

The 1979 Wisconsin Christmas Bird Counts

By William L. Hilsenhoff

Warm temperatures during the weeks preceding the Christmas Counts continued throughout the count period and induced many migratory species to linger. This should have resulted in excellent Christmas Counts, yet most compilers expressed disappointment with results of their counts. Fog or strong winds on the day of counts, a lack of snow to drive birds to feeders or roadsides, and a poor flight of winter finches were probably the main reasons for the disappointing counts. There also appeared to be a conspicuous reduction in permanent residents for which Wisconsin is the northern edge of their range. Mockingbirds and Carolina Wrens were absent; there were only 2 Bobwhites, the lowest total in at least 30 years; Tufted Titmice were seen in their lowest numbers in at least 15 years; and Northern Cardinals were found in their lowest numbers in 12 years. Could this be a result of the previous two severe winters?

Results of the 41st Wisconsin Christmas Counts are reported in Tables 1 and 2. Statewide totals for most species were near or below normal, but there were many exceptions. An impressive 131 species were found statewide, second only to the 141 seen in 1974. There were 76 counts this year (Fig. 1, Tables 3 and 4) with new counts at Cloverland, Joel, Willard, Caroline, Grand Marsh, and Cadiz Springs. Only seven counts reported 50 or more species, led by a total of 80 at Madison, 75 at Milwaukee, and 65 at Appleton. Lake Geneva (58), Hudson (53), Kenosha (52), and Waukesha (51) were the other counts recording more than 50 species. Only six counts, however, reported less than 20 species. A count at Petenwell on which several Wild Turkeys were seen was not included because it covered less than a 7-hour period.

There were many exceptional records on the Christmas Counts, the most exciting being a Sage Thrasher at Madison. This is the first state record for this species of the southwestern United States. It was subsequently seen by several observers and photographed. A White-eyed Vireo, also in Madison, was the first



Sage Thrasher photo by Stephen Lang

Christmas Count record and first record for this species after October. A Black-headed Grosbeak at Rhinelander is also the first Christmas Count record and only the fourth record for Wisconsin. Other highlights included Wild Turkeys at Beetown (2nd Christmas Count record), American Woodcocks at Stevens Point and Kenosha (3rd record), a Northern Oriole at Madison (3rd record), a Common Yellowthroat at Blanchardville (5th record), and Yellow-headed Blackbirds at Appleton, Horicon and Lake Geneva (5th record). Comments follow on other unusual sightings and species with significant departures from their normal abundance.

Comments on Selected Species

Common Loon - 12th year, with birds seen at Brule and Milwaukee

Horned Grebe - 14th year, with birds observed at Ephraim and Lake Geneva.

Great Blue Heron - The 13 birds on 9 counts is a new record.

Black-crowned Night Heron - The two birds at Appleton mark the 12th year this species has been seen.

Mute Swan - Although never seen before 1970, they are becoming a normal occurrence due to a breeding population near Ashland.

Whistling Swan - Only the 13th year they have been seen, with 32 on 6 counts.

Canada Goose - A record 40,199 was probably the result of an unusual amount of open water.

Mallard - A record total of 27,326

American Black Duck - Christmas Count totals continue their steady decline.

Northern Shoveler - A record total of 105, all at Madison.

Other Ducks - All other species of ducks occurred in near normal numbers, which was surprising when one considers all the open water that was present.

Common Merganser - The 4,374 is a new record.

Red-tailed Hawk - Lowest total in 12 years.

Red-shouldered Hawk - Also the lowest total in 12 years.

Golden Eagle - The bird at Medford marked the 14th year in which this species has been found.

Bald Eagle - Lowest total in 7 years, perhaps due to their wider dispersal because of the excessive amount of open water.

Merlin - Never before found on 3 counts.

American Kestrel - Lowest number in 6 years.

Ruffed Grouse - Record number. Does this represent a population explosion, or was the lack of snow conducive to finding this species?

Ring-necked Pheasant - Lowest number since 1967, probably because of lack of snow made them hard to see.

Gray Partridge - Lowest total in 7 years, also probably because a lack of snow made them hard to see.

Mourning Dove - Lowest total in 12 years.

Common Flicker - Highest total in 10 years.

Pileated Woodpecker - Although still not found in the southeastern counties, the record number (133 vs previous high of 107) suggests an increasing population, especially in light of normal numbers of other resident woodpeckers.

Horned Lark - Lowest number in at least 15 years, probably because there was no snow to drive them to roadsides.

Common Raven - Record number, all in the northern counties.

Red-breasted Nuthatch - Lowest number in 6 years.

Brown Creeper - Record number, more than 50% higher than ever before.

Gray Catbird - One in Madison is the 10th Christmas Count record.

Brown Thrasher - Lowest number in 14 years.

American Robin - Record number, about 25% greater than in any previous year.

Varied Thrush - A bird on the Bayfield count is the 12th Christmas Count record.

Golden-crowned Kinglet - Record number, 50% greater than in any previous year.

Ruby-crowned Kinglet - Unusually high number, but not exceeding the exceptional 1971 total.

Bohemian Waxwing - Found on only 2 counts, but 141 were seen on the Bayfield Count.

Cedar Waxwing - Record number, which were almost double any previous total.

Northern Shrike - Lowest total in 6 years.

Meadowlarks - The 4 birds on the Cooksville count were the only ones seen and represent the lowest total in 12 years.

Red-winged Blackbird - Record number.

Purple Finch - Lowest number in 7 years.

Pine Grosbeak - Lowest number in 9 years.

Common Redpoll - Lowest number in at least 15 years.

Pine Siskin - Lowest number in 9 years.

White-winged Crossbill - Lowest in 9 years.

Sparrows - Numbers of all species were about normal.

Snow Bunting - Lowest number in 6 years, probably because there was no snow to drive them to roadsides.

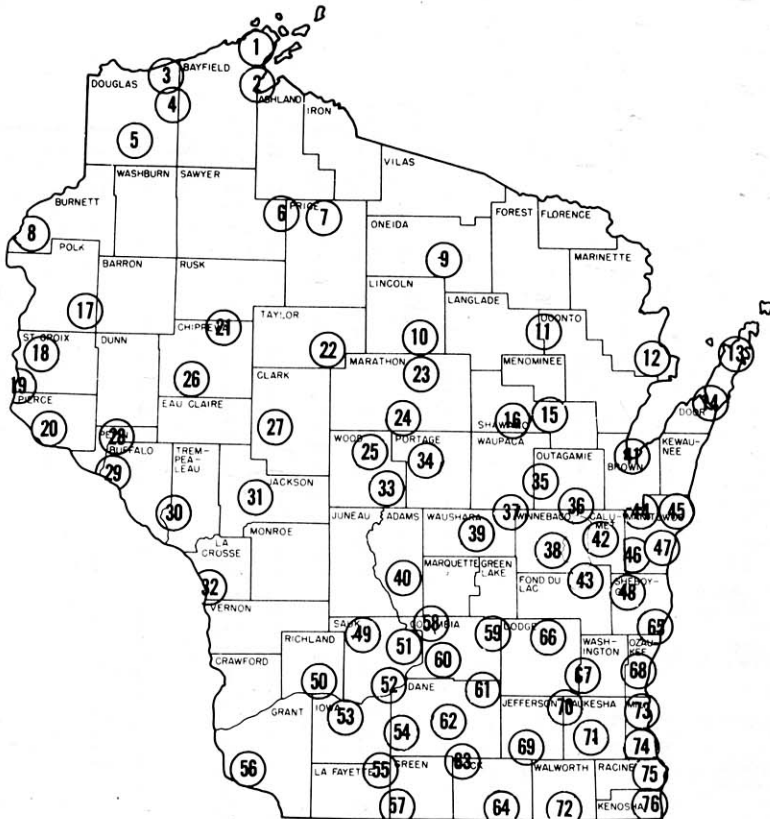


Figure 1. Location of the 1979 Wisconsin Christmas Counts.

Table 1: Species seen on 13 or more counts.

Species	NORTHWEST							NORTHEAST								
	Bayfield	Ashland	Cloverland	Brule	Solon Springs	Oxbo	Fifield	Grantsburg	Rhineland	Merrill	Lakewood	Peshigo	Ephraim	Sturgeon Bay	Shawano	Caroline
Canada Goose	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Mallard	14	30	..	11	3	..	..	1	..	304	..	..	149	370	..	274
American Black Duck	1	9	..	7	..	..	..	..	..	6	..	8	22	12	..	3
Lesser Scaup Duck	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Goldeneye	10	1	8	8	19	..	..	..	6	2	..	11	135	30	7	..
Common Merganser	8	27	5	2	..	..	..	*	..	..	..	..	..	55	..	..
Red-tailed Hawk	..	..	..	1	1	..	..	2	..	..	..	1	1	..	1	..
Rough-legged Hawk	1	2	11	2	5	4	1	8	3	..	..	1	..	..	2	1
Bald Eagle	1	..	1	6	3	..	..	1	1	..	..	..	..	..	..	..
Northern Harrier	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..
American Kestrel	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Ruffed Grouse	4	6	13	4	6	5	3	11	16	3	1	2	5	3	2	5
Ring-necked Pheasant	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Herring Gull	422	372	2	..	..	..	..	..	..	..	..	650	509	5	..	..
Ring-billed Gull	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
Rock Dove	4	33	..	..	..	..	19	198	71	..	..	29	79	42	200	70
Mourning Dove	..	3	..	..	..	..	..	1	..	12	..	28	31	18	28	8
Common Screech Owl	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Great Horned Owl	2	..	4	1	2	2	..	..	..	..	..	..	..	..	2	..
Barn Owl	..	*	2	1	1	1	1	1	*	1	..	..	..	..	..	..
Belted Kingfisher	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Flicker	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pileated Woodpecker	..	*	3	3	5	2	8	3	4	..	1	..	1	1	2	..
Red-bel. Woodpecker	..	..	..	..	..	1	..	1	1	..	..	1	1	..	1	3
Red-headed Woodpecker	..	..	..	..	..	..	3	..	..	..	..	..	..	..	1	..
Hairy Woodpecker	4	6	5	8	4	12	16	15	30	..	2	5	26	1	6	3
Downy Woodpecker	7	2	5	6	2	12	30	11	38	1	8	9	18	2	9	4
Horned Lark	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blue Jay	86	67	27	72	43	49	92	240	121	12	24	44	60	1	43	23
Northern Raven	23	45	33	482	162	47	24	17	23	2	4	..	3	..	..	..
American Crow	4	14	26	88	18	7	155	263	29	5	39	66	72	9	71	64
Black-cap. Chickadee	59	49	129	22	51	69	318	90	295	15	58	43	317	3	56	65
White-br. Nuthatch	5	4	3	6	3	2	9	19	48	1	1	11	27	..	24	18
Red-br. Nuthatch	3	7	5	3	7	4	38	..	19	2	15	1	7	..	..	1
Brown Creeper	4	2	..	4	2	..	6	4	9	..	7	..	2	..	6	3
American Robin	7	1	..	..	..	..	..	..	2	..	..	..	5	..	..	..
Golden-cr. Kinglet	..	..	1	6	3	..	1	1	3	..	6	..	..	..	..	3
Cedar Waxwing	123	*	..	..	..	1	7	413	..	28	..	..	*	..	6	..
Northern Shrike	..	2	1	2	..	1	1	..	2	..	1	1	*	..	..	..
European Starling	262	195	13	..	..	1	31	39	16	84	29	80	336	4	100	3
House Sparrow	76	139	81	8	8	..	110	839	28	135	43	118	19	6	64	23
Brown-headed Cowbird	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Red-winged Blackbird	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Grackle	..	11	..	..	..	..	1	..	1	..	..	..	1	..	..	..
Northern Cardinal	..	2	..	..	..	..	..	..	..	..	6	29	..	7	..	..
Evening Grosbeak	134	102	112	120	151	198	371	158	246	..	32	26	99	..	73	32
Purple Finch	..	1	28	2	22	6	74	3	28	6	4	..	7	..	..	..
Pine Siskin	..	..	23	..	..	..	..	..	33	1	..	..	3	..	..	..
American Goldfinch	39	22	10	48	30	25	97	696	145	1	8	77	234	..	54	38
Red Crossbill	..	12	..	62	51	..	..	..	22	..	31	..	..	..	..	..
Northern Junco	1	..	..	..	..	2	4	1	..	..	..	37	61	6	57	20
Amer. Tree Sparrow	..	..	1	..	..	3	..	20	..	..	3	6	2	..	5	20
White-thr. Sparrow	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Swamp Sparrow	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Song Sparrow	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Snow Bunting	..	55	..	..	42	2	..	..	250	..	..	7	28	..	50	..
TOTAL SPECIES	33	35	28	31	28	24	25	33	30	20	20	25	39	17	28	25

Table 1: (Continued)

Species	WESTCENTRAL													Black River Falls	LaCrosse	
	Joel	New Richmond	Hudson	Ellsworth	Holcombe	Medford	Nausau	Dancy	Arpin	Chippewa Falls	Millard	Durand	Nelson			Arcadia
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Canada Goose	..	..	8	..	..	..	..	..	..	..	..	..	..	5	..	409
Mallard	86	10	34	..	..	..	455	..	..	..	..	10	..	20	1	780
American Black Duck	2	..	3	..	..	..	35	..	..	..	..	..	..	..	..	..
Lesser Scaup Duck	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Goldeneye	..	10	8	5	..	..	1	26	..	*	..	..	1	..	..	..
Common Merganser	..	..	1	..	..	..	..	2	..	..	..	..	..	..	..	5
Red-tailed Hawk	2	1	3	1	..	..	1	..	1	*	..	10	19	5	7	21
Rough-legged Hawk	..	..	2	..	1	7	2	3	6	..	..	2	1	..	..	1
Bald Eagle	..	..	1	..	..	..	..	3	..	1	..	10	6	..	..	5
Northern Harrier	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
American Kestrel	..	3	2	5	1	2	2	..	3	..	*	..	..	2	1	2
Ruffed Grouse	2	..	5	7	1	13	2	10	2	2	2	25	10	..	4	4
Ring-necked Pheasant	4	6	1	3	..	..	..	..	1	..	..	..	..	1	4	..
Herring Gull	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Ring-billed Gull	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Rock Dove	227	1285	249	121	37	39	113	160	75	130	12	414	328	166	64	212
Mourning Dove	..	1	1	1	2	..	24	27	..	5	..	9	12	11	9	..
Common Screech Owl	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Great Horned Owl	1	..	2	..	..	3	1	..	..	..	3	..	..	2	..	3
Barred Owl	1	..	2	2	1	1	1	1	1	*	..	..	1	1	5	4
Belted Kingfisher	1	..	1	1	..	..	1	..	..	..	..	1	..	..	..	2
Common Flicker	..	1	1	..	1	..	..	..	..	..	..	1	3	3	2	6
Pileated Woodpecker	2	1	1	6	1	2	..	4	..	3	1	3	8	1	8	6
Red-bel. Woodpecker	3	5	4	2	..	..	..	..	..	1	2	10	27	3	8	14
Red-headed Woodpecker	1	..	7	1	..	..	..	..	..	1	1	2	1	3	22	4
Hairy Woodpecker	7	8	12	5	11	6	6	2	5	4	4	15	29	11	21	38
Downy Woodpecker	7	11	20	20	18	12	9	6	5	12	3	15	38	14	29	21
Horned Lark	..	..	10	..	..	..	..	..	3	..	..	..	..	..	..	..
Blue Jay	42	81	175	42	123	66	28	130	18	44	77	170	124	33	185	76
Northern Raven	1	..	..	..	..	7	..	..	..	..	1	..	..	..	..	..
American Crow	64	407	745	112	207	149	90	109	20	210	96	731	193	24	367	394
Black-csp. Chickadee	54	61	130	41	120	137	89	85	11	123	70	104	154	34	111	111
White-br. Nuthatch	14	18	52	14	11	13	18	11	7	26	7	45	67	27	65	45
Red-br. Nuthatch	5	..	1	..	..	2	2	..	..	*	1	..	..	..	..	..
Brown Creeper	3	..	1	..	2	4	1	..	..	12	3	5	10	1	4	13
American Robin	..	..	4	..	..	1	1	..	..	..	..	..	..	..	..	1
Golden-cr. Kinglet	1	6	3	2	7	1	..	..	..	23	2	12	6	2	..	2
Cedar Waxwing	..	346	323	12	5	9	54	2	..	35	..	..	..	..	11	6
Northern Shrike	1	1	5	..	3	1	..	1	3	..	..	1	3	..	..	..
European Starling	88	1107	258	47	144	56	271	124	200	231	40	419	331	258	40	1000
House Sparrow	491	1206	348	138	456	661	181	428	20	265	302	604	1140	465	108	1005
Brown-headed Cowbird	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Red-winged Blackbird	..	1	1	..	..	..	..	..	..	..	1	9	..	..	..	250
Common Grackle	..	20	2	..	1	..	..	2	..	*	..	3	..	..	16	4
Northern Cardinal	2	1	14	13	2	2	8	5	..	15	2	24	73	51	18	35
Evening Grosbeak	..	..	..	..	243	93	12	92	..	..	66	..	..	..	141	..
Purple Finch	..	2	14	..	3	100	9	..	..	2	1	..	..	..	13	6
Pine Siskin	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	25
American Goldfinch	9	7	74	385	16	5	20	4	5	68	15	243	39	4	22	76
Red Crossbill	..	..	3	..	..	*	1	..	..	1	..	..	..	..	..	..
Northern Junco	2	75	158	98	..	3	54	29	..	180	18	396	255	270	143	207
Amer. Tree Sparrow	..	19	108	8	17	6	4	99	..	135	63	127	190	213	3	394
White-thr. Sparrow	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Swamp Sparrow	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Snow Sparrow	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Song Bunting	..	75	4	..	1	44	30	..	..	..	..	..	..	..	..	..
TOTAL SPECIES	29	32	53	27	27	31	33	27	19	26	25	29	30	28	35	41

Table 1: (Continued)

Species	SOUTHEAST													Total Number of Counts	Total Number of Individuals
	Cedar Grove	Horicon	Hartford	Newburg	Fort Atkinson	Oconomowoc	Waukesha	Lake Geneva	Milwaukee	Hales Corners	Racine	Kenosha			
Canada Goose	10	32000	..	20	..	2	33	195	213	..	473	..	27	40199	
Mallard	..	31	4	24	104	148	68	2150	3112	22	1454	180	52	27326	
American Black Duck	..	3	..	..	..	..	5	150	83	..	23	..	29	1116
Lesser Scaup Duck	..	..	P	..	..	1	1	10	21	..	..	7	13	96
Common Goldeneye	13	..	21	8	..	8	3	360	296	295	29	198	42	2505	
Common Merganser	..	..	29	..	..	..	..	349	39	..	3	12	24	4374
Red-tailed Hawk	..	14	8	2	4	4	11	9	11	4	10	15	56	361	
Rough-legged Hawk	..	12	..	..	..	..	2	2	2	..	1	5	44	133
Bald Eagle	..	*	..	..	..	..	..	..	..	..	..	..	..	72
Northern Harrier	1	3	..	..	..	..	1	1	1	1	..	1	22	39
American Kestrel	4	2	5	8	3	1	3	1	22	6	5	11	46	202	
Ruffed Grouse	..	..	..	9	..	..	..	..	..	..	..	..	..	53
Ring-necked Pheasant	4	6	2	22	9	12	2	2	66	26	2	8	40	520	
Herring Gull	33	8	25	23	*	*	17	117	3852	43	1330	1416	33	12288	
Herring-billed Gull	2	..	..	2	..	..	1	6	847	2	74	8	18	1341
Rock Dove	84	152	551	516	462	4	713	55	2307	65	211	481	71	18714	
Mourning Dove	4	..	25	83	..	3	60	16	607	46	103	224	54	2688	
Common Screech Owl	..	..	..	..	..	..	3	1	4	4	2	1	16	39
Great Horned Owl	1	3	6	25	..	1	4	3	6	1	5	*	47	162	
Barred Owl	..	1	..	4	..	..	..	..	..	..	..	..	..	57
Belted Kingfisher	..	..	1	..	..	2	1	2	4	..	..	..	..	28
Common Flicker	..	..	4	4	*	1	1	11	4	*	1	1	38	126
Fileated Woodpecker	..	..	..	..	..	..	..	..	..	..	..	..	..	39
Red-bel. Woodpecker	..	1	6	8	4	8	11	3	1	1	1	4	54	377	
Red-headed Woodpecker	1	..	..	3	..	1	..	..	..	..	..	1	37	219
Hairy Woodpecker	2	2	6	39	4	25	18	3	11	2	4	10	71	833	
Downy Woodpecker	8	9	15	118	22	50	62	18	39	10	9	26	74	1575	
Horned Lark	3	2	..	26	..	1	2	..	..	1	7	2	22	118
Blue Jay	1	12	15	62	12	52	35	9	34	5	6	23	76	5311	
Northern Raven	..	..	..	..	..	..	..	..	..	..	..	..	..	16
American Crow	12	6	47	118	25	45	93	57	990	15000	85	117	76	39498	
Black-cap. Chickadee	41	55	27	531	67	190	248	52	288	69	53	128	73	3205	
White-br. Nuthatch	13	4	16	136	18	55	55	18	35	4	7	32	75	2072	
Red-br. Nuthatch	1	..	..	..	2	1	2	..	1	3	5	4	38	188
Brown Creeper	..	6	1	14	11	8	10	3	6	7	3	2	57	369	
American Robin	..	1	1	8	1	11	24	1	39	63	..	1	36	462	
Golden-cr. Kinglet	..	..	*	9	1	4	17	2	20	18	2	4	45	392
Cedar Waxwing	2	..	..	25	1	33	25	8	204	313	39	22	44	2638
Northern Shrike	1	..	..	..	..	..	1	..	1	..	1	..	34	54
European Starling	2145	238	898	874	25	433	486	1100	189754	289	367	1021	74	214169	
House Sparrow	268	171	735	1971	42	1000	830	380	1121	57	336	629	75	40516	
Brown-headed Cowbird	..	378	1	..	2	..	..	110	5	..	..	26	13	563
Red-winged Blackbird	..	3202	2	5	..	..	2	7	6	1	1	110	28	6193
Common Grackle	..	130	..	3	2	..	17	7	11	11	..	2	36	467	
Northern Cardinal	6	7	8	150	17	61	97	20	88	15	35	22	59	1908	
Evening Grosbeak	..	..	..	..	..	*	..	..	..	..	..	..	..	26
Purple Finch	..	..	..	12	..	19	29	5	3	3	..	..	19	45
Pine Siskin	..	..	..	..	..	*	16	..	10	..	..	*	16	142
American Goldfinch	37	..	24	194	49	100	343	16	206	23	176	48	71	6655	
Red Crossbill	..	..	..	..	..	..	12	..	3	*	..	..	14	228
Northern Junco	29	104	66	872	42	356	670	76	493	77	148	238	67	12318	
Amer. Tree Sparrow	2	230	65	826	33	327	554	72	65	156	322	117	63	8305	
White-thr. Sparrow	..	..	..	1	..	..	..	2	22	..	1	1	14	53
Swamp Sparrow	..	..	4	5	..	4	3	1	..	3	..	6	13	39
Song Sparrow	..	..	2	21	4	3	9	4	10	9	2	3	25	146
Snow Bunting	..	9	..	1	..	..	..	..	..	..	..	..	..	25
TOTAL SPECIES	32	36	35	49	32	41	51	58	75	43	48	52			

Table 1: (Continued)

Species	SOUTHWEST										SOUTHCENTRAL									
	Reedsburg	Richland Center	Haraboo	Sauk City	Clyde	Mount Horeb	Blanchardville	Beetown	Cadiz Springs	Portage	Randolph	Poynette	Sun Prairie	Madison	Cookeville	Beloit				
Canada Goose	110	..	3	..	..	..	..	..	35	5281	*	..	61	11	4	
Mallard	3	11	1	119	..	..	..	2	3	6000	..	102	3284	37	980		
American Black Duck	..	..	..	..	..	..	..	..	..	12	..	2	99	..	1	
Lesser Scaup Duck	..	..	..	..	..	..	..	..	..	..	..	1	3	..	3	
Common Goldeneye	..	..	..	2	..	..	..	..	..	7	..	..	552	2	34	
Common Merganser	..	..	..	1	..	..	..	..	..	45	..	..	3396	7	..	
Red-tailed Hawk	3	24	1	27	1	25	3	6	2	3	3	..	26	7	7					
Rough-legged Hawk	3	..	..	3	..	..	..	1	..	..	..	..	4	1	..	
Bald Eagle	..	1	..	5	..	..	..	..	..	..	1	..	2	..	..			
Northern Harrier	..	2	..	..	..	1	..	..	..	..	..	..	1	4	1	
American Kestrel	5	6	2	5	..	3	3	..	..	2	..	3	4	2	..			
Ruffed Grouse	1	30	4	8	52	13	6	9	3	..	1	..	3	..	..			
Ring-necked Pheasant	..	1	..	3	..	..	..	1	..	2	4	1	22	2	9		
Herring Gull	..	..	..	32	..	..	..	1	..	2	..	..	2591	2	*	
King-billed Gull	..	..	1	..	..	..	..	..	..	..	..	..	325	43	..	
Rock Dove	147	547	139	617	16	220	68	102	57	95	274	19	203	723	452	192				
Mourning Dove	..	9	..	15	..	..	..	..	1	4	3	6	302	4	195	
Common Screech Owl	..	..	..	3	..	..	1	1	..	..	..	..	8	2	..	
Great Horned Owl	..	2	5	17	..	1	3	1	4	..	3	5	8	1	2					
Barred Owl	..	..	1	5	1	1	..	3	..	..	..	..	*	..	..
Salted Kingfisher	..	1	..	3	..	..	1	2	1	..	..	1	4	1	2	
Common Flicker	..	13	2	15	..	7	5	6	4	3	..	2	11	*	3					
Pileated Woodpecker	..	16	1	11	2	3	1	..	1	..	..	..	..	..	..
Red-bel. Woodpecker	2	43	5	49	2	18	8	18	6	..	..	2	14	2	13			
Red-headed Woodpecker	5	38	9	39	1	12	5	22	..	1	1	..	3	4	1					
Hairy Woodpecker	1	30	2	30	3	21	5	1	..	1	7	..	36	9	8					
Downy Woodpecker	1	49	9	72	7	56	19	9	8	..	2	15	83	20	43					
Horned Lark	..	..	..	1	..	3	..	2	..	*	..	..	6	8	8	
Blue Jay	37	214	56	404	21	159	55	62	26	35	37	52	8	107	46	49				
Northern Raven	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
American Crow	312	228	35	362	23	190	45	25	15	4	40	24	29	523	73	11903				
Black-cap. Chickadee	..	155	26	197	19	188	67	88	26	..	7	23	..	314	60	132				
White-br. Nuthatch	5	64	13	95	19	78	32	24	12	3	5	17	3	85	19	38				
Red-br. Nuthatch	..	2	..	4	..	..	..	2	..	..	..	..	..	7	..	..		
Brown Creeper	..	1	2	6	..	1	2	2	1	..	..	..	..	33	..	5
American Robin	..	44	..	20	..	1	1	3	2	..	1	17	..	156	*	3				
Golden-cr. Kinglet	..	3	3	5	1	..	2	..	..	..	..	..	..	19	..	..		
Cedar Waxwing	9	75	60	7	..	27	..	61	..	..	9	..	..	182	1	30
Northern Shrike	1	..	..	1	..	..	..	..	..	1	..	..	..	..	1	..
European Starling	240	382	133	622	5	179	1	165	90	97	629	55	294	2249	546	418				
House Sparrow	245	2023	201	1349	17	615	225	1447	800	66	316	142	379	2477	1224	29047				
Brown-headed Cowbird	..	..	..	..	..	..	..	..	..	..	..	..	..	14	..	2
Red-winged Blackbird	..	..	..	..	..	..	14	..	..	..	9	1	..	2511	3	..
Common Grackle	15	..	..	7	..	10	2	..	17	..	..	1	..	40	9	16
Northern Cardinal	..	183	15	97	23	53	22	117	12	7	*	17	..	141	34	53				
Evening Grosbeak	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Purple Finch	..	17	17	23	..	14	2	18	..	..	9	..	..	6	18	..
Pine Siskin	..	..	..	..	..	2	..	..	..	..	..	1	..	..	..	..
American Goldfinch	..	272	11	108	3	133	65	3	50	4	43	51	..	520	144	179				
Red Crossbill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Northern Junco	12	949	142	689	48	129	96	357	40	14	35	132	16	997	375	881				
Amer. Tree Sparrow	9	135	35	292	3	63	210	724	25	..	121	1	..	542	273	629				
White-thr. Sparrow	..	1	..	..	..	..	..	..	..	..	..	..	..	13	..	2
Swamp Sparrow	..	..	..	2	..	..	1	..	..	..	..	..	..	4	..	4
Song Sparrow	..	..	1	12	..	..	1	6	..	..	..	..	..	30	2	3
Snow Bunting	..	..	..	..	..	..	..	1	..	..	..	..	..	26	..	..		
TOTAL SPECIES	15	43	31	45	21	33	34	36	25	15	25	38	13	80	45	40				

Table 1: (Continued)

Species	CENTRAL										EASTCENTRAL							
	Wisconsin Rapids	Stevens Point	Shiocton	Appleton	Fremont	Oshkosh	Wautoma	Grand Marsh	Green Bay	Stockbridge	Fond du Lac	Woodland Dunes NW	Woodland Dunes NE	Woodland Dunes SW	Woodland Dunes SE	Plymouth		
Canada Goose	2	..	..	7	8	*	2	..	1242	..	7	..	..	50	..	..
Mallard	145	587	..	2473	8	327	146	228	2526	..	207	..	43	108	73	54		
American Black Duck	..	5	..	213	..	5	..	2	383	..	4	..	1	..	5	12		
Lesser Scaup Duck	..	..	..	8	..	32	..	..	..	..	2	..	..	..	..	..
Common Goldeneye	14	5	..	218	2	42	..	21	11	..	*	..	33	..	34	9		
Common Merganser	..	..	..	103	2	138	..	..	133	..	..	..	3	..	8	14
Red-tailed Hawk	2	3	3	10	5	6	3	2	4	..	*	4	3	5	2	1		
Rough-legged Hawk	1	2	2	2	7	1	3	..	2	4	..	1	2	4	..	..
Bald Eagle	2	5	1	..	..	..	..	16	..	..	..	..	..	..	..	..
Northern Harrier	1	1	..	..	..	4	5	..	..	..	2	..	4	..	..	..
American Kestrel	2	..	9	11	3	18	..	..	7	7	4	1	1	4	2	3
Ruffed Grouse	8	11	..	6	..	..	13	..	1	3	..	2	9	12	7	6
Ring-necked Pheasant	..	..	..	153	..	50	..	..	55	4	5	1	14	2	6	2
Herring Gull	..	..	..	9	..	137	1	..	34	2	6	10	465	8	13	146
Ring-billed Gull	..	..	..	..	..	2	..	..	3	..	18	..	..	4	..	1
Rock Dove	15	441	276	607	250	774	131	17	374	628	403	69	228	324	117	210		
Mourning Dove	28	50	50	240	3	73	12	2	119	6	21	22	74	15	31	1		
Common Screech Owl	..	..	..	5	..	1	..	..	..	1	..	..	..	..	..	..
Great Horned Owl	1	1	1	5	2	4	2	..	2	1	..	..	2	*	4	2
Barred Owl	..	1	1	3	1	..	1	..	2	1	..	..	..	1	1	..
Belted Kingfisher	1	1	..	1	..	..	..	..	..	..	2	..	1	1	1	1
Common Flicker	..	..	3	9	8	1	1	..	..	1	2	..	..	2	..	..
Pileated Woodpecker	1	3	2	1	1	..	8	..	..	..	..	..	..	..	..	..
Red-bel. Woodpecker	..	*	7	4	5	1	8	..	3	10	6	..	..	6	1	7
Red-headed Woodpecker	1	3	..	1	1	..	14	..	..	..	2	..	1	..	..	2
Hairy Woodpecker	8	15	26	18	23	9	31	..	15	16	9	7	11	17	18	13		
Downy Woodpecker	11	40	37	55	23	22	42	1	14	21	6	10	14	22	30	44		
Horned Lark	..	..	..	..	..	10	..	..	..	7	4	3	8	..	..	1
Blue Jay	101	291	74	64	58	23	378	37	53	24	20	13	29	33	35	26		
Northern Raven	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
American Crow	130	894	106	2000	152	142	211	48	80	17	62	81	106	69	60	66		
Black-cap. Chickadee	195	697	117	125	78	15	151	5	42	48	72	77	141	130	120	57		
White-br. Nuthatch	27	54	48	68	32	19	91	2	23	21	14	12	34	23	50	28		
Red-br. Nuthatch	6	12	2	3	1	..	..	..	..	..	..	..	3	3	..	1
Brown Creeper	8	23	4	47	14	13	3	..	..	5	1	2	6	3	7	1
American Robin	..	1	..	18	1	1	*	..	8	1	..	..	4	..	8	..
Golden-cr. Kinglet	7	88	4	46	6	14	..	..	..	..	..	4	5	11	6	..
Cedar Waxwing	..	5	..	35	..	6	65	..	*	..	..	1	8	..	1	3
Northern Shrike	*	2	2	..	2	..	1	..	1	..	2	3	..	2	..	1		
European Starling	69	388	333	970	263	1256	99	5	380	132	1030	156	561	192	42	463		
House Sparrow	62	813	472	924	490	1866	179	3	289	820	1268	267	465	772	214	357		
Brown-headed Cowbird	..	2	..	6	13	..	..	..	3	..	1	..	..	..	..	..
Red-winged Blackbird	..	..	..	35	14	1	*	..	1	2	1	..	1	1	..	2
Common Grackle	*	2	..	21	70	3	..	..	1	2	1	..	*	5	..	..
Northern Cardinal	5	25	16	57	7	23	25	..	9	18	8	8	20	28	34	18		
Evening Grosbeak	20	33	..	1	..	..	12	..	1	..	..	..	15	*	..	..
Purple Finch	..	..	4	5	..	..	30	..	8	5	..	1	..	3	5	1
Pine Siskin	4	..	..	10	..	..	1	..	5	4	2	..	..	..	..	..
American Goldfinch	68	122	137	104	106	29	271	..	54	35	97	73	45	107	38	51		
Red Crossbill	13	9	1	..	..	..	7	..	..	..	..	..	..	..	..	..
Northern Junco	40	180	83	396	84	121	265	7	136	129	85	44	110	120	173	85		
Amer. Tree Sparrow	7	33	41	152	137	117	22	..	28	21	7	117	75	18	204	49		
White-thr. Sparrow	..	1	..	5	..	..	..	..	..	..	..	..	1	..	1	..
Swamp Sparrow	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Song Sparrow	..	..	..	5	1	..	..	..	1	..	1	..	8	..	6	1
Snow Bunting	*	75	..	11	..	87	200	3	35	1	..	1		
TOTAL SPECIES	35	43	29	65	42	43	37	16	44	32	38	22	46	36	44	45		

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TABLE 2: Species seen on less than 13 counts.

Species	Number of Counts	Number of Birds	Count and Number Seen
Common Loon	2	3	Brule 1, Milwaukee 2
Horned Grebe	2	6	Ephraim 1 (Madison), Lake Geneva 5
Pied-billed Grebe	3	4	Horicon 2, Lake Geneva 1, Kenosha 1
Great Blue Heron	9	13	Grantsburg 1, New Richmond 1, Ellsworth 1, Wisconsin Rapids 1, Stevens Point 5, Woodland Dunes SW 1, Plymouth 1, Cooksville 1, Milwaukee 1
Bl.-cr. Night Heron	1	2	Appleton 2
Mute Swan	3	20	Bayfield 17, Ashland 2, Hartford 1, Waukesha) LaCrosse 28, Wisconsin Rapids 1, Wautoma 1, Woodland Dunes SE 1, Richland Center 1, (Milwaukee), Racine 1
Whistling Swan	6	33	Green Bay 5, Richland Center 30, Milwaukee 2, Racine 1
Snow Goose	4	38	Green Bay 1, Madison 145, Oconomowoc 1, Waukesha 4, Milwaukee 6, Hales Corners 6
Gadwall	6	163	Green Bay 1, Lake Geneva 1, Milwaukee 1
Common Pintail	3	3	Madison 1, Milwaukee 2
Green-winged Teal	2	3	Lake Geneva 1
Blue-winged Teal	1	1	Woodland Dunes SE 1, Milwaukee 14
American Wigeon	2	15	Madison 105
Northern Shoveler	1	105	Arcadia 1, LaCrosse 1, Appleton 3, Green Bay 1, Woodland Dunes SE 1, Newburg 1, Madison 1, Milwaukee 3
Wood Duck	8	12	Arpin 3, Appleton 1, Grand Marsh 1, Poynette 1, Madison 1, Lake Geneva 10, Kenosha 3
Redhead	7	20	Fremont 1, Newburg 1, Lake Geneva 15, Milwaukee 1, Racine 1
Ring-necked Duck	5	19	Appleton 1, Madison 4, Lake Geneva 52, Milwaukee 1, Racine 49
Canvasback	5	107	Ephraim 30, Appleton 2, Oshkosh 4, Woodland Dunes NE 2, Cedar Grove 1, Milwaukee 4150, Hales Corners 140, (Kenosha)
Greater Scaup Duck	7	4329	Ephraim 37, Sturgeon Bay 33, Appleton 1, Oshkosh 1, Woodland Dunes SE 1, Cedar Grove 2, Madison 7, Beloit 4, Lake Geneva 3, Milwaukee 197, Hales Corners 34, Racine 45, (Kenosha)
Bufflehead	13	366	Ephraim 36, Woodland Dunes NE 87, Woodland Dunes SE 2, Cedar Grove 89, Milwaukee 427, Hales Corners 55, Racine 40, Kenosha 600
Oldsquaw	7	1336	Cloverland 3, Milwaukee 2, (Kenosha)
White-winged Scoter	2	5	Appleton 2, Oshkosh 4, Madison 1, Lake Geneva 6, Milwaukee 4, (Kenosha)
Ruddy Duck	5	16	Ephraim 1, Appleton 2, Fremont 1, Horicon 1, Madison 1, Oconomowoc 1, Lake Geneva 7, Milwaukee 2
Hooded Merganser	8	16	Ephraim 1, Green Bay 2, Cedar Grove 60, Madison 1, Oconomowoc 1, Lake Geneva 9, Milwaukee 66, Hales Corners 58, Racine 118, Kenosha 1
Reb-br. Merganser	10	320	Cloverland 1, Brule 2, Grantsburg 4, Appleton 1, Madison 1, Kenosha 1
Northern Goshawk	6	10	Hudson 1, (Wisconsin Rapids), (Stevens Point), Fremont 2, Woodland Dunes NE 2, Hartford 1, Newburg 2, Richland Center 1, Mount Horeb 2, Madison 1, Waukesha 1, Milwaukee 3
Sharp-shinned Hawk	10	16	Hudson 1, (Arpin), Wautoma 1, Baraboo 1, Clyde 1, Madison 3, Fort Atkinson 3, Milwaukee
Cooper's Hawk	7	11	

Table 2: (Continued)

Species	Number of Counts	Number of Birds	Count and Number Seen
Red-shouldered Hawk	4	4	Hudson 1, LaCrosse 1, Richland Center 1, Poynette 1, (Waukesha)
Golden Eagle	1	1	Medford 1
Merlin	3	3	Nelson 1, Wautoma 1, Kenosha 1
Prairie Chicken	1	65	Dancy 65
Sharp-tailed Grouse	1	10	Grantsburg 10
Common Bobwhite	1	2	Newburg 2
Gray Partridge	10	182	Stevens Point, Shiocton 2, Appleton 9, Stockbridge 14, Fond du Lac 5, Woodland Dunes SW 14, Plymouth 43, Newburg 18, Beetown 11, Milwaukee 65
Wild Turkey	1	9	Beetown 9
American Coot	12	1039	Appleton 2, Fremont 1, Oshkosh 3, Ephraim 8, (Horicon), Hartford 31, Madison 264, Oconomowoc 68, Waukesha 3, Beloit 4, Lake Geneva 640, Milwaukee 13, Kenosha 2
Killdeer	2	8	LaCrosse 2, Richland Center 6
American Woodcock	2	2	Stevens Point 1, Kenosha 1
Common Snipe	12	26	Hudson 1, Woodland Dunes SE 2, Newburg 2, Richland Center 2, Beetown 1, Cadiz Springs 1, Poynette 2, Madison 6, Fort Atkinson 1, Waukesha 3, Cooksville 4, Hales Corners 1
Glaucous Gull	3	5	Bayfield 1, Madison 1, Madison 3
Bonaparte's Gull	3	490	Milwaukee 423, Racine 63, Kenosha 4
Snowy Owl	4	4	Oshkosh 1, Green Bay 1, Woodland Dunes NE 1, Milwaukee 1
Long-eared Owl	3	3	Black River Falls 1, Newburg 1, Fort Atkinson 1, (Kenosha)
Short-eared Owl	3	5	Horicon 2, Fort Atkinson 1, Cooksville 2
Yellow-bel. Sapsucker	7	8	Black River Falls 1, (Green Bay), Richland Center 1, Poynette 2, Madison 1, Milwaukee 1, Hales Corners 1, Racine 1, (Kenosha)
Gray Jay	3	45	Oxbo 6, Fifield 22, Rhinelander 17
Boreal Chickadee	1	1	Brule 1
Tufted Titmouse	8	27	Hudson 1, (Chippewa Falls), Black River Falls 2, Richland Center 1, Mount Horeb 9, Blanchardville 1, Beetown 5, Madison 5, Oconomowoc 3
Winter Wren	3	6	Woodland Dunes SE 2, Blanchardville 2, Madison 2
Gray Catbird	1	1	Madison 1 (Milwaukee)
Brown Thrasher	2	2	Appleton 1, Milwaukee 1
Sage Thrasher	1	1	Madison 1
Varied Thrush	1	1	Bayfield 1
Hermit Thrush	2	2	Appleton 1, Madison 1, (Milwaukee)
Eastern Bluebird	1	4	Durand 4
Ruby-crowned Kinglet	7	16	Appleton 1, Plymouth 1, Horicon 6, Madison 1, Fort Atkinson 1, Oconomowoc 2, Milwaukee 4
Bohemian Waxwing	2	144	Bayfield 141, Hudson 3, (Medford)
White-eyed Vireo	1	1	Madison 1
Yellow-rump. Warbler	1	6	Sauk City 6
Common Yellowthroat	1	1	Blanchardville 1, (Madison), (Waukesha)
Meadowlark spp.	1	4	Cooksville 4
Yellow-h. Blackbird	3	3	Appleton 1, Horicon 1, Lake Geneva 1
Northern Oriole	1	1	Madison 1
Rusty Blackbird	6	19	New Richmond 1, Fremont 1, Madison 5, Fort Atkinson 4, Cooksville 6, Beloit 2, (Milwaukee)
Brewer's Blackbird	3	10	Ashland 1, Horicon 1, Lake Geneva 1
Northern Oriole	1	1	Madison 1
Rusty Blackbird	6	19	New Richmond 1, Fremont 1, Madison 5, Fort Atkinson 4, Cooksville 6, Beloit 2, (Milwaukee)
Brewer's Blackbird	3	10	Ashland 1, Appleton 6, Lake Geneva 3

Table 2: (Continued)

Species	Number of Counts	Number of Birds	Count and Number Seen
Black-head. Grosbeak	1	1	Rhineland 1
Pine Grosbeak	4	20	Bayfield 7, Brule 10, (Oxbo), Stevens Point 2, Appleton 1
Common Redpoll	8	71	Ashland 28, Solon Springs 6, Wausau 5, Shawano 8, Wautoma 12, Stockbridge 2, Madison 4, Cooksville 6
White-w. Crossbill	2	2	Chippewa Falls, 1, Cedar Grove 1
Rufous-sided Towhee	5	7	(Appleton), Sauk City 1, Cadiz Springs 1, Madison 2, (Fort Atkinson), (Oconomowoc), Cooksville 1, Milwaukee 2
Field Sparrow	6	6	Ashland 1, Woodland Dunes SE 1, Newburg 1, Waukesha 1, Cooksville 1, Kenosha 1
White-crown. Sparrow	4	10	Mount Horeb 1, Poynette 1, Madison 7, Lake Geneva 1
Fox Sparrow	4	5	Newburg 1, Madison 1, Milwaukee 1, Racine 1 (Medford), Chippewa Falls 1, Willard 1, Oshkosh 32, Fond du Lac 45, Woodland Dunes NE 1, Madison 2, Waukesha 1
Lapland Longspur	7	83	

TABLE 3. Count, count number (Fig. 1), center of count area and compiler

- Appleton** (36); Jct. Hwys. 10 & 125; Daryl Tessen, 2 Pioneer Park Place, Elgin IL 60120
- Arcadia** (30); Jct. Hwy. J and road 1-½ mi. S. of Arcadia; Tom Roskos, Rt. 1, Arcadia, WI 54612
- Arpin** (25); Arpin; Don Follen Sr., Rt. 1, Box 96, Arpin, WI 54410
- Ashland** (2); Jct. Hwys. 2 & 118; Dick Verch, Biology Dept., Northland College, Ashland, WI 54806
- Baraboo** (51); Courthouse; Ron Sauey, City View Rd., Baraboo, WI 53913
- Bayfield** (1); halfway between Cornucopia and Washburn; Barnard Klugow, Box 13, Brule, WI 54820
- Beetown** (56); Beetown; Terrence Ingram, Box 155, Apple River, IL 61001
- Beloit** (64); N. end of Big Hill Park; Thomas Ellis, 1757 Townline Ave., Beloit, WI 53511
- Black River Falls** (31); Black River Falls; Mrs. Francis Harmer, Rt. 1, Box 70, Black River Falls, WI 54615
- Blanchardville** (55); 2½ mi. SW of Blanchardville; Davie Willard, Bird Division, Field Museum of Natural History, Chicago, IL 60605
- Brule** (4); Jct. Hwys. 27 & B; Bernard Klugow, Box 13, Brule, WI 54820
- Cadiz Springs** (57); Cadiz Springs State Park; Mark Peterson, 4678 N. 84th St., Milwaukee, WI 53225
- Caroline** (16); 1 mi W. of Caroline; Mark Peterson, 4678 N. 84th St., Milwaukee, WI 53225
- Cedar Grove** (65); Jct. Hwys. 32 & D; Don Hanbury, 2938 N. 90th St., Milwaukee, WI 53222
- Chippewa Falls** (26); Jct. Hwys. 178 & S; Charles Kember, Box 699, Chippewa Falls, WI 54729
- Cloverland** (3); Cloverland; Donald Perala, Rt. 1, Box 116, Brule, WI 54820
- Clyde** (53); Hwy. 130 1 mi. W. of Hwy. 23; Bill Sievert, 8430 W. Capitol Dr., Milwaukee, WI 53222
- Cooksville** (63); Cooksville; John Wilde, Rt. 1, Evansville, WI 53536
- Dancy** (24); 3 mi. NW of Dancy; Don Helgerson, Rt. 1, Chili, WI 54420
- Durand** (28); Charles Kemper, Box 699, Chippewa Falls, WI 54729
- Ellsworth** (20); Molly Schmidt

Table 3: (Continued)

- Ephraim** (13); Hwy. A, 3 mi. S. of Hwy. 42; Charlotte Lukes, P.O. Box 152, Baileys Harbor, WI 54202
- Fifield** (7); Fifield Post Office; Thomas Nicholls, 2160 Draper Ave., Roseville, MN 55113
- Fond du Lac** (43); Tower and Coty Roads; Walter Gilles, 1060 Buttermilk Creek Dr., Fond du Lac, WI 54935
- Fort Atkinson** (69); Jct. Main and Water Sts.; Richard Wanie, Rt. 4, Fort Atkinson, WI 53538
- Fremont** (37); Jct. Hwys. 1 and HH; Daryl Tessen, 2 Pioneer Park Place, Elgin, IL 60120
- Grand Marsh** (40); 7½ mi. W. of Marquette Co. on Hwy. E; W.D. Brown, 225 W. Lakeside St., Madison, WI 53715
- Grantsburg** (8); Jct. Hwys. 70 & 87; Clarence Wagman, Box 166, Grantsburg, WI 54840
- Green Bay** (41); Jct. Allauex and Webster Sts.; Bernard Chartier, 236 Oxford Ave., Green Bay, WI 54303
- Hales Corners** (74); Jct. old Hwy. 41 & Peutz Rd.; John Idzikowski, 418 E. Plainfield Ave., Milwaukee, WI 53207
- Hartford** (67); Norma Schmidt, 450 Seventh St., Hartford, WI 53027
- Holcombe** (21); Chippewa-Rusk Co. Line, 1 mi E. of Hwy. 27; Charles Kemper, Box 699, Chippewa Falls, WI 54729
- Horicon** (66); Jct. Main Ditch & Main Dike; Bob Drieslein, Horicon National Wildlife Refuge, Rt. 2, Mayville, WI 53050
- Hudson** (19); S. end of L. St. Croix; Manley Olson, 1974 W. Summer, St. Paul, MN 55113
- Joel** (17); Jct. Hwy. D & Soo Line R.R.; Bernard Klugow, Box 13, Brule, WI 54820
- Kenosha** (76); Hwy. 158 1 mi. E of I-94; Ron Hoffman, Box 886, Kenosha, WI 53141
- LaCrosse** (32); County Courthouse; F.Z. Leshner, 509 Winona St., LaCrosse, WI 54601
- Lake Geneva** (72); near Williams Bay; Clarence Palmquist, 834 Windsor Rd., Glenview, IL 60025
- Lakewood** (11); Jct. Hwy. T & F.R. 2117; John Woodcock, 1440F N. 7th St., Manitowoc, WI 54220
- Madison** (62); State Capitol; William Hilsenhoff, 33 S. Eau Claire Ave., Madison, WI 53705
- Medford** (22); Sam Robbins, 512 E. Broadway, Medford, WI 54451
- Merrill** (10); NE. corner S-31, 3 mi. NW. of Merrill; Allen Rusch, 3342 Westview Lane, Madison, WI 53713
- Milwaukee** (73); Mary Donald, 6918 N. Belmont Lane, Milwaukee, WI 53517
- Nelson** (29); Charles Kemper, Box 699, Chippewa Falls, WI 54729
- Newburg** (68); Hwy. 33 3 mi. E. of Newburg; Charles Mayhew III, Riveredge Nature Center, 4438 W. Hawthorne Dr., Newburg, WI 53060
- New Richmond** (18); 2 mi. E. of Boardman; Peter Tweet; 507 Laurel Ave., Hudson, WI 54016
- Oconomowoc** (70); Edward Peartree, 36516 Lisbon Rd., Oconomowoc, WI 53066
- Oshkosh** (38); Jct. Hwys. 21 & 41; Thomas Ziebell, 1671-A Michigan St., Oshkosh, WI 54901
- Oxbo** (6); Jct. Hwys. 70 & EE, Maybelle Hardy, Rt. 1, Box 263, Park Falls, WI 54552
- Peshtigo** (12); Harmony Corners; Harold Lindberg, 311 Emery Ave., Peshtigo, WI 54157
- Plymouth** (48); Jct. Hwys. 23 & C; Harold Koopmann, 415 Caroline St., Plymouth, WI 53073
- Portage** (58); Hwy. 51 2½ mi. S. of Marquette Co.; W.D. Brown, 225 Lakeside St., Madison, WI 53715
- Poynette** (60); Jct. Hwys. 51 & CS; William Smith, Rt. 3, Box 82, Poynette, WI 53955.
- Racine** (75); 1 mi. SE. of Franksville; Edward Prins, 1238 Indiana St., Racine, WI 53405
- Randolph** (59); Hwy. P midway between Cambria and Randolph; Charles Gilmore, 246 N. High St., Randolph, WI 53956

Table 3: (Continued)

- Reedsburg (49);** Hwy. 33 1 mi. W. of Reedsburg; W.D. Brown, 225 W. Lakeside St., Madison, WI 53715
- Rhineland (9);** Jct. Stevens and Davenport Sts.; Guy C. David, Star Route 2, Box 980, Rhineland, WI 54501
- Richland Center (50);** Jct. Hwys. O & OO; Robert Hirschy, University of Wisconsin Center, Richland Center, WI 53581
- Sauk City (52);** 2 mi. SE. of Witwen; Kenneth Lange, Devil's Lake State Park, Baraboo, WI 53913
- Shawano (15);** Jct. Main & Green Bay Sts.; Arthur Schoff, 518 E. Lieg Ave., Shawano, WI 54166
- Shiocton (35);** Jct. Hwys. 54 & M; James Anderson, Mosquito Hill Nature Center, Rt. 1, New London, WI 54961
- Solon Springs (5);** Jct. Hwys. 53 & M; Bernard Klugow, Box 13, Brule, WI 54820
- Stevens Point (34);** Old Main on campus; John Simonis, 2508 Algoma St., Stevens Point, WI 54481
- Stockbridge (42);** Kloten Swamp; Richard Daun, Rt. 1, Box 102, Chilton, WI 53014
- Sturgeon Bay (14);** Sturgeon Bay; Adrian Freitag, 940 N. 3rd Ave., Sturgeon, Bay, WI 54235
- Sun Prairie (61);** Hwy. 151 3 mi. NE of Sun Prairie; W.D. Brown, 225 W. Lakeside St., Madison, WI 53715
- Waukesha (71);** Jct. Hwy. D & Brookhill Rd.; John Bielefeldt, 28809 Saylesville Rd., Waukesha, WI 53186
- Wausau (23);** Thomas St.; Mrs. David Bierbrauer, 1611 9th St., Wausau, WI 54401
- Wautoma (39);** Mount Morris; Delbert Greenman, Rt. 1, Box 263, Redgranite, WI 54970
- Willard (27);** 1 mi E., 1½ mi. S. of Willard; Sam Robbins, 512 E. Broadway, Medford, WI 54451
- Wisconsin Rapids (33);** Jct. Golf Course Rd. & Pepper Ave.; Dar Tiede, 3040 Eagle Rd., Wisconsin Rapids, WI 54494
- Woodland Dunes NW (44);** S-8 Franklin Township; Woodland Dunes Nature Center, P.O. Box 763, Manitowoc, WI 54220
- Woodland Dunes NE (45);** Jct. Hwys. V & B; Woodland Dunes Nature Center
- Woodland Dunes SW (46);** SE. quarter S-27 Eaton Township; Woodland Dunes Nature Center
- Woodland Dunes SE (47);** midway between S-15 & S-16 of Newton Township; Woodland Dunes Nature Center

Black Tern Survey Continues

The Black Tern monitoring program got off to a successful start last year, judging by the data collected, and the enthusiasm of the many cooperators. If this program is to fulfill its purpose as a long-term monitor of tern populations, the continued support of volunteers is essential.

In many counties sufficient information was collected in 1979 so that permanent roadside transects can be established this year. Based on the 1979 data, intensive study areas will also be established throughout the state in which nests and adult terns will be counted, and habitat conditions monitored regularly over a period of several years. For those counties which have not been sufficiently surveyed, observations from less standardized methods are still needed.

If you are interested in helping with either roadside or field surveys, please contact Michael Mossman, Bureau of Research, Department of Natural Resources, Box 7921, Madison, WI 53707 (608/267-7480).

Table 4: Details of the Counts.

Name of Count	Date	Hours		Sky	Snow (in)	Wind	Temp. °F		Feeders	Observers	Parties	Total Party Hours
		a.m.	p.m.				Low	High				
Appleton	D-22	6:00-5:00		Fog	0	SE 0-7	36	41	12	24	13	57
Arcadia	D-22	7:00-4:30		Heavy Fog	0	None	19	28	0	5	2	15
Arpin	D-20	7:00-4:30		PCL-Cloudy	0	H 5	25	31	2	3	1	7 ^{1/2}
Ashland	D-15	8:00-4:30		PCL-Cloudy	2	SW 7-NW 20	12	31	0	20	5	110
Baraboo		6:20-3:30		Fog	0	None	39	40	1	8	2	14
Bayfield	D-16	5:00-4:30		Fair	3	NW 8-10	-2	16	1	9	4	35
Beetown	D-22	7:00-5:20		Fog	0	SE	41	44	0	3	2	20
Beloit	D-16	7:00-4:30		Snow-Fair	tr	NW 15-25	9	16	1	20	8	42
Black River Falls	D-20	8:00-5:00		Fair	0	SW 0-5	17	45	17	6	5	84
Blanchardville	D-27	6:15-6:15		Cloudy-Fair	0	NW 5	24	32	0	2	1	12
Brule	D-15	5:00-8:00		Cloudy	3	SE 12-NW 10	18	30	6	5	3	18
Cadis Springs	J-1	6:30-4:00		Cloudy	0	NW 5-15	27	30	0	1	1	8
Caroline	D-27	6:00-4:00		PCL	0	NW 10-15	25	35	0	1	1	10
Cedar Grove	D-29	6:40-2:40		Fair	0	W 2-12	25	42	0	2	1	8
Chippewa Falls	D-29			Dense Fog	0	S 0-5	24	34	2	7	4	21 ^{1/2}
Cloverland	D-28	5:00-5:30		Fair	3	SW 3-5	18	34	3	4	2	21
Clyde	D-31	7:30-4:15		Fair	0	NW 0-10	18	27	1	4	1	8 ^{1/2}
Cookeville	J-1	7:00-5:00		Cloudy	tr	W 0-8	27	28	6	5	3	24
Dancy	D-20	7:00-4:00		Fair	0	S	27	38	0	15	3	18
Durand	D-15	7:30-4:30		Cloudy	0	WSW 10-25	32	40	0	13	5	36
Ellsworth	J-2	5:00-4:30		Cloudy	0	0-5	20	0	0	2	1	10
Ephraim	D-15	7:30-4:30		Cloudy	0	SW 15-25	24	34	61	15	7	21 ^{1/2}
Fifield	D-28	7:15-4:15		Fair	6	SW 0-3	10	34	9	6	6	24 ^{1/2}
Fond du Lac	E-15	7:00-4:00		PCL	0	WNW 15-25	20	28	0	13	5	37 ^{1/2}
Fort Atkinson	D-29	8:00-5:00		Fair	0	W 0-5	18	43	0	8	4	16
Fremont	D-26	6:00-4:30		Cloudy	0	NW 3-11	18	31	0	2	1	10 ^{1/2}
Grand Marsh	D-31	10:00-5:00		Fair	0	NW 0-5	25	39	0	3	1	7
Grantsburg	D-15	8:00-4:00		Cloudy	2	WNW	12	34	1	11	6	41 ^{1/2}
Green Bay	D-29	6:30-5:00		Fair	0	W 6-8	18	45	10	22	8	42
Hales Corners	D-16	5:00-4:00		MCL-PCL	1		5	38		19		46 ^{1/2}
Hartford	D-29	7:30-4:00		Fair	0	None	25	50	3	7	3	18
Holcombe	J-1	7:30-4:30		MCL-Cloudy	1	WNW 0-10	20	30	1	4	2	16
Horicon	D-15	7:30-4:30		PCL	0	SW 10-20	30	38	0	12	3	24
Hudson	J-1	5:45-4:30		Cloudy	1	W 10	25	26	8	12	4	25 ^{1/2}
Josel	D-20	5:00-5:00		Fair	1	SE 4-8	28	42	3	5	3	26
Kenosha	D-29	6:00-5:00		Fair	0	NW 0-2	26	50	5	15	6	42
LaCrosse	D-15	5:45-4:30		Fair-PCL	0	SW 10-25	32	47	0	20	8	52 ^{1/2}
Lake Geneva	D-30	7:00-4:30		Fair	0	None	24	32	0	18	6	52
Lakewood	D-31	7:15-4:30		PCL	tr	NW 5-10	17	34	0	1	1	8 ^{1/2}
Madison	E-15	2:00-5:00		PCL-MCL	0	SW 15-25	28	46	0	57	25	201 ^{1/2}
Madford	E-27	6:15-4:15		Light Fog	2	NW 5-8	18		1	11	4	30 ^{1/2}
Merrill	D-26	7:30-5:00		Cloudy	2	NW 0-8	21	30	0	1	1	9
Milwaukee	D-15	5:00-7:30		Fair	0	SW 15-26	29	43	10	51	27	147 ^{1/2}
Mount Horeb	D-29	7:30-4:30		Fair	0	S 5	38	45	28	23	12	49
Nelson	D-29	7:15-4:15		Fog-PCL	0	S 0-5	18	28	0	13	6	38
Newburg	D-22	5:00-5:00		Fog-Rain	0	None	40	45	11	39	21	137 ^{1/2}
New Richmond	D-15	7:30-4:00		Cl-PCL	1	SW-NW	24	32	0	9	4	27
Oconomowoc	D-23			Dense Fog	0	None	41	49	0	20	6	32 ^{1/2}
Oshkosh	D-15	7:00-4:30		PCL	0	SW 10-25	30	45	4	21	10	68
Orbe	D-16	8:00-4:30		Fair	3	NW 5	-10	2	4	8	5	12
Peshtigo	D-15	7:00-4:30		Cloudy	tr	SW-4	26	35	2	5	3	24
Plymouth	D-15	6:00-4:00		PCL	0	SW 15-25	25	43	12	13	8	38
Portage	D-23	8:30-3:30		Dense Fog	0	S 5	46	49	0	3	1	7
Poynette	D-22	7:00-		Cloudy	0	SE 0-5	32	34	8	3	2	8
Racine	E-15	6:00-5:30		Fair	0	S 10-30	30	44	12	15	6	52 ^{1/2}
Randolph	D-21	6:00-5:00		PCL-Cl	tr	SE 5-10	32	40	0	1	1	11
Reedsburg	D-25	9:00-4:00		Fair-MCL	0	N 15-E 5	27	37	0	1	1	7
Rhinelander	E-29	7:15-4:30		Fair	4	None	20	38	10	10	5	27
Richland Center	E-16	7:00-5:00		PCL-Fair	tr	NW 5-15	2	9	0	29	12	63
Sauk City	D-29	5:00-5:00		Fog-Fair	0	W 5	15	40	2	19	8	63 ^{1/2}
Shawano	D-15	8:00-11:00		Cloudy	1	SW 10-15	30	40	9	7	4	94
Shiocton	E-28	6:00-4:30		Fair	0	WSW 0-5	32	41	2	11	3	24 ^{1/2}
Solon Springs	E-17	6:00-5:00		Cloudy	2	W 2-3	-10	18	4	6	4	24
Stevens Point	D-15	6:00-4:00		Cloudy	0	S 0-15	25	30	0	28		62
Stockbridge	D-16	7:00-4:30		Fog-Fair	0	NW 5-25	15	20	0	6	6	24
Sturgeon Bay	D-31	8:00-3:45		Cloudy	0	None	20	40	0	1	1	7 ^{1/2}
Sun Prairie	E-30	9:00-5:00		Fair	0	NW 5	25	45	0	3	1	8
Waukesha	D-16	6:00-4:30		Snow-Fair	tr	NW 20-30	11	20	4	33	12	84
Wausau	E-16	7:00-5:00		Fair	1	NW 5-25	0	3	6	14	6	25
Wautoma	D-28	6:45-5:30		Fair	0	W 0-10	16	38	18	8	6	32 ^{1/2}
Willard	D-21	6:30-4:00		Cloudy	0	SE 5-10	28	40	0	4	1	9
Wisconsin Rapids	E-15	7:00-4:30		Cloudy	0	SE 3-7	22	40	3	8	5	29
Woodland Dunes NW	D-27	6:00-3:00		PCL	0	NW 5-10	25	35	1	3	2	16
Woodland Dunes NE	D-29	7:00-9:00		Fair	0	WSW 5-10	35	40	10	13	6	32
Woodland Dunes SW	D-15	6:00-4:00		PCL	0	SW 15-20	25	35	15	15	39	39
Woodland Dunes SW	D-22	6:00-5:30		Dense Fog	0	W 0-5	35	40	16	7	5	39 ^{1/2}