. Gr. Flycatcher	14	8	15	3	11	9	22	12	4	15	6
Eastern Phoebe	--	4	19	2	5	4	16	23	8	10	37
Acadian Flycatcher	3	--	21	6	--	--	2	--	12	4	35
Least Flycatcher	--	--	--	--	--	--	--	--	1	--	20
EA. Wood Pewee	10	--	14	14	3	--	29	1	--	9	19
Ol.-sided flycatcher	--	--	--	--	--	--	--	--	1	--	--
Horned Lark	--	4	1	6	--	2	4	13	1	16	3
Tree Swallow	--	5	--	3	--	--	--	5	--	--	3
Bank Swallow	--	--	--	--	--	--	--	--	--	--	1
Wh.-winged Swallow	3	2	7	4	--	--	36	66	2	--	92
Barn Swallow	2	11	137	77	55	31	90	173	81	45	102
Cliff Swallow	--	--	100	--	8	--	140	3	--	--	1
Purple Martin	--	15	10	5	34	6	438	139	8	45	16
Blue Jay	29	19	39	64	91	134	207	401	81	101	64
Common Raven	--	--	--	--	--	--	--	--	--	--	3
Common Crow	1	13	22	65	20	45	66	209	50	79	73
Rish Crow	6	--	--	--	--	--	--	--	--	--	--
Carolina Chickadee	22	23	13	17	10	8	48	124	19	29	18
Tufted Titmouse	41	34	28	13	13	51	67	123	14	76	19
Wh.-br. Nuthatch	--	--	1	2	--	2	7	6	4	1	4
Rd.-br. Nuthatch	--	--	--	--	--	--	1	5	--	--	5
Br.-hd. Nuthatch	--	--	--	--	--	--	1	--	--	--	4
Brown Creeper	--	--	--	--	--	--	1	--	--	--	1
House Wren	1	--	--	--	--	4	--	2	5	13	2
Winter Wren	--	--	--	--	--	--	--	--	--	--	7
Bewick's Wren	--	--	1	1	5	2	--	3	4	1	--
Carolina Wren	42	13	11	13	1	9	46	151	16	45	16
Lg.-bld. Marsh Wren	--	--	--	--	--	--	--	1	--	--	42
Mockingbird	6	2	23	30	74	24	209	223	26	68	27
Catbird	2	--	15	10	13	21	27	18	5	15	44
Brown Thrasher	8	9	9	21	59	54	77	97	33	24	23
Robin	26	3	21	11	58	70	203	292	67	117	239
Wood Thrush	34	3	45	12	16	18	78	110	21	40	80
Hermit Thrush	--	--	--	--	--	--	1	2	1	--	--
Swainson's Thrush	27	1	1	2	--	--	--	14	--	4	1
Gr.-cheeked Thrush	9	--	--	--	--	--	1	1	--	--	--
Veery	5	--	--	4	--	--	3	1	--	--	28
Eastern Bluebird	2	6	7	12	27	12	43	43	3	5	16
Bl.-gr. Gnatcatcher	35	74	46	32	--	2	13	116	17	11	5
Col.-cr. Kinglet	--	--	--	--	--	--	--	--	--	--	9
Ruby-cr. Kinglet	5	--	--	--	--	--	--	36	5	--	--
Cedar Waxwing	--	--	2	--	--	3	28	43	2	--	54
Log.-hd. Shrike	1	2	2	10	2	--	7	8	2	--	3
Starling	18	0	67	258	230	123	1025	854	296	78	186
Wh.-eyed Vireo	68	53	37	12	1	20	18	25	6	31	4
Yl.-thr. Vireo	8	5	2	2	--	--	2	18	--	7	3
Solitary Vireo	--	--	--	--	--	--	--	1	8	--	9
Red-eyed Vireo	31	20	10	6	--	5	25	83	41	33	74
Philadelphia Vireo	--	--	1	--	--	--	1	--	--	--	--
Warbling Vireo	2	1	--	--	--	--	--	--	--	--	1
Bl. and wh. Warbler	1	2	8	3	2	--	8	20	13	13	50
Prothonotary Warbler	48	20	14	2	--	--	5	2	2	3	31
Swainson's Warbler	3	1	--	--	--	--	--	--	1	--	6
Worm-eating Warbler	--	--	11	2	--	2	--	6	7	15	4
Col.-winged Warbler	--	2	--	--	--	--	1	1	--	--	4
Bl.-winged Warbler	1	1	21	12	--	--	--	4	--	--	4
Tennessee Warbler	14	7	5	6	--	--	1	5	--	4	2
Nashville Warbler	9	--	--	6	--	--	--	7	--	--	2
Parula Warbler	14	23	--	2	--	--	--	--	3	2	18
Yellow Warbler	1	3	2	8	--	3	1	33	14	38	54
Magnolia Warbler	--	--	--	--	--	--	--	--	--	--	1
Gape May Warbler	--	--	--	--	--	--	17	4	--	4	--
Bl.-thr. Blue Warbler	--	--	--	--	--	--	--	--	8	--	31
Myrtle Warbler	12	16	--	2	--	4	24	207	19	8	15
Bl.-thr. Gr. Warbler	1	1	1	--	--	--	--	9	5	5	34

Cerulean Warbler	14																			
Blackburnian Warbler	1	--																		
Yl.-thr. Warbler	1	3	--																	
Ches.-sided Warbler	2	--																		
Bay-br. Warbler	--	--																		
Blackpoll Warbler	8	2	14	10	1	--														
Pine Warbler	--	--	7	--																
Prairie Warbler	1	1	15	8	--															
Palm Warbler	--	--	--	35	1	--														
Ovenbird	4	--	7	4	--															
North. Waterthrush	--	--	2	2	--															
La. Waterthrush	2	--	1	6	--															
Kentucky Warbler	24	19	16	8	--															
Connecticut Warbler	--	--	--	--	1	--														
Yellowthroat	1	40	57	18	2	18	46	122	18	36	24	44								
Yl.-br. Chat	4	8	41	9	--	22	31	14	7	19	7	19								
Hooded Warbler	10	--	11	6	--	--	5	25	5	27	17	22								
Canada Warbler	2	--	1	--	--	--	1	2	11	--	17	14								
American Redstart	6	--	1	2	--	--	2	5	--	2	6	7								
House Sparrow	--	C	50	40	67	40	189	135	47	25	160	236								
Bobolink	--	12	4	--	--	--	8	4	--	--	4	10								
Eastern Meadowlark	3	17	102	95	54	148	133	499	106	92	125	155								
Rd.-wd. Blackbird	1	C	124	314	--	55	235	739	46	103	182	158								
Orchard Oriole	6	9	17	14	13	3	13	34	5	14	13	12								
Baltimore Oriole	23	6	1	--	1	--	2	3	--	7	16	7								
Common Grackle	39	30	129	850	223	172	398	996	366	148	226	593								
Br.-hd. Cowbird	56	40	42	120	20	23	121	275	6	34	66	99								
Scarlet Tanager	7	1	3	3	--	--	16	13	5	22	46	40								
Summer Tanager	32	10	22	14	3	10	27	32	7	21	3	2								
Cardinal	49	66	45	70	156	84	192	452	71	128	41	143								
Rose-br. Grosbeak	6	3	3	8	--	2	4	13	6	12	53	20								
Blue Grosbeak	1	--	15	2	--	--	12	1	1	--	--	1								
Indigo Bunting	43	39	120	39	16	14	87	19	7	31	54	27								
Dickcissel	--	42	41	--	--	--	--	--	--	--	--	--								
Evening Grosbeak	--	--	--	--	--	--	2	6	78	--	30	47								
Purple Finch	7	--	--	--	--	10	--	31	14	12	3	1								
Pine Siskin	--	4	--	--	--	--	--	1	2	--	59	1								
American Goldfinch	29	112	68	21	3	47	114	608	66	39	119	141								
Rufous-sided Towhee	10	4	22	29	29	51	130	208	39	49	77	106								
Savannah Sparrow	--	1	14	4	--	--	13	2	--	--	--	--								
Grasshopper Sparrow	--	--	12	1	--	--	12	4	--	3	--	9								
Vesper Sparrow	--	--	--	--	--	--	--	--	--	--	3	6								
Sl.-colored Junco	--	--	--	--	12	--	--	--	2	--	81	62								
Chipping Sparrow	16	5	25	8	--	17	38	33	20	16	49	68								
Field Sparrow	--	9	9	15	16	26	62	170	23	37	32	75								
Wh.-cr. Sparrow	--	5	3	23	14	--	--	5	25	2	3	10								
Wh.-thr. Sparrow	69	29	21	22	--	37	15	224	29	26	8	33								
Lincoln's Sparrow	--	--	3	1	--	--	--	--	--	--	--	--								
Swamp Sparrow	--	2	--	6	--	--	3	8	6	--	--	1								
Song Sparrow	--	--	--	--	4	12	61	220	25	60	64	145								
<b>TOTAL SPECIES</b>	<b>88</b>	<b>101</b>	<b>100</b>	<b>120</b>	<b>65</b>	<b>67</b>	<b>119</b>	<b>139</b>	<b>110</b>	<b>103</b>	<b>119</b>	<b>129</b>								

## T. O. S. STATE MEETING, 1969

BY HELEN B. DINKELSPIEL, *Secretary*

## ANNUAL BOARD OF DIRECTORS' MEETING

The 54th Annual Meeting of the Board of Directors of the Tennessee Ornithological Society was held at 1:30 p.m. on 10 May 1969 at East Tennessee State University at Johnson City, Tennessee.

The meeting was called to order by Chairman of the Board, Robert W. McGowan, with thirty officers, directors, and proxies present.

Mr. McGowan asked if there were any corrections to the minutes as printed in the June 1968 issue of *The Migrant*. There being no corrections or additions the minutes were approved as printed.

*Treasurer:* Copies of the Treasurer's report were distributed to the officers and directors present. A brief summary of Miss Annella Creech's report follows:

Balance on hand 1 May, 1968	\$1943.19
Income from all sources	2151.42
	4094.61
Disbursements	2276.10
Net Balance on hand	1818.51

Endowment Fund—333 M.I.T. Certificates on hand @ \$16.46—\$5481.18.

A motion was made by Mr. Henry Parmer to approve the Treasurer's report. The motion was seconded and carried. A copy of the Treasurer's report is attached to the minutes.

*The Migrant:* Mrs. Kirby Stringer made a motion to thank Mr. Kenneth Dubke for volunteering assistance to take care of the envelopes to see that they are addressed and mailed to Dr. Herndon for mailing. The motion was seconded and carried.

*Curator:* Mr. Albert Ganier reported that he is keeping back issues of *The Migrant* for those needing them. Mr. Ganier also stated that they would like to have additional articles for *The Migrant*, and that "Round Table" notes are needed.

*Audit Report:* Mr. Henry Parmer, Chairman of the Finance Committee, reported no irregularities in the books and records of the Treasurer, and that the records maintained appeared to be complete and proper, and adequate for our needs. Copy of Audit Report attached to the minutes.

*Finance Committee:* Mr. Kenneth Leggett made a motion to accept the report of the Finance Committee. The motion was seconded and carried. Copy of the Report of the Finance Committee is attached to the minutes.

*Nominating Committee:* Mrs. W. F. Bell, Chairman, through Miss Mary Davant, submitted the following slate of officers:

Vice-pres. East Tenn. ....	Mr. Fred Alsop — Knoxville
Vice-pres. Middle Tenn. ....	Mr. John Ellis — Nashville
Vice-pres. West Tenn. ....	Mrs. Edw. Carpenter — Henderson

Secretary .....	Dr. Dan Gray, Jr. — Columbia
Treasurer .....	Mr. Kenneth Dubke — Chattanooga
Dir.-at-Large East Tenn. ....	Miss Louise Nunnally — Knoxville
Dir.-at-Large Middle Tenn. ....	Mr. Kenneth Bunting — Nashville
Dir.-at-Large West Tenn. ....	Mr. Kenneth Leggett — Dyersburg
Editor .....	Dr. Lee R. Herndon — Elizabethton
Curator .....	Mr. Albert Ganier — Nashville

There being no further nominations from the floor, Mrs. Kirby Stringer made a motion to approve the nominations for presentation to the Membership. The motion was seconded and carried.

*New Business:* Mr. Robert McGowan read a letter from Mr. Willard N. Gray, President of Kentucky Ornithological Society, stating that "The Executive Committee of the Kentucky Ornithological Society, at its fall meeting, went on record as favoring a joint meeting with the Tennessee Ornithological Society in the spring of 1970.

Mr. John Ellis made a motion that Dr. George Mayfield appoint a committee of three, with members of the committee to come from each section of the state, to look into the matter of meeting with the Kentucky Ornithological Society before any commitment is made, and then brought to the body for discussion, through the president. The motion was seconded. The motion by Mr. Ellis was unanimously defeated.

Mr. Charles Smith moved that the Board of Directors formulate a Recommendation to the host chapter and the President-Elect that we are in favor of a joint meeting with Kentucky Ornithological Society, and if this is feasible with the host chapter, then we will work out a joint meeting for next year. The motion was seconded and carried with 21 in favor and 0 opposed.

Dr. George Mayfield presented a slate for a new Finance Committee: Messrs. Benton Basham, John DeVore, Kenneth Leggett and Miss Annella Creech. Mrs. Herndon made a motion for acceptance. The motion was seconded and carried.

There being no further business the meeting adjourned.

#### ANNUAL BUSINESS MEETING—10 May 1969

The Annual Business Meeting of the Tennessee Ornithological Society was held in the Ball Room of East Tennessee State University, Johnson City, Tennessee, on 10 May 1969, with President Robert W. McGowan presiding.

Following the Banquet Dr. Delos P. Culp, President of East Tennessee State University, welcomed the members of T.O.S. and guests.

Mr. John Wallace Coffey introduced the guest speaker, Mr. Larry L. Hood, Biologist, U. S. Fish and Wildlife Service, who spoke on the history and mechanics of bird banding. In his introductory message Mr. Coffey paid particular tribute to Mr. Ben B. Coffey, Jr., and to Mrs. Amelia Laskey for their contributions to ornithology, with special reference to their accomplishments in the field of bird banding.

Mr. McGowan expressed thanks to the Elizabethton, Bristol and Greeneville Chapters for their joint hosting of this meeting.

A special welcome was extended to founders Mr. Albert Ganier and Mr. Dixon Merritt, and to Mrs. George Mayfield, Sr., wife of a founder, and mother of President-elect, Dr. George Mayfield, Jr.

Dr. Lee R. Herndon and Mr. Albert Ganier were recognized by Mr. McGowan as two former presidents of Tennessee Ornithological Society present.

A Roll Call by chapters showed 108 in attendance.

Dr. James Tanner made a motion to dispense with the reading of the minutes. The motion was seconded and carried.

Miss Annella Creech, Treasurer, announced that copies of the Treasurer's report were on hand and available to the membership. Following her report, Mr. Henry Dinkelspiel made a motion to accept the Treasurer's report as read. The motion was seconded and carried.

Dr. Katherine Goodpasture, State Coordinator for the U. S. Fish and Wildlife Cooperative Breeding Bird Survey, gave a report on the results from the survey for 1968 for Tennessee, in which 42 groups participated and for which 109 species were reported.

Miss Mary Davant, Chairman of the Resolutions Committee read Resolutions of thanks to the three host chapters, to East Tennessee State University for use of its facilities, to members of the various committees responsible for the success of the meeting, and to those participating in the paper session. Mr. Charles Smith made a motion to approve the Resolutions. The motion was seconded and carried. Copy of the Resolutions is attached to the minutes.

Miss Mary Davant, acting for Mrs. William Bell, Chairman of the Nominating Committee, submitted the slate of officers for 1969-1971.

There being no nominations from the floor Mr. Fred Behrend made a motion to accept the slate as read. The motion was seconded and carried.

The Coordinator of Conservation Activities, Mr. Mack Prichard, reported on the urgent need for state wilderness areas, pollution control, better protection for raptors and all bird species, and the need for affiliation with National Audubon Society for their experience and contacts in these fields. He suggested the appointment of a Conservation Committee to pursue these matters.

At the request of Mrs. Joe Moss, Shoulder Patch Chairman, Mr. McGowan read her report which showed sales of shoulder patches and check lists in the amount of \$53.05.

Mr. McGowan read a letter received from Mr. Willard N. Gray, President of Kentucky Ornithological Society, in which Mr. Gray stated that the Executive Committee of the Kentucky Ornithological Society favored a joint meeting with the Tennessee Ornithological Society in the spring of 1970. The membership was then advised of the Recommendation of the Board of Directors of T.O.S. "to the host chapter and President-elect, that we are in favor of a joint meeting with K.O.S. and if this is feasible with the host chapter then we will work out a joint meeting for next year." Mr. Bill Bridgeforth made a motion to accept the recommendation of the Board of Directors. The motion was seconded and carried.

An invitation was extended to the members of T.O.S. by the Memphis Chapter, who will host the annual meeting for 1970, for West Tennessee.

Dr. Mayfield, President-elect, made an appeal for unity in matters of organization. Dr. Mayfield suggested a committee for self-study plans and for plans for the future of T.O.S., the committee to include: Mrs. Ben B. Coffey, Jr., Wallace Coffey, Richard Nevius, Dr. James Tanner, James Campbell, John Ellis, Henry Parmer, Kenneth Leggett and Kenneth Dubke.

There being no further business the meeting adjourned.

#### RESOLUTIONS

The Tennessee Ornithological Society assembled in its 54th Annual Meeting, 9-11 May 1969, at Johnson City, Tennessee resolves that an expression of appreciation for the planning and execution of a successful meeting be extended:

To the host Chapters, Bristol, Elizabethton, and Greeneville, and each of their members;

To the East Tennessee State University for use of its facilities, and to Dr. John Bailey for his sponsorship of the meeting;

To the Greeneville Chapter of the Tennessee Ornithological Society and to Mr. Jim Bailey, of the Tennessee Conservation Department, for the reception and cordial welcome on Friday evening;

To Mrs. Wallace Coffey and Mr. C. T. Ottenfeld for registration;

To Mr. Fred Behrend and Mrs. Kathryn Jones for publicity;

To Mrs. George N. Dove, Mrs. Harold Dillenbeck and all who assisted in arrangements for a successful banquet;

To Mrs. A. E. Reynolds and Mr. Guy Arnold for the lovely banquet decorations;

To Mr. Charles R. Smith, his Committee and the group leaders for the exciting field trips which we enjoyed;

Resolved that appreciation be expressed:

To all who were responsible for the direction and coordination of the paper sessions, with special thanks to the speakers of this session: Mr. Fred Alsop, Mr. Fred Behrend, Mr. Gary Wallace and Mr. Ken Dubke for the papers read.

Be it further resolved that our thanks be extended:

To Mr. Wallace Coffey, Vice-president for East Tennessee, for his guidance of a splendid meeting, and to each of the other officers of T.O.S. who have served so efficiently during their terms of office.

Respectfully submitted, Mary Davant, Alice Smith, Ella H. Ragland.

Tennessee Ornithological Society  
Treasurer's Report                      May 1968 - May 1969

Memberships	Paid 1968	Paid 1969	Unpaid 1969	Indi- vidual	Family	Sus- tain	Stu- dent	Life	Collected
Bristol	31	29	1	15	14				\$ 101.00
Chattanooga	29	31	8	15	7		7	2	99.50
Upper Cumberland	21	21		16	5				68.00
Elizabethton	16	14	3	8	3		2	1	45.00
Greenville	10	7	1	1	6				27.00
Kentucky Lake	6		6						13.00
Knoxville	82	95	2	42	28		21	4	261.50
Lebanon	23	30	1	18	9		2	1	99.50
Memphis	64	64	12	44	11		6	3	187.00
Nashville	139	144	22	79	46	4	4	11	490.00
Reelfoot	17	19	5	12	5		2		58.00
Tenn-at-Large	36	32	8	18	7	2	3	2	98.00
Corresponding	63	63	7	52	1	1	3	6	206.50
	537	549	76	320	142	7	50	30	\$ 1751.50
Subscriptions: Libraries and Museums (39 paid, 6 unpaid)									115.00
									\$ 1869.50

## Other Income

M.I.T. Dividends	\$144.82
Check Lists and Books	23.05
Shoulder Patches	27.50
Back Issues THE MIGRANT	70.45
Reprints	10.35
Refund, Postage Deposit	5.75

TOTAL INCOME FROM ALL SOURCES

281.92  
\$ 2151.42

## Disbursements

THE MIGRANT: Printing	\$1400.21
Editor's Expense	175.11
Zinc Etchings, Half-tones	127.32
Mailing	218.08
Envelopes	76.80
Reprints, Binder Inserts	57.36
Printing, Envelopes	73.06
Postage	39.00
Shoulder Patches	104.75
Miscellaneous	4.41

TOTAL DISBURSED

\$ 2276.10

Balance on Hand May 1, 1968

\$1943.19

Income Itemized Above

\$2151.42

Total

4094.61

Disbursements Itemized Above

2276.10

NET BALANCE ON HAND

\$ 1818.51

ENDOWMENT FUND - 333 M.I.T. Certificates on Hand @ \$ 16.46 -- \$5,481.18

Annella Creech, Treasurer

May 3, 1969

## PRESIDENTIAL MESSAGE TO T.O.S.

It is with a feeling of great challenge that I begin my service to you as president of the Tennessee Ornithological Society. I believe the time has come to seek ways for enhancing the effectiveness of our society in its principal



activity of bird study and in the broader realms of conservation, and to provide if possible increased benefits to the membership. At a time when all of us are involved in many activities, this is indeed a difficult set of objectives, especially since they must be accomplished without compromising the rich heritage passed on to us by the founders and active members of the past. It is certain that only a group of knowledgeable, energetic and representative members of our society can bring this about, so for this purpose I have initiated a committee for Self-Study and Future Plans. To this committee I have appointed the following members: Lula Coffey, Ken Leggett, Henry Parmer, John Ellis, Ken Dubke, Jim Campbell, Jim Tanner, Richard Nevius, and Wallace Coffey, as chairman. I urge each of the members of the society to communicate to any member of this committee their ideas and any problems

which they feel should be studied with a view toward improving our society. Of course this committee's recommendations are subject to the approval of the Board of Directors and shall work in close coordination with the officers of the society. I have already received a number of good suggestions and shall pass them on to the committee for their study. I hope we can have our first meeting this fall at Watts Bar.

Despite a busy weekly schedule, it is my intention to try to visit the various chapters of the T.O.S., upon invitation whenever possible, either for meetings or field trips. I shall be glad to hear from the officers of the chapters in this regard, and from any member who wishes to bring any matter to my attention.

I want to urge all of you, who can, to attend the meeting and seminar, soon to be announced, at Watts Bar Resort this fall. The possible joint meeting with the Kentucky Ornithological Society next spring is still under study at this time. This message would not be complete without mentioning, to those who could not attend, how excellent and well organized was the recent Annual Spring Meeting in Johnson City. The various members of the local arrangements committee are to be commended for their work in providing another outstanding meeting with several helpful innovations.

GEORGE R. MAYFIELD, JR.

## THE SEASON

CHARLES R. SMITH, *Editor*

The months of February, March, and April were rather unstable with respect to the weather across the state. Temperatures for February averaged 3-4° colder than usual across most of the state, with precipitation for that month about average. March experienced more extreme variations from normal weather patterns. For March, temperatures were 7-8° colder than normal and precipitation was 2-3 inches below the average for that month. April offered some relief, with temperatures about average and precipitation only 1-3 inches above average.

From 15-17 February, snow prevailed across the state, with as much as ten inches accumulating in some of the more mountainous regions. Snowfall had generally ceased by the middle of March. The heaviest snowfall for March was 7-9 inches recorded at Watauga Dam and Mountain City in Upper East Tennessee on 1 March. There were heavy rains throughout the state on 10-15 April.

The information which is available indicates a general scarcity of waterfowl across the state for this period. Records of birds of prey, however, were more numerous, especially from the middle and eastern portions of the state. Evening Grosbeaks were reported from all regions. Pine Siskins and Purple Finches were less numerous and no crossbills were reported. The influx of northern finches this season was not outstanding. The colder weather in March might account, in part, for the somewhat later migration, noted especially in the central portions of the state.

Especially notable for this period is the observation of the Black-headed Grosbeak near Sevierville, in East Tennessee. This constitutes another addition to the growing list of Tennessee birds. Other notable records are as follows: Common Egret at Nashville, White-winged Scoter on Watauga Lake, Rough-legged Hawk near Roan Mountain, Pigeon Hawk near Roan Mountain, Peregrine Falcon near Bristol, Willet at Nashville, Least Tern at Nashville, Eastern Kingbird wintering at Norris, Brown-headed Nuthatch at Collegedale, Connecticut Warbler at Nashville, Brewer's Blackbird near Kingsport, and Harris' Sparrow at Greeneville. Details of the above observations may be found in the reports for each region which follow.

## CORRECTION

In *The Migrant*, Vol. 39, page 90, of "The Season", "Eastern Kingbird: 7, 8, 10 Oct. (2) WB (HB)." (line 27) should read *Western* Kingbird: 7, 8, 10 Oct. (2) WB (HB). Because of the importance of this record, special attention should be given to making this correction in your copy of *The Migrant*.

WESTERN COASTAL PLAIN REGION—*Heron-Vireos*: Green Heron: 4 Apr. (1) S. Little Blue Heron: 29 Mar. (4) R. Common Egret: 20 Mar. (3) D. Redhead: 15 Mar. (17) D. Sharp-shinned Hawk: 15 Mar. (5) R. Cooper's Hawk: 20 Mar. (1) S, 23 Mar. R. Broad-winged Hawk: 3 Mar. (1) S, 5 Apr. (1) R. Bald Eagle: 15 Mar. (14) R. Osprey: 5 Apr (1) R. Golden Plover: 22 Mar. (13) S. Lesser Yellowlegs: 15 Mar. (2) R, 25 Apr. (5) S. Pectoral Sand-

piper: 15 Mar. (20) R. Least Sandpiper: 15 Mar. (5) R. Herring Gull: 1 Mar. (1) S. Whip-poor-will: 2 Apr. (4) S. Great Crested Flycatcher: 17 Apr. (1) S. Eastern Wood Pewee: 5 Apr. (1) S. Horned Lark: 16 Feb. (343) R, numerous all winter there. Rough-winged Swallow: 22 Mar. (1) S. Cliff Swallow: 17 Apr. (40 nests) S. Wood Thrush: 1 Apr. (1) S. Water Pipit: 23 Mar. (3) R. Yellow-throated Vireo: 8 Apr. (1) S. Solitary Vireo: 15 Apr. (1) S.

*Warblers:* Worm-eating: 10 Apr. (1) S. Pine: 8 Mar. (1) S. Prairie: 8 Apr. (2) S. Palm: 2 Apr. (1) S. Ovenbird: 10 Apr. (1) S. Hooded: 8 Apr. (1) S. Canada: 28 Apr. (1) S.

*Oriole-Sparrows:* Orchard Oriole: 10 Apr. (1) S. Scarlet Tanager: 15 Apr. (1) S. Summer Tanager: 10 Apr. (1) S. Evening Grosbeak: 27 Mar. (13) first S record. Savannah Sparrow: 22 Mar. (35) R. Fox Sparrow: 15 Mar. (5) D.

*Locations:* D—Dyersburg, R—Reelfoot Lake, S—Savannah.

*Observers:* Kenneth and Janice Leggett at Dyersburg and Reelfoot, David and Mike Patterson at Savannah.

DAVID E. PATTERSON, Harbert Hills Academy, Savannah 38372.

CENTRAL PLATEAU AND BASIN REGION—*Loons-Geese:* Common Loon: 1 Apr. (5), 2 Apr. (1) LD (RTH). Horned Grebe: 22 Mar. (12) WR (MCW), 16 Apr. (5) OHL (LOT). Pied-billed Grebe: 31 Mar. (13) OHL (MCW). Great Blue Heron: continued scarce. Green Heron: 8 Apr. (1) WC (MCW). Common Egret: 26 Apr. (5) ACM (AFG). Black-crowned Night Heron: 26 Apr. (63) BH (JP). Yellow-crowned Night Heron: 26 Apr. (4) BH (JP). American Bittern: 9 Apr. (1) WC (MCW). Canada Goose: 1 Feb. (75) RH (JSH), 19 Apr. (3) PPL (LOT).

*Ducks:* Mallard: very scarce NA, 26 Apr. (2) BV (JP), very late and at the site of a 1968 nesting. Black: scarce after mid Jan. as were all ducks. Blue-winged Teal: 30 Mar. (10) RR, NA (HEP), 26 Apr. (49) ACM (AFG). American Widgeon: 13 Mar. (4) BL (HEP), 15 Mar. (50) ACM (HCM, HEP), 30 Mar. (4) RL (MCW), only reports. Wood Duck: several pairs NA later part March, 24 Apr. (16) RL (MCW). Redhead: 11 Mar. (10) males BL (HEP); 26 Apr. (1) RL (MCW), 5 days latest ever NA. Ring-necked: continued far below normal; 26 Mar. (75) BL (HEP), only large flock there; 22 Apr. (1) RL (MCW) last, with (5-40) during period. Canvasback: 5 Feb. (2) RL (MCW) only report. Lesser Scaup; 30 Mar. (50) ACM (HEP), 26 Apr. (38) RL (MCW); none BL. Common Goldeneye: 1 Apr. (2) RL (MCW) Bufflehead: 22 Mar. (8) WR (MCW), 31 Mar. (2) CL (MCW), Hooded Merganser: 20 Feb. (1) OHL (HEP), 16 Apr. (2) OHL (LOT).

*Hawks-Terns:* Sharp-shinned Hawk: 15 Apr. (1) BY (RH). Broad-winged Hawk: 4 Apr. (1) BS (KAG), and 12 Apr. (1) LD (RTH). Golden Eagle: 8 Feb. (2) WB (MCW). Marsh Hawk: 23 Mar. (1) WC (MCW), 6 Apr. (1) BS (HEP, HCM). Osprey: 20 Apr. (1) each RL and TJ (HCM, HEP), 26 Apr. (3) ACM area (AFG), (1) seen 8 times between 7, 24 Apr. LD (RTH). Sandhill Crane: 5 Mar. (56), 14 Mar. (51) BY (RH). American Coot: count RL down to (7) 26 Apr.; 19 Apr. (75) OHL (LOT). (MCW). American Woodcock: 22 Feb. to 7 Mar. 1-3) OCR (KAG), 28 Feb. (1) H (HCM), 25 Apr. (1) LD (RTH). Common Snipe: 15 Mar. (4) ACM (HCM, HEP), 29 Mar. (7) TJ (HCM, HEP), 26 Apr. (1) BV (JP). Willet: 26

April (33) ACM (AFG). Greater Yellowlegs: 26 Apr. (13) BV (JP). Lesser Yellowlegs: maximum numbers (3) on 26 Apr. ACM (AFG). Pectoral Sandpiper: scarce, with (7) 6 Apr. WB (MCW) being largest flock. Bonaparte's Gull: 2 Feb. (9) (LOT, HCM, HEP) to 22 Apr. (2) (LOT), both OHL. Least Tern: 30 Mar. (1) RR (HEP), a very rare NA visitor, and a very early date for the State.

*Dove-Swallows:* Mourning Dove: 4 Mar. (1) on nest, 29 Mar. (2) young fledged, both H (HCM). Yellow-billed Cuckoo: 26 Apr. (1) Black-billed Cuckoo: 26 Apr. (1) TJ (HEP). Great Horned Owl: 3 Apr. (1) LD (RTH). Whip-poor-will: 10 April (1) LD (RTH), 11 Apr. (1) BS (KAG). Common Nighthawk: 23 Apr. (1) H (HCM). Chimney Swift: first 1 Apr. (1) H (HCM), 3 Apr. (1) WB (MCW), then scarce until 10 April (60) H (HCM). Ruby-throated Hummingbird: 13 Apr. (1) H (Mrs. W. R. Young). Yellow-bellied Sapsucker: scarce in April, last being (1) 28 Apr. H (HCM). Eastern Kingbird: first, 12 Apr. (1) WB (MCW). Great Crested Flycatcher: 25 Apr. (1) LD (RTH). Eastern Phoebe: first 2 Mar. (6), 21 Mar. BY (3) (RH). Acadian Flycatcher: 26 Apr. (6) NA. Wood Pewee: 26 Apr. (6) NA (TOS). Tree Swallow: 30 Mar. (3) ACM (HEP), 22 Apr. (100+) RL (MCW). Bank Swallow: 19 Apr. (2) RR-NA (HCM, HEP). Rough-winged Swallow: 30 Mar. (3) ACM (HEP), then 22 Apr. (50) RL (MCW). Barn Swallow: 28 Mar. (2) MBP (MCW), 30 Mar. (50) ACM (HEP); first at BY (5) 4 Apr. (RH). Cliff Swallow: 30 Mar. (8) ACM (HEP). Purple Martin: 28 Feb. (1) WB first Mid-Tenn. record in many years for Feb.

*Nuthatches-Pipit:* Red-breasted Nuthatch: fairly common NA, with last report being 26 Apr. (1) (HCM) and (1) (KAG), (2) (HEP). Brown Creeper: last, 10 Apr. (1) H (HCM). House Wren: four records NA during Apr. Winter Wren: NA, 30 Mar. (3), 31 Mar. (8), 1 Apr. (7), all RL (MCW). Bewick's Wren: a few singles NA. Carolina Wren: well below normal NA. Catbird: 8 Apr. (1) H (KAG). Brown Thrasher: (1) wintered H (AT). Wood Thrush: 12 Apr. (1) LD (RTH). Hermit Thrush: 8 Apr. (1) H (HCM). Swainson's Thrush: 26 Apr. (6) NA (TOS). Gray-cheeked Thrush: 26 Apr. (1) NA (HEP). Veery: 29 Apr. (1) (SB). Eastern Bluebird: still fairly scarce NA. Blue-gray Gnatcatcher: 2 Apr. (7) SHV (KAG), (1) H (HCM), and (1) LD (RTH); 4 Apr. (10) BY (RH). Golden-crowned Kinglet: 31 Mar. (25) RL (MCW), 3 Apr. (2) LD (RTH) Ruby-crowned Kinglet: 26 Apr. (11) (TOS); 27 Apr. (1) H (KAG). Water Pipit: 8 Mar. (9) WB (FB), 29 Mar. (2) TJ (HCM, HEP).

*Vireos:* White-eyed: 10 Apr. (1) BS (KAG), and (1) LD (RTH), 15 Apr. (4) RL (MCW). Yellow-throated: 4 Apr. (1) BS (KAG). Solitary: 19 Apr. to 12 May (1) H (HCM). Red-eyed: 10 Apr. (1) LD (RTH), 12 Apr. (1) BS (KAG). Warbling: 13 Apr. (1) LD (RTH) to 26 Apr. (5) NA (TOS).

*Warblers:* Black-and-white: 28 Mar. (3) MBP (MCW), 5 Apr. (2) BS (KAG), 9 Apr. (1) LD (RTH). Prothonotary: 9 Apr. (4) RL (MCW), 26 Apr. (33) NA (TOS). Worm-eating: 16 Apr. (1) BS (KAG), 26 Apr. (2) LD (RTH) and NA (7) (TOS). Golden-winged: 28 Apr. (1) H (KAG). Blue-winged: 12 Apr. (1) BS (KAG), 14 Apr. (7) RL (MCW), 26 Apr. (30) NA (TOS). Tennessee: 20 Apr. (1) (MCW) TR, 26 Apr. (9) NA (TOS). Nashville: 29 Apr. (1) H (HCM). Parula: 26 Apr. (7) NA

(TOS). Yellow: 13 Apr. (1) LD (RTH), 15 Apr. (1) H (HCM). Black-throated Blue: 12 Apr. (1) LD (RTH). Myrtle: very scarce until migration in late April. Black-throated Green: 26 Apr. (1) RL (MCW), 28 Apr. (1) H (HCM). Cerulean: 19 Apr. (2) AC (HCM). Blackburnian: 26 Apr. (2) TJ (JP). Yellow-throated: 4 Apr. (1) SHV (KAG). Chestnut-sided: 26 Apr. (1) TJ (JP). Blackpoll: 26 Apr. (2) H (HCM, KAG). Prairie: 21 Apr. (1) H (AT), 27 Apr. (20) and 28 Apr. (23) both H (HCM). Ovenbird: 26 Apr. (2) SHV (HCM). Louisiana Waterthrush: first 23 Mar. (1) BS (KAG) and FV (JOE). Kentucky: 14 Apr. (1) RL (MCW) to 26 Apr. (46) NA (TOS). Connecticut: 28 Apr. (1) RL (AT), 7 days earliest ever NA and first there in three years. Yellowthroat: 16 Apr. (1) CP (HCM) and (1) BS (KAG), 17 Apr. (1) LD (RTH) Yellow-breasted Chat: 23 Apr. (1) LD (RTH). Hooded: 16 Apr. (1) H (HCM). Redstart: 13 Apr. (1) BS (KAG).

*Bobolinks-Tanagers:* Bobolink: 26 Apr. (25) ACM (AFG party). Red-winged Blackbird: 1 Mar. (500) WB (MCW), a migrating flock. Orchard Oriole: 15 Apr. (1) H (FM), 16 Apr. (2) H (HCM) and (1) H (HH), 17 Apr. (1) LD (RTH). Baltimore Oriole: 26 Apr. (14) NA. Common Grackle: plentiful NA during nesting time. Brown-headed Cowbird: fairly common in April NA. Scarlet Tanager: 16 Apr. (1) BS (KAG), (1) LD (RTH). Summer Tanager: 13 Apr. (1) RL (MCW), 16 Apr. (1) BS (KAG), 17 Apr. (1) LD (RTH).

*Grosbeaks-Sparrows:* Rose-breasted Grosbeak: 20 Apr. (3) NA (MCW), 22 Apr. (1) LD (RTH). Blue Grosbeak: 14 Apr. (1) H (DC), 8 days earliest ever NA; 19 Apr. (1) LD (RTH). Indigo Bunting: 19 Apr. (1) NA (KAG) then 26 Apr. with (88) NA (TOS). Evening Grosbeak: daily at H of (GM) NA with (2-48) during period; from (1-4) MC during period (GRM). Purple Finch: flocks (10-36) from all observers over period. Pine Siskin: numbers increased considerably in Feb. NA; daily at feeder (GM) NA 17 Feb. to 15 Apr. American Goldfinch: above normal NA. Savannah Sparrow: 30 Mar. (8) SHV (KAG). Vesper Sparrow: 29 Mar. (25), 30 Mar. (40-50), both SHV (KAG); 4 Apr. (7) BL (HEP). Slate-colored Junco: near normal NA; last (2) 26 Apr. NA. Chipping Sparrow: 18 Feb. (1) H (HCM), 21 Feb. (1). Harris' Sparrow: 18 Feb. (1) H (CO), 26, 27 Apr. (1) H (HH). White-crowned Sparrow: few, but normal NA. White-throated Sparrow: very scarce NA until migration, then 26 Apr. (206) (TOS). Fox Sparrow: last 7 Apr. (1) H (AT). Song Sparrow, last 4 Apr. (1) H (HCM).

*Locations:* AC—Ashland City area, ACM—Ashland City Marsh, BH—Bordeaux Heronry, BL—Bush Lake, BS—Basin Springs, farm of KAG, BV—Buena Vista Marsh, BY—Byrdstown, CL—Coleman's Lake, H—home of observer, LD—Lily Dale, MB—Murfreesboro, MC—Maury County, MBP—Montgomery Bell Park, NA—Nashville Area, OCR—Otter Creek Road, OHL—Old Hickory Lake, PPL—Percy Priest Lake, RH—Rabbit Hill, RL—Radnor Lake, RR—River Road, SHV—South Harpeth Valley, TJ—Two Jays Sanctuary, TR—Temple Road, WB—Woodbury, WC—Warren County, WR—Wood's Reservoir.

*Observers:* SB—Sue Bell, FB—Frances Bryson, DC—Mrs. David Cobb, AFG—Albert F. Ganier, KAG—Katherine A. Goodpasture, RH—Robbie Hassler, JSH—John S. Herbert, RTH—Roy T. Hinds, HH—Helen Hodgson, GRM—George R. Mayfield Jr., GM—Mrs. Geo. R. Miller, HCM—Harry C. Monk, FM—Fanny Murphy, CO—Mrs. Clifton Ogden, HEP—Henry E.

Parmer, JP—Jimmy Parrish, AT—Ann Tarbell, TOS—Nash. Chapter Spring Count, LOT—Laurence O. Trabue, MW—Marvin Webb, MCW—Mary C. Wood.

HENRY E. PARMER, 3800 Richland Ave., Nashville 37205.

EASTERN RIDGE AND VALLEY REGION—*Loons-Geese*: Common Loon: present in small numbers through 31 Mar. (1) SHL (WC, TH, JW). Horned Grebe: 20 Feb. (3) BWP (KD), 27 Feb. (2) BL (GD, HD), 13 Mar. (1) BWP (KD), 31 Mar. (8) SHL (WC, TH, JW). Pied-billed Grebe: regular, max., 16 Feb. (16) NL (KD); last, 19 Apr. (1) SHL (DC, TH). Double-crested Cormorant: 18 April (2) WBL (KD), 18 Apr. through period (1) CL (KD). Great Blue Heron: regular through period; max., 14 Feb. (100) HRA (WiC *vide* KD). Green Heron: firsts, 6 Apr. (3) AM (KD), 8 April (1) JS (RH), 11 Apr. (1) K (BL). Cattle Egret: 15 Mar. (12) K (RS). Common Egret: 6 April (5) HRA (KD). Black-crowned Night Heron: 6 April through period (1 to 6) AM (KD, ML). Yellow-crowned Night Heron: 4 Apr., 12 Apr. (1) and (2) G (RN), 8 Apr. (1) JC (KJ). Least Bittern: 29 Apr. (1) AM (KD). American Bittern: 4, 8, 16 Apr. (1) K (BL); 4, 12 Apr. (1) G (RN); 6 Apr. through period MP (KD). Canada Goose: from start of period (200) in decreasing numbers until 5 Apr. Co L (FO); 2 Feb. (37) KSP (FA, JMC, RME, GW).

*Ducks-Mergansers*: Mallard: max., 2 Feb. (25) KSP (FA, JMC, RME, GW); last, 19 Apr. (5) OR (FA, GW). Black Duck: max., 14 Feb. (131) BWP and HRA (KD); last, 12 Apr. (2) JS (RH). Gadwall: max., 7 Feb. (18) NL (KD); last, 10 Apr. (6) SB (KD). Pintail: 13 Mar. (6) BWP (KD). Green-winged Teal: 31 Mar. (1) SHR (WC, TH, JW), 6 Apr. (2) SB (KD). Blue-winged Teal: first, 20 Mar. (3) BWP and SB (KD). American Widgeon: last, 10 Apr. (1) SB (KD). Shoveler: from 20 Mar. (8) BWP (KD) to 18 Apr. (2) HRA (KD); max., 6 Apr. (18) (KD). Redhead: 2 Mar. (2) BL (LRH), 26 Mar. (7) BL (GD, HD), 27 Mar. (13) BWP (KD). Ring-necked Duck: max., 6 Mar. (97) HRA (KD), last, 29 Mar. (2) PHL (WC, TH). Canvasback: 2 Feb. (4) KSP (FA, JMC, RME, GW), 27 Feb. (2) PHL (GD, HD), 20 Mar. (8) BWP (KD). Greater Scaup: max., 27 Feb. (122) BWP (KD); last, 27 Mar. (12) BWP (KD). Lesser Scaup: max. 29 Mar. (96) BL (WC, TH); last, 19 Apr. (22) SHL (WC, TH). Common Goldeneye: max., 1 Feb. (35) BWP (JD); last, 6 Apr. (2) BWP (KD). Bufflehead: max., 20 Mar. (37) HRA (KD); last, 18 Apr. (5) HRA (KD). Oldsquaw: 16 Mar. (1) F (FO, KOS). Hooded Merganser: max. 2 Feb. (9) KSP (FA, JMC, RME, GW); last, 27 Apr. (2) SHL (WC, TH). Red-breasted Merganser: 13 Mar. (1) CL (KD), 17 Apr. (1) NL (KD).

*Vultures-Gulls*: Turkey Vulture: roost, max., 14 Mar. (35) LHS (KD). Black Vulture: roost, max. 23 Feb. (97) LHS (KD); 19 Apr. (15) OR (FA, GW), 27 Apr. (7) SHL (WC, TH). Sharp-shinned Hawk: 20 Mar. (1) HRA (KD), 25 Apr. (1) Col (RS). Cooper's Hawk: 23 Mar. (1) S (FA, JA, JMC, JS, LS). Red-tailed Hawk: present in small numbers through period in most areas of region. Red-shouldered Hawk: 1 to 2 regular in CH area with two active nests (KD). Broad-winged Hawk: firsts, 11 Apr. (2) TRG (KD, RS), 17 Apr. (20) N (FO), 19 Apr. (41) SHL (WC, TH). Bald Eagle: 8 Apr. (1) BL (RT). Marsh Hawk: 10 Apr. (1) HRA (KD), 14 Apr. (1) NL (KD). Osprey: firsts, 26 Mar. (1) HRA (WiC *vide* KD); two active nest

sites, CL, WBL (KD); 9 Apr. (1) OR (JMC), 9 Apr. (2) BL (WAB, CRS), 19 Apr. (1) SHL (WC, TH). Peregrine Falcon: 20 Apr. (1) SHL (WC). Ruffed Grouse: 9 Apr. (1) Col at about 1000 ft (ML), first report from this area (KD). Ring-necked Pheasant: 10 Apr. (1) HRA (KD). Sandhill Crane: 13 Mar. (100) SB (KD). King Rail: 6, 16 Apr. (1) AM (ML, KD). Sora: firsts, 6 Apr. (1) AM (ML), 20 Apr. (1) K (BL). American Coot: max., 7 Feb. (4000) NL (KD); last, 19 Apr. (15) OR (FA, GW). Common Snipe: last, 27 Apr. (2) K (JMC). Spotted Sandpiper: first, 12 Apr. (2) SHL (WC, TH). Solitary Sandpiper: first, 16 Apr. (2) AM (KD), 16 Apr. (1) G (RN). Greater Yellowlegs: firsts, 16 Mar. (2) F (FO), 23 Mar. (7) G (RN) K (OS), 10 Apr. (4) DL (BB). Lesser Yellowlegs: first, 16 Mar. (1) G (RN). Pectoral Sandpiper: 13 Mar. (3) SB (KD), 27 Mar. (44) SB and HRA (KD), 12 Apr. (1) G (RH). Dunlin: regular at SB until 10 Apr. (15) (KD); max., 20 Mar. (82). Dowitcher (species unknown): 10 Apr. (1) SB (KD). Herring Gull: max., 13 Feb. (30) BWP (KD); last, 27 Apr. (1) SHL (WC, TH). Ring-billed Gull: max. 27 Feb. (709) CL (KD); until end of period in Bristol area (WC). Bonaparte's Gull: 10 Apr. (7) DL (BB), 12 Apr. (2) G (RH).

*Owl-Pipits:* Barn Owl: 7 Feb. (1) G (RN), 24 Mar. (1) G (RN). Great-horned Owl: 4 Feb. (1) G (RN). Chuck-will's-widow: 27 Apr. (4) K (JMC). Whip-poor-will: 27 Apr. (2) K (JMC). Common Nighthawk: first, 17 Apr. (1) B (WC). Chimney Swift: firsts, 27 Mar. (1) CH (KD), 6 Apr. (1) G (RN), 10 Apr. (1) B (WC). Yellow-bellied Sapsucker: last, 23 Apr. (1) Col (ML). Eastern Kingbird: from start of period until 30 Mar. (1) N (FO); first, 13 Apr. (1) K (FA). Great Crested Flycatcher: first, 17 Apr. (1) Col (LL). Acadian Flycatcher: first, 24 Apr. (1) TRG (KD). Horned Lark: present through period; max., 17 Feb. (55) G (RN). Tree Swallow: firsts, 7, 13 Mar. (2) HRA (KD), 27 Mar. (10) BWP, SB (KD), 2 Apr. (5) N (FO). Rough-winged Swallow: firsts, 21 Mar. (1) Col (RS), 29 Mar. (1) BL (WC, TH), 30 Mar. (1) K (FA, JMC). Barn Swallow: firsts, 27 Mar. (1) BWP (KD), 29 Mar. (7) BL (WC, TH). Cliff Swallow: first, 31 Mar. CL (JD). Purple Martin: first, 8 Mar. (2) SB (KD). Red-breasted Nuthatch: last, 26 Apr. (1) K (MS). Brown-headed Nuthatch: (2) regular through period Col (NH *vide* KD). Brown Creeper: last records, 4 Apr. (12) K (BL), 7 Apr. (1) JC (PR). House Wren: 12 Apr. (1) B (WC), 17 Apr. (1) JC (WAB, PR), 22 Apr. (1) G (HS). Winter Wren: 16 Apr. (1) Col (ML). Catbird: first, 16 Apr. (1) Col (ML). Brown Thrasher: through period (1) G (ED). Wood Thrush: firsts, 4 Apr. (1) K (MS), 6 Apr. (1) MP (KD). Swainson's Thrush: firsts, 22 Apr. (2) JC (WAB), 28 Apr. (1) K (MS). Gray-cheeked Thrush: 28 Apr. (1) K (MS). Veery: 29 Apr. (1) K (FA). Blue-gray Gnatcatcher: first, 2 Apr. (1) Col (ML). Golden-crowned Kinglet: last, 6 Apr. (3) HRA (KD). Ruby-crowned Kinglet: regular through period; max., 19 Apr. (40) K (JMC, RME, ES). Water Pipit: last, 10 Apr. (65) HRA (KD).

*Vireos-Warblers:* White-eyed Vireo: firsts, 12 Apr. (2) CB (KD), 12 Apr. (1) G (RH). Yellow-throated Vireo: first, 8 Apr. (1) CL (MT). Solitary Vireo: first, 31 Mar. (1) K (MS). Red-eyed Vireo: first, 11 Apr. (1) PCR (KD). Warbling Vireo: first, 20 Apr. (1) Col (RS). Black-and-white Warbler: first, 1 Apr. (1) K (FA). Prothonotary Warbler: first, 11 Apr. (2) PCR (KD). Worm-eating Warbler: first, 8 Apr. (1) Col (ML). Golden-winged Warbler: first, 19 Apr. (1) K (JMC, RME, ES). Blue-winged Warbler: first,

18 Apr. (1) CB (KD). Tennessee Warbler: 29 Apr. (1) K (FA). Nashville Warbler: first, 26 Apr. (1) K (JMC). Orange-crowned Warbler: 13 Apr. (1) K (FA, JMC, JBO, KCOS). Parula Warbler: first, 6 Apr. (1) MP (KD). Yellow Warbler: first, 6 Apr. (1) DL (BB), 6 Apr. (1) G. (RN). Magnolia Warbler: first, 19 Apr. (1) DL (BB). Cape May Warbler: first, 23 Apr. (1) Col (ML). Black-throated Blue Warbler: 23 Apr. (1) K (MS). Myrtle Warbler: present through period. Black-throated Green Warbler: first, 4 Apr. (1) Col (ML). Cerulean Warbler: first, 11 Apr. (1) TRG (KD). Blackburnian Warbler: first, 12 Apr. (1) K (JMC, RME, ES). Yellow-throated Warbler: first, 4 Apr. (1) K (BL). Chestnut-sided Warbler: first, 26 Apr. (1) K (JMC). Blackpoll Warbler: first, 12 Apr. (1) Col (LL). Pine Warbler: 21 Feb. (1) BL (GD), 30 Mar. (1) SHL (WC, TH). Prairie Warbler: first, 11 Apr. (3) TRG (KD). Palm Warbler: first, 12 Apr. (1) Col (RS). Ovenbird: first, 12 Apr. (2) K (JMC, RME, ES). Northern Waterthrush: 24 Apr. (1) TRG (KD), 29, 30 Apr. (1) Col (ML). Louisiana Waterthrush: first, 30 Mar. (2) SHL (WC, TH). Kentucky Warbler: first, 16 Apr. (1) Col (ML). Yellowthroat: firsts, 12 Apr. (1) CB (KD), 12 Apr. (1) K (BL). Yellow-breasted Chat: first, 24 Apr. (3) TRG (KD). Hooded Warbler: first, 8 Apr. (1) Col (ML). Canada Warbler: firsts, 17 Apr. (1) TRG (KD), 19 Apr. (1) K (JMC, RME, ES). American Redstart: first, 11 Apr. (1) Col (RS), 11 Apr. (1) K (FA).

*Orioles-Sparrows*: Orchard Oriole: first, 18 Apr. (1) SB (KD). Baltimore Oriole: 19 Apr. (1) K (FA). Rusty Blackbird: 6 Apr. (30) MP (KD). Brewer's Blackbird: 2 Mar. (50) TCA (LRH). Scarlet Tanager: first, 1 Apr. (1) K (FA). Summer Tanager: first, 16 Apr. (1) Col (ML). Rose-breasted Grosbeak: firsts, 26 Apr. (1) Col (RS), 27 Apr. (1) B (WC). Black-headed Grosbeak: from start of period until 24 Apr. (1) S (FA, JMC, BR, KOS). Blue Grosbeak: first, 25 Apr. (1) OW. Indigo Bunting: first, 9 Apr. (1) Col (ML). Evening Grosbeak: present throughout period in larger than usual numbers. Purple Finch: present through late April. Pine Siskin: through period (1-7) Ch (KD), 7 Mar. (1) N (FO), 12 Apr. (1) K (JMC, MG, BW), 27 Mar. 4 Apr., 9 Apr., 21 Apr. (1 to 21) JC (HD). Savannah Sparrow: 8 Mar. (2) JC (GD, HD). Grasshopper Sparrow: 16 Apr. (1) G (RN), 17 Apr. (1) JC (HD). Vesper Sparrow: 21 Feb. (1) PCR (KD), 29 Mar. (6) BL (WC, TH), 6 Apr. (1) HRA (KD). Slate-colored Junco: last, 21 Apr. (2) PP (KD). Chipping Sparrow: firsts, 23 Mar. (1) JC (HD), 30 Mar. (1) K (FA). Harris' Sparrow: 1 Feb. through 28 Apr. (1) G (RN). White-crowned Sparrow: present in scattered locations throughout region and period. White-throated Sparrow: throughout region and period. Fox Sparrow: regular until 6 Apr. (1) MP (KD), 25 Feb.-14 Mar. (1-2) JC (HD). Swamp Sparrow: last records, 12 Apr. (4) G (RN), 27 Apr. (8) K (JMC, KOS).

*Locations*: AM—Amnicola Marsh, B—Bristol, BL—Boone Lake, BWP—Booker T. Washington State Park, CB—Chickamauga Battlefield, CH—Chattanooga, CL—Chickamauga Lake, Col—Cove Lake State Park, Col—Collegedale, DL—Dunlap, F—Friendsville, G—Greeneville, JC—Johnson City, JS—John Sevier Steam Plant Area, K—Knoxville, KSP—Kingston Steam Plant, LHS—Long Hollow Swamp, Marion County, MP—Morse Pond, N—Norris, NL—Nickajack Lake, OR—Oak Ridge, OW—Old Washington, PCR—Powell Cross Road (Chat Area), PHL—Patrick Henry Lake, PP—Point Park, S—Sevierville, SB—Savannah Bay, SHL—South Holston Lake, SHR—South Hols-

ton River, TCA—near Tri-Cities Airport, TRG—Tenn. River Gorge near Chattanooga, WBL—Watts Bar Lake.

*Observers:* FA—Fred Alsop, JA—Jean Alsop, BB—Benton Basham, WAB—Bill Bridgforth, JMC—James M. Campbell, WiC—Wilford Caraway, WC—Wallace Coffey, ED—Elva Darnell, GD—Mrs. Geo. Dove, HD—Mrs. Harold Dillenbeck, KD—Ken Dubke, JD—Jon DeVore, RME—Ray M. (Danny) Ellis, MG—Maurice Grigsby, NH—Nat Halverson, TH—Tim Hawk, LRH—Lee R. Herndon, RH—Robert Holt, KJ—Katherine Jones, BL—Beth Lacy, L—Lindsey Lilly, M—Mike Lilly, RN—Richard and Ruth Nevius, FO—Frances Olson, JBO—J. B. Owen, PR—Pete Range, BR—Barbara Rankin, MS—Mable Sanders, CRS—Charles R. Smith, ES—Ed Smith, JS—Johneta Smith, KOS—Knoxville Chapter T.O.S., LS—Louis Smith, HS—Helen Spees, RS—Roger Swanson, RT—Reid Tatum, MT—Mary Tunsberg, GW—Gary Wallace, JW—Johnny Wood, BW—Beth Wuest.

JAMES M. CAMPBELL, 15 Hedgewood Drive, Knoxville 37918.

EASTERN MOUNTAIN REGION: *Grebe-Snipe:* Pied-billed Grebe: last 6 April (1) WiL. Great Blue Heron: last 18 Mar. (1) MC (CRS). Mallard: last 6 April (2) WiL (CRS). Black Duck: last 18 Mar. (2) WiL. Gadwall: only on 2 Mar. (2) WiL (LRH). Pintail: 5 Mar. (3) WaL (FWB). Green-winged Teal: 31 Mar. (1) EFH (WAB, CRS). Blue-winged Teal: 29 Mar. (3) HCV (MS). American Widgeon: last 2 Apr. (1) WiL (LRH). Wood Duck: 31 Mar. (6) EFH (WAB, CRS). Ring-necked Duck: last 6 Apr. (18) WiL (CRS). Lesser Scaup: last 18 Mar. (1) WiL (CRS). Common Goldeneye: only on 9 Feb. (4) WaL (CRS). Bufflehead: 6 Apr. (46) WiL (CRS). White-winged Scoter: 9 Feb. (1) WaL (LRH, CRS). Black Vulture: 3 Feb. (5) BM (CRS), 22 Mar. (2) BM (CRS). Cooper's Hawk: 23 Mar. (1) SV (CRS). Broad-winged Hawk: first 13 Apr. (1) SC (CRS); 12 Apr. (4) HCV (MS). Rough-legged hawk: 26 Apr. (1) HCV (MS). Golden Eagle: 2 Feb. (1) CC (SC). Marsh Hawk: 19 Apr. (1) HCV (MS). Pigeon Hawk: 26 Apr. (1) with small snake, HCV (MS). Ruffed Grouse: throughout Mar. and Apr. (1-2) near MC (CRS). American Coot: 30 Mar. (1) LPN (FWB). American Woodcock: 4 Mar. WaR (FWB). Common Snipe: 19 Mar.-9 Apr. (1-2) at MC (CRS).

*Owls-Kinglets:* Barred Owl: 17 Apr. (2) RM (FWB); 9 Feb. (1) CC (LN). Whip-poor-will: first 17 Apr. SC (FWB). Saw-whet Owl: 25 Apr. (1) (FA, JMC). Chuck-will's-widow: first 27 Apr. (1) MC (CRS). Chimney Swift: first 30 Mar. (1) MC (CRS). Ruby-throated Hummingbird: first 26 Apr. (1) HCV (MS). Red-bellied Woodpecker: throughout Mar. and Apr. (1-2) EGC (LRH). Eastern Kingbird: first 4 Apr. (2) HCV (MS). Great Crested Flycatcher: first 19 Apr. (3) HCV (MS). Acadian Flycatcher: first 27 Apr. (2) HCV (MS). Eastern Wood Pewee: first 19 Apr. Tree Swallow: first 4 Apr. (5) HCV (MS). Rough-winged Swallow: first 30 Mar. (2) MC (CRS). Barn Swallow: first 31 Mar. (6) EFH (WAB, CRS). Purple Martin: first 4 Apr. (11) HCV (MS). Common Raven: 23 Mar. (2) RM (FWB), 20 Apr. (2) UM (CRS). Brown Creeper: last 2 Apr. (1) MC (CRS), 19 Apr. (1) HCV (MS). Catbird: first 19 Apr. (1) HCV (MS). Hermit Thrush: only on 9 Feb. (1) WaL (LRH, CRS). Wood Thrush: first 17 Apr. (3) MC (CRS). Blue-gray Gnatcatcher: first 4 Apr. (2) MC (CRS). Ruby-crowned Kinglet: last 31 Mar. (1) EFH (WAB, CRS).

*Vircos-Sparrows*: White-eyed Vireo: first 16 Apr. (1) MC (CRS). Solitary Vireo: first 4 Apr. (2) RM (CRS). Black-and-white Warbler: 13 Apr. (1) LA (CRS). Prothonotary Warbler: first 12 Apr. (1) HCV (MS). Worm-eating Warbler: first 13 Apr. (1) LA (CRS). Golden-winged Warbler: first 26 Apr. (2) HCV (MS). Parula Warbler: first 17 Apr. (1) U (CRS). Yellow Warbler: first 20 Apr. (5) HCV (MS). Black-throated Green Warbler: first 4 Apr. (1) HCV (MS). Yellow-throated Warbler: first 11 Apr. (1) BM (HD, LH). Chestnut-sided Warbler: first 17 Apr. (1) U (CRS). Ovenbird: first 17 Apr. (1) U (CRS). Pine Warbler: 13 Apr. (3) (GOS). Louisiana Waterthrush: first 30 Mar. (1) LA (CRS). Yellowthroat: first 20 Apr. (1) U (CRS). Yellow-breasted Chat: 26 Apr. (2) HCV (MS). Hooded Warbler: first 13 Apr. (2) (GOS). Rusty Blackbird: 23 Mar. (8) SV (WAB, DF, CRS). Scarlet Tanager: first 17 Apr. (1) U (CRS). Rose-breasted Grosbeak: 19 Apr. (1) HCV (MS). Evening Grosbeak: throughout period E; max. 22 Feb. (100) (RDM). Pine Siskin: 20 Apr. (10) UM (CRS). Savannah Sparrow: 23 Mar. (2) SV (CRS), 25 Mar. (2) EGC (LRH). Vesper Sparrow: first 23 Mar. (5) SV (CRS). White-crowned Sparrow; last 21 Apr. (1) E (FWB). Fox Sparrow: 16 Feb. (1) EGC (LRH). Swamp Sparrow: 30 Mar. (1) MC (CRS).

*Locations*: BM—Buffalo Mountain, CC—Cades Cove, Great Smoky Mountain National Park; GOS—Greenville Chapter, T.O.S.; HCV—Heaton Creek Valley, Roan Mountain; LA—The Laurels Picnic Area, E—Elizabethton, EFH—Erwin Fish Hatchery, EGC—Elizabethton Golf Course, LPN—Lake Phillip Nelson, MC—Milligan College, RM—Roan Mountain, SC—Stoney Creek, SV—Shady Valley, U—Unicoi, UM—Unaka Mountain, WaL—Watauga Lake, WaR—Watauga River, WiL—Wilbur Lake.

*Observers*: FWB—Fred W. Behrend, WAB—Bill Bridgforth, SC—Scott Christy, DF—David Fenner, LH—Mrs. Lee R. Herndon, LRH—Lee R. Herndon, RDM—Roby D. May, LN—Miss Louise Nunnally, CRS—Charles R. Smith, MS—Mrs. Maxie Swindell.

DANNY ELLIS, 1 Hedgewood Drive, Knoxville 37918.

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

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