

THE MIGRANT

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THE MIGRANT

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MARCH, 1987

NO. 1

THE 1986 CHRISTMAS BIRD COUNT

Damien J. Simbeck

A total of 142 species were found in Tennessee during the 1986-87 CBC season, with two additional species found during count week. Mild weather before and during the season had a noticeable effect on most counts. No count reported a high temperature below freezing, and only one had snow. Many lingering species were found, with Yellow-crowned Night-Heron (5th Tenn. CBC record), Greater White-fronted Goose (7th), Merlin (9th), Lesser Yellowlegs (4th), Common Nighthawk (2nd), Tree Swallow (3rd), and Solitary Vireo (9th and 10th) most notable. House Wrens were found on 6 counts, but were only documented on 2 of these. Low numbers were found of most northern passerines, with most reports from eastern counts. Northern Goshawks on 2 counts were notable (7th and 8th records). Waterfowl numbers were down on most counts, while numbers for most raptors and Loggerhead Shrikes were up.

Two species were added to the Tennessee CBC list this year, and another from a late report from last year. Sanderling and the *Empidonax* flycatcher were probably both present due to the mild weather. These three additions bring the total count to about 213 species.

Two counts appear in the summary for the first time. These are Dresden and Nickajack Lake.

Compilers are asked to send in complete data for their count, including documentation of unusual species. Although some species are fairly common in this state, and are late migrants or winter invaders, their occurrence on CBC's is irregular. Many compilers sent only the observer's name as "documentation". Full documentation should include: Observer's name, location of the bird, and a FULL DESCRIPTION of the bird seen. Species reported this year without such documentation included Green-backed Heron, Greater White-fronted Goose, Osprey, Rough-legged Hawk, Merlin, Tree Swallow, House, Sedge, and Marsh Wrens, LeConte's Sparrow, and Northern Oriole. In the future, compilers should have the observers of unusual species submit a written description of the bird, and forward a copy to the state compiler. Blanks have been left in the count summary for data that was not submitted.

As usual, the counts are tabulated from west to east.

THE 1986 CHRISTMAS BIRD COUNT

	NMP	REEL	DRMS	CCSM	BUFF	CLAX	GLDU	DWR	SASH	HICK	HWLF	LEBA	HIGH	PICK	NICJ	NIC2	CHAT	HINA	MORR	KNOK	CSMN	GREE	KING	BRIS	ELIZ	HOAN		
Common Loon	--	3	--	--	--	--	--	--	--	24	--	--	5	--	1	4	20	1	--	--	--	--	--	--	--	--		
Pied-billed Grebe	21	10	--	16	3	1	7	--	5	51	1	8	8	4	350	139	165	38	1	48	--	1	13	11	5	--		
Horned Grebe	--	5	--	1	--	--	--	--	--	66	--	--	11	1	4	8	54	--	--	--	--	--	--	--	--	--		
dbl.-cr. Cormorant	17	1	--	--	--	--	3	--	--	--	--	4	3	--	--	1	1	4	--	--	--	--	--	--	--	--		
Great Blue Heron	26	114	4	104	--	8	74	4	14	55	6	45	31	1	125	105	64	214	4	119	1	13	64	6	5	--		
Green-backed Heron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3*	--	--	--	--	1	--	1	--	--	--	--		
blk.-cr. Night-Heron	--	--	--	--	--	--	--	--	--	47	--	--	--	--	--	--	--	--	--	13	5	--	10	--	--	--		
Yel.-cr. Night-Heron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2*	--	--		
Gr. White-fr. Goose	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Snow Goose	--	15*	--	--	--	--	4*	1*	--	--	--	--	1*	--	--	--	--	1*	--	1*	--	--	--	--	--	--		
Canada Goose	3	28	14	--	11	24	41	--	208	14	165	1030	--	1033	860	--	--	72	16	910	27	59	5	70	249	64	8	--
Wood Duck	8	27	2	6	--	--	2	--	8	2	--	7	2	--	8	5	28	--	--	--	2	--	6	--	--	--	--	
Green-winged Teal	3	19	--	57	--	--	1	--	--	1	--	--	--	--	--	--	--	25	--	--	--	--	--	--	--	--	--	
Amer. Black Duck	--	290	--	917	--	--	38	--	12	2	--	339	24	--	16	50	11	357	2	11	--	105	--	10	7	--		
Mallard	175	57	44	--	4927	15	12	117	--	64	323	6	489	178	17	94	275	218	7000	--	103	--	454	137	70	61	--	
Northern Pintail	--	8	--	51	--	--	--	--	--	1	--	33	--	--	1	--	--	80	--	--	--	--	--	--	1	--		
Blue-winged Teal	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Northern Shoveler	--	10	--	10	--	--	11	--	--	--	--	2	--	--	1	1	1	--	--	--	--	--	--	--	--	--		
Gadwall	3	3250	--	480	1	--	11	--	41	17	--	28	--	--	290	665	188	68	--	57	--	--	20	7	1	--		
American Wigeon	3	2025	--	459	--	--	15	--	42	--	--	73	--	--	12	68	32	96	--	--	--	--	1	0	--	--		
Canvasback	1	50	--	13	--	--	17	--	7	2	--	--	7	--	2	--	10	--	--	--	--	--	--	--	--	--		
Redhead	1	30	--	17	--	--	0	--	--	--	--	--	--	--	--	2	30	2	--	--	--	--	--	--	--	--		
Ring-necked Duck	2	350	--	1455	--	--	41	--	54	6	--	59	6	--	30	17	158	404	--	25	--	--	27	2	--			
Greater Scaup	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20	8	180	--	--	--	--	--	--	--	--	--		
Lesser Scaup	5	40	--	55	--	2	17	--	88	30	--	--	47	41	100	30	2	--	--	--	--	--	--	--	--	--		
Common Goldeneye	--	4	--	4	--	--	7	--	7	16	--	17	3	--	4	53	154	1	--	--	--	--	--	--	--	--		
Bufflehead	--	135	--	--	--	--	5	--	29	68	--	110	9	--	24	27	60	--	--	--	2	--	5	115	--			
Roaded Merganser	1	68	--	104	--	--	15	--	7	40	--	157	31	--	45	32	15	79	--	33	--	--	5	1	--			
Common Merganser	--	3	--	4	--	--	--	--	--	--	--	12*	--	--	--	20	3	--	--	1	--	--	--	--	--	--		
Red-br. Merganser	--	1	--	3	--	--	--	--	1	--	--	--	4	--	3	26	1	25	--	1	--	--	--	--	--	--		
Suddy Duck	1	4100	--	8	--	--	20	--	--	--	--	--	--	--	150	200	46	6	--	--	--	--	--	2	--	--		
Black Vulture	--	7	--	110	46	12	--	55	59	48	--	36	16	137	--	7	54	--	63	--	--	--	120	17	--	--		
Turkey Vulture	--	8	10	7	45	--	1	--	--	--	--	2	22	27	10	--	7	31	--	3	--	--	162	6	1	--		
Osprey	--	--	--	--	--	--	--	--	--	--	--	1*	--	--	1*	--	1*	--	--	--	--	--	1	--	--	--		
Bald Eagle	--	108*	--	6*	--	--	--	--	--	--	--	--	2*	2*	5*	8*	3*	--	--	--	--	--	--	--	--	--		
Northern Harrier	7	5	--	8	8	--	2	6	4	1	3	--	--	1	1	1	--	4	--	4	--	--	--	--	--	--		
Sharp-shinned Hawk	3	1	--	6	1	2	1	1	3	1	1	1	1	2	--	6	5	2	2	6	--	1	3	--	5	--		
Cooper's Hawk	--	1	--	2	3	2	5	2	3	4	1	1	2	--	4	2	1	1	--	1	--	2	3	--	3	--		
Northern Goshawk	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--		
Red-shouldered Hawk	2	16)	14	3	6	1	1	3	1	1	2	--	--	11	7	11	14	1	4	--	--	--	--	--	--		

MIGRANT

MARCH

MDP	REEL	DRES	CGW	BUFF	CLAR	COLU	DRR	NASH	HICK	MURF	LEBA	HIGH	PICK	NICI	SI2C	CHAT	HIMA	NOBR	KNOX	GSMN	GNER	KING	BRIS	ELIZ	ROAN
	41	47*	10	31	25	14	33	24	38	17	38	13	17	41	17	33	22	3	23	5	18	9	8	6	1
Red-tailed Hawk	1	1	1	1	1	1	1	1	1	1	2*	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rough-legged Hawk	27	69	18	11	34	21	65	18	59	36	85	19	50	6	11	12	18	14	5	18	16	13	24	21	12
Golden Eagle	2																								
American Kestrel																									
Serlin																									
Red-tailed Hawk	8	6	38	37	32	19	28	20	5	37	25	2	11	3	4	32	28	8	28	2	20				
Golden Eagle	64																								
American Kestrel																									
Serlin																									
Red-tailed Hawk	78	90		52		2	11		76	10	166	16	4	10M	900M	3224	765		42			19	2		
Golden Eagle	486	165	18	122	124	43	61	12	55	111	58	6	28	10	44	10	342	390	30	254	53	72	133	3	50
American Kestrel																									
Serlin																									
Red-tailed Hawk	7																								
Golden Eagle	26	81	23	20					11	75	42			33	1	32	98		12	2					
American Kestrel	1																								
Serlin																									
Red-tailed Hawk	236	229		30					811		330	30	1	152	225	730	533		273						
Golden Eagle	1	10		2					21		12	12	1	11	5	16	46		2						
American Kestrel	1	61	31	8	25	194	168	63	109	187	60	8	48	11	250	95	766	46	98	425	134	316	667	80	139
Serlin	526	115	32	416	367	171	124	104	416	365	64	51	108	84	525	170	776	692	113	583	260	408	215	108	217
Red-tailed Hawk	3	2	5	6																					
Golden Eagle	1	3	1	9	1	10	4	9	2	2				1	6	2	4	5	1	6	2				
American Kestrel	2	17	2	7	3						1	1		7	2	1	3	2							
Serlin																									
Red-tailed Hawk	12	11	3	28	11	7	13	4	13	28	8	17													
Golden Eagle	27	53	5	2	18	1	3	3																	
American Kestrel	113	110	20	59	35	45	68	30	115	28	13	20	18	21	46	53	52	28	8	38	9	25	17	6	17
Serlin	27	14	4	14	7	11	24	10	23	14	11	2	3	6	32	17	29	8	2	15	5	4	2	1	12
Red-tailed Hawk	74	52	13	47	22	49	54	20	117	47	16	23	15	5	57	43	61	25	11	32	52	36	9	27	6
Golden Eagle	11	16	3	5	12	6	8	3	21	4	3	11	1	1	7	12	6	5	8	10	7	8	1	4	
American Kestrel	117	106	48	3	15	103	47	3	106	46	1	24	11	79	53	64	45	8	45	10	7	20	18	27	1
Serlin	12	30	2	17	16	13	12	10	36	8	1	3	8	37	31	15	15	10	21	31	11	19	6	10	
Red-tailed Hawk		9	1	3	3	1	1	1																	
Golden Eagle	146	363		8	150	2	31							78	18										
American Kestrel																									
Serlin	327	84	93	156	268	313	88	138	284	124	64	71	193	106	500	375	404	268	88	254	62	71	184	84	172
Red-tailed Hawk	131	131	48	303	520	250	97	116	2946	208	126	102	1032	102	600	395	706	450	378	370	288	326	570	382	1304
Golden Eagle																									
American Kestrel																									
Serlin																									

MDSP	REEL	DRES	CCMW	BUFF	CLAR	COLU	DRR	NASH	HICK	MURF	LEMA	HIGH	PICK	NICI	NTCZ	CHAT	HIWA	SORR	KNOX	GSNN	GREE	KING	BRETS	ELIZ	ROAN	
Carolina Chickadee	254	49	107	77	130	100	92	316	107	40	50	3	21	275	215	323	111	68	317	274*	113	136	43	107	41	
Tufted Titmouse	75	81	29	114	90	91	90	37	285	48	37	51	8	34	125	108	191	36	21	112	82	96	59	16	78	29
Red-br. Nuthatch	8	3	--	--	1	3	1	3	2	--	--	--	--	9	37	8	5	6	7	13	1	5	1	6	10	
White-br. Nuthatch	1	25	3	26	47	30	6	1	89	--	--	1	6	8	52	18	42	14	26	28	33	9	25	7	25	
Brown-h. Nuthatch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	6	--	--	--	--	--	--	--	--	--	
Brown Creeper	14	12	--	5	2	3	5	2	16	1	9	3	--	17	11	13	6	4	12	2	5	1	4	1	4	
Carolina Wren	115	91	5	61	33	37	49	12	111	52	14	4	6	5	94	113	136	66	31	143	42	32	60	26	81	
Indigo Bunting	1	--	--	--	--	2	2	--	--	--	2*	--	--	2*	4	--	--	--	--	--	--	--	--	--	--	
House Wren	--	1	--	--	1	2	--	--	2*	--	--	--	3	9	13	10	5	4	8	7	2	5	2	8	3	
Winter Wren	9	18	3	5	1	--	6	1	20	3	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sedge Wren	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Marsh Wren	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Golden-cr. Kinglet	22	14	6	14	7	23	11	4	44	47	3	5	--	116	127	34	108	48	98	86	6	20	14	60	28	
Ruby-cr. Kinglet	35	20	--	1	3	4	5	3	8	1	2	--	--	57	69	74	44	3	26	8	5	2	2	11	1	
Eastern Bluebird	18	11	33	90	59	75	140	66	116	28	43	96	20	56	268	124	151	175	18	114	116	31	77	70	22	
Hermit Thrush	6	24	3	3	1	3	7	14	11	6	3	1	--	27	21	15	7	3	11	6	--	4	--	5	5	
American Robin	621	171	1	305	104	646	1025	533	2388	426	376	32	1	6	255	171	267	318	383	757	18	96	42	6	1	
Nor. Mockingbird	123	39	17	26	34	70	39	64	201	93	42	29	35	15	62	64	82	41	10	109	17	17	44	37	72	
Brown Thrasher	18	12	4	4	2	1	2	--	4	3	1	3	--	42	38	31	9	3	3	7	1	1	--	--	2	
Water Pipit	--	10	--	37	--	--	--	--	--	--	--	--	--	27	38	--	29	--	3	--	--	3	--	--	--	
Cedar Waxwing	55	45	18	89	10	194	131	--	79	8	--	98	--	16	264	268	322	321	20	553	134	117	31	49	240	
Loggerhead Shrike	18	20	1	14	29	9	26	28	23	6	18	4	11	--	6	3	3	16	1	11	--	2	1	2	--	
European Starling	2912	6945	460	395	2434	1834	5008	380	8703	2279	2210	271	--	130	6000	885	1406	2200	280	4809	498	640	2855	815	1415	
Solitary Vireo	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1*	--	--	--	--	--	2*	--	--	--	
Yellow-r. Warbler	104	105	19	4	--	21	8	14	8	25	1	7	--	11	128	146	145	162	13	182	34	35	37	10	60	
Pine Warbler	--	--	--	--	2	--	--	--	--	--	--	3	--	16	18	46	27	--	2	1	--	--	--	--	--	
Palm Warbler	--	--	--	--	--	--	--	--	--	--	--	3	--	5*	3*	--	--	--	--	--	--	--	--	--	--	
Northern Cardinal	540	213	89	349	237	321	317	202	548	257	103	75	51	39	255	116	175	109	75	220	72	123	110	37	158	
Rufous-sided Towhee	38	7	46	52	72	55	28	125	82	20	5	5	11	162	123	90	47	30	75	18	8	26	4	23	6	
Amer. Tree Sparrow	--	6	1	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chipping Sparrow	77	36	37	110	341	100	105	116	80	60	42	12	33	425	320	147	249	65	179	29	36	72	33	146	30	
Field Sparrow	3	1	--	1	1	5	--	--	--	--	--	--	--	--	21	3	20	--	5	1	--	--	--	--	--	
Veepet Sparrow	220	1	--	12	68	5	9	--	1	27	--	--	--	33	166	28	29	--	5	1	--	--	--	2	--	
Bayanna Sparrow	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LeConte's Sparrow	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Fox Sparrow	16	10	2	9	2	4	9	3	5	14	2	2	--	5	4	7	216	63	372	128	73	133	42	248	89	
Song Sparrow	98	159	30	211	168	46	137	72	184	402	19	25	33	32	600	478	577	316	63	372	128	73	133	42	248	
Lincoln's Sparrow	--	--	--	--	1*	--	--	--	--	--	2*	--	--	1*	--	--	--	--	--	--	--	--	--	--	--	
Swamp Sparrow	55	98	27	258	22	1	44	5	13	73	2	1	--	63	48	50	96	13	16	2	--	6	--	1	3	
White-thr. Sparrow	775	364	56	355	189	154	246	47	602	334	81	61	4	49	490	584	203	310	85	466	133	11	102	49	322	
White-cr. Sparrow	83	4	1	12	14	--	59	8	4	8	6	7	1	2	3	--	5	2	11	58	--	16	3	1	4	
Dark-eyed Junco	262	130	75	316	151	175	134	175	491	115	26	89	22	52	138	480	129	88	51	38	146	61	116	83	167	
Lapland Longspur	--	3	--	--	--	--	--	--	--	--	--	9	51M	--	30	137	2402	2680	--	199	17	--	--	--	--	
Red-wing, Blackbird	111	3321	308	665	778	65	2008	524	801	3130	22	9	6M	--	--	--	--	--	--	--	--	--	--	--	--	
Eastern Meadowlark	352	95	65	121	232	133	109	92	71	72	48	19	69	23	195	89	484	272	36	96	12	33	44	14	33	

INFORMATION ON THE COUNTS

	MDP	REEL	DRES	CCM	BUFF	CLAK	COLL	DIR	NASH	HICK	MRFP	LEDA	HIGH	PICK	NC1	NETZ	CHAT	HIMA	NOBR	KNOX	CSNK	GREE	KING	BRIS	ELTZ	ROAN
Rusty Blackbird	1001	8	7	17	300	100R				2	1		30		20	6	91									
Brewer's Blackbird				57																						
Common Grackle	3512	1865	1900	230	317,404	96	108	11	237	21	5000	156	10,5M	1	450	46	804	330		662		4		1002	1	
Bronze, Cowbird	626	1801		301	721	9	200R	653	331		5	137	120		26	31	132	10		100						
Southern Oriole																										
Purple Finch	26	4		19	31	15	138	23	21	8	31	24		9	181	128	19	39	29	59	5	66	25	9	4	
House Finch	28					95	182	65	195	38	97	195	27	1	200	141	86	6	50	384	26	280	248	163	173	24
Red-Crossbill																										
Pine Siskin	4	4		2		51	18	2	6	3		3			50	6	146	8	9	86	453	57	2		25	
American Goldfinch	81	94	24	265	102	111	225	99	283	49	78	76	29	18	1120	490	496	248	75	273	131	172	210	60	155	21
Evening Grosbeak																										
House Sparrow	138	1216	245	61	339	199	54	38	85	77	35	26	453	9	65	150	9	28	62	48	73	114	99	216	72	

Total Species 87 105 38 94 70 65 97 63 78 86 58 78 66 53 97 98 100 99 60 79 64 58 69 61 74 45
 N = 1000 * - See information on the counts. Underlined numbers tie or exceed record highs.

MEMPHIS—21 Dec.; 0700-1615; partly cloudy; temp. 31-50° F; wind var. 2 mph; 39 observers in 8-14 parties; 127 party hours (95 on foot, 32 by car); 193 party miles (73 on foot, 120 by car). Low numbers for many sparrows; lowest ever for W-throated since 1934, except during WWII (*vide* BBC). Good details submitted for Merlin (MW, DD) and LeConte's Sparrow (LC). House Wren deleted - details suggest Winter Wren - (DJS). 86 species, 126,038 individuals. Dianne and William Bean, Carolyn Bullock, Fred Carney, Tina Carpenter, Robert Casey, Ben and Lula Coffey (compilers - 672 N. Belvedere, Memphis 38107), Chris Creech, Dollyann Daily, Julian Darlington, Fred Dickson, Helen Dickelspiel, Harold Elphinstone, John Embury, Robert Endres, James Ferguson, Bill Fowler, Joe Guinn, Van Harris, Ginger and Robert Iardi, David Kesler, Jo Levy, Selma Lewis, Dwight Miller, James Olcese, Gerald Papachristou, George Payne Jr., Bill and Rob Peeples, Ernest Restivo, Virginia Reynolds, Arlo and Noreen Smith, Richard Taylor, Martha Waldron, Richard Whittington, Patricia Wood.

REELFOOT—20 Dec.; 0630-1630; partly cloudy with AM fog; temp. 28-51° F; wind N 0-3 mph; 10 observers in 6 parties; 50 party hours (8 on foot, 36 by car, 6 by boat) plus 1 owl; 488 party miles (19 on foot, 457 by car, 14 by boat) plus 10 owl. One of the Red-tailed Hawks was reported as "Harlan's" race, but no details were submitted. No details were submitted for any unusual species. 70 of the eagles were adults; 10 of the Snow Geese were blue form. Also seen: 750 scaup spp., 500 gull spp. 105 species plus 2 forms, 123,699 individuals. Don Manning (compiler - Rt. 1 Box 303, McKenzie 38201). Participants names not submitted.

DRESDEN—3 Jan.; 0700-1700; AM - partly cloudy, PM - partly cloudy with light rain; temp. 25-39° F; wind NW 0-15 mph; 8 observers, 4 in 2 parties plus 4 at feeders; 18 party hours (8 on foot, 10 by car) plus 8 at feeders, 4.5 owl [when? - DJS]; 80 party miles (5 on foot, 75 by car) plus 10 owl. 60 species, 4,141 individuals. Bethel and Harry Chandler, Donald Doster, Don Manning, Carl and Marie Parks, Relma Rogers, Sam Tucker (compiler - Rt. Box 236, Greenfield 38230).

CROSS CREEKS NWR—21 Dec.; 0200-1700; clear with AM fog; temp. 23-53° F; wind W 0-5 mph; 17 observers in 6-7 parties; 52 party hours (25 on foot, 24 by car, 3 by boat) plus 6.5 owling; 262 party miles (28 on foot, 232 by car, 2 by boat) plus 31 owling. Excellent details submitted for Virginia Rail and Least Sandpiper (both by JR). Also seen: 1 *Accipiter* spp. Excellent details also submitted for 1985 unusual species. 94 species; 26,413 individuals. Michael and Vicki Bierly, Donald Blunk, Gayle Boone, Kinian Cosner, Camille Crenshaw, Chris and Rowan DeBold, Jerry Drewry, Dennis Folczyk, Annie Heilman, Maxey Irwin, Carmen and Victor Janson, Lee Kramer, John Robinson (compiler - P.O. Box 215, Dover 37058), Ellen Walker.

BUFFALO RIVER—27 Dec.; 0350-1720; AM - cloudy, PM - clear; temp. 34-45° F; wind NNE 5-10 mph; 10 observers; 7 in 4 parties plus 3 at feeders; 40.75 party hours (17.5 on foot, 23.25 by car) plus 2 at feeders, 2.75 owling; 236.4 party miles (11.5 on foot, 224.9 by car) plus 36.9 owling. Excellent details submitted for Lincoln's Sparrow (EC, DAS). Seen count week - Great Blue Heron, Wild Turkey, Common Snipe. 70 species, 400,262 individuals. Fran and Robert Claudy, Edward Crouch, Chester and Dot McConnell, Royce Neidert, Ned Piper, Damien and Don Simbeck (compilers - Rt. 2 Box 3A, Loretto 38469), Wylie Willis.

CLARKSVILLE—27 Dec.; 0700-1530; cloudy; temp. 31-44° F; wind 0-10 mph; 24 observers; 10 in 5 parties plus 14 at feeders; party hours (on foot, by car) plus 8 at feeders; party miles (on foot, by car). No details were submitted for any unusual species. 63 species, individuals. Barbara Allen, David Chiles, Jerald and Juanita Harris, Bill Hudson (compiler - 619 Idlewood Dr., Clarksville 37043), Nancy Hughes, Ellen Hutchison, Dennis Jolezls, Therston Lee, Dr. and Mrs. W.G. Lyle, Linda Mattes, Bill Jr. and Gloria Milliken, Evelyn Nixon, Edwin Peck, Haskell Phillips, Louise Podell, Mary Ann Stephens, Jean Thomas, Margaret Vankosyk, Ellen Walker, Barbara Wilbur.

COLUMBIA—27 Dec.; 0330-1700; cloudy; temp. 33-43° F; wind NW 0-6 mph; 19 observers; 13 in 5 parties plus 6 at feeders; 48.5 party hours (23 on foot, 25.5 by car) plus 20 at feeders, 5 owling; 423 party miles (18 on foot, 405 by car) plus 52 owling. The Snow Geese were of the white form. Details of all unusual species included observer's name and location, but no description of the birds seen was submitted. 97 species, 1,016,948 individuals. William Fuqua, Daniel Jr. and Daniel Gray III, William Jernigan, Allyn Lay, Anne and Bedford Lochridge, Mary Lyles, George (compiler - 999 Sunnyside Dr., Columbia 38401) and Mark Mayfield, Allen and Dianne Pressnell, Charles Thomas. Names of feeder-watchers not submitted.

DUCK RIVER RESERVOIR—3 Jan; 0600-1900; partly cloudy; temp. 20-40° F; wind W 0-10 mph; 11 observers; 10 in 5 parties plus 1 at feeders; 32 party hours (19.5 on foot, 12.5 by car) plus 3 at feeders, 3.5 owling; 201 party miles (10 on foot, 191 by car) plus 21 owling. The Snow Goose was the blue form. 63 species, 3636 individuals. Kenneth Anderson, Bill Jernigan, Allyn Lay, Anne and Bedford Lochridge, Cleo and George Mayfield, Mike Penrod, Allen (compiler - Rt. 6 Box 274G, Columbia 38401) and Dianne Pressnell. Name of feeder-watcher not submitted.

NASHVILLE—27 Dec.; 0600-1700; cloudy; temp. 37-43° F; wind NW 0-5 mph; 41 observers, 33 in 12 parties plus 8 at feeders; 102.5 party hours (48 on foot, 54.5 by car) plus 24 at feeders, 1.5 owling; 440 party miles (37 on foot, 403 by car) plus 3 owling. Excellent details submitted for Brewer's Black-

bird (PH). 78 species, 21,588 individuals. Jan Alexander, Linda Anderson, Connie Collopy, Kin Cosner, Bill Cowart, Annella Creech, Camille Crenshaw, Chris and Rowan DeBold, Jerry Drewry, Milbrey Dugger, Evelyn and John Ellis, Lucy, Bill and Margaret Finch, Mary Anne and Tom Guschke, Paul Hamel, Bob Hatcher, Pamilla Hopkins, Maxey Irwin, Lewis Jacobson, Deane McGurk, Marjorie and Oscar Patrick, Larry Raye, Richard Simmers, Ann Tarbell (compiler - 60333 Sherwood Drive, Nashville 32715), David Vogt, Kenneth Walkup, Miriam Weinstein, Betty Worden. Names of feeder-watchers not submitted.

HICKORY-PRIEST—3 Jan; 0500-1730; clear; temp. 21-42° F; wind NE 5-20 mph; 25 observers; 23 in 8-10 parties plus 2 at feeders; 68.5 party hours (44.75 on foot, 23.75 by car) plus 12 at feeders, 3 owling; 257.5 party miles (27.5 on foot, 230 by car) plus 10 owling. Excellent details were submitted for Lesser Yellowlegs (JD), 1 *Empidonax* spp. [photo] (DN), and House Wrens (PS/DV). Also seen 1 *Buteo* spp., 30 unid. blackbirds. 86 species, 11,988 individuals. Frances Abernathy, Jan Alexander, Linda Anderson, Chris and Rowan DeBold, Jerry Drewry, Henry Duffett, Evelyn and John Ellis, Katherine Goodpasture, Mary Ann Guschke, Carol Knauth, Lee Kramer, Margaret Mann, Rocky Milburn, Dick Newton, Betty Richards, Pat Stallings (compiler - 406 N. 17th St., Nashville 37206), Ann Tarbell, David Vogt, Miriam Weinstein, Betty Worden.

MURFREESBORO—27 Dec; 0700-1700; cloudy; temp. 35-45° F; wind 5 mph; 20 observers, 16 in 6 parties plus 4 at feeders; 29 party hours (0 on foot, 29 by car) plus 12 at feeders; 230 party miles (0 on foot, 29 by car). [no birding on foot? - DJS] 58 species, individuals. Russell Driver, C.E. Greever, Edith Hayes, Anne (compiler - 1018 Lawndale Dr., Murfreesboro 37130) and Bob Hettish, John Hooper, Richard and Wilma Hunter, David McCarroll, Pat and Vic Cauley, Gene and Ruth Odom, John Patten, Alberta Spence, Frances Vaughan, Terry Witt. No other names were submitted.

LEBANON—27 Dec; 0700-1630; cloudy; temp. 28-52° F; wind 3-7 mph; 9 observers in 3 parties; 15.5 party hours (1 on foot, 14.5 by car); 180 party miles (1 on foot, 179 by car). Good details submitted for Common Mergansers (FD, RP), Osprey (JR), Rough-legged Hawks (FD, RP), and Bewick's Wrens (FD, RP/EB, VB). 78 species, individuals. Earline and Vernon Berry, Fred Detlefsen, Mildred Gaston, Donald Jenkins, Ruth McMillan (compiler - Rt. 2 Box 141, Lascassas 37085), Kay Norris, Ray Pope, Jeff Reed.

HIGHLAND RIM—27 Dec; 0630-1730; AM - cloudy; PM - clear; temp. 30-40° F; wind light; 17 observers in 7 parties; 34.5 party hours (3 on foot, 31.5 by car); 365 party miles (3 on foot, 362 by car); Both eagles were adults. The Snow Goose was of the white form. A single scap was reported as Greater, but identification was uncertain and no distinguishing details were seen (JB, LB, CP, HP). 67 species, 68,565 individuals. Carol Barr, John and Lois Brunner, Marjory Harper, Marguerite Hernandez, Ruth Luckado, Frances and Philip (compiler - Rt. 2 Box 173B, Hillsboro 37342) Medley, Cloe and Howell Peoples, Erma Rogers, Mary Shelton, Violet Wakefield, Lillie Wilard, Wanda Winnett, Grady and Willa York.

PICKETT COUNTY—22 Dec; 0700-1600; clear; temp. 28-50° F; wind NE 5 mph; 2 observers in 1 party; 7.5 party hours (0.5 on foot, 7 by car); 28.5 party miles (0.5 on foot, 28 by car). Both eagles were immatures. Excellent details submitted for Osprey. 53 species, 1069 individuals. David and Robbie Hassler (compilers - Rt. 1 Box 164A, Byrdstown 37549).

NICKAJACK LAKE (NIC1)—3 Jan; 0300-1730; AM - clear, PM - partly cloudy; temp. 22-43° F; wind NNE 5 mph; 22 observers in 9 parties; 87 party hours (53 on foot, 34 by car) plus 12 owling; 478 party miles (37 on foot, 441 by car) plus 145 owling. All the eagles were adults. Excellent details submitted for Green-backed Heron (DJ), House Wren (JS), Palm Warbler (DJ, KJ, MD), and Lincoln's Sparrow (DJ). 97 species, 28,733 individuals. Katherine Boyles, Mike Davidson, Paul Harris, John Henderson, Caryl Hogsett, Jerry Ingles, Dan and Kathy Jacobson, Starr Klein, Johnny Parks, Kent Pennington, Chuck Robertson, Peter Robinson, Mark Rothberger, Robin Rudd, Gene Ryther, Cindy and Joe (compiler - 4128 Caine Lane, Chattanooga 37421) Stone, Carl Swafford, Dale Taylor, John Whitaker, Dan Williams.

NICKAJACK LAKE 1985 CBC (NIC2)—4 Jan 1986; 0300-1700; AM - cloudy, PM - mostly cloudy; temp. 36-51° F; wind SSE 0-15 mph; 32 observers in 7 parties; 70 party hours (26.5 on foot, 40 by car, 3.5 by boat) plus 7.5 owling; 324 party miles (27 on foot, 287 by car, 10 by boat) plus 110 owling. Five of the eagles were adults. Excellent details submitted for Northern Saw-whet Owl [calling] (ChH, DJ) and Palm Warbler (ChH, AS). Also reported 1 scapup spp., 1 falcon spp. Seen count week - Canvasback. 99 species, 19,006 individuals. Benton and Peggy Basham, Nelson Bennett, Katherine Boyles, Corey Davidson, Cary Hambleton, Chris Haney, Paul Harris, John Henderson, Ann Holland, Daniel and Kathy Jacobson, Al Jenkins, Starr Klein, Johnny Parks, Dave and Tom Patten, Kent Pennington, Tyler Prestwood, Chuck Robertson, Peter Robinson, Robin Rudd, Gene Ryther, Sara Sells, Amy, Cindy and Joe (compiler) Stone, Carl and Chris Swafford, Dale Taylor, Bruce Whilkey, John Whitaker.

CHATTANOOGA—20 Dec; 0400-2200; AM - partly cloudy, PM - clear; temp. 30-56° F; wind N 0-8 mph; 38 observers, 36 in 12 parties plus 2 at feeders; 110 party hours (79 on foot, 31 by car) plus 12 at feeders, 11 owling; 480 party miles (52 by foot, 428 by car) plus 87 owling. Excellent details submitted for Sandhill Crane (JP), Common Nighthawk (PH, DJ, PR) [excellent description], and Solitary Vireo (JHe, JW). Seen count week - Northern Harrier, Gray Catbird [fair description, identified primarily by voice.] 100 species, 18,444 individuals. Edith Bromley, Louise Cash, David Chaffit, Bob Crawford, Angela Davis, Kenneth and Lillian Dubke, Jack Freeman, Paul Harris, John Henderson, Ella and J.N. Howard, Daniel Jacobson, Albert Jenkins, Lenny Kafka, Ross Kindermann, Starr Klein, J.W. Knott, Sandy Kurtz, Johnnie Sue Lyons, Barbara and Michael McMahan, Johnnie Parks (compiler - 1610 E 17th St., Chattanooga 37404), David and Tom Patton, Judith and Wade Rawlins, Peter Robinson, Robin Rudd, Gene Ryther, Joe Stone, Craig, Keith, and Susan Watson, John Whitaker, Dan Williams.

HIWASSEE—1 Jan; 0400-1800; AM - cloudy with light rain, PM - partly cloudy; temp. 37-50° F; wind AM - NNE 0-6 mph, PM - E-NW 3-7 mph; 17 observers in 7 parties; 79 party hours (41 on foot, 32 by car, 2 by boat) plus 4 owling; 495 party miles (25 on foot, 408 by car, 10 by boat) plus 52 owling. One of the eagles was an adult. The Snow Goose was of the blue form. Excellent details submitted for Osprey (CW, KW, SW), Golden Eagle (DB, LD, JP) [third year bird], and Sanderling (LD). Also reported: 17,500 unid. blackbirds. Seen count week - Green-backed Heron (KD,LD), Canvasback, Peregrine Falcon (KD, LD). 99 species, 34,113 individuals. Laurie and Mark Armstrong, Frank Bills, Delbert Blum, Edith Bromley, Kenton Dickerson,

Kenneth and Lillian Dubke, Tony Koella, Brian Locke, Johnny Parks (compiler), Robin Rudd, Boyd Sharp, Craig, Keith, and Susan Watson.

NORRIS—27 Dec; 0630-1815; AM - fog then clear, PM - cloudy; temp. 29-40° F; wind AM - NE 5 mph; 7 observers, 3 in 2 parties plus 4 at feeders; 14 party hours (9.5 on foot, 4.5 by car) plus 3 at feeders, 1.25 owling; 111 party miles (6 on foot, 105 by car) plus 4 owling. Seen count week - Common Goldeneye, American Coot, Eastern Phoebe. 60 species, 2310 individuals. David Hankins, David Highbaugh, Charles Nicholson (compiler - Box 402, Norris 37828). Names of feeder-watchers not submitted.

KNOXVILLE—20 Dec; 0530-1830; clear; temp. 24-54° F; wind N 0-3 mph; 28 observers, 27 in 14 parties plus 1 at feeders; 97 party hours (64 on foot, 33 by car) plus 3 at feeders, 6 owling; 475 party miles (50 on foot, 380 by car) plus 45 owling. Details of Green-backed Heron (JH, JO, BS) lacked a description of the bird seen. 79 species, 13,275 individuals. Jane Beintema, Richard Clark, Robert Collier, William Cowart, Marcia Davis, Barbara Fleming, Louise Fuller, Brice Gilmer, David Hankins, Paul Hartigan, Tom Howe, Joseph Howell, Hal Hubbs, Burt Jones, Tony Koella, Bill Martin, Bettie and James Mason, Sally Mirick, Charles Nicholson, Holly Overton, J.B. Owen, Paul Pardue, Don Powers, Boyd Sharp, James Tanner (compiler - Rt. 28 Box 155, Knoxville 37920).

GREAT SMOKY MOUNTAINS NATIONAL PARK—4 Jan; 0545-1700; mostly cloudy; temp. 20-45° F; wind var. 1-7 mph; 2-3 in. snow at higher elevations; 29 observers in 13 parties; 97 party hours (65.25 on foot, 31.75 by car); 321 party miles (59 on foot, 262 by car). Also reported: 1 *Accipiter* spp. The Chickadees were a mixture of Black-capped and Carolina. 64 species, 4510 individuals. Betty Adams, Jane Beintema, Betty Reid and Jim Campbell, Mario Castro, Howard Chitwood, Richard Clark, Don DeFoe (compiler - Great Smoky Mountains NP, Gatlinburg 37738), Louise Fuller, Ellie Gilmore, Paul Hartigan, David Highbaugh, Mary Jo Hoover, J.C. Howell, Hal Hubbs, Tony Koella, Henry Lix, Barbara and William Martin, Charles Nicholson, Brian and Dee Ostby, Holly Overton, J.B. Owen, Truett Patterson, Brian Rafferty, Laura Rogers, Boyd Sharp, James Tanner.

GREENEVILLE—29 Dec; 0900-1830; cloudy with fog; temp. 24-38° F; wind PM 5-8 mph; 28 [includes feeder-watchers] observers in 6 parties; 27.5 party hours (11.5 on foot, 13.5 by car, 2.5 by canoe) plus 22 at feeders, 3 owling. 218 party miles (8 on foot, 210 by car, by canoe) plus 35 owling. Poor details submitted for Green-backed Heron. 58 species, individuals. Phine Britton, Justin and Violet Carlos, Cynthia and Herbert Cragin, Marjorie Earnest, King and Margaret Gaut, Juanita Heckert, Don and Jim Holt, Dan, Richard, Terry, and Willie Ruth Nevius, Doug Ratledge, Helen Reed, Jo Ann Routledge (compiler - 1218 Woodhaven Lane, Greeneville 37743), Andrew, Helen, and Nathan Spees, Jean Weaver, Virginia Williams.

KINGSPORT—3 Jan; 0800-1800; AM - partly cloudy, PM - clear; temp. 28-41° F; wind SW 0-5 mph; 24 observers, 21 in 7 parties plus 3 at feeders; 50.25 party hours (20.5 on foot, 29.75 by car) plus 20 at feeders, 1.5 owling; 301.6 party miles (21.6 on foot, 280 by car) plus 28 owling. Excellent details submitted for Spotted Sandpiper (WH, TP, TW) and Solitary Vireo (RK). No details submitted for Osprey. 69 species, individuals. Frank Altom, Connie, Reba, and Robert Baker, Donny Blakely, Chris Brown, Sandra Driskell, Glen Eller, George Ford, David and Jim Gilland, Wynn Herbert, Sallie Kennedy, Rick Knight, Betsy McConnell, Peter Morison, Tom Pridgen,

Layrie Sampson, E.E. Scott, Arthur Smith (compiler), Tim Whitley, Frank Williams. Other names not submitted.

BRISTOL—27 Dec; 0400-1630; AM - partly cloudy, PM - clear; temp. 24-44° F; wind calm; 5 observers in 3 parties; 23 party hours (8 on foot, 15 by car) plus 3 owling; 216 party miles (6 on foot, 210 by car) plus 35 owling. Fair details submitted for Northern Goshawk. 62 species, 3800 individuals. Wallace Coffey, Glen Eller, Bert and Loraine Hale, Richard Lewis (compiler - Rt. 3 Box 590, Bristol 37620).

ELIZABETHTON—20 Dec; 0430-1800; AM - clear, PM - partly cloudy; temp. 24-53° F; wind 0.5 mph; 18 observers in 6 parties; 56.5 party hours (27 on foot, 29.5 by car) plus 4 owling; 311.5 party miles (12.5 on foot, 299 by car) plus 3.5 owling. Excellent details submitted for Yellow-crowned Night-Heron (SG, RL, GS). 74 species, 6291 individuals. Fred Alson, Brian and Marty Cross, Martha Dillenbeck, Glen Eller (compiler - Rt. 3 Grandview Terrace, Elizabethton 37643), Harry Farthing, Sally Gooden, Dick and Mildred Hegler, Brenda Hull, Richard Lewis, Ed Schell, Arthur Smith, Glenn Swofford, Cathi Sullins, Gary Wallace, Frank Ward.

ROAN MOUNTAIN—23 Dec; 0600-1615; cloudy with PM rain, temp. 22-42° F; wind SW 0-5 mph; 5 observers in 3 parties; 20 party hours (8 on foot, 12 by car) plus 1.5 owling; 121 party mile (4 on foot, 117 by car) plus 6 owling. Fair details submitted for Northern Goshawk (FA). 45 species, 1163 individuals. Fred Alsop, Glen Eller (compiler), Rick Knight, Glen Swofford, Frank Ward.



IN MEMORIUM: WENDELL LAWRENCE WHITTEMORE

Ben B. Coffey, Jr.

Dr. Whittemore, a prominent and much-loved orthopedic surgeon in Memphis, was a graduate of Rhodes (Southwestern) College and the University of Tennessee School of Medicine. In World War II he was a Navy doctor for 4 years, serving 2½ years in the South Pacific, and rose to the rank of Lieutenant-Commander. He completed orthopedic surgery training at 2 Louisville, Kentucky hospitals, returned to Memphis in 1950, and was a founder of the Memphis Orthopedic Group. He practiced over 35 years at the Methodist Hospital where he was a president of the staff and an associate professor at the University of Tennessee medical school. On 23 June, 1947, he married Annabelle Paine and is survived by her, 3 daughters, and a son. "Whit" was a former vestry member at St. Mary's Episcopal Cathedral.

Born 31 March, 1916, in Provo, Utah, Wendell moved to Memphis in 1928. As a Boy Scout here, he earned his Eagle badge and became one of those Eagles who greatly assisted me in banding Chimney Swifts and in other field work. He joined the Memphis Chapter of the Tennessee Ornithological Society in 1935 and the Wilson Ornithological Society in 1971. He was also a member of the Tennessee Academy of Science at one time. In the *Journal of the Tennessee Academy of Science* was published his "Summer birds of the Reelfoot Lake" (*JTAS* 12:114-128, 1937), which was based on extensive fieldwork during the summer of 1936, when Wendell worked there as a creel clerk.

While stationed at Tulagi in the central Solomon Islands during World War II, he took advantage of opportunities to observe the birds there, naming them for his friends, since there was no handbook in print. Professional seminars, including some overseas, gave him limited chances at new life birds. Wendell accompanied Lula and me on 6 of our trips into Chiapas and Yucatan, Mexico. He was also on the 4 annual 9-day trips made there by our group from the Memphis Chapter. His voluntary and timely professional services eased the path of the large Hardy-Coffey birding tour to Ecuador and the Galapagos in 1977.

His last trip was to the 1986 joint Tennessee and Wilson Ornithological Societies' meeting in the Smokies. His passing on 6 May, 1986, was a great personal loss to many of us in the Memphis Chapter and in our community at large.

672 N. Belvedere, Memphis, TN 38107.

RECORDS OF AUTUMN HAWK MIGRATIONS

Linda J. Fowler, who has been the T.O.S. compiler of autumn hawk flights, preserved copies of the original reports and of notes and meteorological data for the years 1980 through 1985. They have now been placed in the Special Collections of the University of Tennessee Library, Knoxville, where they will be preserved and made available for study.

JAMES T. TANNER, Curator

MINUTES OF THE 1986 FALL MEETING AND SYMPOSIUM

The 1986 Fall Meeting and Symposium, consisting of a Board of Directors meeting, symposium, and field trips, was held at the Quality Inn in Lebanon, Tennessee, 17-19 October 1986. Ninety-eight persons registered for the meeting.

BOARD OF DIRECTORS MEETING

The Board of Directors meeting was called to order by President James Ferguson on 18 October. The reading of the minutes of the April 1986 annual meeting were dispensed with and the minutes were approved as printed.

REPORT OF OFFICERS

VICE PRESIDENT for East Tennessee Lil Dubke reported on the activities of the Greeneville, Knoxville, Lee Herndon and Chattanooga Chapters in her district. VICE PRESIDENT for Middle Tennessee Tom Guschke related news from the Red River Chapter. VICE PRESIDENT for West Tennessee Dollyann Daily invited all to the 1987 Spring Meeting in Memphis, 1-3 May. There were no reports from the SECRETARY or the DIRECTORS-AT-LARGE.

TREASURER George Payne reported that from 10 April 1986 to 16 October 1986, income was \$1,880.30, expenses were \$3,449.38, and capital reserve was \$33,659.46. A detailed report was submitted.

CURATOR James Tanner reported that the notebook containing records of Tennessee birds compiled by Henry Parmer has been placed for permanent storage in the Special Collections of the University of Tennessee Knoxville Library.

EDITOR of *The Migrant* Charles Nicholson reported that three issues have been mailed since the last meeting: December 1985, March 1986 and June 1986. He solicited manuscripts for forthcoming issues. The Editor announced staff changes, including Richard Knight becoming Eastern Ridge and Valley Region Season Report compiler. He thanked the Dubkes for their many years of service to the Society in compiling that report. He will be selecting a new State Count Compiler to replace Richard Knight at that position. Nicholson then announced that he would be resigning as Editor of *The Migrant* in May 1988 and hoped that a replacement would be chosen in May 1987 to make the transition smooth. President Ferguson expressed appreciation for the Editor's efforts in getting *The Migrant* up to date, and he announced that he has asked Dr. James T. Tanner to head a committee to propose a new Editor for *The Migrant* by the 1987 Annual Meeting.

REPORTS OF COMMITTEES

FINANCE Chairperson Richard Taylor was absent but President Ferguson reported that a study is under way for the purpose of increasing returns of the Endowment Fund investments.

CONSERVATION EDUCATION Chairperson Kenneth Dubke reported briefly on committee projects and introduced a written report from Ann Tarbell of the Nashville Chapter recommending that the earlier proposal for a reward fund to help protect Bald Eagles be dropped. Dubke reported that on 13-14 November 1986 the Tennessee Wildlife Resources

Commission will meet in Chattanooga where they will consider the status of endangered and threatened species. He asked for recommendations to present there.

CERTIFICATION Chairperson Charles Nicholson announced a meeting of that committee following the Board of Directors meeting, and he reported that Dianne Bean will be the new committee member from West Tennessee to replace David Pitts, who resigned.

BREEDING BIRD ATLAS Chairperson Paul Hamel reported that about \$3,950 worth of contributions in the form of postage, printing, telephone, etc. have been made by the Tennessee Valley Authority, Tennessee Wildlife Resources Agency (TWRA), and Tennessee Department of Conservation. Regional Coordinators have had about \$300 to \$400 out-of-pocket expenses, and TOS has made a direct expenditure of \$80. He presented a budget for the 1987 season.

EDITOR of *The Tennessee Warbler* William Bean was absent and sent no report.

PATCHES AND DECALS - President-Elect Robbie Hassler asked for a volunteer to handle this assignment and suggested that a new design be developed.

OLD BUSINESS

Robert M. Hatcher, TWRA Coordinator of Nongame and Endangered Species, reported on communications with Monsanto Corporation during which TWRA made recommendations for preserving as much of the Monsanto pond area as possible. He cited the help received from Stephen Stedman and others in this project. The President expressed appreciation for all the efforts as a good follow-up on the Board's resolution of April 1986.

Kenneth Dubke moved that TOS drop the idea of contributing to a reward fund to protect Bald Eagles. The motion was seconded and passed.

NEW BUSINESS

Foray Director Paul Hamel proposed several sites from which he asked the Board to make a choice for the 1987 Foray. Following discussion he moved that the Foray be held in Henry County with Paris Landing State Park as headquarters. In case accommodations are not available there, second choice would be Madison/Henderson Counties with headquarters at Natchez Trace State Park. The motion seconded and passed.

Lil Dubke proposed that brochures be printed to be used to promote TOS. The President appointed Dubke to work on this committee with others to be named.

President Ferguson recognized a new committee, the Membership Committee, made up of the 3 vice presidents. Vice President Daily reported that there are 110 new members for 1986 and asked the newsletter editor to publish names of all new members.

Paul Hamel moved the adoption of a budget for the Atlas Committee for 1987/88 and that TOS appropriate \$530 to defray expenses of Regional Coordinators on a reimbursement basis, with money not spent to be carried over. This motion was seconded and passed.

ANNOUNCEMENTS

President Ferguson announced that he has asked Nelle Moore to serve as Chairperson of a committee to review and update the TOS Constitution.

Committee members are Robbie Hassler, Fred Carney, Lil Dubke and Thomas Guschke. Ferguson asked for recommendations to be voted on at the 1987 Annual Meeting.

James Tanner solicited ideas for people who might be considered for Editor of *The Migrant*, and asked members to write him with suggestions. Other members of this search committee are to be appointed.

George Payne, Memphis Chapter President, reiterated the invitation to come to Memphis 1-3 May 1987 for the first Annual Meeting ever held there and gave further details of meeting plans.

President Ferguson distributed to chapter presidents a list of all current committee members and their terms of office.

Paul Hamel read a request for information for the Western Hemisphere Reserve Network for Shorebird Conservation. This network identifies sites critical for shorebird migration. TWRA has proposed Pace Point as a unit of the program, and Hamel suggested Island 13 for inclusion. He asked for bird records from Island 13 to aid him in preparing a nomination for the site.

Audrey Hoff, new Autumn Hawk Count Compiler, asked that count information be turned in to her by 30 November. Anyone wishing more information or wishing to start a hawk watch is requested to get in touch with her.

Robert Hatcher thanked those who participated in the Conservation / Education project in which chapters placed and monitored bluebird boxes at highway rest areas. He asked for project reports and any additional information.

President Ferguson then thanked Ruth McMillan and the entire John W. Sellars Chapter for arranging and hosting the meeting. He also thanked Stephen J. Stedman, Director of the Fall Symposium, and all the Symposium speakers.

CAROLYN BULLOCK, Secretary.

SYMPOSIUM PROCEEDINGS

The paper sessions of the 1986 Fall Symposium were arranged by Stephen J. Stedman. Abstracts of the papers presented at the Symposium are offered below.

SHOREBIRDS OF THE GALLATIN AREA, by Dot T. and J. Paul Crawford, Nashville Chapter, TOS. Shorebirds have been monitored for 16 years in the Gallatin area, including nearly 1000 trips to TVA's Gallatin Steam Plant, 480 trips to Lewis Pond, and 270 trips to Green's Pond. During this period, changes in the habitat used by the shorebirds at the steam plant were analyzed. Data for 34 species of shorebirds were recorded during the study period. Extreme dates of occurrence for spring and fall migration and maximum numbers encountered were summarized for most of these species.

BIRD CASUALTIES ON THE MTSU CAMPUS, by Patrick J. Doyle, Biology Department, Middle Tennessee State University. Fall surveys of bird kills at the MTSU Murphy Center were conducted in 1983, 1984, and 1985. Birds collected were identified, tagged, and frozen for future reference. Some of the specimens were mounted and placed in the Biology Department Museum. The surveys have provided information on fall migration patterns for 34 species of passerines.

AN OVERVIEW OF THE COASTAL PLAIN PROJECT, 1985-86, by Robert P. Ford, Department of Conservation. The Coastal Plain Project is a study conducted by the Tennessee Department of Conservation and the U.S. Army Corps of Engineers. It is a two-year study (1985-87) of 60 forested wetland sites in west Tennessee. When the analysis is completed, it will detail wetland flora and fauna in a wide range of successional stages. Abundance, diversity, and habitat preference of breeding season and winter birds are key factors. The information obtained will assist the state in preserving critical community types in west Tennessee.

THE 1986 TOS BREEDING BIRD FORAY TO OVERTON COUNTY, by Paul B. Hamel, Department of Conservation. The 1986 Breeding Bird Foray was held on Memorial Day weekend, 23-26 May, and was headquartered at Standing Stone State Rustic Park. A hardy group of 25 observers participated, despite daily rain that hampered some of the field activities. Organized into parties and using the techniques of the Tennessee Breeding Bird Atlas Project, observers visited all of the priority blocks in Overton County, as well as two in Clay and one in Putnam County. In this way, parts of 29 different blocks were covered. For the priority blocks, an intensive day or two of fieldwork were all that were required to register 60 or more species. This is encouraging for future atlas work. A total of 96 species were recorded, 68 as positive breeders. In order of decreasing abundance, the most frequently encountered species were Red-eyed Vireo, Indigo Bunting, Eastern Phoebe, American Crow, Common Yellowthroat, Eastern Wood-Pewee, American Robin, Yellow-breasted Chat, Northern Cardinal, and Eastern Meadowlark, each in at least 19 blocks. We thank each of the observers who participated in this enjoyable weekend and are grateful to Pam Trolinger for help in preparing this manuscript.

THE TENNESSEE BREEDING BIRD ATLAS PROJECT: FIRST YEAR RESULTS, by Charles P. Nicholson, Tennessee Valley Authority, Paul B. Hamel, and the Atlas Regional Coordinators. Preliminary 1986 results show that some level of atlas coverage was attained for at least 376 blocks, 36% of which were #5 priority blocks. Miniroutes were censused in fewer than half the #5 blocks, and many blocks received only incidental coverage. Fewer than one third of the blocks worked appear to have been completed. Approximately one half of the 11,000+ species status records were from #5 blocks. The intensity of coverage varied between regions and was lowest in west Tennessee. Computer-generated maps showing the distribution of atlas effort, and the atlas results for the Indigo Bunting (*Passerina cyanea*) were displayed. Plans to improve project coordination were discussed.

THE BREEDING BIRD ATLAS AFTER THE FIRST YEAR: EVALUATING PROGRESS AND MAINTAINING MOMENTUM, by Charles R. Smith, Cornell Laboratory of Ornithology. The publication of *The Atlas of Breeding Birds in Britain and Ireland* by the British Trust for Ornithology in 1976, began a new era in bird study. Breeding bird atlas projects have swept the world. North America is no exception. Currently the Tennessee Breeding Bird Atlas Project is representative of similar projects now in various stages of completion in at least seven Canadian provinces and thirty-two states. More volunteer observers are involved in atlas projects in North America than in any other organized birding activity, with the possible exception of Christmas Bird Counts, sponsored by the National Audubon Society.

The concept of a breeding bird atlas is elegant in its simplicity. It is not necessary to find active nests so long as observers learn to interpret and pay close attention to the behaviors of the birds they watch. Indeed, an important by-product of atlas studies is a heightened awareness and understanding of bird behavior. At the same time, it is important to remember that the success of any atlas is critically dependent upon volunteer enthusiasm and participation throughout the course of the project. For that reason, annual evaluations of the progress, and the setting of clear objectives for each successive field season are essential components of atlas project management. In New York State, for example, 3,000 volunteer observers contributed over 300,000 hours of time during the six field seasons of that atlas project. The cost of the time those volunteers provided is in the neighborhood of \$2,000,000, a nontrivial amount if state agencies choose to consider the value of in-kind services provided by volunteer observers.

The widespread availability of microcomputers can facilitate annual evaluations of atlas progress, summarizing information in ways that were nearly impossible before 1982. Projects that are fully computer-based, like the Tennessee Breeding Bird Atlas, have a clear advantage in their potential to provide timely, accurate, and comprehensive annual summaries of atlas information. In the period between the end of one field season and the beginning of another, atlas project managers should review progress in coverage on a block-by-block basis. Careful attention should be paid to assure that a consistent effort is made each season to survey each block adequately for rare species and for cryptic species such as marsh inhabitants and nocturnal or crepuscular species. If not accomplished during the first field season, a concentrated effort should be made during the second field season to determine the time required from observers to survey representative blocks adequately. The veracity of questionable observations or observations of very rare species should be ascertained during or at the end of each field season, rather than waiting until the end of an atlas project.

As we learn more about the dynamics of bird populations, it is becoming increasingly clear that some method is needed to incorporate estimates of relative abundance into breeding bird atlas projects. Tennessee, like some other states (e.g., Maryland), is using a system of miniroutes, shorter versions of U.S. Fish and Wildlife Service Breeding Bird Survey (BBS) routes, to survey species. Coverage of miniroutes as well as regular BBS routes will provide valuable information about relative abundances of bird species concurrent with atlas distributional information. Such abundance information could be useful in achieving a more refined interpretation of the distributional patterns for any species which tends to be more widespread geographically during periods of high relative abundance.

It is important to remember that a breeding bird atlas is only a means to many possible ends. The value of atlas information is not limited to the publication of a book of maps and natural history information about the breeding birds of a state or province. Though the development of applications for atlas information is still in its earliest stages, it is already clear that a number of correlation studies of atlas information with other kinds of geographically-based information are possible. For example, it might be useful to correlate the distribution of many species of birds with land-use patterns as determined from aerial or satellite photography available for atlas regions. And Dutch ornithologists have demonstrated that atlas information can be used to define and delineate biogeographic regions for the breeding birds of the Netherlands.

During the course of a breeding bird atlas, it is important to begin planning for how atlas information can be applied to achieve a better understanding of the distribution and management needs of birds once the field studies are completed. Also, it is important not to forget that the first breeding bird atlas for any region is only the beginning. The potential value of a breeding bird atlas only can be realized fully when the project is repeated at some future date. It is only after an atlas is repeated that meaningful comparisons of changes in bird distributions over time can be accomplished.

THE WINTER ROADSIDE RAPTOR SURVEY: FIRST YEAR RESULTS, by Stephen J. Stedman, Symposium Director, TOS. A Winter Roadside Raptor Survey was initiated during the winter of 1985-86. Modeled on raptor surveys conducted in the 1940's by Craighead and Craighead in the upper midwest, this survey was limited to middle Tennessee during its first season, when 18 surveys were conducted by 23 observers, who covered 2288 km of roads in 12 counties. Data for 10 diurnal raptors and the Loggerhead Shrike (*Lanius ludovicianus*) were collected and analyzed. Results of the surveys showed that the rank order of abundance for these species closely paralleled their rank order of abundance on middle Tennessee Christmas Bird Counts, suggesting that these surveys are a valid measurement of winter raptor populations. In addition, the surveys revealed that the wintering American Kestrel (*Falco sparverius*) population in middle Tennessee consisted of 57% males and 43% females. The wintering population of Red-tailed Hawks (*Buteo jamaicensis*) consisted of 87% adults and 13% immatures. The survey analysis suggested that winter mortality rates for some species could be established in the future.

MINUTES OF DECEMBER 1986 BOARD OF DIRECTORS SPECIAL CALLED MEETING

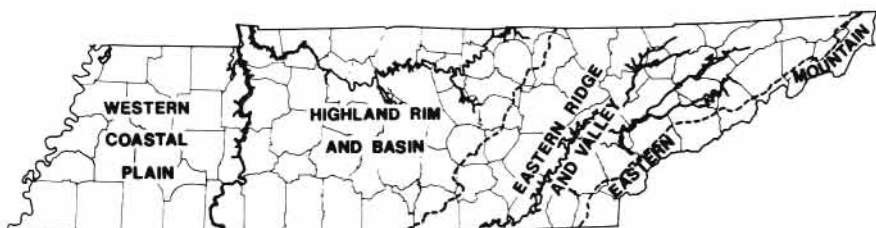
A special called meeting of the Board of Directors was held 10 December 1986 in Nashville, Tennessee. Vice President for Middle Tennessee Tom Guschke served as Chairman pro-tem in the absence of President James Ferguson and Vice President for West Tennessee Dollyann Daily. Eight directors were present, and enough others were represented by proxies to have a quorum.

After calling the meeting to order, Guschke explained the purpose of the meeting, as specified by Article III, Section 5 of the TOS Constitution, relating to the filling of vacancies in any office. President-Elect Robbie Hassler has submitted her resignation from that position, requiring the Board to fill that vacancy. Guschke reviewed the requirements of Article III, Section 4, which specified the next president be from the Middle Tennessee region. The Nominating Committee nominated Stephen Stedman for the office of President-Elect. A motion was passed accepting the report of the committee. No nominations were made from the floor, and after discussion was opened, the question was called. The vote was taken to elect Stedman as President-Elect, with 26 voting yes, one voting no, and one abstaining.

There being no further business of the special called meeting, the meeting was adjourned.

TOM GUSCHKE, Vice President for Middle Tennessee.

THE SEASON



FALL MIGRATION: 1 AUGUST — 30 NOVEMBER 1986

Warmer than average temperatures prevailed throughout this fall, and the first heavy frosts did not occur until early November. Heavier than average rainfall late in the season helped the state to recover from the drought. Rainfall totals for the year were still below average at the end of the season. As during the last 2 fall seasons, there were few strong cold fronts with associated waves of migrants. Judging from the reports here, the passerine migration was rather dull. The state's 2 "Operation Recovery" style banding stations in east Tennessee both reported below-average capture rates. The amount of space devoted to the non-passerines in the following reports is over twice that devoted to the passerines, far out of proportion to the number of species in each group. Are birders devoting more effort to the easily observable hawks, waterfowl, and shorebirds than to the harder to find passerines?

There were many notable observations. Several species of shorebirds occurred in very high numbers and much later than normal in the Memphis area. The first Ross' Goose in the state was reported from Cross Creeks refuge. About 5000 Sandhill Cranes were observed, which, although there was undoubtedly some duplication in these reports, accounts for over half of the known population of the eastern migratory subspecies. The population apparently passed somewhat west of its normal route, as there were more reports than normal from middle Tennessee, and fewer reports from the Knoxville area and the northern end of the Cumberlands. High numbers of Common Loons and Double-crested Cormorants were reported from east and middle Tennessee; the 400 loons and 170 cormorants on Watauga Lake on 12 November must have been a truly impressive sight. Red-breasted Nuthatches were reported from east and middle Tennessee in late September and early October. Pine Siskins were present throughout the state by early November, and a few Evening Grosbeaks were reported late in the period.

A new compiler for the Eastern Ridge and Valley Region debuts in this issue. I welcome Rick Knight to this position, and wish him luck. Rick takes over from Ken and Lil Dubke, who compiled this report for 10 years. On behalf of the TOS, I thank Ken and Lil for a job well done. -- CHARLES P. NICHOLSON.

Abbreviations used in these reports include: b - banded; EOP - end of period; ers - earliest report of season; lrs - latest report of season; max - maximum number reported in 1 county in 1 day during season; m.ob. - many observers; WMA - Wildlife Management Area.

WESTERN COASTAL PLAIN REGION - Very dry conditions and warm temperatures characterized this season. Fall migration of uncommon species and warbler species seemed to be confined to a few days of intense movement. Reports of a Surf Scoter, late migrating Broad-winged Hawks, a high number of Least Sandpipers and greater than normal concentration of other shorebirds. A Red-necked Phalarope, Brewster's and Connecticut Warblers, Lark and Sharp-tailed Sparrows encouraged more observers to go into the field. Winter visitors were not observed in any great number and did not arrive unusually early or late. Sparrows seemed low in numbers, while wrens were numerous. Blue-winged, Golden-winged, and Wilson's Warblers were more numerous than in past seasons.

Loon-Falcon: Common Loon: 2, 22 Aug (1) PSL (MHI, ECC, CKC, JCR); 10 Oct (34) PAP (MHI); 8 Nov (61) PLS (JCR); 10 Nov (2), 15 Nov (1) ESL (DAD, JRW). Horned Grebe: 19 Oct (3) PAP (MHI); 22 Nov (42) PLS (JCR). White Pelican: 7 Oct (20) MEM (BBC); 13 Oct (23) WNR (*fide* USFWS personnel); 26 Oct (37) SFP (JBG); 2 Nov (40) Horseshoe Lake, ARK (BBC, LCC). Double-crested Cormorant: 19 Oct (42) BSU, PAP (MHI); 10 Nov (4) ESL (DAD, JRW). ANHINGA: 10 Nov (46) ESL (DAD, JRW), latest date and highest number recorded for area. Great Blue Heron: 6 Sep (15) Island 21, DYC, 17-27 Sep (15-57) I13 (WGC). Great Egret: 16 Aug (58) 1 mi N of TN 103, DYC (WGC); 8 Nov (1) PAP, BRP (JCR). Snowy Egret: 1 Aug (35) levee and TN 103, DYC (WGC). Little Blue Heron: 1 Aug (3 ad), 11 Aug (3 imm) I13 (WGC). Cattle Egret: 7 Nov (1) Millfield, DYC (WGC), lrs. American Wigeon: 6 Sep (2) PAP (WAS). SURF SCOTER: 8-9 Nov (1-2) PLS (JCR), second record for region and PLS. Common Goldeneye: 8 Nov (2) PLS (JCR). Hooded Merganser: 15 Nov (92) BSU (JCR). Turkey Vulture: 30 Aug (50+) BSU (AHH, NRH). Osprey: 21 Sep (1) ESL (MTOS); 4 Nov (1) PEF (JRW). Mississippi Kite: last report 6 Sep (4) Heloise, DYC (WGC). Bald Eagle: 23 Nov (1) Busselton Unit, TNWR, DTC (CHB, DPB, DAD, MGW). Sharp-shinned Hawk: 1 Sep (1) I13 (SJS *et al.*); 29 Sep (1) MEM (JRW); 1 Nov (2) ESL (DAD, JRW); 2, 23 Nov (10) PEF (VBR, JRW). Cooper's Hawk: 1 Sep (1) I13 (SJS *et al.*); 7 Sep (1) PEF (NMS, MGW); 8 Sep (1) I13 (JRW, JBG, RTC); 22 Oct (1) MEM (CHB, SCF, JRW); 17 Nov (1) MEM (DAD). Red-shouldered Hawk: 30 Aug/1 Sep (1) I13 (MTOS/SJS *et al.*); 1 Sep (1) east SBC (CHB, WJB, DPB, VBR, GRP, MGW); 8, 10 Sep (1) PEF (CHB, SCF, NMS, JRW, MGW). Broad-winged Hawk: 27 Sep (22) SE of Willistown, Fayette Co. (BBC, LCC); 6 Oct (122) MEM (Jo L. Levy), (34) MEM (CHB), (50) MEM (SCF); 8 Nov (1) PEF (RTC); 10 Nov (46) ESL (DAD, JRW). Rough-legged Hawk: 8-10 Nov (2) PEF (RTC); 27 Nov (1) Lake Isom NWR, Lake Co. (Van Harris). Peregrine Falcon: 8 Sep (1) I13 (JRW, JBG, RTC); 21 Sep (1) ESL (MTOS); 1 Nov (1) ESL (DAD, JRW). PRAIRIE FALCON: 6 Sep (1) Mound City TN/ARK line (RTC).

Rail-Avocet: Virginia Rail: 5 Oct (1) MEM (Mrs. James B. Kisner). Killdeer: 9 Aug (30), 11 Aug (55) I13 (WGC); to 15 Nov (4-350) ESL (JRW). Black-bellied Plover: 11 Aug (1) PAP (AHH, NRH); 16 Aug - 1 Sep (1-3) I13 (JCR, ECC, CKC, WGC, MTOS, SJS *et al.*); 13 Sep - 2 Oct (1) ESL (JRW, DAD, MGW, CHB, MTOS). Lesser Golden-Plover: 24 Aug (1), 28 Sep (2) ESL (BBC, LCC). Semipalmated Plover: 2 Aug - 26 Sep (2-5) ESL (JRW, CHB, DAD, MGW); 15 Aug - 20 Sep (4-40) I13 (WGC, JCR, JRW); 31 Aug (11), 17 Sep (5) PAP (AHH). Piping Plover: 11 Aug (1) I13 (WGC); 30 Aug (1) I13 (MTOS); 30 Aug (1) PAP (NRH). Avocet: 15 Sep (1) I13 (WGC).

Yellowlegs - Phalarope: Lesser Yellowlegs: 2 Aug - 2 Oct (1-48) ESL (JRW, CHB, DAD, MGW); 15 Nov (1) ESL (JRW). Solitary Sandpiper: 2 Aug (22), 9 Aug (9) ESL (JRW); 17 Aug (3) I13 (MHI, CKC, ECC); 17 Aug - 26 Sep (1-7, sporadic) ESL (JRW, CHB, DAD, MGW); 22 Nov (1) ESL (JRW), late. Willet: 17 Aug, 5, 12 Sep (1) I13 (ECC, MHI, WGC). Spotted Sandpiper: 2 Aug (11) ESL (JRW); 17-23 Aug (2-6) ESL (JRW, CHB, DAD, MGW). Upland Sandpiper: 17 Aug (2) I13 (CKC); 30 Aug (5) 1 mi S of Alamo, Crockett Co. (DFV). Sanderling: 4 Aug - 24 Sep (1-13), max on 24 Sep, I13 (JCR, WGC, CKC, ECC, MHI); 5 Sep (3), 17 Sep (4) PAP (WAS, AHH); 23 Sep - 13 Oct (1-2) ESL (JRW, CHB, MGW). Ruddy Turnstone: 2 Aug (5), 10 Aug (6) I13 (WGC, JCR); 6 Sep (2) PAP (WAS); 7-24 Sep (2-11), max on 7-8 Sep, I13, (RTC, JGB, JRW, TJW, WGC). Western Sandpiper: 2 Aug (18) ESL (JRW); 17 Aug - 8 Sep (8-17) I13 (MHI, ECC, CKC, MTOS, SJS *et al.*); 13 Sep - 2 Oct (2-8) ESL (JRW, CHB, DAD, MGW); 1 Nov (2), 15 Nov (1) ESL (DAD, JRW), late. Baird's Sandpiper: 9 Aug (1) PAP (MHI, ECC, CKC); 9 Aug (1) ESL (JRW); 30 Aug - 24 Sep (1-8) I13 (MTOS, WGC); 13 Sep (4) PAP (TJW); 21 Sep - 13 Oct (1-5) ESL (MTOS, JRW, CHB, MGW); 15 Nov (1) ESL (JRW), late. Least Sandpiper: from 78-685 during Aug and Sep at ESL (JRW *et al.*); then higher numbers - 2 Oct (1064), 25 Oct (**2600**), 26 Oct (1500), 30 Oct (452), 1 Nov (850), 10 Nov (1100), 15 Nov (1400) ESL (JRW, CHB, MGW, DAD). White-rumped Sandpiper: 26 Oct (4), 1 Nov (2) ESL (JRW, DAD, MGW). Pectoral Sandpiper: 8 Aug (50), 11 Aug (35) I13 (WGC); 21 Aug (115) Heloise, DYC (WGC); during Aug and Sep (64-320) ESL (JRW *et al.*); 21 Nov (1) ESL (JRW) and (1) BSU (JCR), latest area records by 15 days. Dunlin: 19 Oct (5) PAP (MHI); 26 Oct (130) ESL (DAD, JRW, MGW); 27 Oct (3) BRP (AHH, Ellen J. Walker); 30 Oct - 22 Nov (30-1) ESL (CHB, DAD, MGW, JRW). **Stilt Sandpiper**: 2 Aug (12) ESL (JRW); 8 Aug - 20 Sep (1-21), max on 20 Sep, I13 (WGC); 26 Sep (3), 28 Sep (14), 26 Oct (18) ESL (DAD, JRW, MGW); 1 Nov (3) ESL (DAD, JRW); **15 Nov (2) ESL (JRW)**, latest regional date by 2 months. Buff-breasted Sandpiper: 10 Aug (1) I13 (JCR); 30 Aug - 20 Sep (1-4) I13 (MTOS, SJS, JRW, RTC, JGB, WGC *et al.*); 13 Sep (2) PAP (TJW); 21 Sep, 2 Oct (1) ESL (MTOS, CHB, JRW, MGW). Short-billed Dowitcher: 17 Aug (1) I13 (ECC, MHI, CKC); 23-24 Sep (1) ESL (JRW). Long-billed Dowitcher: 28 Jul (1) levee and TN 79, LKC (WGC). Dowitcher species: 1 Aug (1) levee and TN 103, LKC (WGC); 8-11 Aug (7-1) I13 (WGC). Common Snipe: 15 Nov (15) ESL (JRW). Wilson's Phalarope: 16 Aug (1) (JCR), 25 Aug (1) I13 (WGC); 13 Sep (1) PEF (MGW, JRW). **RED-NECKED PHALAROPE**: 25 Aug - 1 Sep (1-2) I13 (WGC, MTOS, SJS *et al.*).

Jaeger - Tern: **JAEGER SPECIES**: 24 Aug (1) Mississippi R., SW Shelby Co. (DNB, DAD, CPN, GRP, JRW, MGW); details to be published. **FRANKLIN'S GULL**: 10 Nov (7) ESL (DAD, JRW), rare species in state. Bonaparte's Gull: 30 Aug (1) PAP (AHH, NRH). Ring-billed Gull: 10 Aug (1) I13 (DJS, SJS). Caspian Tern: 2 Aug (5) (WGC), 17 Aug (1) I13 (MHI, ECC, CKC), 11 Aug (5) PLS (AHH, NRH); 17 Sep (1) PAP (AHH); 2 Oct (14), 4 Oct (1) ESL (JRW, CHB, MGW). Common Tern: 9 Aug (1) PAP (MHI, ECC, CKC); 6 Sep (2) PAP (WAS). Forster's Tern: 2 Aug (2) PLS (JCR); 2 Aug (3), 9 Aug (4) PAP, 17 Aug (1) I13 (MHI, ECC, CKC); 30 Aug (2), 17 Sep (10) PAP (ANN, NRH); 26 Sep (14), 28 Sep (1) ESL (JRW, DAD, MGW). Least Tern: last reports, 3, 5 Sep (1), 8 Sep (0) I13 (WGC). Black Tern: 9 Aug (17) I13 (WGC); 9 Aug (2) PAP (MHI, ECC, CKC); 11 Aug (12), 25 Aug (18) PLS (JCR); 6 Sep (74) PAP (WAS), high; 8 Sep (1) I13 (JRW, JGB, RTC); 17 Sep (10) PAP (AHH).

Nighthawk—Vireo: Common Nighthawk: 4 Sep (kettles of 80-200, with total of 2000) MEM (JRW); 1 Nov (3) REL (JAF, SCF). Red-headed Woodpecker: 26 Oct (122) SFP (MTOS). Olive-sided Flycatcher: 16-17 Aug (1-2) NE DTC (CHB); 21 Sep (1) TOF (MTOS). Purple Martin: 16 Aug (725) LKC (JCR). Tree Swallow: 30 Aug (1015) I13 (MTOS); 9 Nov (350) ESL (DAD, JRW). House Wren: 15 Oct (2) Wapanocca NWR, ARK (CHB, HBD); 21 Oct (1) PEF (DAD, MGW); 22 Oct (2) MEM (CHB, SCF, JBW). Winter Wren: 2 Nov (1) PEF (DPB, DAD, MGW); 15 Nov (1) MEM (DPB, DHB, JAF, MGW). Sedge Wren: 5 Oct (1) NE DTC (CHB). Marsh Wren: 1 Nov (1) ESL (DAD, JRW). Eastern Bluebird: 1 Nov (19) Ponderosa and TN River Bottoms, 2 Nov (10) in 15 mi by car, DTC (CHB). Water Pipit: 22 Nov (3) ESL (JRW). Solitary Vireo: 16 Oct (1) MEM (CHB); 8 Nov (1) PEF (JRW, MTOS); 14 Nov (1) MEM (CHB). Warbling Vireo: 30 Aug (4) I13 (MTOS); 1 Sep (15+) I13 (SJS *et al.*). Philadelphia Vireo: 21 Sep (1) PEF (CHB, GRP, MGW); 24 Sep (1) SFP (HBD, SCF, NMS, Selma L. Lewis, JBW).

Warbler—Siskin: Blue-winged Warbler: 8 Sep (2), 10 Sep (4) PEF (CHB, NMS, MGW, JRW); 4 Oct (1) ESL (JRW). Golden-winged Warbler: 8-10 Sep (2-4) PEF (CHB, NMS, MGW, JRW); 18 Sep (2) PEF (CHB, HBD); 7, 14 Sep, 4 Oct (1) NE DTC (CHB); 1 Oct (1) HWR, HVC (HBD, CHB). BREWSTER'S WARBLER: 8 Sep (1) PEF (JRW), second regional record. Tennessee Warbler: 4 Nov (4) ESL (DAD, JRW). Orange-crowned Warbler: 19 Oct (3) BSU (MHI); 8 Nov (1) PEF (MGW, MTOS). Black-throated Green Warbler: 2 Aug (1) MEM (CHB). Prairie Warbler: 17 Sep (1) PAP (AHH). Palm Warbler: 19 Oct (20) BSU (MHI). Black-and-White Warbler: 1 Nov (1) ESL (DAD, JRW). CONNECTICUT WARBLER: 7 Sep (1) PEF (MGW, NMS), second published regional fall record. MOURNING WARBLER: 2 Nov (1) PEF (DPB, DAD, MGW), late. Vesper Sparrow: 15 Nov (1) ESL (JRW). LARK SPARROW: 9 Nov (5) PEF (GRP, VBR, MGW), new regional late record, previous late date 20 SEP 1984. SHARP-TAILED SPARROW: 9 Nov (1) BRP (JCR). Lincoln's Sparrow: 19 Oct (2) BSU (MHI). White-crowned Sparrow: 1 Nov (7) ESL (DAD, JRW); 8 Nov (16) PEF (MTOS); 15 Nov (50) ESL (JRW), high number. Lapland Longspur: 9 Nov (3) BRP (JCR). House Finch: 19-20 Oct (2) DYC (Cecil Ingle); 12 Nov (first arrival at Coffey Ground) MEM (BCC, LCC). Pine Siskin: 1 Nov (40) ESL (DAD, JRW); 8-28 Nov (4-50+) DYC (WGC); uncommon to locally common at a few feeders in SBC (*vide* BBC).

Locations: BRP - Britton Ford, Tenn. Nat. Wildl. Refuge, Henry Co.; BSU - Big Sandy Unit, Tenn. Nat. Wildl. Refuge, Henry and Benton Cos.; DTC - Decatur Co.; ESL - Ensley Sewage Lagoons, Shelby Co.; HWR - Hatchie Wildlife Refuge, Haywood Co.; I13 - Island 13, Mississippi River, Lake Co.; LKC - Lake Co.; MEM - Memphis; PAP - Pace Point, Tenn. Nat. Wildl. Refuge, Henry Co.; PEF - Shelby Co. Penal Farm; PLS - Paris Landing State Park, Henry Co.; REL - Reelfoot Lake, Obion/Lake Cos.; SBC - Shelby Co.; SFP - Shelby Forest State Park, Shelby Co.; TOF - T.O. Fuller State Park, Shelby Co.; WNC - Wapanocca Nat. Wildl. Refuge, Arkansas.

MARTHA G. WALDRON, 1626 Yorkshire Dr., Memphis, TN 38128.

HIGHLAND RIM AND BASIN REGION—Weather conditions during the fall of 1986 were varied. August temperatures throughout the region were cool, but September was extremely warm, while October and November were about normal. Nashville's rainfall in August was normal

(3.21 in), in September an inch and a half deficient (2.19 in), in October a half inch deficient (2.19 in), and in November four inches in excess (7.43 in); most other cities in the region also received more than the normal amount of rainfall over the four-month period with Lawrence Co. receiving significantly more.

The migration through the region was generally less varied than the weather. The overall impression which the season left was one of dullness so far as passerines were concerned; however, rarities among species between loons and woodpeckers on the checklist somewhat made up for that condition. Certainly the state's first Ross' Goose at Cross Creeks NWR in November caused a considerable stir in ornithological circles to judge from the cavalcade of vehicles which showed up at the refuge on November 22nd. For the first time all three phalaropes occurred in the Nashville Area in the same season. And for only the second time all three scoters appeared in the Nashville Area during one season. These and other rarities kept the season from being entirely un spectacular.

A few other matters deserve mention. Broad-winged Hawks staged a fine migration in the Nashville Area 27-28 September when over 300 were recorded, more than half of those at one site in Williamson County. The Sandhill Crane migration in the region may be the finest one on record, with nearly 2000 birds observed, most between 3-27 November. Evidence of an American Crow migration was offered from an observer in Putnam County; although probably common enough, this phenomenon is certainly little noted and reported in the region, as is the case regarding the autumn migration of Blue Jays.

Boreal invaders were little in evidence this fall. No Rough-legged Hawks had been sighted by season's end; Red-breasted Nuthatches were reported in mostly low numbers during October and then thinned out. Purple Finches were present in low to moderate numbers by the end of November; House Finches were not reported as overly numerous anywhere in the region; Pine Siskins made an appearance in mid-October but were in low numbers then and thereafter; only a few Evening Grosbeaks were present.

For their prompt and careful review of an early draft of this report, I thank John C. Robinson, Damien J. Simbeck, and Morris D. Williams.

Loon—Night-Heron: Common Loon: 12 Oct (7) OHL, SUC (MHI, ECC), ers. Pied-billed Grebe: 2 Aug (1) FRR (SJS), ers. Horned Grebe: 19 Oct (9) DRU (MHI), ers; notable influx in FK (JRP), SWC (JCR), WMC (CAS) on 26 Nov. Double-crested Cormorant: 24 Aug (1) FCMR (JCR), ers; 19 Oct (329) DRU (MHI), max. AMERICAN WHITE PELICAN: 19-20 Oct (1) DRU (MHI, CKC), 11th middle Tennessee record and 2nd consecutive year at this site (good documentation). Great Blue Heron: 19 Oct (153) DRU (MHI), max. Great Egret: 19 Oct (86) DRU (MHI), max; 6 Nov (1) CCSP (JCR), lrs. SNOWY EGRET: 20/23 Aug (1) GSP/Green's Pond, SUC (SJS, CGD, MHI, CKC/DTC, JPC, SJS, BHS), continues Summer 86 record; 17, 23 Aug (1 imm) CCNWR (JCR), only reports. Little Blue Heron: 5 Aug (65) CCNWR (JCR), max. Cattle Egret: 24 Sep (3) Dale Hollow L., Overton Co. (RVM, Larry L. McFarlin, Linda Bowman); 8 Nov (1) CCNWR (JCR, MHI, CGD, ECC), only reports. Green-backed Heron: 2 Nov (1) MOP (JCR, SJS, BHS), lrs. Yellow-crowned Night-Heron: 2-3 Aug (3 imm, 1 ad) Tullahoma, CFC (HJP, Marjory A. Harper); 9 Aug (1 imm) MOP (JCR, SJS, BHS, DTC, JPC), only reports.

Swan-Merganser: TUNDRA SWAN: 16 Nov (1 ad) Quarry Pond, RUC (TJW), only report. Greater White-fronted Goose: 30 Nov (5) CCNWR (MHI, JCR), only report. **ROSS' GOOSE**: 20 Nov (1 ad) CCNWR (JCR), first state record (excellent documentation); details will be published. Green-winged Teal: 9 Aug (1) MOP (SJS, DTC, JPC, BHS, JCR), ers; 13 Aug (1) CCNWR (JCR); both very early. American Black Duck: 20 Aug (1) CCNWR (JCR), ers. Blue-winged Teal: 2 Aug (4) GSP (DTC, JPC), ers; 19 Oct (1400+) DRU (MHI), max. Northern Shoveler: 6 Sep (2) GSP (DTC, JPC), ers. American Wigeon: 26 Sep (3) S of Franklin, WMC (SJS), ers. Canvasback: 30 Oct (14) FRR (SJS), ers. Redhead: 6 Nov (1) FRR (SJS), ers. **BLACK SCOTER**: 11-12 Nov (1) FRR (SJS, MHI, CKC, JRP, Jerry L. Ingles, Chris Parrish), 5th NA & 1st WMC record; about 12th state record. Surf Scoter: 11-12 Nov (2) FRR (SJS, MHI, CKC), only report. White-winged Scoter: 25 Oct (1) OHL, SUC (CKC), only report. Common Merganser: 30 Nov (19) CCNWR (JCR), only report.

Vulture-Merlin: Black Vulture: 1 Nov (450+) GSP (DTC, JPC), max. Osprey: 12 Nov (3) Normandy L., CFC (HJP, Chloe Peebles), lrs. Bald Eagle: reports came in from CFC, DVC, FKC, HPC, LWC, PIC, SWC, and Wayne Co. Northern Harrier: 15 Aug (1 imm) GSP (CKC), new NA early fall date. Sharp-shinned Hawk: 13 Aug (1) CCNWR (JCR), ers; then 15+ reports through the end of the period. Cooper's Hawk: 30 Aug (1) Dover, SWC (CGD, m.ob.); then 18+ reports through the end of the period. Broad-winged Hawk: 28 Sep (160) Flagpole Fire Tower, WMC (BHS), largest number reported at 1 site in 1 day in region in many years. Red-tailed Hawk: 15 Nov (1 dark phase ad) CCNWR (JCR), at same territory that a similarly plumaged bird held previous winter. Peregrine Falcon: 5 reports 27 Sep - 16 Oct in DVC, RUC, WMC. Merlin: 6 Sep (1) CCNWR (EJW); 30 Sep (1) Bumpus Mills Recreation Area, SWC (AHH); 20 Oct (1) Bakersville, HPC (CKC); 8 Nov (1) CCNWR (JCR, CGD, MHI, ECC, CKC); only reports.

Grouse-Crane: Ruffed Grouse: 3 Nov (1) Manchester, CFC (Willa York, Grady York); 19 Nov (1) BAH (RWS); only reports. Wild Turkey: 4 reports from Hickman Co., MTC, PIC, and SWC. **YELLOW RAIL**: 27 Sep (1) 300 m E of Hwy. 100 on Trace Creek in SW DVC (Cliff Whitehead), 7th NA record (good documentation including mention of "white wing patches"). Sora: 4 Aug (1) West Harpeth Rd., WMC (JCR, SJS), ers & first WMC record; 16 Nov (2) PPL, RUC (MHI), lrs. Sandhill Crane: 16 Oct (heard calling) Byrdstown, PIC (RCH, Margaret Zimmerman), ers; 19 Oct (1) DRU (MHI); 2 Nov (4) LWC (DJS, Michael A. Beuerlein); 3 Nov (650+), 4 Nov (200+), 6 Nov (44), 9 Nov (260), 10 Nov (300+) PIC (*fide* RCH); 10 Nov (353) BAH (RWS); 14 Nov (50) CFC (FNM); 22 Nov (75) Dilton-Mankin Rd., RUC (*fide* Anne L. Hettish); 27 Nov (60) CFC (FNM, Erma L. Rogers); perhaps the best year ever for crane migration in the region.

Golden-Plover-Phalarope: Lesser Golden-Plover: 22 Jul (1) CCNWR (JCR), ers; 2 Nov (1) W. Harpeth Rd., WMC (JCR, SJS, BHS), first WMC record; 6 Nov (2) CCSP (JCR), lrs. Semipalmated Plover: 20 Jul (1) CCNWR (JCR), ers. Piping Plover: 16 Aug (1) GSP (CKC), only report. American Avocet: 19-21 Aug (1) GSP (DTC, JPC, m.ob.), only report. Greater Yellowlegs: 6 Jul (1) DRU (JCR), ers; 22 Nov (1) CCNWR (DJR, m.ob.). Lesser Yellowlegs: 6 Jul (1) DRU (JCR), ers; 19 Oct (4) LWP (DTC, JPC, TOS), lrs. Solitary Sandpiper: 6 Jul (3) DRU (JCR), ers; 28 Sep (1) W. Harpeth Rd., WMC (SJS), lrs. Willet: 30 Jun (1) St. Joe, LWC (DJS); 15 Aug (1) GSP (MHI, ELJ); 16 Aug (5) CCNWR (JCR); only reports. Spotted Sandpiper: 25

Oct (2) CCNWR (AHH, NRH) lrs. Upland Sandpiper: 10 Aug (1) Metro Airport, DVC (MHI, ELJ, CKC), only report. Ruddy Turnstone: 6 Sep (1) GSP (DTC, JPC), only report. Sanderling: 10 Aug (1) GSP (DTC, JPC), ers. Semipalmated Sandpiper: 13 Jul (2) CCNWR (JCR), ers. Western Sandpiper: 19 Jul (2) CCNWR (JCR), ers; 27 Jul (3) CCNWR (JCR); 10 Aug (1) GSP (MHI, ELJ); 28 Sep (1) GSP (DRJ, DTC, JPC), lrs; only reports. Least Sandpiper: 6 Jul (7) DRU (JCR), ers. Baird's Sandpiper: 13 Aug/28 Sep/4 Oct (1/1/5) GSP (DTC, JPC/DRJ, DTC, JPC/DTC, JPC), only reports. Pectoral Sandpiper: 13 Jul (1) CCNWR (JCR), ers; 26 Nov (1) CCSP (JCR), lrs & very late. Dunlin: 9 Nov (25) GSP (CAS), max. Stilt Sandpiper: 20 Jul (3) GSP (DTC, JPC, CKC, MHI), ers; 22/28 Jul (2/3) CCNWR (JCR); only reports. Buff-breasted Sandpiper: 2 Aug (1) CCNWR (MHI, ECC, CKC, JCR), ers & perhaps earliest ever in state; 9 Aug (4) Robertson Pond, LWC (DJS); only reports. Long-billed Dowitcher: 30 Jul (1) CCNWR (JCR), only report (excellent documentation). Common Snipe: 21 Aug (1) S of Franklin, WMC (SJS), ers. American Woodcock: 2 Nov (2) BAH (RWS), "incomplete flight display heard." Wilson's Phalarope: 1 Aug (1) S of Franklin, WMC (SJS); 19 Aug (1) GSP (DTC, JPC); only reports. NORTHERN PHALAROPE: 28 Sep (2) RDL (Aimon C. Niklasson, NTOS), 4th NA record (excellent documentation including sketch). RED PHALAROPE: 26 Oct (1) OHL, SUC, (CGD, MHI, CKC, m.ob.), 5th NA record (good documentation).

Gull-Tern: Herring Gull: 23 Aug (1) CCSP (JCR), ers; 12 Nov (1) FRR (SJS), first WMC record. Caspian Tern: 27 Aug (3/1) GSP/CCNWR (CKC/JCR), ers; 3 Aug (1) Granville, Jackson Co. (SJS, James D. Parrish). Common Tern: 13 Jul (2) CCNWR (JCR), ers (good documentation); 8 Aug (1 juv) PPL, RUC, (TJW, David M. McCarroll), only other report (good documentation). Forster's Tern: 18 Jul (4) Cumberland City, SWC (JCR), ers. LEAST TERN: 31 Jul (1 imm) CCNWR (JCR), only report (excellent documentation). Black Tern: 13 Jul (4) CCNWR (JCR), ers; 28 Sep (1) FRR (SJS), lrs.

Ground-Dove-Swallow: COMMON GROUND-DOVE: 4 Oct (1) S of Franklin, WMC (SJS), only 1 provisional record previously in the NA; about 8th state record. Short-eared Owl: 16 Nov (1) CCNWR (JCR), only report. Common Nighthawk: 28 Nov (1) Green Hills, DVC (PBH), lrs. Whip-poor-will: 30 Sep (2 singing) BAH (RWS), lrs. Ruby-throated Hummingbird: 27 Oct (1) Tullahoma, CFC (HJP). Yellow-bellied Sapsucker: 7 Oct (1) CLA (AHH), ers. Olive-sided Flycatcher: 22 Aug (1) Misery Swamp, MTC (AHH, EJW), only report. Yellow-bellied Flycatcher: 6 Oct (1 casualty) WSMV (KAG), only report. Acadian Flycatcher: 5 Oct (1 calling) LWC (DJS), lrs. Eastern Kingbird: 27 Sep (1) Pardue's Pond, DIC (MHI, ECC), lrs. Purple Martin: 27 Sep (1) Warner Parks, DVC (DFV), lrs. Tree Swallow: 26 Nov (1) CCNWR (JCR), lrs. Barn Swallow: 16 Nov (1) Percy Priest WMA, RUC (MHI), lrs & new NA late fall date.

Crow-Catbird: American Crow: 4/17 Nov (265+/160+) BAH (RWS), "flying over in the loose straggling groups . . . , heading S or SSW"; RWS suspects migratory movement was involved. Red-breasted Nuthatch: 4 Oct (1) Leiper's Fork, WMC (BHS), ers. Brown Creeper: 7 Oct (1) CLA (AHH), ers. House Wren: 2 Nov (1) MOP (BHS), lrs. Winter Wren: 7 Oct (1/2) CLA/BAH (AHH/RWS), ers. Sedge Wren: 2 Aug (6) DRU (JCR), ers. Marsh Wren: 11 Nov (1) Bear Creek WMA, SWC, (JCR), lrs. Golden-crowned Kinglet: 6 Oct (1) Edwin Warner Park, DVC (DFV), ers. Blue-gray

Gnatcatcher: 31 Oct (1) CFC (MDH), lrs. Veery: 31 Aug (1) Hopkins Lane, DVC (KAG), ers. Swainson's Thrush: 2 Sep (2) CLA (AHH), ers. Gray Catbird: 27 Oct (1) SUC (JPC), lrs.

Vireo-Chat: Warbling Vireo: 6 Oct (1 casualty) WSMV (KAG), lrs. Golden-winged Warbler: 24 Aug (1) FCMR (JCR), ers. Blue-winged X Golden-winged Warbler hybrids: 6 Sep (1) LWC (DJS); 9 Sep (1) CLA (AHH). Orange-crowned Warbler: 4 reports 18 Oct - 2 Nov. Chestnut-sided Warbler: 21 Aug (1) CLA (AHH), ers. Cape May Warbler: 19 Oct (1) Boxwell Reservation, Wilson Co. (DJS, ARH, RDH, m.ob.), only report. Black-throated Blue Warbler: 6 Oct (1 casualty) WSMV (PBH), only report. Prairie Warbler: 18 Oct (1) BAH (RWS), lrs. Worm-eating Warbler: 4 Oct (1) CLA (AHH), lrs. Kentucky Warbler: 4 Oct (1) Lewis Co. (George R. Mayfield, Jr.), lrs. Mourning Warbler: 7 Sep (1) LWC (DJS); 28 Sep (1) RDL (CKC); only reports. Canada Warbler: 10 Aug (1) RDL (CKC), ers. Yellow-breasted Chat: 3 Oct (1) Gallatin, SUC (DTC, JPC), lrs.

Grosbeak-Grosbeak: Blue Grosbeak: 28 Sep (1) Cheatham Dam, CHC (MHI, ECC), lrs. Bachman's Sparrow: 2 Aug (1) 5 km SE of Fall River, LWC, in Giles Co. (DJS), only report. Vesper Sparrow: 14 Oct (1) Del Rio Pk., WMC (SJS), ers. Lark Sparrow: 2 Aug (1) DRU (JCR), only report. Grasshopper Sparrow: 28 Sep (1) RDL (CKC), only report. LE CONTE'S SPARROW: 7-8 Nov (1) CCNWR (JCR, m.ob.), only report (excellent documentation). SHARP-TAILED SPARROW: 8 Nov (1) CCNWR (JCR, MHI, ECC, CKC, CGD, Robert English), only report (excellent documentation). Lincoln's Sparrow: 6 Oct (1 casualty) WSMV (DFV), ers. Lapland Longspur: 22 Nov (1) CCNWR (JCR, SJS, m.ob.), only report. Bobolink: 24 Aug (1) MC (DFV), ers; 27 Sep (5) MC (CGD): only reports. Brewer's Blackbird: 30 Nov (1) LWC (DJS), only report. Northern Oriole: 23 Oct (1) CFC (MDH), lrs. Purple Finch: 24 Oct (7) BAH (RWS), ers. Pine Siskin: 21 Oct (1) BAH (RWS), ers. Evening Grosbeak: present but not carefully reported.

Locations: BAH - Barnes Hollow, Putnam Co.; CCNWR - Cross Creeks National Wildlife Refuge, Stewart Co.; CCSP - Cumberland City Steam Plant, Stewart Co.; CFC - Coffee Co.; CHC - Cheatham Co.; CLA - Clarksville; DRU - Duck River Unit, Tennessee National Wildlife Refuge, Humphreys Co.; DVC - Davidson County; FCMR - Fort Campbell Military Reservation, Stewart and Montgomery Cos.; FKC - Franklin Co.; FRR - Franklin Reservoir, Williamson Co.; GSP - Gallatin Steam Plant, Sumner Co.; HPC - Humphreys Co.; LWC - Lawrence Co.; LWP - Lewis Pond, Sumner Co.; MC - Metro Center, Davidson Co.; MOP - Monsanto Ponds, Maury Co.; MTC - Montgomery Co.; NA - Nashville Area (includes all of Cheatham, Davidson, Robertson, Rutherford, Sumner, Williamson, and Wilson Cos., as well as parts of Dickson and Trousdale Cos.); OHL - Old Hickory Lake (in Smith, Trousdale, Wilson, Sumner, and Davidson Cos.); PIC - Pickett Co.; PPL - Percy Priest Lake (in Davidson, Rutherford, and Wilson Cos.); RDL - Radnor Lake State Natural Area, Davidson County; RUC - Rutherford Co.; SUC - Sumner Co.; SWC - Stewart Co.; WMC - Williamson Co.; WSMV - WSMV tower, Davidson Co.

Addendum: Stilt Sandpiper: 2 Nov 1981 (2) GSP (DTC, JPC), new NA late fall date.

Corrigendum: *Migrant* 57:28, 1986: in the entry for Marsh Wren delete "LWC" from the counties listed.

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EASTERN RIDGE AND VALLEY REGION - The weather this autumn consisted of mild temperatures, normal to above normal rainfall (finally), and few cold fronts with their associated waves of migrants. The Johnson City and Knoxville areas experienced above normal temperatures until mid-November, when a strong cold front passed through and was followed by very cold temperatures. This cold snap included the first killing frosts, which were much later than expected. Rainfall was near normal for all four months in the Johnson City and Knoxville areas, but still left a yearly deficit of several inches. In Chattanooga, August rainfall was 0.6 inches below normal; however, September was 1.6 inches above normal, October +3.7 inches, and November +3.4 inches. Productive fronts passed through the region on 29 August, 6 and 14 October, and 11 November.

Drought conditions during the spring and summer caused lake and pond levels to be quite low, leaving some good shorebird areas high and dry. But even so, "shorebird numbers at areas with managed water levels, such as Kingston Steam Plant and Eagle Bend Fish Hatchery, were fairly low this year." A peak of 930+ shorebirds occurred on 16 August at Douglas Lake. The lack of frontal systems resulted in a rather lackluster passerine migration. Most received little comment. Only a few winter finches had arrived by the end of the period. Peak numbers, in some instances record numbers, of water birds appeared just after the front of 11 November, as snow and cold hit the Midwest and Ohio Valley. This wave included upper east Tennessee's first Black Scoter.

The region's two banding stations reported below average capture rates. Chuck Nicholson operated the Norris station from 10 August to 17 October - not as late as in past years. He banded 511 birds of 52 species in 566 net hours, for a rate of 0.903 birds per net hour. This rate is similar to that of the last two years, but below his long-term average of 1.28 birds per net hour. Rick Knight operated the Austin Springs station from 4 September to 31 October, for the seventh consecutive fall. He banded 618 birds of 47 species in 540 net hours. This rate of 1.14 birds per net hour is below his average of 1.35. The peak capture dates there were 6-7 and 15-16 October.

Loon-Ibis: Red-throated Loon: A grounded, but apparently uninjured, bird was picked up from a Scott Co., Virginia road by a state trooper in mid-to-late Nov, kept on a small pond for a few days, then released on the Holston River at KPT in late Nov (E.E. Scott). Common Loon: 31 Oct (1) BOL (SG), ers; good movement through upper half of region - 11 Nov (152) BOL (RLK), more than double the previous high count there; 16 Nov (70) Tellico Lake, Monroe Co. (RC, CPN); 20 Nov (55) Fort Loudoun Lake, KNC (RC); no reports from CHA area. Pied-billed Grebe: 11 Aug (1) AUS (RLK), ers; 8 Nov (150) HRA (CTOS), max. Horned Grebe: 11 Nov (4) BOL (RLK), first there; not mentioned elsewhere. Double-crested Cormorant: many reports - 10 Sep (1/6) NRL/CHA (CPN/Dan N. Williams, Jr.); 15 Sep (1), 3-31 Oct (1-3) AUS (RLK); 17 Sep (1) CHL (CPN); 28 Sep (1) KNC (James T. Tanner); 25 Oct (1) HRA (PCH, AMJ, SLW *et al.*); 11 Nov (75) NRL (JCH), very high number for region. American Bittern: 19 Oct (1) Ooltewah, Hamilton Co. (JSL); 24-26 Oct (1) Luttrell, Union Co. (Lucille Kelly, RS, SS); only reports. Great Blue Heron: 19 Oct (306) DOL (JAK), max. Great Egret: 1-31 Aug (1-2) SAB (KHD, LHD); 1 Aug - 13 Oct (2-19) HRA (m.ob.); 3 Aug - 1 Nov (max 14 on 6 Sep) DOL (JAK); 6 Aug (1) AUS (RLK); 9-23 Aug (3) KSP (KTOS); 16-30 Aug (2-10) CRL (RLK); 29 Aug (1) EBF (CPN); 7 Oct

(23) AUS (RLK), very high number there; 26 Oct (1) BOL (RLK). Snowy Egret: 16 Aug (1) HRA (AMJ); 6 Oct (1) AUS (RLK), latest in JNC area by 4 days. Little Blue Heron: 20 Jul - 1 Sep (4-17) HRA (m.ob.); through 6 Aug (1-4) EBF (LJF, CPN); 3 Aug, 6 Sep (3/1) DOL (JAK). Cattle Egret: 10, 15 Aug, 14 Sep (1-2) HRA (KHD, LHD, DCC, RAR); 13 Sep (1) AUS (RLK), latest in JNC area by 5 days. Green-backed Heron: 31 Oct (1) BOL (SG), lrs. Black-crowned Night-Heron: 20 Jul - 6 Sep (1-35) KSP (KHD *et al.*), high numbers there; 16 Aug (1) HRA (AMJ); 21 Aug - 11 Oct (1-4) AUS (RLK); 20 Sep (20) DOL (JAK); 10 Oct (36) CRL (RLK), max there, but lower than previous years; 14 Oct - 6 Nov (3) KPT (RAP). Yellow-crowned Night-Heron: 25 Oct (1) HRA (PCH, AMJ, SLW *et al.*), only report. White Ibis: bird mentioned last report at EBF last seen 1 Aug (LJF); 2 Aug (1 imm) CHA (Gilda Lyon).

Waterfowl: Tundra Swan: 12 Nov (3) BOL (RAP, BH). Snow Goose: 8 Nov (1 white, 1 blue) HRA (CTOS); 30 Nov (2 blue) SAB (KHD). Canada Goose: 26 Sep (75) AUS (LHTOS), max there; 30 Oct (761) CHL, HRA, (886) WBL (TWRA), max. Green-winged Teal: 7 Sep (1) AUS (RLK), ers; 11 Oct, 29 Nov (150) DOL (JAK), max there; 13 Nov (21) BOL (RLK), good number there; 22 Nov (300) HRA (KHD, LHD), max there. American Black Duck: 21 Nov (571) CHL, HRA (TWRA), max. Northern Pintail: 5 Nov (2) BOL (RLK); 8-30 Nov (5-30) HRA (m.ob.). Blue-winged Teal: 10 Aug - 16 Sep (4-40) KSP (m.ob.); 7 Sep - 9 Oct (max 52 on 28 Sep) AUS (LHTOS). Northern Shoveler: 29 Sep (4) AUS (RLK), ers. Gadwall: 21 Nov (752) CHL, HRA (TWRA), max. American Wigeon: 21 Nov (598) CHL, HRA (TWRA), max. Canvasback: 11 Nov (1) JNC (RAP, BH); 15 Nov (10) NIL (SJS, CAS); 21 Nov (1) BOL (MD, SG); 22-29 Nov (1-3) HRA (KHD, LHD). Redhead: 11 Nov (12) BOL (RLK). Ring-necked Duck: 22 Nov (1200) HRA (KHD, LHD), thought to be the most ever reported there. Greater Scaup: 15 Nov (1) NIL (SJS, CAS), only report. Lesser Scaup: 27 Jul - 17 Aug (1) KSP (KHD, LHD); 13 Nov (50) BOL (RLK), max there. BLACK SCOTER: 11 Nov (1 female) BOL (RLK), twelfth state record, first east of KNC. White-winged Scoter: 14 Nov (4) BOL (SG, GWS). Common Goldeneye: 21 Nov (38) CHL, HRA, (91) WBL (TWRA), max. Bufflehead: 21 Nov (52) CHL, HRA, (31) WBL (TWRA), max. Hooded Merganser: 22 Nov (250) HRA (KHD, LHD), max. Common Merganser: 28 Nov (2) BOL (MD), only report. Red-breasted Merganser: 14 Nov (3) BOL (SG, GWS). Ruddy Duck: 8-29 Nov (3-17) HRA (CTOS); 11 Nov (5) BOL (RLK).

Osprey—Crane: Osprey: 21 Aug - 17 Oct (1-2) AUS (LHTOS); 8-25 Oct (1-2) CRL (RLK); apparently normal numbers elsewhere. Bald Eagle: 28 Aug (1 ad) NIL (TJW); 6 Oct (1 imm) AUS (RLK); 10 Oct (1 ad) CRL (RLK); up to 2 present on NRL from mid-Oct on (JCH *et al.*); 13 Nov (1 imm) BOL (RLK). Northern Harrier: 30 Aug (1/1) AMM/HRA (PDR/LHD *et al.*), ers; 1 Sep (1) SAB (LHD); 18 Sep (1) AUS (RLK), only JNC area sighting. Sharp-shinned Hawk: 9 sightings in JNC area, about normal (LHTOS). Cooper's Hawk: 7 sightings in JNC area, about normal (LHTOS). Peregrine Falcon: the number of sightings continues to increase - 6 Sep (1) KSP (KHD, LHD *et al.*); 14 Sep (1) Mt. Roosevelt, Roane Co. (RC); 17 Sep - "first part of Nov" (1 reported 7 times) downtown CHA (William G. Raoul, PDR); 30 Sep (1) JNC (RLK); 2-3 Nov (1) NIL (AMJ, RJH, PCH). Sora: 28 Sep (1) KNC (RS, SS), only report. Common Moorhen: 13 Aug (1) CHL (AMJ); 16 Oct (1) KNC (Morton Massey *et al.*). Sandhill Crane: 30+ reports of 3000+ birds in Hamilton, Meigs, McMinn, Bradley, Rhea and Polk Cos. (m.ob.).

Plover—Phalarope: Black-bellied Plover: 16 Aug (1) DOL (JAK); 1 Sep

(1) KSP (KHD, LHD); 8 Sep (1) AUS (RLK), only third JNC area record. Lesser Golden-Plover: 1 Sep (10) KSP (KHD, LHD). Semipalmated Plover: 16 Aug (52) DOL (JAK), max. Piping Plover: 25 Aug (1) EBF (LJF). American Avocet: 11-12 Aug (1) KSP (n..ob.); 16 Aug (1) HRA (JSL, CDB); 1 Nov (2) DOL (JAK). Greater Yellowlegs: 10, 16 Aug, 6 Sep, 1 Nov (1-10) DOL (JAK); 2-8 Sep, 10-22 Oct (1-8) AUS (LHTOS); 13 Nov (1) KNC (RC), lrs. Lesser Yellowlegs: 20 Jul - 23 Aug (2-15) KSP (m.ob.); 3-16 Aug (10-36) DOL (JAK); 8 Sep (4) AUS (RLK). Solitary Sandpiper: good flight through JNC area 28 Jul - 2 Sep (LHTOS). Willet: 24 Aug, 6 Sep (1) KSP (m.ob.). Upland Sandpiper: 14 Sep (1) HRA (RAR, LHD). Ruddy Turnstone: 9-20 Aug (1) KSP (m.ob.); 10 Aug (1) EBF (James M. & Betty Reid Campbell). Red Knot: 16 Aug (1) DOL (JAK). Sanderling: 10, 16 Aug, 8 Oct (1-2) KSP (m.ob.); 25 Oct (1) HRA (CTOS); only reports. Semipalmated Sandpiper: 20 Jul - 16 Sep (8-50) KSP (m.ob.); 3 Aug - 6 Sep (max 320 on 16 Aug) DOL (JAK). Western Sandpiper: 13 Aug (6) HRA (AMJ); 16 Aug (2) DOL (JAK); 17 Aug - 16 Sep (2-5) KSP (m.ob.). Least Sandpiper: 20 Jul - 16 Sep (1-40) KSP (m.ob.); 29 Jul - 29 Aug (1-7) JNB (RLK); 16 Aug (23) DOL (JAK); 14 Sep, 6 Oct (1) AUS (RLK); 9 Nov (3) SAB (KHD, LHD). White-rumped Sandpiper: 15-16 Sep (1-2) KSP (AMJ, RJH). Baird's Sandpiper: 10 Aug, 6, 16 Sep (1-2) KSP (KHD, LHD, RJH *et al.*). Pectoral Sandpiper: 20 Jul - 17 Oct (1-15) KSP (m.ob.); 29 Jul - 19 Aug (5-9) JNB (RLK); 3 Aug - 6 Sep (max 490 on 16 Aug) DOL (JAK). Dunlin: 2 early reports - 2 Sep (3) SAB (LHD); 6 Sep (1) DOL (JAK); then - 8, 17 Oct (1/8) KSP (RS, SS, RLK); 25 Oct (10) HRA, (42) SAB (KHD, LHD), max there; 1 Nov (110) DOL (JAK), max there; 21 Nov (8) BOL (SG, GWS). Stilt Sandpiper: 7 Aug (1) JNB (RLK); 10 Aug - 16 Sep (1-4) KSP (m.ob.). Dowitcher sp.: 16 Aug (16) DOL (JAK); 17 Aug (1) KSP (KHD, LHD *et al.*); 6 Sep (3) DOL (JAK); the first 2 records reported as Short-billed. Common Snipe: 2 Sep (11) SAB (LHD); 7 Sep (1) AUS (RLK); both early. American Woodcock: 10 Sep (1) AUS (RLK), ers. Wilson's Phalarope: 6 Sep (1) KSP (KHD, LHD *et al.*). Red-necked Phalarope: 6 Sep (1) DOL (JAK).

Gull-Sapsucker: Ring-billed Gull: 23 Aug (1) KSP (CDB, LHD, JTP *et al.*), very early. Herring Gull: 15 Sep (1) AUS (RLK), earliest in JNC area by 9 days. Caspian Tern: 9 Aug - 1 Sep (1-2) KSP (m.ob.); 16 Sep (5) CHL (CPN). Common Tern: 9-24 Aug (1-2) KSP (m.ob.). Forster's Tern: 2 Sep (17) SAB (LHD); 24 Sep (1) AUS (RLK); 4 Oct (1) CHL (KHD); 11 Oct (1) KNC (ABS *et al.*); 26 Oct (2) BOL (RLK). *Sterna* sp.: 6 Aug (2) NRL (CPN); 28 Aug (2) AUS (RLK); 1 Sep (25) WBL, Meigs Co. (CPN). Black Tern: 5 Aug, 19 Sep (1) SAB (KHD, LHD); 9 Aug (7) NRL (CPN); 1 Sep (2) KSP (KHD, LHD); 17 Sep (1) CHL (CPN). Yellow-billed Cuckoo: regular through 10 Oct in JNC area (LHTOS); 1 Nov (2) KNC (ABS), very late. Common Barn-Owl: 15 Sep, 3 Nov (1-2) AMM (James D. Rowell, Jr.), only report. Common Nighthawk: good flight over JNC, last on 14 Oct (RLK). Ruby-throated Hummingbird: 1 Nov (1) KNC (ABS, Mark Reeves), very late. Red-headed Woodpecker: 24 Aug (1) JNB (RLK, GDE); 11 Oct (1) Campbell Co. (George W. McKinney); 6, 22 Nov (5/1) NRL (JCH); only reports. Yellow-bellied Sapsucker: 10 Oct (1) JNC (GWS), ers.

Flycatcher-Vireo: Acadian Flycatcher: 25 Sep (1 b) AUS (RLK). "Traill's" Flycatcher: 9-28 Sep (7 b) AUS (RLK). Least Flycatcher: 13-18 Sep (4 b) AUS (RLK). WESTERN KINGBIRD: 5 Sep (1) HRA (DCC, C. Richard Hughes), thought to be the first CHA area record. Scissor-tailed Flycatcher: 13 Aug - 14 Sep (1) HRA, Meigs Co. (m.ob.), fourth consecutive year at this site. (Has anyone looked for a nest?-Ed.). Purple Martin: 8 Sep

(2) AUS (RLK), lrs. Tree Swallow: 6 Aug - 17 Oct (1-8) AUS (LHTOS); 11, 15 Oct (40/50) SAB (KHD, LHD). Northern Rough-winged Swallow: 20 Sep (1) AUS (RLK), lrs. Bank Swallow: 26 Aug - 9 Sep (2-4) AUS (RLK). Barn Swallow: 11 Oct (1) SAB (KHD), lrs. Red-breasted Nuthatch: 28 Sep (1) KNC (KTOS), ers; several more scattered reports in KNX area to EOP; 25 Nov (1) BOL (RLK), first in JNC area; none in CHA area. Brown Creeper: 29 Aug (1) KNX (Barry Fleming), very early. House Wren: 5 banded, average 1, at AUS (RLK); 26 Nov (1) Raccoon Mountain Pumped Storage Reservoir, Marion Co. (RJH), lrs. Winter Wren: 6 Oct (1) AUS (RLK), ers. Sedge Wren: 14-15 Sep, 9 Oct (1) AUS (RLK); 30 Oct (1) AMM (JTP); 6 Nov (1) MVM (RAP); 12 Nov (1) CHA (JTP). Marsh Wren: 7, 11 Oct (1/1 b) AUS (RLK); 11 Oct (1) KNC (ABS *et al.*); 21 Oct (1) AMM (JTP); 31 Oct, 1 Nov, (1) MVM (RAP). Blue-gray Gnatcatcher: 8 Oct (1) Hamblen Co. (RLK), lrs. Gray Catbird: 24 banded, average 7, at AUS (RLK). Water Pipit: 10 Oct (1) CRL (RLK), ers. Cedar Waxwing: very numerous all period in JNC area, with many flocks of up to 50 birds (LHTOS); 5 Nov (200+) BOL (RLK), max; 7 Nov ("flocks") Cumberland Mountain State Park (PBH, CPN); no mention from other areas. Loggerhead Shrike: 3 sightings in JNC area (RLK, GDE); no mention from other areas. Solitary Vireo: 14 Nov (2) KNX (JCH), lrs.

Warblers: Orange-crowned Warbler: 20 Oct (1) KNX (JCH); 24 Oct (1) BOL (MD, SG). Yellow Warbler: 9-25 Sep (4 b) AUS (RLK). Magnolia Warbler: 25 Aug (1) KNX (JCH), ers. Cape May and Blackburnian Warblers: 26 Oct (1 each) KNX (JCH, Marcia L. Davis, Jim & Betty Mason), lrs. Palm Warbler: 10 Sep - 29 Oct (38 b) AUS (RLK). Bay-breasted Warbler: much lower than average numbers banded at NOR (CPN). BLACKPOLL WARBLER: 9 Oct (2 b, with 1 recaptured on 15 & 22 Oct) AUS (RLK). Prothonotary Warbler: 29 Aug (1) AUS (SG, GWS), only report. Northern Waterthrush: 16 Oct (1) JNC (GOW, FJA), lrs. Kentucky Warbler: 7 Oct (1) AUS (RLK), only report. Mourning Warbler: 9, 14 Sep (2 b) AUS (RLK); 18 Sep (1 b) NOR (CPN); 28 Sep (1) KNX (ARH, RDH). Common Yellowthroat: 1 Nov (1) MVM (RAP), lrs. Wilson's Warbler: present in higher than average numbers - 9-28 Sep (5 b, average 1) AUS (RLK); 7 banded, average 2, at NOR (CPN); plus several sight records at AUS, KNX, NOR. Canada Warbler: 20 Aug (1) KNX (JCH), misses early record there by 1 day.

Grosbeak-Grosbeak: Rose-breasted Grosbeak: 16 Aug (1 b, imm male with light body molt) NOR (CPN), "probably wandered from nesting area in nearby Cumberland Mtns." Indigo Bunting: mixed view - above average numbers at NOR (46 b, average 15) (CPN); slightly below average numbers at AUS (7 b, average 10) (RLK). Vesper Sparrow: 15-31 Oct (1-5, with 2 b) AUS (RLK); 30 Oct (6) MVM (RAP); 5 Nov (5) Tri-cities Airport, Sullivan Co. (RLK); 12 Nov (1) CHA (JTP). Savannah Sparrow: 9 Sep (1) AUS (RLK), ers; 20 banded, average 13 AUS (RLK). Fox Sparrow: 19 Nov (2) Nolichucky River, Washington Co. (RLK), ers. Lincoln's Sparrow: 3, 20 Oct (2 b, average 10) AUS (RLK); 11 Oct (2 b) NOR (CPN); only reports. Swamp Sparrow: 6-3 banded, first on 6 Oct AUS (RLK). White-crowned Sparrow: 7 banded, first on 15 Oct AUS (RLK). Bobolink: 4 Sep - 1 Oct (1-7) AUS (RLK); 20 Aug, 18 Sep (12, 100+) MVM (RAP). Northern Oriole: 27 Sep (1) BOL (MD, Joy Kyle), lrs. Purple Finch: 30 Oct (18) CHA (AMJ), ers; rather low numbers throughout region to EOP. Pine Siskin: 23 Oct (4) NOR (CPN), ers; a few more scattered reports in northern half of region to EOP; none in CHA area. Evening Grosbeak: 16 Sep (2 females photographed)

CHA (Charles L. Phillips), very early; 6 Nov (6) SAB (KHD, LHD); 25 Nov (18) BOL, (6) JNC (RLK); only reports.

Corrigendum: Migrant 56:81, 1985 - in entry for Bachman's Sparrow, Berry Island (in CRL) is in Hawkins Co., not Grainger Co.

Addenda: Black-crowned Night-Heron: 5 Sep 1983 (200+) CRL (RLK). Lesser Golden-Plover: 2 Nov 1984 (1) KSP (RLK, Richard Hegler). Buff-breasted Sandpiper: 4 Sep 1982 (2) KSP (LHTOS); 3 Sep 1983 (9) KSP (LHTOS). COMMON REDPOLL: 5 Jan 1986 (2) Bowmantown, Washington Co. (Edward H. Schell).

Locations: AMM — Amnicola Marsh, Hamilton Co.; AUS - Austin Springs, Washington Co.; BOL - Boone Lake, Sullivan & Washington Cos.; CHA - Chattanooga; CHL - Chickamauga Lake, primarily in Hamilton Co.; CRL - Cherokee Lake, Grainger, Hamblen, Hawkins, & Jefferson Cos.; DOL - Douglas Lake, primarily in Jefferson Co., but also in Cocke & Sevier Cos.; EBF - Eagle Bend Fish Hatchery, Anderson Co.; HRA - Hiwassee River Area, primarily in Meigs Co., but also Bradley, McMinn & Rhea Cos.; JNB - Jonesborough, Washington Co.; JNC - Johnson City; KNC - Knox Co.; KNX - Knoxville; KPT - Kingsport; KSP - Kingston Steam Plant, Roane Co.; NIL - Nickajack Lake, Marion Co.; NOR - Norris, Anderson Co.; NRL - Norris Lake, Union Co.; MVM - Meadowview Marsh, Sullivan Co.; SAB - Savannah Bay, Hamilton Co.; WBL - Watts Bar Lake, Meigs, Rhea & Roane Cos.

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EASTERN MOUNTAIN REGION - In the northern part of the region, temperatures for the entire period were above normal, and October and November were exceptionally warm and mild. One very light frost occurred on 21 October and the first killing frost occurred on 14 November, almost a month later than normal. Rainfall was at or slightly above average.

The region's first Swallow-tailed Kite was found in Polk County in late August, and this report may have renewed attention to this seldom-birded county. A heavy movement of waterbirds into the area followed the first cold weather on 12-14 November. Unprecedented numbers of loons and cormorants were reported in the northeast corner of the region, and several hundred ducks moved into the newly-created Chota Waterfowl Refuge on Tellico Lake near the southern end of the region. Northern finches started appearing on 26 October in what may be the start of a major influx into the area.

Loon-Duck: **COMMON LOON:** 12 Nov (400+) RNC (RLK) - high count for region, and one of the highest for the state; 15 Nov (47) RNC (GOW). **DOUBLE-CRESTED CORMORANT:** 2 Nov (1) TEL (ABS, RC); 12 Nov (170+) RNC (RLK); 13 Sep, 19 Oct, 13 Nov (1/4/3) Pittman Center, Sevier Co. (JAK); 15 Nov (2) RNC (GOW); 16 Nov (1) TEL (CPN, RC). American Bittern: 2, 16 Nov (1) CWR (ABS, RC, CPN), late. Green-backed Heron: 27 Sep (2) ELI (GDE, HHF), lrs. Yellow-crowned Night-Heron: regular to 25 Aug at ELI (*vide* GDE); 28 Sep (1) ELI (RLK). Canada Goose: 3-8 regular throughout period on Watauga River (GDE *et al.*). Northern Pintail: 27-30 Nov (1) Razor Farm, ELI (CFW). Blue-winged Teal: present in ELI area 9 Sep - 5 Oct (LHTOS). Redhead: 22 Nov (1) WGI (CFW), only report. Lesser

Scaup: 30 Oct (2) WIL (FJA), ers. Bufflehead: 30 Oct (3) WIL (FJA), ers. late. Hooded Merganser: 13 Nov (6) RIL (LHTOS), ers. Common Merganser: 22 Nov (1) WGI (CFW). Ruddy Duck: 12 Nov (17) RNC (RLK).

Kite-Tern: SWALLOW-TAILED KITE: 19-28 Aug (1) Reliance, Polk Co. (J. Craig Watson, m.ob.), first area record. Osprey: 29 Aug - 12 Oct in ELI area (LHTOS); 16 Nov (1) CWR (RC, CPN), late. Bald Eagle: 16 Nov (1 ad) CWR (RC, CPN). Sharp-shinned Hawk: 5 reports in ELI area, low (LHTOS). Cooper's Hawk: 7 reports in ELI area, about average (LHTOS). Broad-winged Hawk: 27 Sep (1) ELI (LHTOS), last ELI area report. GOLDEN EAGLE: 23 Aug (1 imm) Indian Gap, GSMNP (PDH, Burt Jones); 17 Oct (1 imm) RNM (RAP). Merlin: 27 Sep (1) Holston Mountain (GOW, Howard Langridge). Peregrine Falcon: 22 Sep (1) RNM (John Martin). Virginia Rail: 2, 16 Nov (2) CWR (RC, CPN, ABS). Sora: 2 Nov (6) CWR (RC, ABS). Semipalmated Plover: 5 Sep (1) St. John's Pond, Washington Co. (FJA), only report. Greater Yellowlegs: 30 Sep (3) ELI (GOW), only report. WILLET: 8 Nov (1) RNC (RLK). Black Tern: 15 Aug (19) WTL (GDE), high number for area.

Cuckoo - Vireo: Black-billed Cuckoo: 4 Aug (1) ELI (GOW), only report. Yellow-billed Cuckoo: 27 Sep (1) RNM (FJA, CS), lrs. Great Horned Owl: 1-2 during SEP at ELI (HHF). Barred Owl: 2 Aug (1 seen) RNM (GOW); 27 Sep (3 heard) RNM (FJA, CS). Ruby-throated Hummingbird: 18 Oct (1) ELI (GDE), late. Yellow-bellied Sapsucker: 14 Oct (1) ELI (Lois Herndon), ers. Eastern Kingbird: 5 Sep (3) RNM (GDE, CFW, GWS), lrs. Purple Martin: very successful results in one ELI colony, 95% of 130 nests fledged 5-4 y each (*vide* GDE). Tree Swallow: 27 Sep (3) RNM (FJA, CS), lrs. Brown Creeper: 22 Nov (1) ERW (GWS), ers. Marsh Wren: 2 Nov (3), 16 Nov (2) CWR (RC, ABS, CPN). Swainson's Thrush: in ELI area 5 Sep - 12 Oct, average fall migration (LHTOS). Cedar Waxwing: abundant throughout period in ELI area (LHTOS). Loggerhead Shrike: 30 Nov (1) WIL (GDE), only report. Philadelphia Vireo: 14, 27 Sep (1) RNM (FJA, CS).

Warbler - Grosbeak: Blue-winged Warbler: 5 Sep (2) RNM (LHTOS). Golden-winged Warbler: 14 Sep (1) RNM (FJA, CS), lrs. Tennessee Warbler: 16 Oct (2) ELI (HHF), lrs. Magnolia Warbler: 10 Oct (1) RNM (CFW), lrs. Yellow-rumped Warbler: 10 Oct (1) ELI (GDE), ers. Blackburnian Warbler: 3 Oct (1) WIL (GWS, MD), lrs. Worm-eating Warbler: 27 Sep (1) ERW (GWS, SG), lrs. Wilson's Warbler: 27 Sep (1) WTL (GOW, Howard Langridge), lrs. Northern Oriole: 6 Sep (1) RNM (GDE, GOW), lrs. Purple Finch: 7 Oct (1) ELI (Lynn Miller), ers. House Finch: heavy influx into ELI area on 1 Nov (*vide* GDE). Red Crossbill: 23 Aug (small flock) Newfound Gap, GSMNP (PDH, Burt Jones); 24 Oct (8) Unaka Mtn. (RAP). Pine Siskin: 26 Oct (75+) RIL (GDE, HHF), ers. Evening Grosbeak: 28 Nov (17) ELI (GDE), ers.

Locations: CWR - Chota Waterfowl Refuge, Tellico Lake, Monroe Co.; GSMNP - Great Smoky Mountains Nat. Park; ELI - Elizabethton; ERW - Erwin, Unicoi Co.; RIL - Ripshin Lake, Carter Co.; RNC - Roans Creek, Johnson Co.; RNM - Roan Mountain; WGI - Wagner's Island, Carter Co.; WIL - Wilbur Lake, Carter Co.; WTL - Watauga Lake.

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CONTENTS

THE 1986 CHRISTMAS BIRD COUNT. <i>Damien J. Simbeck</i>	1
IN MEMORIAM: WENDELL LAWRENCE WHITTEMORE. <i>Ben B. Coffey, Jr.</i>	11
MINUTES OF THE 1986 FALL MEETING AND SYMPOSIUM. <i>Carolyn Bullock, Secretary</i>	12
MINUTES OF DECEMBER 1986 BOARD OF DIRECTORS SPECIAL CALLED MEETING. <i>Tom Gruschke</i>	17
THE SEASON. Fall Migration: 1 August—30 November 1986	18
Western Coastal Plain Region. <i>Martha G. Waldron</i>	19
Highland Rim and Basin Region. <i>Stephen J. Stedman</i>	21
Eastern Ridge and Valley Region. <i>Richard L. Knight</i>	26
Eastern Mountain Region. <i>Glen D. Eller</i>	30
Observers.	32
Common Goldeneye by <i>David Vogt</i>	10
ANNOUNCEMENT	11