

THE MIGRANT

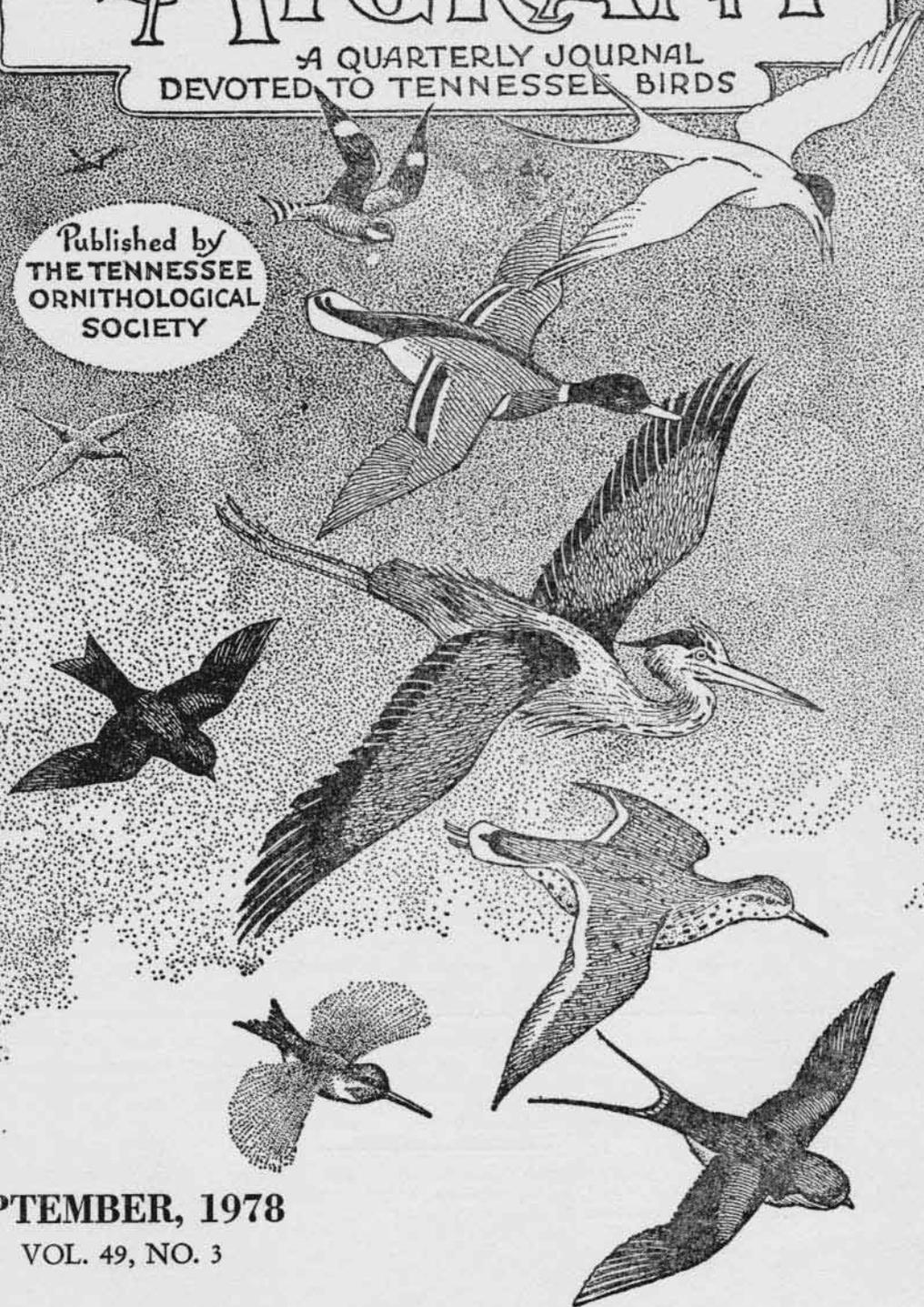
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VOL. 49

SEPTEMBER, 1978

NO. 3

ANNUAL AUTUMN HAWK COUNT

THOMAS W. FINUCANE

The 1977 fall hawk migration was spectacular. Sharp-shinned Hawks, Coopers Hawks, Broad-winged Hawks, and American Kestrels were observed at T.O.S. stations in greater numbers than ever before. Twelve species of hawks, both eagles, and both vultures were reported, a record total of 16 species. Of the 17 listed on the forms supplied by HMANA (Hawk Migration Association of North America) only Swainson's Hawk was not (and never has been) in our data. Hours of observation were below average.

Sharp-shinned Hawks have been flying by T.O.S. lookouts in greater numbers in recent years. In 1975 the count was 159, a jump of 50% above the record high of 1972. Next year it was 168. Then in 1977 the count soared to 467, including 63 and 64 on 23 and 24 Sept., reported by E. E. Scott on the Mendota Fire Tower, and 67 on 15 Oct., reported by Tom Odom on the Kyles Fire Tower.

Counts of accipiters are always much higher at stations north of the T.O.S. area. Harvey's Knob, on the Blue Ridge, had 81 Sharp-shins in four hours on 10 October. Pennsylvania stations have season counts of thousands, and even higher numbers are recorded at points on the north shores of the Great Lakes. All stations are now reporting spectacular increases in Sharp-shinned Hawk numbers. After more than 20 years of diminishing counts, this species seems to have regained its old population levels in just a few years.

Our Broad-winged Hawk total was 24,571, higher than ever before but only 50% above the average for the preceding ten years. In 1968 the count was 24,036 with relatively poor coverage. In 1974 no one was on the Mendota Fire Tower on the best Broad-winged Hawk day at neighboring stations. Other good days were missed also, and we had to be satisfied with a total of 23,564. In 1977, however, Mendota had an eight-day watch, 18 to 25 Sept., averaging 8.75 hours, following a week of heavy clouds and rain. After the first two days, with 267 and 532, on the next four days E. E. Scott counted 14,387 Broad-winged Hawks, 210 accipiters, three eagles, and 57 American Kestrels. Then the Broad-winged flights dropped to 1031 and 439, followed by two more days of rain.

The outstanding migration days were 20 September, when 25 American Kestrels and 4,000 other raptors flew past the Mendota Fire Tower, and 23 September, when the count there was 7,000, including a Golden Eagle and a

TABLE 1
ANNUAL AUTUMN HAWK COUNT, 1977

No	Date	Obs	Hrs	Station	Alt	Wind	Sky	T	SS	CH	RT	BW	MH	OS	AK	Others
1	9/10	K	9	Signal Point	1972	SW 8	75 85	5	-	-	1	1	-	-	-	s
2	10	F	5	Kyles Ford FT	2401	-	100 -	-	-	-	-	-	-	-	-	-
3	10	C	2½	Holston Radar	4332	W B-1	rain 65	1	-	-	-	-	-	-	-	rain
4	11	K	9	Signal Point	1972	ENE 14	0 75	5	-	3	-	-	-	-	2	-
5	11	L	5	White Oak FT	1425	NNE 12	0 71	-	-	1	4	-	-	-	-	-
6	12	F	6	Kyles Ford FT	2401	SE 10	65 72	-	-	-	-	86	-	-	-	3b
7	13	F	6	Kyles Ford FT	2401	SE 0-30	95 70	-	-	1	17	-	-	-	-	rain
8	13	C	2	Holston Radar	4332	SSW 30	100 60	-	-	-	-	-	-	-	-	rain
9	13	A	2	Mendota FT	3018	S 5-10	100 60	-	-	-	-	45	-	-	-	rain
10	15	F	6	Kyles Ford FT	2401	SE 20	84 73	1	-	-	-	30	-	-	-	b
11	15	C	4	Holston Radar	4332	SSE 20	100 -	-	-	-	-	13	-	-	-	-
12	16	L	6	Dunlap FT	2240	SW 0-5	80 72	-	-	1	5	247	-	-	-	-
13	16	FJ	5	Kyles Ford FT	2401	-	100 -	-	-	-	-	63	-	-	-	rain
14	17	D	6	Fall Creek FT	2026	var. B-1	60 81	4	-	-	-	752	2	-	-	2s b u
15	17	L	8	White Oak Mt FT	1425	SW 9	50 77	7	2	8	215	-	2	1	1	RS
16	17	K	9	Signal Point	1972	S 8	70 81	4	-	2	10	-	-	-	1	-
17	17	W	1	Fairfield Glade	-	WNW 0-3	50 78	-	-	-	-	75	-	-	-	-
18	17	C	2	Holston Radar	4332	-	100 -	-	-	-	-	-	-	-	-	fog
19	18	D	7	Fall Creek FT	2026	W 5-12	70 76	2	-	-	-	167	1	2	1	Merlin
20	18	K	9	Signal Point	1972	W 8	40 83	2	-	-	-	29	1	1	2	Peregr.
21	18	W	5½	Fairfield Glade	-	W 0-3	30 73	-	-	-	-	24	-	-	-	-
22	18	FGS	9	Mendota FT	3018	SW 10	80 78	19	7	7	267	1	1	1	1	-
23	18	R	6	Kyles Ford FT	2401	-	-	-	3	-	-	263	-	2	-	-
24	18	C	5	Holston Mt Radar	4332	var. 5	100 65	1	-	-	-	31	-	-	-	fog
25	19	W	2½	Fairfield Glade	-	WNW 0-6	75 70	-	-	-	-	304	-	-	-	RS
26	19	HMS	9	Mendota FT	3018	S 5-20	80 77	15	11	7	532	1	-	6	6	BE
27	20	O	2	Chickasaw Btfd	-	N 7	40 76	-	-	-	-	85	-	-	-	-
28	20	U	2	Tiftonia	-	5	40 73	-	-	-	-	86	-	-	-	-
29	20	KL	4	White Oak FT	1425	N 5	60 75	1	-	4	569	-	-	-	1	-
30	20	W	4½	Fairfield Glade	-	NW 0-6	50 70	-	-	-	-	58	-	-	-	4s 2u
31	20	F	5	Kyles Ford	2401	NW 12	40 74	2	-	-	-	830	-	-	-	2s 2b u
32	20	C	3½	Holston Mt Radar	4332	W 10	-	63	-	-	1	-	-	1	2	fog
33	20	S	9	Mendota FT	3018	W 5-15	50 68	42	19	10	3953	-	2	25	4s	
34	21	W	1	Fairfield Glade	-	W 0-2	5 68	-	-	-	-	22	-	-	-	2u
35	21	F	6	Kyles Ford FT	2401	E 3	45 70	1	-	-	-	306	1	-	2	-
36	21	C	4	Holston Mt Radar	4332	S 1	-	62	-	2	12	-	1	-	-	-
37	21	AQS	10	Mendota FT	3018	NW 0-10	5 56	18	6	9	1145	-	1	8	-	-
38	22	W	3	Fairfield Glade	-	NW 0-2	5 62	-	-	-	-	257	-	-	-	-
39	22	F	7	Kyles Ford FT	2401	v. 3	7 75	-	-	-	-	168	-	-	-	s u
40	22	C	5	Holston Mt Radar	4332	W 5	50 66	-	-	1	5	-	-	-	-	haze
41	22	SZ	9	Mendota FT	3018	S 0-5	0 65	17	5	4	1903	-	1	12	2s	
42	23	W	4	Fairfield Glade	-	NW 0-2	5 -	-	-	-	-	-	-	-	-	-
43	23	F	4	Kyles Ford FT	2401	-	30 -	-	-	-	-	2577	-	-	-	-
44	23	SR	9	Mendota FT	3018	S 0-10	20 64	63	34	-	6888	-	4	12	BE GE	
45	24	-	7	Bon Air	-	S 12-18	95 70	-	-	1	3	-	-	-	-	-
46	24	LD	8	Dunlap FT	2240	S 10-15	95 72	8	4	1	136	1	1	1	s b	
47	24	U	2	White Oak FT	1425	SSW 16	100 79	2	-	-	2	-	-	-	-	-
48	24	K	8	Signal Point	1972	SSW 12	100 82	-	-	-	73	-	1	-	s	
49	24	FISV	9	Mendota FT	3018	S 10	80 70	64	16	-	1051	1	4	4	GOS RS	
50	25	R	4½	Kyles Ford FT	2401	SW	100 -	8	11	-	431	-	1	-	3RS 5u	
51	25	A	7	Mendota FT	3018	5-15	75 75	52	7	-	439	-	1	-	s	
52	26	W	1½	Fairfield Glade	-	W 0-2	50 75	1	-	-	110	-	-	-	3b	
53	27	W	3	Fairfield Glade	-	N 0-3	5 73	4	-	1	48	-	6	-	-	
54	28	W	2	Fairfield Glade	-	5-8 NW-NE	5 55	1	-	-	53	-	-	-	-	
55	28	BFHP	6	Mendota FT	3018	N 5-15	70 70	14	2	3	79	-	-	-	5s 2u RS	
56	29	W	4	Fairfield Glade	-	0-4 S-SW	100 58	1	-	-	47	-	-	-	2b u	
57	29	C	-	Holston Mt Radar	4332	-	-	-	-	-	18	-	-	-	u	
58	10/1	-	1½	Mendota FT	3018	N 10-15	-	60	3	-	36	-	-	-	-	
59	2	Y	3½	Mendota FT	3018	-	-	-	13	7	7	26	1	1	2	-
60	4	A	4	Mendota FT	3018	N 3-10	7 55	5	-	1	-	-	-	-	-	Roughleg
61	9	C	2½	Holston Mt Radar	4332	W 10-15	67 -	13	-	-	-	-	-	-	-	3u
62	15	T	7	Kyles Ford	2401	S 5-20	0 50	67	-	13	-	-	-	-	-	u
63	22	T	5	Kyles Ford	2401	SW 0-5	0 60	1	1	5	-	-	-	-	-	u

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FF M GOS GE 2BE RL 6RS 467 137 97 24571 10 33 83 25s 10b

Bald Eagle, both adults, and 6,888 Broad-winged Hawks. Also on that day T. Finucane had 2,577 Broadwings before noon at Kyles Ford, 44 WSW of Mendota on the same ridge. On 24 September eight species, not counting vultures, were seen soaring past Mendota.

No T.O.S. station had ever observed eight species in one day, and there were only three seven-species days in the preceding three years. In 1977 seven

T.O.S. reports listed seven or more species, although total watches were only 63. There were 70, 98, and 80 watches in 1976-75-74.

The Marsh Hawk total was 10, lowest since 1970. The Osprey count was 33, second only to the 1972 total of 36. American Kestrels provided the greatest surprise. Eighty-three flew by. Average for the preceding three years was only 28 Kestrels.

A Goshawk was added to the list for Mendota after Mike Tove, Cullowhee, North Carolina, identified the bird from photographs he had made on 24 September. A Rough-legged Hawk, light phase, was spotted at Mendota by Arthur Smith on 4 October. The Peregrine was observed by Ken Dubke, 18 September, at Signal Point. The Merlin was recorded by Daniel Jacobson, 17 September, on the Fall Creek Falls fire tower.

Rainfall in Tennessee in September was more than 50% above normal. Between two periods of adverse weather, our Broad-winged migration started late and ended early. Dark clouds and rain extended over our eastern stations from 10 to 17 September. During this period we went to Kyles Ford five times, on days when morning rain was not falling. Two of these watches were terminated by rain. Mendota, 44 miles ENE, was having the same weather.

The first substantial flight was recorded, 16 September, by Lil Dubke on Dunlap Fire Tower on the west side of our group of stations. The count was 253 hawks, 40 more than the combined totals of eleven earlier reports. On that day the flight was going well at Kyles Ford (63 Broad-wings during the first hour) until terminated by a heavy rain that fell for hours while we waited in a shelter nearby. Rain was still falling when we left the mountain, but the highway, a few miles south, was dry and sunny.

On 17 September Fall Creek Falls had 762 hawks, white Oak had 235, including seven species, and Gene West, Fairfield Glade, counted 75 Broad-winged Hawks in one hour. Four days of fair weather for all stations followed (18-21 Sept.). The halfway point in the Broad-wing count came on 22 September, on schedule. Next day, Friday, Mendota and Kyles Ford had their highest totals, but no other counts were reported. Another weather system was approaching from the west.

Only six lookouts had observers on the final weekend of September, five on Saturday and two on Sunday. Mendota had counts on both days. All reported 95 or 100% cloud cover except Mendota, where it was 75 and 80% for the two days. On 24 September 2.65" of rain fell on Memphis. Mrs. Bell's Nashville group's lookout at Bon Air, north of Fall Creek Falls, had only two hawks on Saturday and rain on Sunday. After two productive weekend days in 1974 the Nashville watchers have been rained out every year.

Although dark skies and rain on the weekend coming two days after the peak date of the Broad-winged Hawk migration severely shortened the season, especially for people who are free to participate only on weekends, the T.O.S. had a really great hawk migration in the fall of 1977.

KEY TO REPORTERS

A—Arthur Smith, Kingsport; B—Harold Benfield, Buffalo, N.Y.; C—

Charlotte Finucane, Kingsport; D—Daniel Jacobson, Wildwood, Ga.; F—Tom Finucane, Kingsport; G—Grandfather Mountain Audubon Society, Linville, N.C.; H—Lee Herndon, Elizabethton; I—Rick Phillips, Kingsport; J—Joe Finucane, Knoxville; K—Ken Dubke, Ooltewah; L—Lil Dubke; M—John Martin, Elizabethton; N—Richard Nevius, Greeneville; O—O’Kelley, Chickamauga Battlefield; P—Bill Portloch, Big Stone Gap, Va.; Q—Bob Quillen, Bristol, Va.; R—Ruth Nevius, Greeneville; S—E. E. Scott, Nicklesville, Va.; T—Tom Odom, Kingsport; U—Bruce Wilkey; V—Mike Tove, Cullowhee, N.C.; W—Gene West, Fairfield Glade; Y—Tom Haggerty and Libbus Carter, Boone, N.C.; Z—Bill and Nell Rice; 45—Mrs. Bell’s Nashville group; 58—H. H. Hannabass, Kingsport.

Wind is represented as miles per hour, and “sky” stands for cloud cover.
1434 Watauga St., Kingsport 37664.

BOOK REVIEW

THE WEB OF ADAPTATION. 1976. By David W. Snow. Quadrangle/The New York Times Book Co., New York 176 pages, 15 black and white illustrations. \$8.95. This is a well written book in a non-technical style. Dr. Snow discusses courtship, mating, nesting, and other forms of behavior of various kinds of birds, mostly the fruit eaters, and speculates on why these particular behavior patterns have been established, and why related species differ in some of them, and why unrelated species may have some similar and some dissimilar traits.

Some of the more interesting parts of this book are the discussions of the consequences of fruit eating on the evolution of the behavior of birds and the way the fruit-bearing trees and fruit-eating birds have become dependent on each other.

Another interesting feature is the discussion of the different conditions for survival in tropical versus temperate forest habitats. Tropical birds have low reproductive rates and high nesting mortality compared to our northern species. They are also largely immuned to starvation and are long-lived.

The last chapter, The Future of the Cotingas, deals with their preservation. They depend on undisturbed tropical forests. At the rate that kind of habitat is being destroyed, some members of the family may become extinct before their biology can be documented.

GARY O. WALLACE.

TELEVISION TOWER CASUALTIES, 1976

KATHERINE A. GOODPASTURE

Bird casualties totaled 406 of 43 species were picked up at television towers in Nashville, Tennessee September and October 1976: 292 at WSM, 114 at WNGE. Collections were made daily for two months except on 5 October at WSM and on 4 and 5 September and 3 October at WNGE. In addition, Mike Bierly covered WNGE on 16 August and 1-3 November.

No new species was added to the cumulated list nor was any early or late migration date established.

Ovenbirds (63) gave the highest count: 49 at WSM, 14 at WNGE. Highest species total at WNGE were 18 Magnolia Warblers and the same number of Bay-breasted Warblers. Fifty-six Tennessees and 37 each of Magnolias and Bay-breasted Warblers at WSM show the taper of species totals. A single Mourning Warbler and 1 Yellow-bellied Flycatcher from WNGE, 1 Virginia Rail and 1 Am. Coot at WSM are of some interest.

On 29 September when 137 casualties were collected at WSM, only 3 birds were taken at WNGE. On 28 September, 39 were collected at WNGE and only 9 at WSM. On 30 September there were 51 from WSM and 9 at WNGE. On 7 October 22 birds were collected at WSM, 6 at WNGE. The following morning, 8 October 18 were collected at WNGE, only 2 at WSM. One can go on and on with comparisons of casualties at the two towers without really seeing a pattern of flight. The towers are only about 7 miles apart so a flight of warblers might shift slightly with a by-chance shift in wind direction. Consider 28 September when WNGE took the higher toll, 39, 74% of the casualties were warblers. The following night when WSM took the higher toll, 137, 76.6% were warblers. Such small numbers do not lend themselves to sound analysis but one might look upon this as one flight of birds that shifted slightly its direction of flight over Nashville from one night to the other.

Weather for September and October was in general mild with a noticeable number of overcast days. Several fronts moved during daylight hours. There was low-scale turbulence and not much precipitation during the entire period. There was passage of a low-intensity cold front about 11 AM on 27 September with no movement on the 28th. It was cloudy during the night of September 28th and 29th; a light rain began about daylight on the 29th. This mild weather pattern 27-30 September coincided with days on which most casualties were collected. Even though highest for the season this was a comparatively low casualty count associated with a mild frontal movement.

Cats continue to be a problem at WNGE. Fourteen cats were counted one morning. On another occasion at 0700, nine bird casualties were accounted for; all by wings and bunches of feathers left by cats. Night prowlers make away with some casualties at WSM. One of the station staff reported seeing a fox leave the tower area with a bird in its mouth.

The cooperative efforts of Frances Abernathy, Ann Arnett, Sue Bell, Michael Bierly, coordinator for WNGE, Milbrey Dugger, Clara Frentress, William Finch, Katherine Goodpasture, Joe Ivie, Portia Macmillan, Marjorie Patrick, Oscar Patrick, Ann Tarbell and Miriam Weinstein keep this an on-going bird study. The help of each is significant.

3407 Hopkins Lane, Nashville, Tennessee 37215.

TABLE I
TELEVISION TOWER CASUALTIES, FALL 1976, NASHVILLE, TENNESSEE

Species	WSM	WNCE	TOTAL	Dates
Virginia Rail	1	0	1	Oct. 28(1)
Am. Coot	1	0	1	Oct. 28(1)
Mourning Dove	1	0	1	Sept. 7(1)
Yel.-billed Cuckoo	1	1	2	Sept. 24(1); 28(1)
Common Flicker	1	0	1	Oct. 4(1)
Yel.-bel. Flycatcher	0	1	1	Sept. 28(1)
Gray Catbird	9	6	15	Sept. 19(1); 21(1); 24(1); 28(2); 29(1); 30(2); Oct. 1(1); 4(1); 9(4); 21(1*)
Wood Thrush	4	1	5	Sept. 26(1); 29(3); 30(1)
Swainson's Thrush	4	2	6	Sept. 1(1); 28(2); 29(3)
Gray-chkd. Thrush	1	0	1	Oct. 9(1)
Veery	0	1	1	Sept. 2(1)
Thrush sp.?	0	3	3	Oct. 1(1); 10(1); 24(1)
Golden-cr. Kinglet	0	1	1	Oct. 23(1)
Ruby-crowned Kinglet	2	1	3	Sept. 28(1); Oct. 23(2)
Solitary Vireo	1	0	1	Oct. 8(1)
Red-eyed Vireo	27	2	29	Sept. 2(1); 17(1); 27(1); 28(3,2); 29(16); 30(3); Oct. 1(1); 7(1)
Philadelphia Vireo	6	0	6	Sept. 7(1); 26(1); 29(2); 30(1); Oct. 7(1)
Black-and-wht. Warbler	11	1	12	Sept. 21(1); 21(1); 27(1*); 29(4); 30(2,1); Oct. 7(2)
Prothonotary Warbler	0	1	1	Sept. 30(1)
Tennessee Warbler	56	5	61	Sept. 7(1*); 17(1); 21(1); 24(1); 28(3); 29(2); 30(12); Oct. 7(3); 8(2); 9(2); 17(2); 21(1); 26(2); 29(1)
No. Parula Warbler	0	1	1	Oct. 8(1)
Yellow Warbler	0	1	1	Sept. 16(1)
Magnolia Warbler	37	18	55	Sept. 21(1); 28(10); 29(21); 30(8); Oct. 1(1); 2(1); 7(2,2); 8(1,2); 9(2); 11(1); 12(1); 17(1); 18(1)
Blk.-thro. Green Warbler	2	1	3	Sept. 6(1); 29(1); Oct. 9(1)
Carolinian Warbler	1	0	1	Sept. 29(1)
Blackburnian Warbler	1	0	1	Sept. 30(1)
Yellow-throated Warbler	1	0	1	Sept. 29(1)
Chestnut-sided Warbler	13	0	13	Sept. 23(1); 29(5); 30(3); Oct. 7 (1); 9(1); 17(2)
Bay-breasted Warbler	37	18	55	Sept. 21(1,3); 28(11); 29(22,1); 30(6); Oct. 3(1*); 8(1); 9(1*); 16(1); 17(2,1); 18(1); 26(2); 31(1*)
Palm Warbler	3	3	6	Sept. 29(2); 30(1); Oct. 7(2); 8(1)
Ovenbird	49	14	63	Sept. 21(1); 28(2,3); 29(15); 30(5,3); Oct. 3(1*); 7(1,1); 8(2); 9(8); 17(1); 21(1); 23(1); 26(1)
No. Waterthrush	2	0	2	Sept. 29(1); 30(1)
Kentucky Warbler	0	1	1	Sept. 28(1)
Mourning Warbler	0	1	1	Sept. 20(1)
Cox. Yellowthroat	3	1	4	Sept. 28(1); 29(2); Oct. 8(1)
Yellow-br. Chat	2	3	5	Sept. 28(2); 30(2)
Canada Warbler	1	0	1	Sept. 30(1)
Am. Redstart	2	3	5	Sept. 21(2); 26(1); 29(1); 30(1)
Rose-br. Grosbeak	4	2	6	Sept. 28(1); 29(3,1); 30(1)
Indigo Bunting	1	1	2	Sept. 29(1); Oct. 8(1)
Ruf.-sided Towhee	1	0	1	Oct. 26(1)
Savannah Sparrow	1	0	1	Sept. 29(1)
Field Sparrow	0	1	1	Oct. 29(1)
Swamp Sparrow	1	0	1	Oct. 9(1)
Unidentified	4	19	23	Sept. 17(1); 19(1); 22(1); 26(1); 29(2,1); 30(4); Oct. 1(5); 7(1); 8(2); 16(1); 17(2)
TOTALS	292	114	406	
Total Species	43			

Numbers in () indicate birds collected that day. Underlined numbers indicate birds collected at WNCE, not underlined at WSM. Asterisk* indicates an obviously old specimen.

1978 SPRING FIELD DAYS

RICHARD D. LURA

The 213 species identified this year is short of the record of 217 of last year, yet represents a very fine assortment of birds for the twelve reporting areas. Without a doubt this was the "Year of the Wilson's Phalarope", being seen on six different counts over a two week time span, 29 April to 13 May. The shore birds, probably, should be considered the best group this year. The American Avocet was recorded for the first time on spring counts.

Carolina Wren population is still down, numbers being comparable to last year, reflecting the second severe winter in a row. The Eastern Phoebe fared much better this year than last year.

As is the custom the counts are tabulated from west to east across the state.

INFORMATION ON THE COUNTS

MEMPHIS: 30 April, Shelby Forest State Park in the morning, South near river to Core Park, Overton Park, and Penal Farm in the afternoon, Partly cloudy, wind SE 8-12 mph, 55 to 65° F, Ben B. Coffey, Jr., compiler, 672 N. Belvedere, Memphis 38107.

LAUDERDALE COUNTY: 13 May, cloudy, wind NW 15-35 mph, 65 to 70° F, 25 observers. Ben B. Coffey, Jr., compiler, 672 N. Belvedere, Memphis, 38107.

COLUMBIA: 5-6 May, overcast, 40-70° F, 15 observers. George Mayfield, compiler, 999 Sunnyside Drive, Columbia 38401.

COLUMBIA: (1977) 29-30 April, rainy, 50-75° F, 12 observers. George A. Mayfield, compiler, 999 Sunnyside Drive, Columbia 38401.

(Due to compilational error on my part this count was omitted from the 1977 count. The inclusion of this count with the 1977 data raises the total species to 217.—RDL)

NASHVILLE: 6-7 May, clear to cloudy, wind N to E 5-20 mph, 48 to 75° F, 58 observers: B. H. Abernathy, Francis Abernathy, Jan Alexander, Billy Anderson, Clyde (compiler, 1214 McGavock Pike, Nashville, 37216) and Vivian Anderson, Mildred Ansley, Ann Arenett, Michael Bierly, Jane Bridgman, Ruth Castles, Jean Cobb, Jim Conrad, Dot Crawford, Paul Crawford, Annella Creech, Milbrey Dugger, Adele Elam, Evelyn Ellis, John Ellis, Clara Fentress, Combs Fort, J. P. Foster, George Freeman, Ben Groce, Bessie Hagan, Thomas Harston, John Herbert, Louise Jackson, Carol Knauth, Portia MacMillan, Tim Mann, Jane Maynard, Joe McLaughlin, John McLaughlin, Toni McLaughlin, Rocky Milburn, Pauline Miller, Anne Nichols, Marge Patrick, Oscar Patrick, Dick Porter, Virginia Price, Elizabeth Queener, Betty Richards, Heather Riggins, John Riggins, Shelia Shay, Pat Stallings, Ellen Stringer, Ann Tarbell, Lawrence Trabue, Kenneth Walkup, Sara Walkup, Violet Watkins, Miriam Weinstein, George Woodring, Virginia Workman.

American Avocets were seen by Michael Bierly.

1978 SPRING COUNT

	1978												
	Mem	Lau	Colu	Colu*	Nash	Murf	Cook	HR	Chat	Knox	Gre	King	Eli
Common Loon	--	--	--	2	3	--	--	--	--	--	--	--	--
Pied-billed Grebe	--	--	3	17	8	--	--	--	3	4	--	2	3
Dbl.-cr. Cormorant	--	--	3	--	--	--	--	--	--	--	--	--	--
Great Blue Heron	--	1	--	--	3	--	--	--	5	--	1	1	1
Green Heron	2	3	9	5	31	4	2	--	7	8	2	10	8
Little Blue Heron	--	19	2	--	1	--	--	--	--	--	3	--	--
Cattle Egret	18	34	--	4	6	--	--	--	--	--	--	--	--
Great Egret	--	2	--	--	--	--	--	--	--	--	--	--	--
Snowy Egret	--	1	--	--	--	--	--	--	--	--	--	--	--
Blk.-cr. Night Heron	--	--	--	3	24	--	--	--	1	8	2	4	--
Yel.-cr. Night Heron	2	2	--	--	1	1	--	--	2	1	--	--	--
American Bittern	--	--	--	--	1	--	--	--	--	--	--	--	--
Canada Goose	--	--	37	8	98	2	2	--	1	35	2	--	--
Snow Goose	--	--	--	--	1	--	--	--	--	--	--	--	--
Mallard	12	4	26	13	26	--	--	--	10	1	27	6	10
Black Duck	--	--	--	--	--	--	--	--	--	2	--	--	--
Gadwall	--	--	2	--	2	--	--	--	--	--	--	--	--
Green-winged Teal	--	--	--	2	--	--	--	--	--	--	--	--	--
Blue-winged Teal	9	--	21	61	54	1	--	--	--	--	18	1	1
American Wigeon	--	--	2	--	--	--	--	--	2	--	--	--	--
Northern Shoveler	--	--	--	3	--	--	--	--	--	--	--	--	--
Wood Duck	20	--	27	10	31	--	--	--	3	19	20	18	28
Redhead	--	--	--	6	--	--	--	--	1	--	--	--	--
Ring-necked Duck	--	--	3	6	1	--	--	--	--	--	--	--	--
Canvasback	--	--	--	1	--	--	--	--	--	--	--	--	--
Greater Scaup	--	--	--	--	--	--	--	--	--	--	--	2	--
Lesser Scaup	--	--	8	4	11	--	--	--	3	--	--	1	--
Common Goldeneye	--	--	--	--	--	--	--	--	--	1	--	--	--
Bufflehead	--	--	--	--	--	--	--	--	--	--	--	--	2
Ruddy Duck	3	--	--	8	--	--	--	--	--	--	--	--	--
Red-br. Merganser	--	--	--	4	--	--	--	--	--	--	--	--	1
Turkey Vulture	--	3	18	17	107	7	5	5	5	2	5	5	7
Black Vulture	2	2	82	40	34	15	1	--	--	--	--	1	1
Mississippi Kite	4	3	--	--	--	--	--	--	--	--	--	--	--
Sharp-sh. Hawk	--	--	--	--	--	--	--	3	--	--	--	--	--
Cooper's Hawk	4	--	--	--	2	--	--	1	--	--	--	1	2
Red-tailed Hawk	1	1	3	1	22	4	1	--	2	--	3	1	1
Red-shld. Hawk	--	--	1	--	8	--	1	--	1	--	--	1	2
Broad-winged Hawk	3	1	4	--	6	1	1	1	2	2	--	--	5
Marsh Hawk	--	--	--	1	1	--	--	--	--	--	1	--	--
Osprey	--	--	--	2	1	--	--	--	--	--	1	2	3
American Kestrel	1	1	13	7	47	16	2	1	2	1	1	2	2
Ruffed Grouse	--	--	--	--	--	--	1	--	--	1	--	3	2
Bobwhite	9	4	18	17	89	21	21	2	10	85	7	8	12
Turkey	2	--	--	--	2	--	--	--	--	--	--	2	--
Virginia Rail	--	--	2	--	--	--	--	--	1	--	--	1	--
Sora	1	--	18	9	17	1	--	--	--	--	--	6	1
Common Gallinule	--	--	1	1	--	--	--	--	--	--	--	--	--
American Coot	--	--	12	96	3	--	--	--	4	1	1	--	--
Semipalmated Plover	--	1	--	--	3	--	--	--	--	--	--	--	--
Killdeer	12	2	15	11	25	22	12	--	--	48	4	7	18
Blk.-bellied Plover	--	--	3	--	1	--	--	--	--	--	--	--	--
Ruddy Turnstone	--	--	1	--	--	--	--	--	--	--	--	--	--
American Woodcock	--	--	1	1	6	--	--	--	3	3	--	--	2
Common Snipe	6	1	1	10	5	--	--	--	2	1	--	1	2
Spotted Sandpiper	3	1	20	5	37	2	4	--	35	19	28	35	20
Solitary Sandpiper	4	--	5	9	7	2	5	--	21	15	5	21	10
Willet	--	--	--	--	1	--	--	--	--	--	--	--	--
Greater Yellowlegs	6	1	6	1	3	--	--	--	1	1	--	11	--
Lesser Yellowlegs	5	--	10	2	16	--	--	--	25	7	--	8	2
Pectoral Sandpiper	--	--	6	--	24	--	--	--	20	1	--	4	1
Wht.-rmp. Sandpiper	--	--	--	--	27	--	--	--	3	--	--	--	--
Least Sandpiper	14	6	12	2	18	1	--	--	12	12	--	3	20
Dunlin	--	--	--	--	--	--	--	--	--	--	--	--	1
Dowitcher sp.	--	--	--	--	--	--	--	--	--	--	--	--	1
Semipalmated Sandpiper	--	--	2	3	26	--	--	--	2	12	--	1	5
Western Sandpiper	--	--	--	--	3	--	--	--	--	--	--	--	1
American Avocet	--	--	--	--	18	--	--	--	--	--	--	--	--
Wilson's Phalarope	--	--	1	--	23	21	--	--	8	--	--	1	1
Herring Gull	--	--	--	--	--	4	--	--	--	--	--	--	--

	1978												
	Mem	Lau	Colu	Colu*	Nash	Murf	Cook	Hd	Chat	Knox	Gre	King	Ell
Ring-billed Gull	--	--	--	15	52	--	--	--	25	7	--	9	26
Forster's Tern	--	--	--	--	2	--	--	--	--	3	--	--	6
Common Tern	--	--	1	--	24	--	--	--	--	--	--	--	--
Black Tern	--	--	--	--	--	--	--	--	--	--	--	--	2
Rock Dove	1	1	30	38	117	--	--	--	7	105	--	36	80
Mourning Dove	11	5	35	95	204	98	135	5	92	377	58	50	86
Yellow-billed Cuckoo	8	5	13	10	53	11	5	--	9	37	1	13	17
Black-billed Cuckoo	--	--	--	--	2	1	1	--	1	--	--	1	2
Barn Owl	--	--	--	1	--	2	--	--	1	--	--	--	1
Screech Owl	--	--	1	--	6	--	--	--	3	9	--	3	--
Great Horned Owl	--	--	1	3	--	--	--	--	--	--	--	1	--
Barred Owl	3	--	7	8	16	--	--	--	3	--	--	1	--
Chuck-will's Widow	2	--	2	3	3	--	3	--	5	27	--	1	1
Whip-poor-will	1	--	7	13	8	1	--	--	2	2	--	3	--
Common Nighthawk	--	--	21	5	55	23	1	--	7	13	--	11	9
Chimney Swift	9	5	150	75	403	1000	115	3	80	264	45	58	196
Ruby-th. Hummingbird	8	6	2	4	20	2	2	--	6	3	--	2	15
Belted Kingfisher	--	--	11	6	23	8	2	--	6	14	1	3	12
Common Flicker	3	--	7	4	27	28	25	2	7	43	12	10	20
Pileated Woodpecker	7	2	20	6	33	4	4	2	7	17	4	5	11
Red-bel. Woodpecker	28	4	38	22	104	10	14	3	10	33	7	11	2
Red-hd. Woodpecker	13	4	5	4	10	5	6	3	2	2	--	2	2
Yel.-bel. Sapsucker	--	--	--	1	--	2	4	--	1	1	--	1	--
Hairy Woodpecker	4	--	5	10	17	2	2	--	--	4	--	5	4
Downy Woodpecker	8	3	27	31	49	9	10	1	9	29	5	7	17
Eastern Kingbird	21	18	35	31	96	23	31	1	30	58	3	15	27
Great Gr. Flycatcher	24	3	12	9	58	10	22	--	11	41	--	6	8
Eastern Phoebe	1	--	3	5	31	2	16	--	4	14	1	15	23
Acadian Flycatcher	9	4	19	6	29	--	--	--	9	15	--	--	29
Willow Flycatcher	--	--	--	--	1	--	--	--	--	--	--	1	2
Least Flycatcher	1	--	--	1	20	--	--	--	1	1	--	--	2
Empidonax sp.	--	--	5	--	9	2	--	--	--	--	--	--	--
Eastern Wood Pewee	12	7	18	6	58	7	15	--	11	26	--	4	28
Olive-bl. Flycatcher	--	--	--	--	2	--	--	--	--	1	--	--	--
Horned Lark	2	2	7	7	2	--	--	--	--	4	--	2	1
Tree Swallow	6	10	11	83	19	--	--	--	1	2	--	12	3
Bank Swallow	--	2	12	18	10	--	--	--	--	24	--	1	--
Rough-winged Swallow	5	10	16	34	34	2	--	--	12	58	4	17	55
Barn Swallow	40	40	185	95	372	110	141	20	103	278	23	66	210
Cliff Swallow	--	2	--	--	9	--	--	--	200	4	--	--	--
Purple Martin	22	--	27	39	73	115	28	--	139	225	20	68	65
Blue Jay	8	3	165	64	270	184	98	19	35	287	78	91	122
Common Raven	--	--	--	--	--	--	--	--	--	--	--	--	5
Common Crow	7	6	52	55	143	79	29	1	16	169	54	46	117
Fish Crow	11	1	--	--	--	--	--	--	--	--	--	--	--
Carolina Chickadee	36	8	38	57	153	64	16	1	21	114	14	24	42
Tufted Titmouse	35	12	34	65	144	23	22	3	26	63	7	44	35
Whit-br. Nuthatch	1	--	4	8	12	--	4	1	1	5	--	2	3
Red-br. Nuthatch	--	--	5	--	4	2	--	--	3	22	--	1	--
House Wren	--	--	--	--	12	--	3	--	--	9	--	3	10
Winter Wren	--	--	--	--	--	--	--	--	--	--	--	--	2
Bewick's Wren	--	--	--	1	1	--	--	--	--	--	--	--	--
Carolina Wren	25	3	13	11	57	7	5	--	20	89	12	15	26
Short-b. Marsh Wren	--	--	--	1	--	--	--	--	--	--	--	1	--
Mockingbird	17	4	32	45	151	153	40	4	26	211	13	32	73
Gray Catbird	15	1	74	14	87	71	41	--	10	67	--	15	63
Brown Thrasher	1	3	29	28	123	65	41	7	13	72	11	15	24
American Robin	30	2	52	77	291	92	102	24	29	293	112	84	159
Wood Thrush	31	3	25	21	67	2	18	--	33	121	--	68	58
Hermit Thrush	1	--	1	1	1	--	--	--	--	--	--	--	--
Swainson's Thrush	47	2	53	8	68	8	1	--	14	150	1	13	--
Gray-cheeked Thrush	4	1	--	1	8	2	--	--	--	8	--	--	--
Veery	2	--	23	4	12	2	1	--	--	11	--	--	11
Eastern Bluebird	5	2	37	28	37	11	21	4	15	42	9	9	35
Blue-gr. Gnatcatcher	50	11	53	63	96	--	7	--	183	44	3	21	18
Golden-cr. Kinglet	--	--	--	--	--	--	--	--	--	--	--	--	2
Ruby-cr. Kinglet	--	--	4	--	4	--	--	--	--	13	2	2	--
Water Pipit	--	--	--	--	1	--	--	--	--	7	--	--	--
Cedar Waxwing	3	6	--	9	66	--	--	--	6	83	--	4	35
Loggerhead Shrike	1	3	5	3	13	9	4	--	1	--	1	1	--
Starling	43	6	185	--	717	31	92	10	159	924	530	217	620
White-eyed Vireo	34	20	41	71	138	4	25	1	18	71	--	10	19
Yellow-tho. Vireo	6	2	8	6	6	1	--	--	8	14	--	7	2
Solitary Vireo	--	--	4	--	3	--	--	--	1	12	--	3	21
Red-eyed Vireo	33	4	93	22	96	10	31	7	109	172	--	82	106

	1978												
	Nem	Lea	Colu	Colu*	Nash	Murf	Cook	HR	Chat	Knox	Gree	King	Eli
Philadelphia Vireo	1	5	--	--	2	--	--	--	--	1	--	--	--
Warbling Vireo	2	--	12	2	16	--	--	1	--	--	--	1	2
Black-&-wh. Warbler	15	--	18	7	17	3	1	5	12	36	--	4	37
Frothy Warbler	55	6	26	17	27	--	--	--	8	4	--	--	--
Swainson's Warbler	4	2	1	--	--	--	--	--	1	--	--	--	--
Worm-eating Warbler	--	--	6	7	14	--	2	--	2	12	--	18	5
Golden-wg. Warbler	1	--	3	--	5	--	1	--	--	2	--	--	2
Blue-wg. Warbler	3	--	26	20	27	--	--	--	--	2	--	--	--
Tennessee Warbler	95	6	59	39	158	13	1	--	31	69	--	9	9
Orange-cr. Warbler	--	--	--	--	2	--	--	--	--	--	--	--	--
Nashville Warbler	5	--	12	10	15	--	1	--	1	33	--	2	1
No. Parula Warbler	33	6	8	12	10	--	--	--	3	14	--	2	15
Yellow Warbler	3	--	32	26	69	13	12	--	17	61	--	38	41
Magnolia Warbler	--	2	9	1	15	--	--	--	2	17	--	--	1
Cape May Warbler	--	--	1	--	8	1	1	--	6	52	--	29	15
Bl.-th. Blue Warbler	--	--	--	--	--	--	--	--	--	11	--	--	--
Yel.-rumped Warbler	6	1	108	53	110	2	4	--	45	95	16	32	28
Bl.-t. Green Warbler	3	--	13	13	15	1	--	1	8	53	--	7	12
Cerulean Warbler	26	1	18	43	18	--	--	--	15	12	--	5	--
Blackburnian Warbler	6	--	28	--	8	2	1	--	4	33	--	2	2
Yellow-th. Warbler	6	2	8	11	12	4	2	--	20	--	--	3	3
Chestnut-sd. Warbler	8	3	20	--	13	--	--	--	5	40	--	9	73
Bay-br. Warbler	4	1	24	1	10	6	--	--	7	34	--	9	7
Blackpoll Warbler	10	--	12	20	23	1	1	--	15	66	--	15	5
Fine Warbler	--	--	--	--	6	--	--	--	3	1	--	5	1
Frairis Warbler	--	--	34	49	39	--	11	1	3	41	1	6	8
Fain Warbler	--	--	28	19	56	3	1	--	2	36	--	1	--
Ovenbird	3	--	14	8	13	1	4	3	5	44	--	49	72
No. Waterthrush	2	--	12	6	23	--	1	--	2	2	--	2	1
La. Waterthrush	4	--	24	7	34	2	1	--	6	4	--	2	7
Kentucky Warbler	26	5	12	31	41	--	6	--	11	27	--	25	13
Mourning Warbler	--	2	--	--	--	--	--	--	--	--	--	--	--
Common Yellowthroat	15	7	55	65	179	18	70	--	24	119	1	18	31
Yellow-br. Chat	9	7	29	19	113	1	36	--	13	97	--	12	17
Hooded Warbler	6	2	8	13	9	--	4	2	15	31	2	19	31
Wilson's Warbler	--	3	--	--	3	--	--	--	--	1	--	--	--
Canada Warbler	1	--	1	--	2	1	1	--	1	10	--	2	12
American Redstart	16	6	4	13	10	2	--	--	32	30	--	24	7
House Sparrow	32	6	175	80	121	3.5H	54	1	44	155	48	26	96
Bobolink	61	--	55	161	195	150	--	--	50	178	--	--	--
Ea. Meadowlark	21	6	340	215	315	202	104	6	41	275	51	37	129
Red-wg. Blackbird	110	168	380	250	389	256	107	3	83	306	120	180	237
Orchard Oriole	33	5	54	14	104	10	18	--	21	16	--	7	17
Northern Oriole	45	5	18	2	26	7	5	--	5	26	--	2	7
Rusty Blackbird	--	--	--	--	--	--	15	--	--	--	--	--	--
Common Grackle	35	22	280	350	594	1.9H	170	18	125	460	200	224	428
Brown-hd. Cowbird	42	70	92	65	154	25	56	3	43	84	3	21	41
Scarlet Tanager	15	--	35	19	55	10	12	2	19	100	1	35	40
Summer Tanager	26	4	24	15	71	7	22	1	16	18	--	17	1
Cardinal	33	10	159	75	397	160	125	20	46	293	34	61	107
Rose-br. Grosbeak	53	1	85	14	119	16	7	--	16	159	--	14	12
Blue Grosbeak	3	--	3	1	7	--	7	--	5	9	--	10	5
Indigo Bunting	59	140	145	135	319	421	89	--	65	125	--	78	103
Fainted Bunting	2	--	--	--	--	--	--	--	--	--	--	--	--
Dickcissel	3	20	5	23	3	--	--	--	1	--	--	1	--
Evening Grosbeak	1	--	54	--	23	--	--	6	3	4	20	--	6
Purple Finch	--	--	--	--	4	--	--	5	--	8	17	4	--
Fine Siskin	--	--	--	--	2	6	--	--	--	12	2	--	--
American Goldfinch	7	11	57	41	109	11	33	24	26	96	13	22	80
Rufous-sd. Towhee	14	1	49	29	150	65	26	6	15	154	9	13	93
Savannah Sparrow	10	--	1	31	15	--	--	--	6	7	1	3	1
Grasshopper Sparrow	--	--	3	2	9	--	--	--	1	3	--	3	1
Vesper Sparrow	--	--	--	--	--	--	--	--	--	--	--	1	--
Dark-eyed Junco	--	--	--	--	--	--	--	--	2	--	--	--	54
Chipping Sparrow	3	1	15	17	34	42	34	8	11	24	--	8	21
Field Sparrow	1	1	24	53	86	95	33	2	11	86	15	45	17
White-cr. Sparrow	--	1	23	46	48	20	15	--	3	9	7	--	2
White-thro. Sparrow	21	--	92	48	103	27	26	18	16	123	40	22	2
Fox Sparrow	--	--	--	--	--	--	1	--	--	--	--	--	--
Lincoln's Sparrow	--	--	1	2	5	--	--	--	--	--	--	--	1
Swamp Sparrow	--	--	14	3	7	--	--	--	--	--	--	2	2
Song Sparrow	--	--	--	--	7	2	25	--	18	238	17	96	182
Species Total	124	96	148	143	125	98	99	48	140	143	66	143	142
Grand Total	213												
(excluding July 1977)													

*See information on the counts. N=1000

MURFREESBORO: 6-7 May, sunny, 65-72° F. Glenn Birdwell, Anne Hettish (compiler—1018 Lawndale Drive, Murfreesboro 37130), Bob Hettish, Ruth MacMillan, Pat Marting.

COOKEVILLE: 6 May, wind calm, 45 to 75°, 20 observers in 10 parties, 182 hours (64 on foot, 118 by car), 258 party miles (16 on foot, 242 by car). Beulah Clark, Dorothy McDonald, Amy Johnson, William Jones, Mildred Lassiter, Patty Sullivan, Ray Sullivan, Thelma Linnon, Marie White, Florence Williams, Walter Simmers, Patty Boles, Nancy Pointer, Ginger Flatt, Carroll Warren, Delmos Hinds, Ray Hinds, Johnnie Little, F. R. Loline, Sam Coward (co-compiler), Kathryn Coward (co-compiler—Box 118, Algood, 38501).

HIGHLAND RIM: 22 April, clear, 36 to 65° F. Marjery Harper, compiler—305 Crestwood Drive, Tullahoma 37388.

Brewer's Blackbird was deleted due to inconclusive details.

CHATTANOOGA: 6-7 May, partly cloudy to overcast, wind 1-5 mph, 49-82° F. Gary Bayne, Russell Brown, Martha Caine, Ken Dubke, Lil Dubke, Anne Gibson, Daniel Jacobson (compiler—Rt. 1, Box 224-A, Wildwood, Ga. 30757), Lemuel Jacobson, Gladys Nelson, Janet Phillips, Jo Stone, Carl Swafford, Mary Tunsberg.

KNOXVILLE: 7 May, cloudy, shower in afternoon, wind 5-10 mph, 60-67° F. James M. Campbell, Mary Dawn Collins, Edith Cress, Marsha Davis, Susan Davis, Linda Duley, Bob Floyd, Bob Harris, Lavada Harris, Paige Harris, Betty Reid Hinton, J. C. Howell, Tony Koella, Beth Lacy, Morton Massey, Susan Mengel, Torb Mengel, Terry McGown, Allison McNutt, Bill McNutt, Gary Muffly, J. B. Owen (compiler—2930 North Hills Blvd., Knoxville 37917), Paul Pardue, Polly Ryder, Kenneth Sanders, Mabel Sanders, Boyd Sharp, Bill Simpson, Mary Simpson, Johnetta Smith, Louis S. Smith, Barbara Stedman, James T. Tanner.

GREENEVILLE: 23 April, 50-65° F. O. C. Armitage, Mrs. O. C. Armitage, Marjorie Ernest, King Gaut, Mrs. King Gaut, Elizabeth McCort, Richard Nevius (co-compiler), Mrs. Richard Nevius (co-compiler Rt. 6, Greeneville 37793), Doug Ratledge, Steve Ratledge, Ken Ripley, John Alfred Waddell.

KINGSPORT: 1 May, clear to overcast, 55-72° F, 11 observers. Fred Alsop, Lois Carpenter, Bill Kappa, Dee Eikler, John Eikler, Gary Hartman, Tom Finucane, Tom Laughlin, Hayden Hannabass, Tommy Phillips, Rick Phillips (compiler-1332 Tranbarger Drive, Kingsport 37665).

ELIZABETHTON: 13 May, rain to cloudy, wind 5-30 mph, 40 to 72° F. Glen Eller—compiler, Rt. 3, Elizabethton 37693.

MINUTES OF THE ANNUAL SPRING MEETING, 1978

ANNUAL BOARD OF DIRECTORS' MEETING

The 63rd Annual Spring Meeting of the Board of Directors of the Tennessee Ornithological Society was held at Fontana Resort Village, N.C. at 3:00 P.M. on April 29, 1978. The President, Kenneth Dubke, presided.

The minutes of the 1977 Fall Symposium were read by the Secretary and approved.

REPORTS OF OFFICERS

There were no reports from the Vice-Presidents for East and Middle Tennessee. There was no formal report from the Vice-President for West Tennessee, Martha Waldren, however, Norcen Smith commented that the Memphis District of the Corps of Engineers was going to study those areas of the Obion-Forked Deer River System not yet affected by channelization. She noted that the Obion-Forked Deer Basin Authority was performing work in the streams without the required 404 Permits. Ken Dubke mentioned that T.O.S. had communicated its opposition to such work through a resolution to the Memphis office of the Corps. Arlo Smith added that a suit had been filed in the matter. Noreen advised that Henry Dinkelspiel had died in November 1977. Ken Dubke praised Mr. Dinkelspiel saying that he was "an exceptionally good Treasurer" and that he would be missed.

Treasurer O. Ray Jordan gave a brief summary of T.O.S. finances. He stated that the balance in the checking account was \$1183.51. He also mentioned that although the savings account held assets in the form of M.I.T. stock and Chattanooga Federal Savings Certificates, those were not available as operating funds.

Gary Wallace, Editor, reiterated an earlier request made at the 1977 Fall Symposium, that all records should be submitted as soon as possible for inclusion in the Season Reports and Round Table Notes. He urged that all comments to be kept as brief as possible. He revealed that *The Migrant* was to be reduced to 24 pages from 28 as an economy move. He said he doubted it would be necessary to further reduce the printing to 20 pages. Speaking for Fred Alsop and Dick Lura, Gary urged members to forward Fred's information to him as soon as possible and to be as concise as possible in describing unusual sightings.

There was no report from the Secretary, Curator, or Directors-at-Large.

REPORTS OF STANDING COMMITTEES

FINANCE COMMITTEE: Chairman Jo Stone mentioned that the Certificates of Deposit would mature in 1979 and that a committee had been discussed as early as 1975 to take some form of action. Jo urged a decision be made regarding some action. Arlo Smith moved that Ken Dubke seek out and appoint a Committee Chairperson to study the situation and make a recommendation. Louise Jackson seconded the motion and it was carried. Jo mentioned that TOS had only \$1183.51 available for the printing of 3-4 issues of *The Migrant* and he suggested that even with economy moves which would lower the print-

ing costs to \$650, there were insufficient funds. He recommended that a dues increase be considered.

CONSERVATION COMMITTEE: Chairman George Mayfield mentioned that the Obed River System seemed in good shape, the Big South Fork of the Cumberland Recreation Area was progressing, Overton Park was still threatened—Arlo Smith gave a synopsis of the legislative maneuvering which was going on and urged that letters be written. George said that the Duck River Heronry was declining. Wallace Coffey mentioned that he had met with Gary Meyers, Executive Director of the Tennessee Wildlife Resources Agency, to urge a greater consideration for Non-Game Species in the Agency's programs. He commended Don Hammer for his positive role in preserving the Armstrong Bend Heronry and chided T.W.R.A. for "foot dragging". Wallace further mentioned that he had confronted the U.S. Fish and Wildlife personnel over the spraying of Blackbird roosts and had found that they had problems estimating populations of birds in the roosts. He urged close scrutiny of the T.V.A. Canada Geese Management Program indicating that often the birds were being stocked for political reasons rather than according to sound biological guidelines. In closing, Wallace introduced Dan Eager, Zoologist for the Tennessee Heritage Program. Dan mentioned that he had brought some brochures on the Program as well as a list of the species in which the Program was most concerned.

Charles Smith mentioned that there were Non-Game bills in Congress which needed our support. Ken Dubke advised that T.O.S. was in support of the legislation from the earliest days of its introduction and had sent resolutions to Congress as well as to Mr. Gary Meyers of T.W.R.A. Ken urged contacts with Congressmen Duncan and Ford in support of H. R. 10915, the House Non-Game Bill.

Joseph Jones revealed his concern about the use of highly toxic pesticides in West Tennessee and cited the loss of birdlife in his vicinity because of spraying activity. His concerns were also expressed about the lack of controls and the political evasion of necessary training and registration of pesticide users. He urged member to watch for possible bird kills as a result of careless use of biocides.

George Mayfield expressed his support for a resolution, which would ask that as much standing timber as possible be left in the Columbia Dam reservoir. He made a motion that such a resolution be passed. The motion was seconded by Joseph Jones. The motion was carried. George volunteered to author the resolution. Chuck Nicholson mentioned the support for this concept from the Wildlife Branch of T.V.A. but stated that the Navigation Branch was opposed due to pressure from recreational and navigational interests. Gary Wallace asked for a resolution in favor of the preservation efforts being undertaken to preserve the Highlands of Roan by the Southern Appalachian Highlands Conservancy. The motion was made by George Mayfield and was seconded by Sanford McGee. The motion carried.

Gary Wallace mentioned the upcoming foray and Ken Dubke stated that he would confer with Daniel Jacobson to see the necessary mailings distributed.

NOMINATING COMMITTEE: Chairman David Hassler announced that Nelle Moore would be the President-elect and made a motion that the choice be verified. Noreen Smith seconded the motion. It was carried.

REPORT OF SPECIAL COMMITTEE

John Sellars, speaking for Dixon Merrit Memorial Committee Chairman Bill Senter, stated that Roy Walker has indicated the memorial would be in place by summer's end.

OLD BUSINESS

Ken Dubke stated that the Osprey-Eagle folders were bringing good results.

NEW BUSINESS

A motion was made by Boyd Sharp that an increase of one dollar in all dues categories be considered as well as an increase of 25 dollars in life memberships. Chuck Nicholson seconded the motion. Under discussion, Louise Jackson read a letter from Michael Lee Bierly expressing an opinion that efforts should be made to seek methods of economizing on the printing of *The Migrant* rather than raising dues since higher dues, he felt, might make it more difficult to attract new members. Ken Dubke cited the drastic increase in printing costs (\$192.00 per issue). George Mayfield stated that he questioned the wisdom of seeking "bids" on printing *The Migrant* because this would put an inordinate increase of pressure on Gary Wallace over and above that which now exists. Gary stated that other printers were available but that the present arrangement was producing a quality product which he could not assure from another source. Wallace Coffey mentioned that even though alternatives exist, that there were many things to consider above and beyond a possible savings such as quality of product and its ability to stand up to the test of time. The possibility to increase our revenue further by raising dues \$2.00 was interjected in response to Michael's letter. Wallace Coffey suggested that the dues increase be voted upon by roll-call vote. Ann Hettish rose to inform the membership that due to an unknown reason, she had not received notification of the proposed dues increase. Ken Dubke read from the Constitution and Bylaws saying that the information was not sent by registered mail but by first-class mail and that from his experience, messages might not be passed throughout the entire membership of a chapter even though chapter officers were contacted. Under a roll call vote, there were 31 votes in favor of the dues increase as proposed by Boyd Sharp. There were 6 votes in opposition. The motion was carried.

ANNOUNCEMENTS

Glenn King announced the Spring Meeting for 1979 would be held at Beer-sheba Springs Methodist Assembly Grounds. Sanford McGee mentioned that T.O.S. was quite fortunate to obtain use of the Grounds since the owners were selective and urged all to attend.

Pat Stallings announced that the Nashville Chapter was working toward the establishment of an Albert F. Ganier Memorial.

The meeting was adjourned by the President at 5:03 P.M.

BRUCE WILKEY, *Secretary*.

ROUND TABLE NOTE

FIRST RECORD OF A FULVOUS WHISTLING-DUCK IN THE NASHVILLE AREA—At 09:30 on 13 May 1976, a Fulvous Whistling-Duck (*Dendrocygna bicolor*) was found on a farm pond known, locally, as Green's Lake. Green's Lake is located just south of US Highway 31-E about 4 miles southeast of the Sumner County Court House in Gallatin.

The Fulvous Whistling-Duck, when first seen, was feeding with a flock of 14 Mallards (*Anas platyrhynchos*) of dubious ancestry. Also present were 21 Canada Geese (*Branta canadensis*), 2 Blue-winged Teal (*Anas discors*), 1 female Wood Duck (*Aix sponsa*) with 5 young, and 2 Canvasback (*Aythya valisineria*). Shortly after the bird was first seen, it moved to the shore and the following notes were made while observing the bird with 7 x 35 Bushnell binoculars and a 20-45x Bushnell Spacemaster spotting scope: posture, erect; head, sides of neck, breast and belly, cinnamon color; throat and front of upper neck, pale; bill, dark; back, dark with paler bars; back of neck had a dark line extending from nape to base of neck; a series of short, white lines along the edge of the wing gave the impression of a continuous white line; legs and feet, dark gray; rump, white; tail, dark. The bird was slightly larger than Blue-winged Teal and noticeably smaller than Mallards. Long legs, with the feet extending past the tail in flight, and the stretching of the head and feet well forward when landing, were also noted. The writers are familiar with the Fulvous Whistling-Duck, having seen and photographed them in south Texas.

After watching the bird for approximately 15 minutes, we returned home and notified birders in Nashville.

The bird remained at Green's Lake for 8 days and was last seen at 16:00 on 21 May. Many birders from various parts of the state saw the bird during its stay.

This bird was always very shy and most observations were from distances of more than 75 meters.

Note—Green's Lake is private property and is "posted." Permission to go on the property must be obtained from a member of the Louis A. Green, Jr. family.

PAUL AND DOT CRAWFORD, Route 4, Gallatin 37066. Accepted 1 Nov. 1976.

THE SEASON

FRED J. ALSOP, *Editor*

SPRING SEASON: 16 MARCH - 15 MAY

BURR!!! We moved slowly from winter's icy grip into a spring season with lingering northern finches, plenty of waterfowl including a few very unexpected species, and a most impressive northward migration of shorebirds. If there were no other records to follow, the single event of the state wide invasion of the Wilson's Phalarope in the first two weeks of May would still be the most singular avian happening of this reporting period. Not only did all four regions record this phalarope but in such numbers, i.e. 65, 21, Western Coastal Plain; 48, 1, 8, Central Plateau and Basin; 13, 3, 3, Eastern Ridge and Valley; 1, Eastern Mountain, that there are more individuals represented in this "Season" than the grand total of all previous records in *The Migrant*. Birders in Virginia and North Carolina reported this phalarope in widely scattered places during the same period in May (personal communications). All records and recollections indicate this migrational wave of the Wilson's Phalarope to be unprecedented.

A teal species never before recorded in Tennessee was a visitor in Memphis. A Garganey, native to Europe, Africa, Asia, and Indonesia, was identified, photographed, and seen by a number of Tennessee birders. The origin of this individual is unknown and its status for inclusion on a state list will be the topic of energetic discussions for some time to come. The bird is listed in the official checklist of the American Birding Association on the strength of records from Alaska, North Carolina, Manitoba, and Alberta.

Shorebirds were perhaps the most exciting birds of this spring. Not only were there some unusual records, but the numbers and the variety of species was very impressive. The windbirds came in numbers and included the *second state record* of the Hudsonian Godwit (2 birds at the Gallatin Steam Plant) and spring records of Ruddy Turnstones and American Avocet in the Central Plateau and Basin. Willets were found in the Central Plateau and Basin and in numbers in the Eastern Ridge and Valley. Dunlin were observed in *all* regions and all but the easternmost region had White-rumped Sandpipers. Stilt Sandpipers and Western Sandpipers were seen in the Western Coastal Plain and the Eastern Ridge and Valley. Long-billed Dowitchers were identified in the Eastern Ridge and Valley and the Black-bellied Plover, an uncommon bird in East Tennessee was found in the Eastern Mountain Region.

Water and mudflats seemed to be the habitat that produced the greatest number of exciting finds in March, April, and May. Some of the "best" in addition to the above include: Snowy Egrets and a Louisiana Heron in the Eastern Ridge and Valley, Double-crested Cormorants in the Central Plateau and Basin and in the Eastern Mountain Region, a Red-necked Grebe in the last region may have been the bird reported last season, Purple Gallinules in the Eastern Ridge and Valley and the Central Plateau and Basin, and the latter had a Common Gallinule as well and Franklin's Gulls in the Nashville area.

Many northern passerines stayed well into the season. Red-breasted Nuthatches were reported from all across the State and Evening Grosbeaks lingered in all regions. Pine Siskins were listed from all but the Central Plateau and Basin. Red Crossbills were found in the two eastern regions and White-winged Crossbills continued to be observed on Roan Mountain. House Finches were reported only from Lamar in the Eastern Ridge and Valley and Tree Sparrows only from the Central Plateau and Basin.

Perhaps the most interesting notes on birds of prey are the active nests of the Red-shouldered Hawk in the two central regions, the observation of a Golden Eagle on Roan Mountain, and the dead Short-eared Owl found along the highway in Montgomery County.

Philadelphia Vireos were seen at Fort Pillow State Park in the Western Coastal Plain and in Johnson City. Brewer's Blackbirds were found in the Eastern Ridge and Valley. The increasingly less common Bewick's Wren was reported from Knoxville and a species that has become most rare in Tennessee, Bachman's Sparrow, was seen in late April in the Western Coastal Plain. Bank Swallows returned to Austin Springs near Johnson City where they nested the year before.

Birds and birders were about. It was a productive spring as the several hundred records that follow indicate. Read on . . . and send your field notes to your regional compiler as soon as you have finished. Good birding!!!

WESTERN COASTAL PLAIN REGION—*Garganey-Woodcock*: GAR-GANEY (*Anas querquedula*): 1-5 Apr (1) Darwin Sewage pits, M (RJ, TOS). Refer to text in future issue concerning this unusual visitor. Many photographs were taken, hopefully some may be published. Redhead: 16 Mar (10 male, 2 female) PF (VH). Great Horned Owl: 15 Feb (2) adults. Mississippi Kite: 8 Apr (2) SFSP (WCM), 15 Apr (2 adults, 1 imm) M (JW). American Woodcock: 23 Apr, flushed brood of 3 and adult, M (DP), first known nesting record for Weakley Co. There was a good movement of shore birds through the Mississippi Valley. Several species were sighted just south of Hopefield, TN. This area lies on the 35° 06' 30" North latitude which is shared by both TN and ARK as the river meanders.

Rail-Tern: Virginia Rail: 29 Apr (1) M (FD). Sora: 29 Apr (2). Semipalmated Plover: 6 Mar (4). American Golden Plover: 18 Mar (175) PF (MCTOS); 23 Apr (200), 18 May (1), (CB, SF, RJ, NS, MW). Black-bellied Plover: 6 May (5), 13 May (9) 18 May (1) (CB, SF, RJ, NS, MW). Common Snipe: 29 Apr (2). Spotted Sandpiper: 6 May (8), 18 May (2) (CB, SF, RJ, NS, MW). Solitary Sandpiper: 29 Apr (6), 6 May (4). Lesser Yellowlegs: 6 May (9). Pectoral Sandpiper: 6 May (50). WHITE-RUMPED SAND-

PIPER: 6 May (50), 18 May (40) (CB, SF, RJ, NS, MW). Least Sandpiper: 6 May (20). Dunlin: 6 May (2), 18 May (2) (CB, SF, RJ, NS, MW). Dowitcher: 6 May (3). Stilt Sandpiper: 6 May (1), 18 May (1) (CB, SF, RJ, NS, MW). Semipalmated Sandpiper: 6 May (10), 18 May (150) (CB, SF, RJ, NS, MW). Western Sandpiper: 23 Apr (42), 6 May (1). Sanderling: 18 May (2) (CB, SF, RJ, NS, MW). *WILSON'S PHALAROPE*: 6 May (65), 8 May (21). Ring-billed Gull: 6 May (1). Caspian Tern: 13 May (4) PF (GC). Common Tern: 30 Apr (1). Black Tern: 13 Apr (8). Almost all of the above species were reported by JGH. Special notation was made when other observers were present at a different date.

Nighthawk-Vireo: Common Nighthawk: 16 Apr (1) M (JGH). Least Flycatcher: 30 Apr (1) SFSP (BBC). Carolina Chickadee: 8 nests on Bluebird study area in Obion Co. the largest number to nest in boxes. Date of first egg: 2 Apr, 2 Apr, 4 Apr, 4 Apr, 7 Apr, 7 Apr, 8 Apr, (DP). *RED-BREASTED NUTHATCH*: 6-8 May (1) C (AS). House Wren: 4 May (1) OP (BBC), 4-8 May (1) M (BBC, LCC). Blue-gray Gnatcatcher: 2 pr (1) PI (LCC), 2 Apr (4) SFSP (JGH), 3 Apr (1) OP (BBC). *PHILADELPHIA VIREO*: 13 May (5) FPSP (MCTOS, BBC, CM).

Warbler-Siskin: Swainson's Warbler: 16 Apr (1) OP (BB, RB), 4 May and 8 May (BBC). Golden-winged Warbler: 30 Apr (1) OP (RW), 4 May (1) OP (BBC), 7 May (1) M (LCC). Nashville Warbler: 7 Apr (1) M (BBC). Cape May Warbler: 28 Apr (1) KP (JF, SF). Pine Warbler: 19 Mar (4) PF (NS, NW). Palm Warbler: 29 Apr (1) BC (BBC, LCC). Northern Waterthrush: 30 Apr (2) SFSP (BBC, MCTOS), 6 May (1) H (BBC), 8 May (1) OP (BBC). Mourning Warbler: 8 May (1) OP (BBC), 13 May (2) FPSP (BBC, RW, CR). Wilson's Warbler: 13 May (3) FPSP (MCTOS). Bobolink: 23 Apr (154) PF (LCC, AS). Scarlet Tanager: 15 Apr (1) FSP (RJ). *EVENING GROSBEAK*: 6 May (3) M (MLB). Savannah Sparrow: 16 May (18) PF (MW). *BACHMAN'S SPARROW*: 24 Apr (1) in transient M (LCC). Lincoln's Sparrow: 29 Apr (1) H (JGH), 1-2 May (1) M (LCC), 4 May PF (SF, MW), 7 May (1), 12 May (1), 19 May (1) M (LCC). White-crowned Sparrow: a movement was noticed starting 8 Mar when several were banded over several days with the last banded 14 May, M (BBC), 17 May (1) M (BBC), 19 May (1) M (BBC), 19 May (1) C (AS). White-throated Sparrow: 17 May (1) M (BBC). Pine Siskin: 29 Apr (14) BC (BBC).

Locations: BC—Benton County, SE corner; C—Covington; Darwin Sewage pits; M—SW Memphis; FSP—T. O. Fuller State Park; FPSP—Fort Pillow State Park; H—Hopefield, TN; KP—Kennedy Park, N of Wolf River, S of Raleigh; M—Memphis; OP—Overton Park, city park in Memphis; PF—Penal Farm; PI—President's Island; SFSP—Shelby Forest State Park.

Observers: CB—Carolyn Bullock; MLB—Mrs. Laura Buxton; BB—Bob Brown; RB—Rob Brown; BBC—Ben B. Coffey; LCC—Lula C. Coffey; GC—Greg Charbonnet; FD—Francis Dowdy; JF—Jim Ferguson; SF—Sue Ferguson; JGH—James G. Holt; VH—Van Harris; CM—Charles Marcus; WCM—W. C. McDaniel; MCTOS—Memphis Chapter, TOS; RJ—Rusty Jones; DP—David Pitts; CR—Charles Rollins; AS—Alice Smith; NS—Noreen Smith; TOS—Tennessee Ornithological Society; MW—Martha Waldron; RW—Richard Whittington.

MARTHA WALDRON, 1626 Yorkshire Drive, Memphis 38117.

CENTRAL PLATEAU AND BASIN REGION—March was cool and then warm, almost hot, weather in April caught up a lagging migration. On 22 April a freeze in Nashville was two days from the all-time latest. Stormy weather 13-14 May produced rarities in Nashville.

Cormorant-Grouse: Double-crested Cormorant: All reports—19 Apr (1) Old Hickory L (MPS); 5 May (1) Monsanto Ponds, Columbia (AP). American Bittern: 4-11 Apr (1) AEDC Wildlife Refuge (RL, MH); 8 Apr (1) Gordonsburg (GRM); 15-22 Apr (1) Cheatham L (BB *et al.*). Sharp-shinned Hawk: During period total 3 birds (one banded) at three locations Nash (DPC, KAG, TMM); 16 Mar (1 window casualty) Byrdstown (RH); 29 Apr (1) I-24 at AEDC exit (MLM). Cooper's Hawk: During period 3 birds at three locations Nash (DPC, JOE, KAG); 1 May (1) McMinnville (GRM). *RED-SHOULDERED HAWK*: 16 Apr (1 on nest) Pickett State Park (RH), same nest as 1977. Bald Eagle: 30 Mar (1 adult) Wayne Co (*vide* GRM). Osprey: All reports—19 Apr-6 May (3) Nash area (DP, DPC, FJMcL, MLB, MPS); 22 Apr (1) Byrdstown (RH). Ruffed Grouse: 1 Apr (1) Byrdstown (RH); several regular Monteeagle (HRTOS).

Rail-Gull: Virginia Rail: 18 Mar (1) Buena Vista, Nash (TMM), earliest Nash thirty-one days. Sora: Large numbers observed this spring—5 May (18) Columbia (AP, GRM); 6 May (17) Gallatin (DPC). *PURPLE GALLINULE*: 1 May (1 adult) Green Hills Shopping Center, Nash (KAG), released Radnor L, seen again 6 May, seventh record Nash, first May date, is second record in three years in this shopping center *COMMON GALLINULE*: 5 May (1) Monsanto Ponds, Columbia (AP). *RUDDY TURNSTONE*: 6 May (1) Columbia (BF), first Maury Co record: 13-14 May (1-7) beach, Old Hickory L (MPS, CMK, MLM), sixth record Nash area. These are the fourth and fifth state spring records. *WILLET*: Major spring movement—18 Apr (1) beach, Old Hickory L (MPS); 29 Apr (13) Hillsboro, Coffee Co (ER); 3 May (6) Radnor L, Nash (MLB, FJMcL); 5-7 May (1) beach, Old Hickory L (MPS), this apparently second bird, latest spring six days Nash area. White-rumped Sandpiper: 4 May (1) Gallatin (DPC), earliest Nash area one day; 6-7 May (27) Nash area (NTOS), good number so early. Dunlin: 2 May (1, partial breeding plumage) and 14 May (2, one breeding plumage and one winter plumage) Gallatin (DPC), sixth and seventh spring records Nash area. *HUDSONIAN GODWIT*: 13 May (2) Gallatin Steam Plant (DPC), second state record. Sanderling: 2 May (1 winter plumage) Gallatin Steam Plant (DPC); 12 May (1) beach, Old Hickory L (MLM); 14 May (1 breeding plumage) Gallatin Steam Plant (DPC). These represent first, second and third spring records Nash area. *AMERICAN AVOCET*: 7 May (18 breeding plumage) Buena Vista, Nash (MLB), eighth record Nash. *WILSON'S PHALAROPE*: Unprecedented invasion—4-7 May (minimum 48) Nash area (DPC, MPS, MLM, AH), third spring record Nash area, previous high two birds; 5 May (1) five miles north of Columbia (GRM); 6 May (8) Hillsboro (ER), first Coffee Co record. The total number of individuals recorded Middle Tennessee 6 May exceeds the total number for all of Tennessee published in *The Migrant* to date. *FRANKLIN'S GULL*: 14-16 May (3) beach, Old Hickory L (MPS then others), sixth record Nash area.

Owl-Wren: Short-eared Owl: 18 Mar (1 dead) I-24 three mi W. Red River, Montgomery Co. (TWF *vide* CPN). Trail's Flycatcher: 6 May (1

banded) Two Jays (HJR). Least Flycatcher: 6, 7 May (17, 3) Nash Spring Count (NTOS), large number. Eastern Wood Pewee: 8 Apr (1) Percy Priest L (MLM), earliest three days Nash area. Red-breasted Nuthatch: 27 Apr (1) Byrdstown (RH), last for season; still present end of period Nash. House Wren: 21 Mar (1) Gallatin (DPC), earliest Nash area two days; 15 May (pair nesting) Byrdstown (RH), may be first nesting record Pickett Co.

Warbler-Sparrow: Swainson's Warbler: 6 May (1) Blue Buck Creek, Hickman Co (AL). Nashville Warbler: 1 Apr (1) Ashland City area (TMM), earliest Nash area fourteen days. Cape May Warbler: More than usual spring Nashville (NTOS). Blackburnian Warbler: More than usual spring Columbia (CTOS). Northern (Baltimore) Oriole: from last period-17 Mar (1) Murfreesboro (CA *vide* AH), completion of winter record. *EVENING GROS-BEAK*: 19 Apr (7) Byrdstown (RH), last for season; 15 May (1 female) Mount Pleasant (JH), last for season; still present end of period Nash. Grasshopper Sparrow: 18 Apr (1 singing) airport, Winchester (GRM). Vesper Sparrow: 29 Apr (5) Cross Creeks National Wildlife Refuge (RJM, TMM), getting late. *TREE SPARROW*: 26 Mar (2) Ashland City (RJM), last of winter invasion Middle Tennessee.

Observers (alphabetically, beginning first initial): AH—Anne Hettish; AL—Anne Lockridge; AP—Allen Pressnell; BB—Bill Blakesee; BF—Barbara Finney; CA—Charlotte Allen; CMK—Carol M. Knauth; CPN—Chuck P. Nicholson; CTOS—Columbia TOS; DP—Dick Porter; DPC—Dot and Paul Crawford; ER—Erma Rogers; FJMcl—F. Joe McLaughlin; GRM—George R. Mayfield; HJR—Heather and John Riggins; HRTOS—Highland Rim TOS; JH—Jack Hughes; JOE—John O. Ellis; KAG—Katherine A. Goodpasture; MH—Marjory Harper; MLB—Michael L. Bierly; MLM—Margaret L. Mann; MPS—M. Pat Stallings; NTOS—Nashville TOS; RH—Robbie Hassler; RJM—Rocky J. Milburn; RL—Ruth Luckado; TWF—Thomas W. French; TMM—Tim M. Mann.

MICHAEL LEE BIERLY, 2415 Crestmoor Road, Nashville 37215.

Notable records previously unpublished in *The Migrant*: White Ibis: 23-24 July 1977 (5-2 immatures) Murfreesboro (Frank Hill *vide* Anne Hettish), additional record summer invasion. Ruddy Turnstone: 27 Sept 1975 (1) Old Hickory L (Margaret L. Mann); 27 Sept 1975 (1) Gallatin (Dot and Paul Crawford). Believed different birds and are fourth and fifth records Nash area. Horned Lark: 5 Feb 1978 (100) Hillsboro (Erma Rogers), additional documentation of winter flocks. Tree Sparrow: 26 Jan 1978 (2) Hillsboro (Erma Rogers), extends arrival date Coffee Co winter invasion.

EASTERN RIDGE AND VALLEY REGION—In the Hiwassee River Area a recently formed pond was discovered in the Big Spring Community. Its strategic location along the river made it especially attractive to many migrating shorebirds and swallows. Noteworthy were the numbers of Long-billed Dowitchers, Wilson's Phalaropes, plus the Tree Swallows and Bank Swallows. The phalarope movement was also detected at Austin Springs. The Willet sighting on 3 May was the largest on record while the sustained observations of Forster's Terns were the best ever documented in the region for the spring season.

The only area compiler to comment on the warbler migration was Nicholson from Knoxville. He mentioned large numbers in late April and early May making for one of the best migrations ever recorded there.

Other observations of interest were the Louisiana Heron along the Holston River, Brewer's Blackbirds and the last record of the House Finch on 20 March at Lamar.

Loon-Gallinule: Common Loon: Scattered birds to 2 Apr (1) ChL (JWS); 1 Apr (1) Ft. Loudon Lake (Paul Pardue). Horned Grebe: 1 Apr (1) BL (SG, MD). Cattle Egret: 8 May (3) HRA (KLD). Great Egret: 12 Apr (2) CL (WKJ); 10 May (1) CL (CPN). SNOWY EGRET: 30 Apr (2) NFH (RAP). LOUISIANA HERON: 1 May (1) Holston R., Hawkins Co. (Linda S. Duley). Black-crowned Night Heron: 28 Apr-5 May (1-3) AS (SG, MD, RK). Least Bittern: 29 Apr (1) AS (RK). American Bittern: 8 Apr to e.o.p. (ETOS). Snow Goose (blue morph): 16 Mar-12 Apr (2) CL (WKJ). N. Shoveler: 2 May (2) CL (WKJ); 7 May (1) AS (Harry Farthing). Black Vulture: 18 Mar (70) GV (RAP). Sharp-shinned Hawk: 2 Apr KP, 8 Apr BL (1) (RAP). Cooper's Hawk: 19 Mar (1) HCo (RAP); 25 Apr (1) JC (SG); 7 May (1) KP (RAP); 9 May (1) JC (MD). RED-SHOULDERED HAWK: 5 active nest sites CH (KLD *et al*), plus "nesting pair present through period at Winfield, Scott Co." (CPN). Bald Eagle: 26 Apr (1 ad.) MHL (WKJ). Osprey: 8 records CH (KLD, JWS); 4 Apr ("1st returned") AS (DL); 9 Apr (1) Norris (CPN); 14 Apr (1) MHL (WJK); 7 and 10 May (1, 2) NFH and GC (RAP) Virginia Rail: 2-6 May (1-3) AS (RK, DL, SG, MD). Sora: 24 Mar-13 May (1-3) AS (ETOS). PURPLE GALLINULE: 5 May (1) K (Gary Muffley).

Plover-Swallow: Semipalmated Plover: 23 Apr (2) HRA (LD); 3 May (1) HRA (JWS). American Woodcock: 4 Apr (4 in flight song) AM (KLD). Spotted Sandpiper: 16 May (30) CL (CPN, WKJ); 23 May (10) NFH (RAP). WILLET: 3 May (30) MHL at Solway (WKJ); 5 May (10) EB (WKJ). Lesser Yellowlegs: 13 Apr (1) EB (CPN, WJK); 18 Apr (25-67) SB and HRA (KLD, JWS). Pectoral Sandpiper: 13 Apr (1) EB (WKJ, CPN). WHITE-RUMPED SANDPIPER: 8-25 May (6-25) HRA (KLD). Least Sandpiper: 13 Apr (1) SB (WKJ, CPN); 2-3 May (25-30) HRA (KLD, RBW, JWS). Dunlin: 27 Apr (2) AS (RK). Short-billed Dowitcher: 18 Apr (2 by call note) HRA (KLD, JWS). LONG-BILLED DOWITCHER: 30 Apr (7 by call note) HRA (KLD). STILT SANDPIPER: 15, 16 May (1) HRA (KLD, JWS). Semipalmated Sandpiper: 8 May to e.o.p. (10-40) HRA (KLD). Western Sandpiper: 13, 15 May (1) Blountville (MD, RK). WILSON'S PHALAROPE: 4 May (13) HRA and CH (JWS); 5 May (3) AM (JWS); 5-7 May (1-3) AS (RK, mob); 7 May (1) Sullivan County (Fred Alsop, RAP). Bonaparte's Gull: 27 Mar (11) BL (DL, SG, MD); 16 Apr (35) SB (LD). Forster's Tern: 25 Apr-9 May (1-11) NFH (RAP, Fred J. Alsop III); 30 Apr-13 May (3-6) BL (ETOS). Common Tern: 3 May (2) MHL (WKJ); 8 May (1) SB (KLD); 15 May (1) BL (SG). Caspian Tern: 16 May (1) CL (WKJ, CPN). Black Tern: 1, 8 May (1, 2) SB (KLD); 13 May (2) BL (MD). Black-billed Cuckoo: 9 May (1) JC (SG); 10 May (5) GV (RAP); "biggest spring influx here in several years" (GDE). (Yellow-billed Cuckoo: Large numbers in East Tennessee this spring (FJA). Whip-poor-will: 27 Apr

(nest w/2 eggs) LaFollette (CPN). Chimney Swift: 2 Apr (1) JC (PR). Red-headed Woodpecker: "1-3 seen regularly in lower Washington Co." (ETOS). Willow Flycatcher: 13 May (1) AS (RK). Olive-sided Flycatcher: 10 and 11 May (1) JC (SG, MD). Horned Lark: 24 Mar (2 ad., nest w/3 eggs) TCA (RAP). Tree Swallow: 18 Apr to e.o.p. (3-150) SB and HRA (KLD, JWS). *BANK SWALLOW*: 15 May (50) HRA (KLD); "returned to last years nesting site at AS on 27 Apr and has been regular since." (ETOS). Rough-winged Swallow: 26 Mar (3) K (CPN, A. Boyd Sharp).

Nuthatch-Warbler: Red-breasted Nuthatch: 15 Apr (1) RR (KLD *et al*). Brown Creeper: 15 Apr (1) K (CPN, JMC *et al*). House Wren: since 20 Apr (6) KP (RAP). *BEWICK'S WREN*: 8 Apr (1) K (CPN, JMC *et al*). Long-billed Marsh Wren: 1 May (1) MN (RAP); 2-6 May (1) AS (ETOS). Short-billed Marsh Wren: 1 May (1) GV (RAP); 2 May (1) AS (SG, MD). *PHILADELPHIA VIREO*: 17 Apr (1) JC (SG). Warbling Vireo: 15 Apr (1) RR (DRJ, LD); 17 Apr (1) TRG (KLD). Swainson's Warbler: 22 Apr to e.o.p. (1 singing on same territory as 1977) RR (KLD *et al*). The following comment was received from Nicholson regarding the warbler migration at Knoxville: "few noteworthy records early part of migration (till late April) 6-8 days later than usual. Some fantastic waves observed in late April and early May making it one of the best years ever. i.e. 30 April—29 species on Sharp's Ridge (JMC)"

Blackbirds-Sparrows: Bobolink: 10 May ("pair") GV (RAP). *BREWER'S BLACKBIRD*: 16 Mar (2) TCA (RL). Blue Grosbeak: since 1 May (8) KP (RAP). Dickcissel: 7 May (1) GV (RAP). Evening Grosbeak: 3 May (50) PP (KHD); 4 May (12) KP (RAP); "a couple of small flocks are still in the area. . ." (GDE). Purple Finch: 15 Apr (2) RR (KLD *et al*). *HOUSE FINCH*: 20 Mar (last 2 reported) Lam (RK). Red Crossbill: 17 Mar (1) PP (KHD). Grasshopper Sparrow: since 1 May (8) HCo (RAP); 13 May (2) TCA (MD). Vesper Sparrow: 25 Mar (10) HRA (KLD); 8 Apr (4) UT Plant Science Farm, K (CPN, JMC *et al*). White-crowned Sparrow: last 5 May (1) Lam (RK). White-throated Sparrow: last 13 May (1) JC (SG). Fox Sparrow: 22 Mar (1) JC (SG). Lincoln's Sparrow: 13 May (1) Erwin (RL).

Abbreviations: e.o.p.—end of period. *et al*—and others. mob—many observers.

Locations: AM—Amnicola Marsh; AS—Austin Springs; BL—Boone Lake; CH—Chattanooga area; ChL—Chickamauga Lake; CL—Cove Lake; EB—Eagle Bend Fish Hatchery; GV—Goshen Valley, Hawkins County; HCo—Hawkins County; HRA—Hiwassee River Area; JC—Johnson City; K—Knoxville; KP—Kingsport; Lam—Lamar; MHL—Melton Hill Lake; MM—Meadowview Marsh; NFH—North Fork Holston River; PP—Point Park; RR—Reflection Riding; SB—Savannah Bay; TCA—Tri-cities Airport; TRG—Tennessee River Gorge.

Initials: CPN—Charles P. Nicholson; DL—Dick Lura; ETOS—Elizabethton Chapter, TOS; GDE—Glen D. Eller; JMC—James M. Campbell; JWS—JoWayne Stone; KHD—Kenneth H. Dubke; KLD—Ken and Lil Dubke; LD—Lil Dubke; MD—Martha Dillenbeck; PR—Pete Range; RAP—Rick A. Phil-

lips; RBW—R. Bruce Wilkey; RL—Richard Lewis; RK—Rick Knight; WJK—Wesley K. James.

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EASTERN MOUNTAIN REGION—This spring season was similar to the past winter "Season" as far as the numbers of unexpected and unusual observations. A Red-necked Grebe, Golden Eagle, and White-winged Crossbills were sighted again and along with these a Black-bellied Plover, dowitchers and Wilson's Phalarope have created a very exciting spring report. Shorebirds and warblers staged a good flight also.

The weather for the period was very warm and dry for the last of March and first ten days of April. Then breaking the warm spell the last week of April and first ten days of May were much colder than is normally expected. Most species were later than normal in arriving and a few of the winter species remained a little longer than usual before departing.

Loon-Hawk: Common Loon: only 1 report on 22 Apr RC (MD, SG). *RED-NECKED GREBE*: last seen 20 Mar (1) RC (DL, GW, LRH). Horned Grebe: last seen 28 Mar (1) GLP (DL) in summer plumage. Double-crested Cormorant: 20 Apr (1) WatL (SG). Green Heron: 1st returned 6 Apr (1) MC (RL). Yellow-crowned Night Heron: 27 Apr (1) HS (GW); 5 May (1) HS (LRH). Green-winged Teal: last seen 29 Mar (1) WagIs (SG, MD). Lesser Scaup: last seen 10 May (2) WatR (GW). Ruddy Duck: 21 Mar (1) RC (GW); 25 Mar (1) GLP (GE, DL); 5 Apr (1) GLP (MD, SK). Hooded Merganser: last seen 5 Apr (2) GLP (ES). Red-breasted Merganser: last seen 22 Apr (21) RC (SG, MD). Common Merganser: 20 Mar (18) and 22 Mar (20) RC (DL, GW). Black Vulture: 11 Apr (2) MC (MD, SG). Sharp-shinned Hawk: 25 Mar (1) E (GE); 4 Apr (1) MC (RL); 9 Apr (1) RM (ES); 22 Apr (1) RC (RK); 25 Apr (1) MC (GW). Cooper's Hawk: 28 Mar (1) Erwin (GS); 2 Apr (1) SV (GW); 7 Apr (1) RM (ES); 13 May (1) Unicoi (HF, GE). Red-shouldered Hawk: 13 May (2) Unicoi (GE, HF). Broad-winged Hawk: 1st returned 7 Apr (1) Sull. Co. (GE).

Eagle-Pipit: *GOLDEN EAGLE*: 8 Apr (1) RM (PDC). Osprey: 1st returned 1 Apr (1) WagIs (LRH). Sora Rail: 13 May (1) GLP (GW, DL). *BLACK-BELLIED PLOVER*: 5-6 May (1) SV (HF) only the area's 2nd record. Greater Yellowlegs: 1st returned 1 Apr (2) SV (RK). Pectoral Sandpiper: 16 Mar thru 13 May (1-3) StJs (ETOS). Dunlin: 13 May (1) RC (JM). Dowitcher *sp.*: 13 May (1) RC (JM, LRH). *WILSON'S PHALAROPE*: 13 May (1) RC (JM, LRH) area's 1st sighting. Bonaparts Gull: 1 Apr (181) WatL (LRH, GW). Forster's Tern: 1 May (6) Sull. Co. (GE). Black-billed Cuckoo: 13 May (2) IMG (SG, RL). Tree Swallow: 9 Apr (25) migrating over RM (DPC). Bank Swallow: 26 Apr (1) Erwin (RL). Cliff Swallow: 26 Apr (3) Erwin (RL). Raven: (1-4) regular on RM and IM (ETOS). Grey Catbird: 1st returned 30 Apr (1) E (HF). Hermit Thrush: last seen 4 Apr (1) MC (RL). Veery: 1st returned 5 May (1) E (HF). Water Pipit: 16 Mar (14) StJs (RK, MD).

Vireo-Sparrow: Solitary Vireo: 1st returned 25 Mar (1) MC (RL). Warbling Vireo: 1st returned 7 May (3) WatR (GW, DL). Black-and-white

Warbler: 1st returned 11 Apr (1) E (HF). Golden-winged Warbler: 1st returned 1 May (2) HS (RK). Blue-winged Warbler: 1st returned 30 Apr (1) E (HF). Yellow-throated Warbler: 1st returned 4 Apr (2) WibL (RK). Blackpoll Warbler: 1st returned 6 May (2) Erwin (GE, GS). Wilson's Warbler: 1st returned 7 May (1 banded) HS (RK). Evening Grosbeak: 2-3 small flocks left at end of period. Purple Finch: last seen 6 May (2) E (GE). Pine Siskin: last seen 9 May (3) MC (GW). Red Crossbill: last seen 18 Mar (25) RM (GE). *WHITE-WINGED CROSSBILL*: last seen 4 Apr (13) RM (DL). Vesper Sparrow: 26 Mar (2) MC (RL, PR). Chipping Sparrow: 1st returned 20 Mar (2) RC (DL). White-crowned Sparrow: last seen 5 May (1) SV (GW). White-throated Sparrow: last seen 12 May (1) E (HF). Fox Sparrow: last seen 9 Apr (1) RM (GE, PDC). Lincoln's Sparrow: 13 May (1) Erwin (RL).

Locations: E—Elizabethton; GLP—Great Lakes Pond (near Eliz); HS—Hunter Swamp (near Eliz); IMG—Iron Mtn Gap; MC—Milligan College; RC—Roans Creek; RM—Roan Mtn.; SV—Siam Valley; StJs—St Johns Pond (near Eliz); SullCo—Sullivan County; WagIs—Wagners Island (along upper WatR); WatL—Watauga Lake; WatR—Watauga River; WibL—Wilbur Lake.

Observers: PDC—Paul and Dot Crawford; MD—Martha Dillenbeck; ETOS—Eliz. chapter T.O.S.; GE—Glen Eller; HF—Harry Farthing; SG—Sally Goodin; LRH—Lee R. Herndon; RK—Rick Knight; DL—Dick Lura; RL—Richard Lewis; JM—John Martin; PR—Pete Range; ES—Ed Schell; GS—Glenn Swofford; GW—Gary Wallace.

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