

Kansas Ornithological Society

BULLETIN

PUBLISHED QUARTERLY

Vol. 35

March 1984

No. 1

WINTER BIRD COUNT FOR 1983

John L. Zimmerman

Cold temperatures characterized the winter bird count in Kansas this year. Only ten percent of the counts were held on days when the mean count temperature was above freezing. On about one-third of the counts, the mean count temperature was below ten degrees and at Quivira and Camp Naish the mean was below zero! But the 32 counts held this year are a record high over the 35 year history of our publication of these lists. New counts were completed at St. John and Tribune, and Atchison reappeared in the compilation after a very long absence.

While the 135 species seen is the lowest total in five years, the well-documented Greater Yellowlegs at Wichita is new to the count list. The Western Screech-owl on the Sawyer count is new, but no supporting details were given. In spite of the weather, the 502 observers involved this year is exceeded only by last year's record 556, and four counts (Lawrence, Manhattan, Udall-Winfield, and Wichita) found more than eighty species of birds.

As has come to be expected, the Cimarron National Grasslands led all other counts in the number of unique species at six. Lawrence, Manhattan and Wichita each had three species not seen on any other count. Baxter Springs, Emporia, Hutchison, Junction City, Sawyer and Wilson Reservoir each had one unique species. If birds seen in the count period but not on count day are included, then Junction City picks up another unique species while Udall-Winfield and Kansas City each add one.

The drought of late summer and the early advent of winter this year resulted in food supplies being restricted. While not well-documented, starvation has had its effect. Many people have reported dead birds. On the Baxter Springs count, Jim Rising picked up a dying Western Meadowlark with "virtually no breast muscle", which weighed a scant 69 grams. Most of us have watched the slow reestablishment of Carolina Wrens in eastern Kansas from their near extirpation in the state after the winter of 1976-1977. We can agree with Steve Kingswood, ". . . the last Carolina Wren I saw on a Pomona count was in 1978. However, my excitement quickly changed to sadness as I felt that this bird would not survive the winter . . . will it be another five years before I see another Carolina Wren?" Besides Pomona, Carolina Wrens occurred on only three other counts this winter.

Fruit-eating birds were noticeably reduced across the state. Yellow-rumped Warblers were found on just three counts while the numbers of robins were way below normal numbers on most counts. Sparrows showed some interesting contrasts. Field Sparrows were missing on many counts, and their numbers were low on others. Song Sparrow numbers were generally low. American Tree Sparrows, on the other hand, were abundant. Eleven counts had over a thousand birds, and the 12,092 tree sparrows at Emporia must assuredly be an all-time national high that I suspect will not be exceeded within my lifetime! If my experience on the Junction City count can be generalized, it is not so much a fact that the numbers of tree sparrows are actually higher in Kansas this winter, but that they are more localized, being especially concentrated in unharvested milo fields. Perhaps a quote from Byron Walker's news release to the Kingman Journal — Leader Courier says it bet-

ter, "With the snow and extreme cold it became apparent how important the maize stubble, weedy ditches and farmer's feedlots were to our songbirds. The farmer may feed 26 Americans plus his family but he also feeds thousands of our songbirds . . . we found large concentrations of birds in the farmer's feedlots, stubble fields and roadside ditches." Again, the general paucity of food has had its effect.

In spite of the early and harsh winter weather before the count period, there was a surprising number of species that lingered further north than usual — both Eared and Horned Grebes, American White Pelican, five species of more southerly-wintering waterfowl, three species of sandpipers besides the snipe, Marsh Wren, Hermit Thrush, Brown Thrashers on eight counts, Vesper Sparrow, and as Max Thompson writes, "Savannah Sparrows are turning up so often that I no longer consider them that unusual in winter". Savannah Sparrows were present on six counts this winter.

There were six Peregrine Falcons seen on Kansas counts this winter, all of them in the northeastern region of the state. Prairie Falcons occurred on 16 counts, with over a third of these in the eastern half of the state. Perhaps they had followed the Horned Larks which were considerably more abundant this year in eastern Kansas. This was a siskin and Red-breasted Nuthatch winter, but I suspect that the Baldwin, Linn County and Emporia groups will remember it as the year of the Snow Buntings. I will remember it as the year in which there was a definite increase in good documentation of less frequently observed species by compilers. Thank you.

And one last comment from Scott Seltman in Nekoma, "As near as I can tell, only 143 people live in this count circle . . . shelterbelts are few and sparse, there is no running stream, and most farm ponds are shallow and frozen". But where else could one person count 12,380 Lapland Longspurs!

Arkansas City. 37° 02' N, 97° 02' W. Center intersection U.S. 77 and Arkansas River. Habitat coverage: cultivated fields 40%, riparian forest 35%, grassland 20%, residential areas 5%. December 26, 1983. 8:00 a.m. to 5:00 p.m.; 15°F all day; wind SW, 10 - 20 m.p.h.; 2 - 5" snow cover; heavy snow A.M., intermittent snow P.M. Twelve observers in 5 parties. Total party-hours 20 (6 on foot, 14 by car) plus 1 hr. owling. Total party-miles 145 (12 on foot, 133 by car) and 5 miles owling.

Great Blue Heron 3; Mallard 167; Northern Harrier 18; Cooper's Hawk 1; Red-tailed Hawk 40; Rough-legged Hawk 3; American Kestrel 2; Prairie Falcon 1; Northern Bobwhite 12; Common Snipe 1; Rock Dove 17; Mourning Dove 6; Great Horned Owl 3; Barred Owl 2; Red-bellied Woodpecker 13; Yellow-bellied Sapsucker 3; Downy Woodpecker 34; Hairy Woodpecker 3; Northern (Yellow-shafted) Flicker 17; Northern (Red-shafted) Flicker 2; Northern Flicker ssp. 10; Pileated Woodpecker 1; Horned Lark 948; Blue Jay 44; American Crow 78; Carolina Chickadee 55; Tufted Titmouse 25; Red-breasted Nuthatch 1; White-breasted Nuthatch 8; Brown Creeper 1; Eastern Bluebird 2; American Robin 21; Northern Mockingbird 1; Loggerhead Shrike 1; European Starling 135; Northern Cardinal 163; Rufous-sided Towhee 2; American Tree Sparrow 650; Song Sparrow 21; White-crowned Sparrow 38; Harris' Sparrow 706; Dark-eyed (Slate-colored) Junco 1079; Dark-eyed (Oregon) Junco 9; Lapland Longspur 1950; Red-winged Blackbird 408; *Sturnella* sp. 173; Rusty Blackbird 1000, Brewer's Blackbird 1; Brown-headed Cowbird 304; Pine Siskin 4; American Goldfinch 126; House Sparrow 180. Total 49 species (2 additional subspecies), about 8493 individuals. Seen in area during count period, but not on count day - Canada Goose, Bald Eagle, Ring-necked Pheasant, Carolina Wren, Cedar Waxwing.

John, Philip, Richard and Walker Butin, Wallace Champeny, Dan Kilby, Mike Lesan, David Seibel, Scott Stanley, Donald Vanoy (compiler - 2458 Coolidge, Wichita, KS 67204), Dale Virden, Gerald Wilson.

Atchison. 39° 34' N, 95° 08' W. Center U.S. 59 at the Kansas - Missouri state line (middle of the Missouri River). Habitat coverage: 42% cultivated fields, 30% upland deciduous

forest, 9% residential areas, 9% lakes and rivers, 4% marsh, 2% riparian forest, 2% oldfields and fencerows, 2% grassland. December 17, 1983. 7:00 a.m. to 5:00 p.m.; 5°F to 12°F; wind NW, 0 - 15 m.p.h.; river partly open all other waters frozen, 1 - 6" snow cover, overcast, sleet by noon, snowstorm by sunset. Seventeen observers in 5 parties. Total party-hours 15 (1 on foot, 14 by car) plus 0.5 hrs. owling and 2 hrs. at feeders. Total party-miles 153 (3 on foot, 150 by car) and 2 miles owling.

Snow Goose (white morph) 1090; Snow Goose (blue morph) 490; Mallard 3; Lesser Scaup 1; Common Merganser 3; Bald Eagle 2; Northern Harrier 3; Red-tailed Hawk 10; Rough-legged Hawk 1; American Kestrel 14; Peregrine Falcon 1 (excellent details - Ed.); Ring-necked Pheasant 7; Northern Bobwhite 39; Rock Dove 94; Mourning Dove 13; Red-headed Woodpecker 5; Red-bellied Woodpecker 14; Yellow-bellied Sapsucker 1; Downy Woodpecker 15; Northern (Yellow-shafted) Flicker 8; Horned Lark 205; Blue Jay 29; American Crow 24; Black-capped Chickadee 51; Tufted Titmouse 3; Red-breasted Nuthatch 6; White-breasted Nuthatch 1; Winter Wren 2; Brown Thrasher 1; Loggerhead Shrike 1; European Starling 1037; Northern Cardinal 119; Rufous-sided Towhee 1; American Tree Sparrow 426; Fox Sparrow 10; Song Sparrow 34; White-throated Sparrow 1; White-crowned Sparrow 13; Harris' Sparrow 35; Dark-eyed (Slate-colored) Junco 540; Red-winged Blackbird 490; *Sturnella* sp. 127; Brewer's Blackbird 271; Common Grackle 1; Brown-headed Cowbird 21; Purple Finch 1; Pine Siskin 30; American Goldfinch 79; House Sparrow 348. Total 49 species, about 5721 individuals. Seen in area during count period, but not on count day - Canada Goose, Brown Creeper, Cedar Waxwing.

Joseph Barberis, Daniel Bowen (compiler - Biology Dept., North Campus, Benedictine College, Atchison, KS 66002), Janean Bowen, Joseph Brom, Jill Copeland, William Frank, Richard Hourigan, Thomas Kemlage, Ruth Kimmi, Philip Klump, Michael Knott, Ronald Lehman, Jay Ohmes, Joyce Reese, Douglas Shevelin, Helen Volk, Richard Wittman.

Baldwin. 32° 47' N, 95° 16' W. Center junction highways 56 and 59. Habitat coverage as described in 1981. December 31, 1983. 6:00 a.m. to 5:30 p.m.; 18°F to 33°F; wind S, 15 - 20 m.p.h.; snow cover 8 - 10"; water frozen; clear A.M., mostly cloudy P.M. Twenty-three observers in 9 parties and four observers at feeders. Total party-hours 49 (13 on foot, 36 by car) plus 2.25 hrs. owling and 16 hrs. at feeders. Total party-miles 485 (17 on foot, 468 by car) and 17 miles owling.

Mallard 700; Gadwall 1; Northern Harrier 4; Sharp-shinned Hawk 4; Cooper's Hawk 1; Northern Goshawk 1 (no details - Ed.); *Accipiter* sp. 1; Red-tailed Hawk 60; Red-tailed (Harlan's) Hawk 1; Rough-legged Hawk 5; *Buteo* sp. 1; American Kestrel 24; Northern Bobwhite 81; Rock Dove 144; Mourning Dove 27; Eastern Screech-owl 1; Great Horned Owl 6; Barred Owl 2; Red-headed Woodpecker 10; Red-bellied Woodpecker 27; Yellow-bellied Sapsucker 1; Downy Woodpecker 34; Hairy Woodpecker 10; Northern (Yellow-shafted) Flicker 18; Northern (Red-shafted) Flicker 1; Horned Lark 1228; Blue Jay 240; American Crow 513; Black-capped Chickadee 285; Tufted Titmouse 42; Red-breasted Nuthatch 2; White-breasted Nuthatch 25; Eastern Bluebird 12; American Robin 63; Northern Mockingbird 1; Cedar Waxwing 277; Loggerhead Shrike 10; European Starling 1414; Northern Cardinal 645; Rufous-sided Towhee 1; American Tree Sparrow 4200; Savannah Sparrow 1; Fox Sparrow 4; Song Sparrow 19; Swamp Sparrow 1; White-throated Sparrow 3; White-crowned Sparrow 51; Harris' Sparrow 143; Dark-eyed (Slate-colored) Junco 2010; Dark-eyed (Oregon) Junco 9; McCown's Longspur 1 (excellent details - Ed.); Lapland Longspur 4; Snow Bunting 1 (excellent details - Ed.); Red-winged Blackbird 180; *Sturnella* sp. 280; Rusty Blackbird 2; Brewer's Blackbird 1; Common Grackle 1; Brown-headed Cowbird 11; Purple Finch 43; Pine Siskin 98; American Goldfinch 447; House Sparrow 2164. Total 58 species (3 additional subspecies), about 15,597 individuals.

Amelia Betts, Margaret Boyd, Roger Boyd (compiler - 905 King, Baldwin, KS 66006), John, Johnnie, and S. Martin Brockway, T. A. Church, Calvin Cink, Partick Clark, Steve Crawford, Lois Cromwell, Debbie and Tim Dinneen, Ruth Fauhl, Faye Heckman, Daphne

Johnston, Katharine Kelley, Marno McKaughan, Becky McMillan, Barbara and Martin Pressgrove, Mary Seers, Bill Stark, Joyce and Ronald Wolf, and John and Linda Zempel (Baldwin Bird Club).

Baxter Springs. 37° 10' N, 94° 50' W. Center Riverton. Habitat coverage: riparian forest 35%, cultivated fields 20%, oldfields and fencerows 20%, lakes and rivers 5%, marsh 5%, swamp 5%, upland deciduous forest 4%, grassland 3%, residential areas 2%, coniferous stands 1%. December 27, 1983. 7:30 a.m. to 5:00 p.m.; 18°F to 20°F; wind NW, 0 - 15 m.p.h.; waters partly open; snow cover 6 - 8", partly cloudy. Three observers in 1 party. Total party-hours 9.5 (8.5 on foot, 1 by car). Total party-miles 25 (8 on foot, 17 by car).

Great Blue Heron 7; Mallard 37; Common Goldeneye 13; Bufflehead 2; Common Merganser 7; Bald Eagle 2; Northern Harrier 3; Red-shouldered Hawk 1; Red-tailed Hawk 6; Red-tailed (Harlan's) Hawk 1; American Kestrel 5; Rock Dove 80; Mourning Dove 17; Barred Owl 1; Belted Kingfisher 2; Red-headed Woodpecker 10; Red-bellied Woodpecker 16; Downy Woodpecker 8; Hairy Woodpecker 4; Northern (Yellow-shafted) Flicker 8; Northern (Red-shafted) Flicker 1; Pileated Woodpecker 1; Horned Lark 24; Blue Jay 64; American Crow 25; Carolina Chickadee 61; Tufted Titmouse 15; Red-breasted Nuthatch 2; White-breasted Nuthatch 3; Winter Wren 1; Golden-crowned Kinglet 1; American Robin 1; Northern Mockingbird 2; Cedar Waxwing 20; Loggerhead Shrike 3; European Starling 176; Northern Cardinal 90; American Tree Sparrow 43; Field Sparrow 2; Fox Sparrow 1; Song Sparrow 55; Swamp Sparrow 12; White-throated Sparrow 19; White-crowned Sparrow 12; Harris' Sparrow 6; Dark-eyed (Slate-colored) Junco 154; Dark-eyed (Oregon) Junco 6; Red-winged Blackbird 43; Eastern Meadowlark 1; Western Meadowlark 3; *Sturnella* sp. 200; Rusty Blackbird 43; Common Grackle 8; Brown-headed Cowbird 4; Purple Finch 6; Pine Siskin 3; American Goldfinch 45; House Sparrow 25. Total 54 species (3 additional subspecies); about 1411 individuals.

David, James (compiler - Dept. Zoology, Univ. Toronto, Toronto, Ont., Canada M5S 1A1) and Trudy Rising.

Camp Naish. 39° 04' N, 94° 52' W. Center corner of sections 21, 22, 27 and 28, T11S, R23E Wyandotte County. Habitat coverage: riparian forest 45%, upland deciduous forest 35%, oldfields and fencerows 10%, grassland 5%, swamp 3%, lakes and rivers 1%, residential areas 1%. December 23, 1983. 6:30 a.m. to 4:00 p.m.; -10°F to -6°F; wind N, about 6 m.p.h., water 99% frozen, 12" of snow cover; overcast; light snow during A.M. Four observers in 2 parties. Total party-hours 9 (8 on foot, 1 by car) plus 0.5 hrs owling and 0.25 hrs. at feeders. Total party-miles 17 (15 on foot, 2 by car) and 0.5 miles owling.

Red-tailed Hawk 1; Northern Bobwhite 19; Barred Owl 1; Red-bellied Woodpecker 8; Downy Woodpecker 15; Blue Jay 19; American Crow 6; Black-capped Chickadee 34; Tufted Titmouse 23; White-breasted Nuthatch 4; European Starling 55; Northern Cardinal 13; American Tree Sparrow 25; Song Sparrow 1; Harris' Sparrow 1; Dark-eyed (Slate-colored) Junco 77; Purple Finch 10; Pine Siskin 4; American Goldfinch 17. Total 19 species, about 333 individuals.

Bryon Berger, Ed Hubert, Marty Mills, Stan Roth (compiler - Lawrence High School, Lawrence, KS 66044).

Cimarron National Grassland. 37° 07' N, 101° 52' W. Center 7 miles N, 2 miles E of Elkhart, Ks. Habitat coverage: grassland 30%, riparian woodland 30%, residential areas 15%, cultivated fields 10%, rocky slopes 10%, ponds 5%. December 31, 1983. 7:30 a.m. to 7:30 p.m.; 19°F to 40° F; wind S to SW, 6 - 8 m.p.h.; waters mostly frozen, A.M. mostly clear, P.M. partly cloudy. Nine observers in 4 parties. Total party-hours 41 (22.5 on foot, 18.5 by car) plus 1.5 hrs. owling. Total party-miles 417 (24 on foot, 393 by car) plus 14 miles owling.

Canada Goose 15; Mallard 6; Bald Eagle 3; Northern Harrier 24; Cooper's Hawk 1; Red-tailed Hawk 21; Ferruginous Hawk 21; Rough-legged hawk 16; *Buteo* sp. 1; Golden Eagle 2; American Kestrel 8; Merlin 2; Prairie Falcon 7; Ring-necked Pheasant 80; Lesser Prairie-chicken 3; Northern Bobwhite 59; Scaled Quail 67; Rock Dove 87; Mourning Dove 40; Common Barn Owl 1; Eastern Screech-owl 4; Great Horned Owl 17; Short-eared Owl 1; Ladder-backed Woodpecker 1 (excellent details - Ed.); Downy Woodpecker 6; Hairy Woodpecker 5; Northern (Yellow-shafted) Flicker 6; Northern (Red-shafted) Flicker 13; Northern Flicker ssp. 6; Horned Lark 6304; Black-billed Magpie 103; American Crow 39; Red-breasted Nuthatch 3; White-breasted Nuthatch 1; Marsh Wren 1; Golden-crowned Kinglet 1; Townsend's Solitaire 1; American Robin 17; Northern Mockingbird 1; Curve-billed Thrasher 1 (excellent details - Ed.); Loggerhead Shrike 7; European Starling 310; American Tree Sparrow 897; Lark Bunting 87; Song Sparrow 7; White-crowned Sparrow 134; Harris' Sparrow 7; Dark-eyed (Slate-colored) Junco 39; Dark-eyed (Oregon) Junco 31; Dark-eyed Junco ssp. 23; Lapland Longspur 380; Chestnut-collared Longspur 7; *Calcarius* sp. 6; Red-winged Blackbird 7; Western Meadowlark 470; House Finch 50; Pine Siskin 243; American Goldfinch 20; House Sparrow 2078. Total 53 species (2 additional subspecies), about 11,797 individuals. Seen in area during count period, but not on count day - Sharp-shinned Hawk, Northern Cardinal.

Dave Bryan, Wallace Champeny, Nanette Johnson, David Holmes, Sebastian Patti (compiler - 727 W. Irving Park, #3, Chicago, IL 60613), Scott Seltman, Max Thompson, Don and Frances Vannoy.

Elk City Reservoir. 37° 15' N, 95° 51' W. Center Card Creek 7 miles west Independence, Ks. Habitat coverage: cultivated fields 40%, lakes and rivers 30%, oldfields and fencerows 20%, upland deciduous forest 10%. January 2, 1984. 7:30 a.m. to 4:30 p.m.; 26°F to 45°F; wind S - SW, 2 - 5 m.p.h.; waters frozen; 0 - 3" snow cover; A.M. fog, then clearing, P.M. clear. Five observers in 2 parties. Total party-hours 16 (2.5 on foot, 13.5 by car). Total party-miles 100 (3 on foot, 97 by car).

Double-crested Cormorant 200; Greater White-fronted Goose 100; Snow Goose (white morph) 7500; Snow Goose (blue morph) 500; Canada Goose 1200; Mallard 12,000; Gadwall 1000; American Wigeon 1000; Lesser Scaup 500; Bald Eagle 4; Northern Harrier 16; Sharp-shinned Hawk 2; Red-tailed Hawk 54; Rough-legged Hawk 9; American Kestrel 14; Northern Bobwhite 27; Rock Dove 16; Mourning Dove 1; Red-bellied Woodpecker 10; Downy Woodpecker 10; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 7; Northern (Red-shafted) Flicker 1; Horned Lark 6; Blue Jay 37; American Crow 133; Black-capped Chickadee 25; Tufted Titmouse 2; White-breasted Nuthatch 4; Eastern Bluebird 8; American Robin 21; Northern Mockingbird 1; Cedar Waxwing 31; Loggerhead Shrike 3; European Starling 113; Northern Cardinal 66; American Tree Sparrow 224; Field Sparrow 1; Fox Sparrow 1; Song Sparrow 20; White-throated Sparrow 16; White-crowned Sparrow 119; Harris' Sparrow 177; Dark-eyed Junco ssp. 161; Lapland Longspur 30; Red-winged Blackbird 2015; *Sturnella* sp. 87; Brewer's Blackbird 101; Common Grackle 53; American Goldfinch 30; House Sparrow 73. Total 49 species (1 additional subspecies), about 27,730 individuals. Seen in area during count period, but not on count day - Wild Turkey.

Hilbert and Sylvia Albright, Larry Herbert, Joe (compiler - RR1, Longton, KS 67352) and Licia Nichols.

Emporia. 38° 27' N, 96° 05' W. Center 1 mile S of Lang, Ks. Habitat coverage: riparian forest 55%, grassland 20%, residential areas 8%, cultivated fields 5%, oldfields and fencerows 5%, lakes and rivers 3%, upland deciduous forest 2%, coniferous stands 1%, marsh 1%. December 18, 1983. 7:00 a.m. to 7:30 p.m.; -2°F to 7°F; wind NW, 5 - 20 m.p.h.; 2" snow cover; lakes frozen, floating ice in rivers. Twenty observers in 10 parties. Total party-hours 108 (33 on foot, 75 by car) plus 2 hrs. owling and 8 hrs. at feeders. Total party-miles 541 (41 on foot, 410 by car) and 2 miles owling.

Tundra Swan 4; Great Blue Heron 1; Canada Goose 38; Mallard 7267; Lesser Scaup 2; Northern Harrier 50; Cooper's Hawk 2; Northern Goshawk 1 (excellent details - Ed.); Red-tailed Hawk 27; Rough-legged Hawk 1; American Kestrel 11; Peregrine Falcon 1 (excellent details - Ed.); Prairie Falcon 1; Ring-necked Pheasant 1; Greater Prairie-chicken 71; Northern Bobwhite 137; Killdeer 3; Ring-billed Gull 2; Rock Dove 36; Mourning Dove 55; Great Horned Owl 5; Barred Owl 2; Belted Kingfisher 3; Red-headed Woodpecker 6; Red-bellied Woodpecker 58; Yellow-bellied Sapsucker 8; Downy Woodpecker 68; Hairy Woodpecker 22; Northern (Yellow-shafted) Flicker 49; Northern (Red-shafted) Flicker 3; Horned Lark 5330; Blue Jay 148; American Crow 181; Black-capped Chickadee 403; Tufted Titmouse 65; Red-breasted Nuthatch 7; White-breasted Nuthatch 30; Brown Creeper 15; Carolina Wren 2; Golden-crowned Kinglet 13; Eastern Bluebird 9; American Robin 40; Northern Mockingbird 6; Brown Thrasher 1; Cedar Waxwing 12; Loggerhead Shrike 10; European Starling 5783; Northern Cardinal 298; Rufous-sided Towhee 5; American Tree Sparrow 12,092; Field Sparrow 20; Song Sparrow 35; Lincoln's Sparrow 3; White-throated Sparrow 10; White-crowned Sparrow 3; Harris' Sparrow 1177; Dark-eyed (Slate-colored) Junco 2404; Dark-eyed (Oregon) Junco 8; Lapland Longspur 2320; Red-winged Blackbird 3854; Eastern Meadowlark 155; *Sturnella* sp. 13; Rusty Blackbird 276; Brewer's Blackbird 105; Common Grackle 7; Brown-headed Cowbird 10; Purple Finch 2; Pine Siskin 130; American Goldfinch 421; House Sparrow 1609. Total 67 species (2 additional subspecies), about 44,947 individuals. Seen in area during count period, but not on count day - Pileated Woodpecker, Eastern Screech-owl, Short-eared Owl, Snow Bunting.

Jay Barber, David and Roger Blew, Cynthia and Mark Crane, David Edwards, Mary Headrick, Larry Herbert, Marvin Kuehn, Dorothy and Lester Laird, Paul Milks, John Parrish, Don Patton, James Ptacek, Tod Reeder, Margaret Schulenberg, Marvin Schwilling (compiler - 1407 College Dr., Emporia, KS 66801), Kathleen Tabor, Daniel Williamson.

Halstead-Newton. 38° 04' N, 97° 28' W. Center 5.75 miles NE of Halstead, Ks. Habitat coverage: cultivated fields 50%, riparian woodland 15%, upland deciduous forest 12%, oldfields and fencerows 8%, grassland 6%, residential areas 5%, lakes and rivers 3%, marsh 1%. December 17, 1983. 7:15 a.m. to 5:30 p.m.; 23°F to 8°F; wind N, 15 - 20 m.p.h.; water partly frozen; no snow cover; overcast with intermittent light snow. Twenty-seven observers in 7 parties. Total party-hours 61 (35 on foot, 26 by car) and 10 hrs. at feeders. Total party-miles 333.5 (35.5 on foot, 298 by car).

Great Blue Heron 2; Canada Goose 255; Mallard 157; Gadwall 7; Common Merganser 1; Northern Harrier 34; Sharp-shinned Hawk 4; Red-tailed Hawk 30; Rough-legged Hawk 2; American Kestrel 19; Prairie Falcon 3; Ring-necked Pheasant 100; Northern Bobwhite 76; Killdeer 10; Common Snipe 13; Rock Dove 363; Mourning Dove 4; Eastern Screech-owl 1; Great Horned Owl 16; Belted Kingfisher 2; Red-bellied Woodpecker 23; Yellow-bellied Sapsucker 1; Downy Woodpecker 43; Hairy Woodpecker 6; Northern (Yellow-shafted) Flicker 8; Northern (Red-shafted) Flicker 5; Northern Flicker ssp. 15; Horned Lark 1759; Blue Jay 145; American Crow 376; Black-capped Chickadee 328; Tufted Titmouse 9; Red-breasted Nuthatch 1; White-breasted Nuthatch 13; Brown Creeper 9; Winter Wren 1; Golden-crowned Kinglet 17; American Robin 33; Northern Mockingbird 1; Loggerhead Shrike 2; European Starling 1602; Northern Cardinal 130; Rufous-sided Towhee 22; American Tree Sparrow 1470; Field Sparrow 12; Fox Sparrow 1; Song Sparrow 41; Harris' Sparrow 1119; Dark-eyed (Slate-colored) Junco 367; Dark-eyed (Oregon) Junco 11; Lapland Longspur 1287; Red-winged Blackbird 6269; *Sturnella* sp. 505; Common Grackle 36; Brown-headed Cowbird 3; Pine Siskin 38; American Goldfinch 245; House Sparrow 569. Total 55 species (2 additional subspecies), about 17,621 individuals. Seen in area during count period, but not on count day - Bald Eagle, White-throated Sparrow.

Bud Akin, Steve Capel, Victor Claassen, Beulah Day, Barbara Duerksen, Paul Ediger, Rose Fritz, Jennifer Hiebert, Paul G. Jantzen, Peter Janzen, John and Susie Lohrentz, Mark Matthies, Sean Miller, Jay Newton (compiler - 8 Tenth Street Court, Newton, KS 67114),

Norman Pankratz, Wesley Pauls, Dwight Platt, Bob Regier, Richard Schmidt, John Torline, Nada Voth, Bob and Steve Waltner, David and Linda Wetta, Joe Yoder.

Hays. 38° 47' N, 99° 23' W. Center 3.5 miles S, 4 miles W of Hays. Habitat coverage: residential areas 50%, riparian woodland 15%, lakes and rivers 10%, oldfields and fencerows 10%, grassland 10%, cultivated fields 5%. December 31, 1983. 8:00 a.m. to 5:30 p.m.; 23°F to 30°F; wind S - SW, 5 - 10 m.p.h.; 0 - 8" snow cover, water mostly frozen, partly cloudy. Nine observers in 4 parties. Total party-hours 20 (12 on foot, 8 by car) plus 1 hrs. owling and 8 hrs. at feeders. Total party-miles 220 (8 on foot, 212 by car) and 0 miles owling.

Canada Goose 150; Mallard 17; Bald Eagle 2; Red-tailed Hawk 19; Ferruginous Hawk 3; Rough-legged Hawk 9; *Buteo* sp. 3; American Kestrel 10; Prairie Falcon 3; Ring-necked Pheasant 141; Northern Bobwhite 4; Rock Dove 580; Eastern Screech-owl 1; Great Horned Owl 4; Red-bellied Woodpecker 9; Downy Woodpecker 12; Hairy Woodpecker 5; Northern (Red-shafted) Flicker 1; Northern Flicker ssp. 1; Horned Lark 2461; Blue Jay 2; Black-billed Magpie 8; American Crow 74; Black-capped Chickadee 39; White-breasted Nuthatch 3; Brown Creeper 5; American Robin 99; Cedar Waxwing 30; European Starling 2881; Northern Cardinal 14; Rufous-sided Towhee 2; American Tree Sparrow 110; Song Sparrow 3; White-crowned Sparrow 1; Harris' Sparrow 41; Dark-eyed (Slate-colored) Junco 75; Dark-eyed (Oregon) Junco 2; Dark-eyed Junco ssp. 11; Lapland Longspur 77; Red-winged Blackbird 159; Western Meadowlark 120; Rusty Blackbird 4; House Finch 74; Pine Siskin 1; American Goldfinch 16; House Sparrow 1181. Total 42 species (1 additional subspecies), about 8467 individuals. Seen in area during count period, but not on count day - Yellow-bellied Sapsucker, Northern Mockingbird.

Earl Carlson, David Carter, Donna Cooper (compiler - 2906 Walnut, Hays, KS 67601), Geneva Dies, Charles Ely, Katherine Mermis, Marvin Rolfs, Annie Laurie Steele, Dean Stramel.

Hillsdale Reservoir. 38° 37' N, 94° 52' W. Center 2.5 miles W and 1 mile N of intersection of highways 169 and 68 near Paola, Ks. Habitat coverage: riparian forest 45%, cultivated fields 20%, lakes and rivers 20%, oldfields and fencerows 5%, swamp 5%, grassland 2%, coniferous stands 1%, residential areas 1%, marsh 1%. January 7, 1984. 7:30 a.m. to 4:00 p.m.; 32°F to 50°F; wind N, 3 - 5 m.p.h.; all waters frozen, 40% snow cover; partly cloudy. Fourteen observers in 4 parties. Total party-hours 23 (10 on foot, 13 by car) and 8 hrs. at feeders. Total party-miles 175 (12 on foot, 163 by car).

Snow Goose (white morph) 68; Snow Goose (blue morph) 37; Canada Goose 178; Mallard 345; Common Merganser 30; Bald Eagle 3; Northern Harrier 7; Red-tailed Hawk 49; Red-tailed (Harlan's) Hawk 1; Rough-legged Hawk 1; *Buteo* sp. 4; American Kestrel 17; Merlin 1; Northern Bobwhite 37; Rock Dove 7; Mourning Dove 23; Great Horned Owl 2; Red-bellied Woodpecker 26; Yellow-bellied Sapsucker 1; Downy Woodpecker 15; Hairy Woodpecker 12; Northern (Yellow-shafted) Flicker 4; Northern Flicker ssp. 8; Horned Lark 12; Blue Jay 45; American Crow 82; Black-capped Chickadee 95; Tufted Titmouse 28; White-breasted Nuthatch 17; Brown Creeper 1; Eastern Bluebird 11; American Robin 9; Cedar Waxwing 30; Loggerhead Shrike 1; European Starling 72; Northern Cardinal 144; American Tree Sparrow 604; Field Sparrow 2; Song Sparrow 3; White-crowned Sparrow 36; Harris' Sparrow 16; Dark-eyed (Slate-colored) Junco 117; Red-winged Blackbird 1271; Eastern Meadowlark 31; Rusty Blackbird 1; Common Grackle 15; House Finch 1 (no details - Ed.); Pine Siskin 24; American Goldfinch 20; House Sparrow 101. Total 48 species (1 additional subspecies), about 3665 individuals.

Mary Brown, Charles Christian, Mark Crane, Dave Green, Bob Harrington, Barb Kid-doo (compiler - U.S. Army Corps Engineers, Hillsdale Reservoir, Rt. 3, Paola, KS 66071), Chris and Larry Kramer, Dave Rhoades, Isabel Rohrer, Marvin Schwilling, Jon Standing, Bunnie Watkins, Dan Williamson.

Hutchinson. No area description provided. December 17, 1983. Twenty observers. Number of parties unknown. No party-hours or party-miles provided.

Great Blue Heron 6; Snow Goose (undifferentiated) 2; Canada Goose 3746; Mallard 4160; American Wigeon 1; Common Goldeneye 12; Common Merganser 1; Bald Eagle 5; Northern Harrier 34; Sharp-shinned Hawk 1; Red-tailed Hawk 36; Rough-legged Hawk 3; *Buteo* sp. 1; Golden Eagle 1; American Kestrel 19; Prairie Falcon 2; Ring-necked Pheasant 26; Northern Bobwhite 1; Killdeer 11; Semipalmated Sandpiper 1 (no details - Ed.); Common Snipe 8; Ring-billed Gull 20; Rock Dove 107; Mourning Dove 50; Great Horned Owl 13; Belted Kingfisher 1; Red-bellied Woodpecker 4; Downy Woodpecker 25; Hairy Woodpecker 6; Northern (Yellow-shafted) Flicker 50; Northern (Red-shafted) Flicker 2; Horned Lark 1769; Blue Jay 103; American Crow 3832; Black-capped Chickadee 397; Tufted Titmouse 1; White-breasted Nuthatch 1; Brown Creeper 1; Golden-crowned Kinglet 6; American Robin 88; Northern Mockingbird 2; Brown Thrasher 1; European Starling 1487; Northern Cardinal 57; Rufous-sided Towhee 4; American Tree Sparrow 4991; Song Sparrow 22; White-crowned Sparrow 1; Harris' Sparrow 1561; Dark-eyed Junco ssp. 2137; Lapland Longspur 27; Chestnut-collared Longspur 23; *Calcarius* sp. 302; Red-winged Blackbird 2812; *Sturnella* sp. 981; Rusty Blackbird 39; Common Grackle 1; Brown-headed Cowbird 106; Pine Siskin 25; American Goldfinch 48; House Sparrow 1518. Total 58 species (1 additional subspecies), about 30,698 individuals.

Gary Blevins, Randy and Mary Clark (compiler - 1207 E. 56th, Hutchinson, KS 67502), Lorena Combs, Louise Davis, Rich Duerksen, Dan Dyck, Edward and Jennifer Dyck, Harry and Sharron Gregory, Allen Hirst, Marilyn Mitchell, Bill Rogers, Kathie and Mark Rogers, Jim Smith, Laurie Summers, Byron and June Walker.

Junction City. 39° 00' N, 96° 53' W. Center I70 roadside park SW Junction City, Ks. Habitat coverage: grassland 30%, cultivated fields 20%, oilfields and fencerows 15%, coniferous stands 10%, riparian forest 10%, lakes and rivers 7%, upland deciduous forest 5%, marsh 2%, residential areas 1%. January 2, 1984. 3:00 a.m. to 6:00 p.m., 16°F to 35°F; wind S, 0 - 5 m.p.h.; water 95% frozen, snow cover 8", clear. Twenty-three observers in 7 parties. Total party-hours 60 (31 on foot, 29 by car) plus 3 hrs. owling and 1 hr. at feeders. Total party-miles 355 (30 on foot, 325 by car) and 20 miles owling.

Great Blue Heron 5; Canada Goose 630; Mallard 15,321; Gadwall 3; Common Goldeneye 42; Common Merganser 21; Bald Eagle 10; Northern Harrier 4; Sharp-shinned Hawk 7; Cooper's Hawk 2; Red-tailed Hawk 54; Red-tailed (Harlan's) Hawk 2; Rough-legged Hawk 2; American Kestrel 18; Merlin 1; Peregrine Falcon 1 (excellent details - Ed.); Prairie Falcon 1; Ring-necked Pheasant 53; Greater Prairie-chicken 35; Northern Bobwhite 116; Rock Dove 23; Mourning Dove 1; Eastern Screech-owl 8; Great Horned Owl 19; Barred Owl 15; Belted Kingfisher 3; Red-headed Woodpecker 8; Red-bellied Woodpecker 32; Yellow-bellied Sapsucker 1; Downy Woodpecker 33; Hairy Woodpecker 7; Northern (Yellow-shafted) Flicker 60; Northern (Red-shafted) Flicker 8; Horned Lark 133; Blue Jay 236; American Crow 713; Black-capped Chickadee 198; Tufted Titmouse 10; Red-breasted Nuthatch 1; White-breasted Nuthatch 34; Golden-crowned Kinglet 4; Eastern Bluebird 25; Mountain Bluebird 2; Townsend's Solitaire 1; American Robin 193; Northern Mockingbird 1; Cedar Waxwing 8; Loggerhead Shrike 4; European Starling 1539; Yellow-rumped (Myrtle) Warbler 1; Northern Cardinal 240; Rufous-sided Towhee 2; American Tree Sparrow 6155; Song Sparrow 12; White-crowned Sparrow 16; Harris' Sparrow 1191; Dark-eyed (Slate-colored) Junco 1048; Dark-eyed (Oregon) Junco 14; Red-winged Blackbird 786; Eastern Meadowlark 25; Western Meadowlark 11; *Sturnella* sp. 357; Rusty Blackbird 26; Brewer's Blackbird 6; Common Grackle 13; Brown-headed Cowbird 2; Purple Finch 4; Pine Siskin 44; American Goldfinch 132; House Sparrow 674. Total 66 species (3 additional subspecies), about 30,407 individuals. Seen in area during count period, but not on count day - American Wigeon, Brown Creeper, Northern Shrike (no details - Ed.), White-throated Sparrow, Evening Grosbeak.

Hiro Aoki, Byron Berger, Cecil Best, J. Brier, K. Brooks, Lorena Combs, Sally Cornelison, Kevin Fay, Ben and Marion Gray, Joe Hawes, Dan, John and Bob LaShelle (compiler - 417 S. Madison, Junction City, KS 66441), Eugene and Eulalia Lewis, S. Merrill, J. Moloney, Dave Rintoul, Neil Schanker, Tom Shane, Chris Smith, John Zimmerman.

Kansas City. 39° 03' N, 94° 45' W. Center near Morris, Ks as described in 1972. Habitat coverage: upland deciduous forest 30%, residential areas 35%, cultivated fields 20%, riparian forest 10%, lakes and rivers 4%, marsh 1%. December 26, 1983. 6:00 a.m. to 5:00 p.m.; -5°F to 16°F; wind SW, 7 - 16 m.p.h.; water frozen, snow cover 4 - 7", cloudy. Twenty-one observers in 9 parties. Total party-hours 58 (11 on foot, 47 by car) plus 16 hrs. at feeders. Total party-miles 534 (13 on foot, 521 by car).

Great Blue Heron 1; Canada Goose 18; Mallard 28; Common Goldeneye 35; Bald Eagle 19; Northern Harrier 3; Sharp-shinned Hawk 3; Red-tailed Hawk 50; Red-tailed (Harlan's) Hawk 2; Rough-legged Hawk 1; American Kestrel 26; Northern Bobwhite 39; Rock Dove 6122; Mourning Dove 44; Eastern Screech-owl 2; Great Horned Owl 1; Belted Kingfisher 4; Red-headed Woodpecker 12; Red-bellied Woodpecker 36; Yellow-bellied Sapsucker 1; Downy Woodpecker 37; Hairy Woodpecker 3; Northern (Yellow-shafted) Flicker 35; Northern (Red-shafted) Flicker 1; Horned Lark 80; Blue Jay 329; American Crow 574; Black-capped Chickadee 249; Tufted Titmouse 107; Red-breasted Nuthatch 8; White-breasted Nuthatch 10; Brown Creeper 2; Eastern Bluebird 4; American Robin 3; Northern Mockingbird 7; European Starling 4490; Northern Cardinal 301; American Tree Sparrow 931; Song Sparrow 57; Swamp Sparrow 11; White-throated Sparrow 5; White-crowned Sparrow 5; Harris' Sparrow 13; Dark-eyed (Slate-colored) Junco 1004; Red-winged Blackbird 923; Eastern Meadowlark 16; *Sturnella* sp. 13; Common Grackle 73; Brown-headed Cowbird 17; Purple Finch 16; Pine Siskin 97; American Goldfinch 518; House Sparrow 1476. Total 50 species (2 additional subspecies), about 17,862 individuals. Seen in area during count period, but not on count day - Pied-billed Grebe, American White Pelican, *Mergus* sp., Brewer's Blackbird.

Patricia Devine, Bob Fisher, Chris and Kelly Hobbs, Frank and Philip Kaul, Nan Johnson, Barbara and John Leavy, Dorothy and Ken Lisher, Cleona McGuire, Earl McHugh, Lloyd Moore, Todd Reeder, Fred Schmidt, Kevin Sink, Carrie Swink, George Wait, Paul Watson, Sue Wilson. (Non-participating compiler - Mel Cooksey, 5700 Blackhoof, Merriam, KS 66203).

Kingman Wildlife Area. 37° 38' N, 98° 16' W. Center Headquarters of the Kingman Wildlife Area, Penalosa, Ks. Habitat coverage: cultivated fields 62%, riparian woodland 25%, lakes and rivers 10%, residential areas 3%. December 29, 1983. 7:30 a.m. to 5:00 p.m.; -9°F to 18°F; wind N, 0 - 3 m.p.h.; waters frozen, snow cover 3 - 5", overcast to partly cloudy. Six observers in 2 parties. Total party-hours 8 (2 on foot, 6 by car). Total party-miles 81 (4 on foot, 77 by car).

Great Blue Heron 1; Canada Goose 1632; Bald Eagle 1; Northern Harrier 9; Sharp-shinned Hawk 2; Cooper's Hawk 1; Red-tailed Hawk 16; Rough-legged Hawk 4; American Kestrel 6; Prairie Falcon 2; Ring-necked Pheasant 26; Wild Turkey 26; Northern Bobwhite 14; Common Snipe 1; Rock Dove 9; Mourning Dove 1; Great Horned Owl 3; Barred Owl 1; Red-bellied Woodpecker 7; Downy Woodpecker 13; Northern (Yellow-shafted) Flicker 1; Horned Lark 630; Blue Jay 22; American Crow 31; Black-capped Chickadee 45; White-breasted Nuthatch 1; American Robin 1; European Starling 128; Northern Cardinal 35; Rufous-sided Towhee 7; American Tree Sparrow 1275; Song Sparrow 18; White-crowned Sparrow 1; Harris' Sparrow 1200; Dark-eyed (Slate-colored) Junco 311; Dark-eyed (Oregon) Junco 48; Lapland Longspur 10; Red-winged Blackbird 11,005; Eastern Meadowlark 285; Western Meadowlark 30; Brewer's Blackbird 182; Common Grackle 3; Brown-headed Cowbird 19; American Goldfinch 14; House Sparrow 55. Total 44 species (1 additional subspecies), about 17,132 individuals. Seen in area during count period, but

not on count day - Hairy Woodpecker, Red-shafted Flicker, Red-breasted Nuthatch, Fox Sparrow, Lincoln's Sparrow, Rusty Blackbird, Pine Siskin.

Ivan and Susan Boroughs, Lorena Combs, Gene Krehbiel, Byron Walker (compiler - Kingman Wildlife Area, Penalosa, KS 67121), June Walker.

Lawrence. 39° 00' N, 95° 18' W. Center 1.5 miles N and 2.7 miles W junction U.S. 40 and U.S. 59 in northwest Lawrence. Habitat coverage: oldfields and fencerows 24%, upland deciduous forest 22%, cultivated fields 15%, riparian forest 12%, residential areas 9%, grassland 7%, lakes and rivers 6%, coniferous stands 3%, marsh 2%. December 17, 1983. 6:00 a.m. to 5:30 p.m.; 4°F to 20°F; wind N to W, 0 - 20 m.p.h.; water partly open; snow cover 1 - 4", overcast with intermittent light snow. Forty observers in 13 parties. Total party-hours 100 (42 on foot, 58 by car) plus 5 hrs. owling and 2 hrs. at feeders. Total party-miles 583 (53 on foot, 530 by car) and 13 miles owling.

Horned Grebe 1 (excellent details - Ed.); Eared Grebe 1 (excellent details - Ed.); Great Blue Heron 15; Snow Goose (white morph) 613; Snow Goose (blue morph) 261; Snow Goose (undifferentiated) 1704; Canada Goose 218; Wood Duck 1 (excellent details - Ed.); Green-winged Teal 4; American Black Duck 1 (excellent details - Ed.); Mallard 1699; Gadwall 53; Lesser Scaup 9; Common Goldeneye 11; Bufflehead 1; Common Merganser 4514; Bald Eagle 46; Northern Harrier 31; Sharp-shinned Hawk 6; Cooper's Hawk 1; Red-tailed Hawk 101; Red-tailed (Harlan's) Hawk 1; Rough-legged Hawk 8; *Buteo* sp. 4; American Kestrel 45; Ring-necked Pheasant 3; Northern Bobwhite 236; Killdeer 3; Ring-billed Gull 774; Herring Gull 206; *Larus* sp. 175; Rock Dove 679; Mourning Dove 18; Eastern Screech-owl 9; Great Horned Owl 13; Barred Owl 1; Belted Kingfisher 5; Red-headed Woodpecker 2; Red-bellied Woodpecker 79; Yellow-bellied Sapsucker 2; Downy Woodpecker 95; Hairy Woodpecker 17; Northern (Yellow-shafted) Flicker 64; Northern (Red-shafted) Flicker 2; Northern Flicker ssp. 16; Horned Lark 955; Blue Jay 122; American Crow 256; Black-capped Chickadee 613; Tufted Titmouse 105; Red-breasted Nuthatch 3; White-breasted Nuthatch 39; Brown Creeper 18; Winter Wren 1; Marsh Wren 1 (excellent details - Ed.); Golden-crowned Kinglet 8; Eastern Bluebird 15; American Robin 40; Northern Mockingbird 12; Brown Thrasher 1; Cedar Waxwing 27; Loggerhead Shrike 17; European Starling 1357; Northern Cardinal 625; Rufous-sided Towhee 7; American Tree Sparrow 5252; Field Sparrow 3; Vesper Sparrow 4 (excellent details - Ed.); Savannah Sparrow 2; Fox Sparrow 1; Song Sparrow 270; Lincoln's Sparrow 3; Swamp Sparrow 3; White-throated Sparrow 8; White-crowned Sparrow 77; Harris' Sparrow 214; Dark-eyed (Slate-colored) Junco 2790; Dark-eyed (Oregon) Junco 15; Dark-eyed Junco ssp. 1193; Lapland Longspur 1; Red-winged Blackbird 101; Eastern Meadowlark 25; *Sturnella* sp. 322; Rusty Blackbird 11; Common Grackle 2; Brown-headed Cowbird 110; Purple Finch 14; Pine Siskin 19; American Goldfinch 370; Evening Grosbeak 6; House Sparrow 1586. Total 81 species (3 additional subspecies), about 28,372 individuals. Seen in area during count period, but not on count day - Prairie Falcon, Brewer's Blackbird.

Mary Allen, Bob Antonio, Byron Berger, Brad Bergstrom, Mike Berman, Roger Boyd, Calvin Cink, Patrick Clark, Jeff Cox, Amy, Carol and Johnny Estes, Ruth Fauhl, Henry Fitch, Ed Gooley, John Harms, David Herrin, Mark Holmgren, Mary Hughes, David James, Kathy Mathews, Galen Pittman (compiler - 611 West 29th Pl., Lawrence, KS 66044), Pam Rasmusen, Jim and Stan Roth, Richard Rucker, David Seibel, Cynthia and Ed Shaw, Michael Shelton, John Simmons, Jean Spinazola, Pennie Von Achen, Don Whittemore, Joyce, Ron and Tom Wolf, Rebecca Wollman, John and Linda Zempel.

Linn County. 38° 17' N, 94° 45' W. Center 5.5 miles of SW corner Unit G, Marais des Cygnes Wildlife Area. Habitat coverage: cultivated fields 25%, lakes and rivers 25%, oldfields and fencerows 22%, upland deciduous forest 16%, riparian forest 10%, residential areas 2%. December 27, 1983. 7:15 a.m. to 5:30 p.m.; 16°F to 28°F; wind SW, 0 - 15 m.p.h.; Snow cover 3 - 10", water mostly frozen, cloudy with light snow A.M., overcast

P.M. Fourteen observers in 6 parties. Total party-hours 31.5 (5.75 on foot, 25.75 by car) plus 1 hr. owling and 8 hrs. at feeders. Total party-miles 301 (16 on foot, 285 by car) and 2 miles owling.

Pied-billed Grebe 3; Great Blue Heron 2; Snow Goose (white morph) 592; Snow Goose (blue morph) 337; Canada Goose 449; American Black Duck 4 (excellent details - Ed.); Mallard 21,287; Northern Pintail 1; Northern Shoveler 1; Gadwall 41; American Wigeon 3; Ring-necked Duck 9; Lesser Scaup 2; Common Goldeneye 1; Hooded Merganser 3; Ruddy Duck 1; Bald Eagle 10; Northern Harrier 13; Sharp-shinned Hawk 2; Red-tailed Hawk 67; Ferruginous Hawk 1 (excellent details - Ed.); *Buteo* sp. 7; American Kestrel 24; Wild Turkey 29; Northern Bobwhite 70; American Coot 1; Rock Dove 88; Mourning Dove 16; Eastern Screech-owl 5; Great Horned Owl 7; Barred Owl 7; Belted Kingfisher 1; Red-headed Woodpecker 23; Red-bellied Woodpecker 39; Downy Woodpecker 55; Hairy Woodpecker 11; Northern (Yellow-shafted) Flicker 32; Pileated Woodpecker 5; Horned Lark 671; Blue Jay 131; American Crow 188; Black-capped Chickadee 167; Tufted Titmouse 47; Red-breasted Nuthatch 2; White-breasted Nuthatch 41; Bewick's Wren 1; Eastern Bluebird 11; Northern Mockingbird 2; Cedar Waxwing 16; Loggerhead Shrike 13; European Starling 313; Northern Cardinal 389; Rufous-sided Towhee 2; American Tree Sparrow 2368; Field Sparrow 4; Savannah Sparrow 9; Song Sparrow 118; Swamp Sparrow 3; White-throated Sparrow 2; White-crowned Sparrow 103; Harris' Sparrow 39; Dark-eyed (Slate-colored) Junco 787; Lapland Longspur 3; Snow Bunting 1 (excellent details - Ed.); Red-winged Blackbird 4344; Eastern Meadowlark 8; Western Meadowlark 20; *Sturnella* sp. 220; Rusty Blackbird 6; Brewer's Blackbird 2; Common Grackle 1; Purple Finch 16; Pine Siskin 11; American Goldfinch 54; House Sparrow 724. Total 72 species, about 34,086 individuals.

Roger Boyd, Curtis Borkisky, Harold and Ruth Burgess, Christopher Hobbs, Karen Holmes, Bob and Joan Jefferson, Mick McHugh, Tom McKee, Barbara (compiler - Rt. 2, Pleasanton, KS 66075) and Martin Pressgrove, Loren Reynolds, Paul Watson.

Manhattan. 39° 11' N, 96° 34' W. Center Anderson Hall, Kansas State University campus. Habitat coverage: riparian forest 30%, oldfields and fencerows 14%, upland deciduous forest 11%, lakes and rivers 11%, cultivated fields 10%, grasslands 10%, residential areas 5%, coniferous stands 5%, marsh 4%. December 17, 1983. 12:30 a.m. to 5:15 p.m.; 4°F to 13°F; wind NNE, 3 - 14 m.p.h.; waters partly open; 0 - 4" snow cover; overcast, intermittent light snow. Eighty-nine observers in 21 parties. Total party-hours 184 (125 on foot, 54 by car, 5 by canoe) plus 5 hrs. owling. Total party-miles 718 (152 on foot, 558 by car, 8 by canoe) plus 29 miles owling.

Double-crested Cormorant 7; Great Blue Heron 30; Snow Goose (white morph) 3; Canada Goose 670; Green-winged Teal 46; American Black Duck 1 (good details - Ed.); Mallard 17,172; Northern Pintail 2; Blue-winged Teal 5 (good details - Ed.); Gadwall 95; American Wigeon 1; Lesser Scaup 1; Common Goldeneye 52; Common Merganser 3341, Red-breasted Merganser 2 (good details - Ed.); Bald Eagle 57; Northern Harrier 35; Sharp-shinned Hawk 4; Cooper's Hawk 2; Red-tailed Hawk 58; Rough-legged Hawk 14; American Kestrel 30; Peregrine Falcon 1 (excellent details - Ed.); Prairie Falcon 1; Ring-necked Pheasant 73; Greater Prairie-chicken 39; Northern Bobwhite 654; American Coot 4; Killdeer 2; Common Snipe 2; Ring-billed Gull 1069; Herring Gull 5; Rock Dove 660; Mourning Dove 105; Eastern Screech-owl 6; Great Horned Owl 11; Barred Owl 8; Belted Kingfisher 16; Red-headed Woodpecker 227; Red-bellied Woodpecker 132; Yellow-bellied Sapsucker 17; Downy Woodpecker 121; Hairy Woodpecker 24; Northern (Yellow-shafted) Flicker 137; Northern (Red-shafted) Flicker 14; Northern Flicker ssp. 17; Horned Lark 1070; Blue Jay 423; American Crow 1621; Black-capped Chickadee 828; Tufted Titmouse 97; Red-breasted Nuthatch 8; White-breasted Nuthatch 90; Brown Creeper 4; Bewick's Wren 1; Winter Wren 5; Golden-crowned Kinglet 4; Eastern Bluebird 76; Hermit Thrush 2 (excellent details - Ed.); American Robin 2557; Northern Mockingbird 2; Brown Thrasher 3; Cedar Wax-

wing 90; Loggerhead Shrike 8; European Starling 8111; Yellow-rumped (Myrtle) Warbler 7; Northern Cardinal 728; Rufous-sided Towhee 9; American Tree Sparrow 4012; Field Sparrow 3; Vesper Sparrow 1 (excellent details - Ed.); Savannah Sparrow 1; Fox Sparrow 1; Song Sparrow 65; Lincoln's Sparrow 4; Swamp Sparrow 1; White-throated Sparrow 6; White-crowned Sparrow 38; Harris' Sparrow 917; Dark-eyed (Slate-colored) Junco 4060; Dark-eyed (Oregon) Junco 56; McCown's Longspur 12 (excellent details - Ed.); Red-winged Blackbird 84; Western Meadowlark 29; *Sturnella* sp. 394; Rusty Blackbird 16; Common Grackle 1; Purple Finch 11; Pine Siskin 56; American Goldfinch 290; House Sparrow 1391. Total 87 species (2 additional subspecies), about 52,166 individuals.

Hiro Aoki, Paul Bareman, Marcia Bellers, Cecil Best, Rusty Bowles, Susan Brown, Bob Broyles, Terry Callender, Terry Campbell, Ric Carter, Tony Crawford, Dave Danskin, Joe DiMaio, Maxwell and Michael Donnelly, Pat Dreese, Chris Ellis, Karen Fader, Kevin Fay, Alan Fedynich, Bob, Clyde and Marilena Ferguson, Alan Fisher, Elmer and Lavonne Finck, John and Nate Folland, Craig Freeman, Marty Gooden, Todd Goodman, Bob Gorton, Teresa Grass, Ben and Marion Gray, Doug Groswald, Marty Gurtz, Leaann Harrell, Joe Hawes, Esterh Hoefler, Mark Howell, Lowell Johnson, Don and Glenis Kaufman, Duane and Gary Kerr, Sue Kidd, Ron Klataske, Jim Kunkel, Angel Kwolek-Folland, Bob and John LaShelle, Jim Lickey, Leslie Manning, Carrie Marten, Kerry Masterson, Dick Marzolf, Dan McCulley, Dave McDonald, Bruce McEnrow, Stephanie and Tim McGrath, Ed and Sil Pembleton, Sharon Peterson, Pat Pierce, Jeff Pontius, Tate Possey, Mike Quinlan, Gary Radke, Lee Railsback, Dave Rintoul, Ron Roschke, Tom Ryan, Gary Schiltz, Cliff Schuette, Neil Shanker, Andrea, Ann and Chris Smith, Andy Smith, Cindy Smith, Guy Smith, Mark Swegle, Harvard Townsend, Steve Travers, Brian Weiley, Jan and John Zimmerman (compiler - Div. Biology, Kansas State Univ., Manhattan, KS 66506) (Northern Flint Hills Audubon Society).

Olathe. 38° 52' N, 94° 50' W. Center junction of highways U.S. 56 and K 7. Habitat coverage: cultivated fields 35%, riparian forest 20%, oldfields and fencerows 15%, upland deciduous forest 10%, residential areas 10%, grassland 5%, lakes and rivers 5%. January 1, 1984. 7:30 a.m. to 5:00 p.m.; 19°F to 35°F; wind SW, 0 - 10 m.p.h.; water frozen, snow cover 2 - 6", clear. Eight observers in 4 parties. Total party-hours 27 (6 on foot, 21 by car) and 5 hrs. at feeders. Total party-miles 251 (9 on foot, 243 by car).

Snow Goose (blue morph) 1; Mallard 243; Bufflehead 1; Red-tailed Hawk 34; American Kestrel 13; Ring-necked Pheasant 1; Northern Bobwhite 41; American Coot 2; Rock Dove 37; Mourning Dove 16; Eastern Screech-owl 2; Great Horned Owl 7; Barred Owl 4; Red-headed Woodpecker 1; Red-bellied Woodpecker 13; Downy Woodpecker 39; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 7; Horned Lark 318; Blue Jay 53; American Crow 81; Black-capped Chickadee 155; Tufted Titmouse 3; White-breasted Nuthatch 7; Brown Creeper 2; American Robin 4; Northern Mockingbird 1; Cedar Wax-wing 207; Loggerhead Shrike 3; European Starling 818; Northern Cardinal 149; American Tree Sparrow 4214; Song Sparrow 9; White-crowned Sparrow 5; Harris' Sparrow 23; Dark-eyed (Slate-colored) Junco 418; Lapland Longspur 4; Red-winged Blackbird 3549; Eastern Meadowlark 83; *Sturnella* sp. 8; Rusty Blackbird 1; Common Grackle 7; Brown-headed Cowbird 38; Pine Siskin 28; American Goldfinch 161; House Sparrow 1606. Total 45 species, about 12,418 individuals. Seen in area during count period, but not on count day - Sharp-shinned Hawk.

Roger Boyd, Elaine and Mark Corder, Steve Crawford (compiler - 21465 W. 180th, Olathe, KS 66061), Kay McDougal, Martin Pressgrove, Dan Williamson.

Oskaloosa - Perry Lake. 39° 12' N, 95° 24' W. Center entrance of Camp Jayhawk, BSA (NE corner of section 9, T10S, R18E). Habitat coverage: upland deciduous forest 32%, oldfields and fencerows 19%, riparian forest 19%, cultivated fields 12%, lakes and rivers 7%, grassland 5%, coniferous stands 1%. December 31, 1983. 7:15 a.m. to 5:30 p.m.;

17°F to 31°F; wind SE - SW, 7 - 21 m.p.h.; water frozen except for springs, 2 - 8" snow cover, clear to partly cloudy in P.M. Thirteen observers in 5 parties. Total party-hours 39 (21 on foot, 18 by car). Total party-miles 230 (20 on foot, 210 by car).

Green-winged Teal 2; Mallard 1000; Redhead 26; Bald Eagle 7; Northern Harrier 1; Sharp-shinned Hawk 2; *Accipiter* sp. 1; Red-tailed Hawk 28; Rough-legged Hawk 3; *Buteo* sp. 3; American Kestrel 12; Peregrine Falcon 1 (excellent details - Ed.); Prairie Falcon 1; *Falco* sp. 2; Ring-necked Pheasant 2; Northern Bobwhite 44; Rock Dove 21; Mourning Dove 9; Great Horned Owl 2; Red-headed Woodpecker 1; Red-bellied Woodpecker 16; Downy Woodpecker 25; Hairy Woodpecker 5; Northern (Yellow-shafted) Flicker 28; Northern (Red-shafted) Flicker 1; Northern Flicker ssp. 1; Horned Lark 361; Blue Jay 82; American Crow 163; Black-capped Chickadee 135; Tufted Titmouse 20; White-breasted Nuthatch 19; Brown Creeper 1; Eastern Bluebird 24; American Robin 85; Northern Mockingbird 1; Cedar Waxwing 84; Loggerhead Shrike 5; European Starling 370; Northern Cardinal 143; Rufous-sided Towhee 1; American Tree Sparrow 1228; Field Sparrow 3; Savannah Sparrow 20; Fox Sparrow 1; Song Sparrow 5; White-crowned Sparrow 1; Harris' Sparrow 70; Dark-eyed (Slate-colored) Junco 1075; Dark-eyed (Oregon) Junco 11; Dark-eyed Junco ssp. 411; Eastern Meadowlark 2; Western Meadowlark 2; *Sturnella* sp. 181; Brewer's Blackbird 1; Common Grackle 5; Brown-headed Cowbird 1; Purple Finch 10; Pine Siskin 3; American Goldfinch 110; House Sparrow 668. total 53 species (2 additional subspecies), about 6546 individuals. Seen in area during count period, but not on count day - Snow Goose, Wild Turkey.

Byron Berger, Joanne Brier, Judi Dorsey, Ed Gooley, Eugene, Eulalia and Tim Lewis, Sarah Merrill, Currie Myers, Banny, Bob and Richard Rucker (compiler - 1522 Tennessee, Lawrence, KS 66044), Roseanne Smith.

Pawnee - Rush Counties. 38° 21' N, 99° 26' W. Center Nekoma Road and the Pawnee - Rush County line. Habitat coverage: cultivated fields 50%, grassland 45%, oldfields and fencerows 4%, lakes and rivers 1%. January 4, 1984. 8:00 a.m. to 6:00 p.m.; 34°F to 52°F; wind W, 0 - 15 m.p.h.; water partly open, 0 - 4" snow cover, clear, most roads impassable because of snow drifts and mud. One observer in 1 party. Total party-hours 8 (1 on foot, 7 by car). Total party-miles 152 (2 on foot, 150 by car).

Mallard 50; Northern Harrier 7; Red-tailed Hawk 22; Ferruginous Hawk 6; Rough-legged Hawk 15; American Kestrel 3; Prairie Falcon 3; Ring-necked Pheasant 14; Rock Dove 2; Eastern Screech-owl 2; Great Horned Owl 3; Downy Woodpecker 4; Hairy Woodpecker 1; Horned Lark 1700; Black-billed Magpie 4; American Crow 42; Black-capped Chickadee 3; American Robin 24; Cedar Waxwing 15; European Starling 10; American Tree Sparrow 1010; Harris' Sparrow 135; Dark-eyed (Slate-colored) Junco 11; Dark-eyed (Oregon) Junco 4; Lapland Longspur 12,380; Red-winged Blackbird 35; Western Meadowlark 72; Pine Siskin 13; American Goldfinch 37; House Sparrow 190. Total 29 species (1 additional subspecies), about 15,817 individuals. Seen in area during count period, but not on count day - *Lanius* sp.

Scott Seltman (compiler - Nekoma, KS 67559),

Pittsburg. 37° 23' N, 94° 41' W. Center Pittsburg State University. Habitat coverage: cultivated fields 40%, grassland 35%, riparian forest 15%, residential areas 10%. December 17, 1983. 7:15 a.m. to 5:30 p.m.; 23°F to 39°F; wind NE, 5 - 15 m.p.h.; water partly frozen, cloudy A.M., clearing P.M. Seven observers in 5 parties. Total party-hours 25 (14 on foot, 11 by car) and 6 hrs. at feeders. Total party-miles 157 (18 on foot, 139 by car).

Great Blue Heron 2; Canada Goose 23; Green-winged Teal 2; Mallard 1; Northern Harrier 28; Red-tailed Hawk 36; Rough-legged Hawk 1; American Kestrel 14; Northern Bobwhite 76; Killdeer 3; Rock Dove 74; Mourning Dove 100; Great Horned Owl 4; Barred Owl 7; Belted Kingfisher 5; Red-headed Woodpecker 2; Red-bellied Woodpecker 16; Downy Woodpecker 5; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 40; Horned Lark

35; Blue Jay 28; American Crow 84; Carolina Chickadee 40; Tufted Titmouse 13; White-breasted Nuthatch 1; Carolina Wren 5; Ruby-crowned Kinglet 1; Eastern Bluebird 17; American Robin 6; Northern Mockingbird 12; Loggerhead Shrike 9; European Starling 957; Northern Cardinal 119; American Tree Sparrow 50; Field Sparrow 21; Song Sparrow 9; White-throated Sparrow 2; White-crowned Sparrow 9; Harris' Sparrow 6; Dark-eyed (Slate-colored) Junco 306; Red-winged Blackbird 2635; Eastern Meadowlark 114; Brewer's Blackbird 255; Common Grackle 47; Brown-headed Cowbird 105; American Goldfinch 49; House Sparrow 252. Total 48 species, about 5627 individuals.

Bessie Boso, Perina Jones (compiler - RR 2, Box 270, Pittsburg, KS 66762), Michel Mueller, Patricia Mueller, John Smardo, Dorothy and Theodore Sperry.

Pomona Reservoir. 38° 41' N, 95° 41' W. Center intersection of U.S. 75 and Dragoon Creek. Habitat coverage: oldfields and fencerows 35%, riparian forest 21%, cultivated fields 14%, grassland 11%, lakes and rivers 7%, upland deciduous forest 7%, coniferous stands 2%, residential areas 2%, marsh 1%. December 18, 1983. 7:30 a.m. to 5:30 p.m.; -2°F to 7°F; wind N, 10 - 25 m.p.h.; water mostly frozen, snow cover 2 - 6"; A.M. mostly cloudy, P.M. clear. Nine observers in 4 parties. Total party-hours 34 (13.5 on foot, 20.5 by car). Total party-miles 212 (15 on foot, 197 by car).

Great Blue Heron 2; Canada Goose 16; Mallard 2; Gadwall 6; Common Goldeneye 4; Bald Eagle 3; Northern Harrier 13; Sharp-shinned Hawk 2; Red-tailed Hawk 24; Rough-legged Hawk 1; American Kestrel 7; Greater Prairie-chicken 55; Northern Bobwhite 237; Common Snipe 1; Rock Dove 4; Mourning Dove 43; Great Horned Owl 4; Barred Owl 2; Belted Kingfisher 1; Red-bellied Woodpecker 35; Downy Woodpecker 36; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 28; Northern (Red-shafted) Flicker 3; Horned Lark 655; Blue Jay 39; American Crow 97; Black-capped Chickadee 288; Tufted Titmouse 48; White-breasted Nuthatch 13; Brown Creeper 4; Carolina Wren 1; Winter Wren 1; Golden-crowned Kinglet 4; Eastern Bluebird 13; American Robin 6; Northern Mockingbird 1; Loggerhead Shrike 6; European Starling 212; Northern Cardinal 233; Rufous-sided Towhee 2; American Tree Sparrow 3429; Song Sparrow 34; White-crowned Sparrow 11; Harris' Sparrow 291; Dark-eyed (Slate-colored) Junco 970; Dark-eyed (Oregon) Junco 8; Lapland Longspur 25; Red-winged Blackbird 361; Eastern Meadowlark 2; *Sturnella* sp. 212; Brewer's Blackbird 1; Brown-headed Cowbird 6; Purple Finch 3; Pine Siskin 47; American Goldfinch 30; House Sparrow 297. Total 54 species (2 additional subspecies), about 7880 individuals. Seen in area during count period, but not on count day - Ring-billed Gull.

Joanne Brier, Bob and Carol Culbertson, Steve Kingswood (compiler - Sedgwick County Zoo, 5555 Zoo Blvd., Wichita, KS 67212), Eugene and Eulalia Lewis, Dale Randall, Edie Stegall, Virginia Wall.

Quivira National Wildlife Refuge. 38° 09' N, 98° 29' W. Center old refuge subhead-quarters, SE corner Sec. 11, T22S, R11W. Habitat coverage: grassland 45%, cultivated fields 30%, oldfields and fencerows 5%, marsh 20%. December 23, 1983. 7:30 a.m. to 5:30 p.m.; -5°F to 0°F; wind N, 5 - 15 m.p.h.; overcast, intermittent light snow in P.M. Four observers in 2 parties. Total party-hours 36 (36 by car). Total party-miles 131 (131 by car).

Canada Goose 1100; Green-winged Teal 4; Mallard 15; Gadwall 1; Bald Eagle 7; Northern Harrier 8; Cooper's Hawk 2; Red-tailed Hawk 11; Rough-legged Hawk 10; Golden Eagle 1; American Kestrel 3; Prairie Falcon 3; Ring-necked Pheasant 120; Northern Bobwhite 10; Red-bellied Woodpecker 2; Downy Woodpecker 6; Northern (Yellow-shafted) Flicker 7; Northern (Red-shafted) Flicker 1; Horned Lark 1308; Blue Jay 28; Black-billed Magpie 1; American Crow 21; Black-capped Chickadee 5; Townsend's Solitaire 1 (good details - Ed.); American Robin 1; Loggerhead Shrike 1; European Starling 110; Northern Cardinal 10; Rufous-sided Towhee 1; American Tree Sparrow 731; Fox Sparrow 4; White-

crowned Sparrow 2; Harris' Sparrow 133; Dark-eyed (Slate-colored) Junco 143; Dark-eyed (Oregon) Junco 26; Lapland Longspur 50; Red-winged Blackbird 453; *Sturnella* sp. 54; Brewer's Blackbird 20; Common Grackle 3; Purple Finch 6; American Goldfinch 13; House Sparrow 2. Total 41 species (2 additional subspecies), about 4438 individuals. Seen in area during count period, but not on count day - Great Horned Owl.

Ralph Bryant, Charles D. and Charles R. Darling (compiler - P.O. Box G, Stafford, KS 67578), Judy Tanner.

Salina. 38° 50' N, 97° 83' W. Center one mile west of the corner of Ninth and State Sts. in Salina, Ks. Habitat coverage: cultivated fields 52%, residential areas 25%, riparian woodland 21%, grassland 2%. December 26, 1983. 8:00 a.m. to 5:30 p.m.; 2°F to 20°F; wind S to N, 5 - 13 m.p.h.; one small spot of open water on the Smoky Hill, 1 - 10" snow cover, overcast A.M., mostly cloudy P.M. with a few flakes of snow. Six observers in 3 parties. Total party-hours 15 (7 on foot, 8 by car) and 21 hrs. at feeders. Total party-miles 114 (3 on foot, 111 by car).

Mallard 2; Northern Harrier 2; Red-tailed Hawk 9; American Kestrel 2; Ring-necked Pheasant 41; Greater Prairie-chicken 35; Wild Turkey 2; Northern Bobwhite 12; Rock Dove 45; Mourning Dove 5; Great Horned Owl 3; Barred Owl 1; Belted Kingfisher 1; Red-bellied Woodpecker 8; Downy Woodpecker 4; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 3; Northern Flicker ssp. 1; Horned Lark 770; Blue Jay 28; Black-billed Magpie 2; American Crow 113; Black-capped Chickadee 37; Tufted Titmouse 1; Red-breasted Nuthatch 2; White-breasted Nuthatch 7; Brown Creeper 4; American Robin 49; Loggerhead Shrike 1; European Starling 239; Northern Cardinal 59; Rufous-sided Towhee 1; American Tree Sparrow 961; Song Sparrow 2; Harris' Sparrow 362; Dark-eyed (Slate-colored) Junco 143; Red-winged Blackbird 84; *Sturnella* sp. 156; Rusty Blackbird 1; Common Grackle 5; House Finch 3 (excellent details - Ed.); Pine Siskin 20; American Goldfinch 16; House Sparrow 570. Total 43 species, about 3813 individuals. Seen in area during count period, but not on count day - Prairie Falcon, Fox Sparrow.

Stephen Burr, Nancy Clark, Maurice Connolly, Dick Courter, Roy Hough (compiler - 1902 Lewis, Salina, KS 67401), Charles Marsh, Ross Pope, Chris Seitz, Majorie and Ray Sreckfus (Smoky Hill Audubon Society).

Sawyer. 37° 32' N, 92° 41' W. Center two miles N of Sawyer, Ks. Habitat coverage: cultivated fields 70%, riparian woodland 25%, grassland 5%. December 29, 1983. 8:00 a.m. to 5:00 p.m. -2°F to 12°F; wind NW, 8 - 15 m.p.h.; 4 - 6" snow cover, water partly open, clear. Nine observers in 3 parties. Total party-hours 24 (18 on foot, 6 by car). Total party-miles 78 (25.5 on foot, 52.5 by car).

Great Blue Heron 5; Canada Goose 430; Mallard 1947; Northern Pintail 3; Northern Harrier 17; Sharp-shinned Hawk 1; Cooper's Hawk 1; Red-tailed Hawk 28; *Buteo* sp. 3; American Kestrel 5; Prairie Falcon 3; *Falco* sp. 1; Ring-necked Pheasant 80; Wild Turkey 68; Northern Bobwhite 37; Common Snipe 1; Rock Dove 80; Western Screech-owl 1 (no details - Ed.); Great Horned Owl 6; Barred Owl 5; Belted Kingfisher 2; Red-bellied Woodpecker 31; Downy Woodpecker 24; Hairy Woodpecker 6; Northern (Yellow-shafted) Flicker 11; Northern (Red-shafted) Flicker 9; Northern Flicker ssp. 12; Horned Lark 24,885; Blue Jay 2; American Crow 103; Black-capped Chickadee 103; Tufted Titmouse 28; Red-breasted Nuthatch 2; White-breasted Nuthatch 12; Brown Creeper 4; Winter Wren 1; Eastern Bluebird 43; American Robin 29; European Starling 33; Northern Cardinal 29; American Tree Sparrow 1352; Song Sparrow 105; Harris' Sparrow 448; Dark-eyed (Oregon) Junco 13; Dark-eyed Junco ssp. 387; Lapland Longspur 2983; Red-winged Blackbird 27,287; Western Meadowlark 220; Brewer's Blackbird 6; Common Grackle 1; Brown-headed Cowbird 5; Purple Finch 2; Pine Siskin 27; American Goldfinch 35; House Sparrow 23. Total 50 species (1 additional subspecies), about 60,985 individuals.

Kevin Becker, Ken Brunson, Lloyd Fox, Bill D. Hlavachick (compiler - 214 N. Main,

Pratt, KS 67124), Rob Manes, Kent Montei, Jane and Lauren Queal, Bib Wood.

St. John. 37° 57' N, 98° 57' W. Center 7.5 miles W. St. John city limits on First Street Road. Habitat coverage: cultivated fields, oldfields and fencerows, grassland (no percentages given). December 31, 1983. 7:30 a.m. to 6:00 p.m.; 25°F to 35°F; wind NW, 25 m.p.h., water frozen, snow cover (depth not given), overcast. Five observers in 3 parties. Total party-hours 21 (1 on foot, 20 by car) plus 1 hr. owling and 2 hrs. at feeders. Total party-miles 76 (1 on foot, 75 by car) and 10 miles owling.

Northern Harrier 3; Red-tailed Hawk 7; Ferruginous Hawk 2; Rough-legged Hawk 1; American Kestrel 5; Ring-necked Pheasant 4; Great Horned Owl 1; Red-headed Woodpecker 3; Downy Woodpecker 3; Hairy Woodpecker 1; Northern (Red-shafted) Flicker 2; Northern Flicker ssp. 2; Horned Lark 28; Blue Jay 26; Black-billed Magpie 3; American Crow 80; Black-capped Chickadee 4; Red-breasted Nuthatch 1; White-breasted Nuthatch 1; Brown Creeper 1; American Robin 10; European Starling 45; Northern Cardinal 6; Rufous-sided Towhee 1; American Tree Sparrow 831; Field Sparrow 1; White-crowned Sparrow 1; Harris' Sparrow 186; Dark-eyed (Slate-colored) Junco 80; Dark-eyed (Oregon) Junco 18; Dark-eyed Junco ssp. 98; Red-winged Blackbird 1395; *Sturnella* sp. 120; Common Grackle 10; Purple Finch 3; Pine Siskin 14; American Goldfinch 37; House Sparrow 50. Total 35 species (1 additional subspecies), about 3084 individuals. Seen in area during count period, but not on count day - Loggerhead Shrike.

Lisa Fatzer, Pauline Gardner, Jeanie Hearn, Judy Tanner (compiler - RR 1, St. John, KS 67576), Molly Tanner.

Topeka. 39° 02' N, 95° 40' W. Center State Capitol. Habitat coverage: residential areas 30%, lakes and rivers 20%, cultivated fields 20%, riparian forest 20%, upland deciduous forest 10%. December 17, 1983. 7:00 a.m. to 5:30 p.m.; 21°F to 4°F; wind NE, 4 - 34 m.p.h.; waters mostly frozen, 1 - 2" snow cover, overcast, light, intermittent snow in P.M. Nineteen observers in 8 parties and 23 observers at feeders. Total party-hours 68.5 (52.5 on foot, 16 by car) plus 42 hrs. at feeders. Total party-miles 369 (19 on foot, 350 by car).

Great Blue Heron 1; Canada Goose 31; Mallard 1803; Gadwall 1; American Wigeon 12; Ring-necked Duck 11; Common Goldeneye 2; Common Merganser 16; Bald Eagle 6; Northern Harrier 7; Sharp-shinned Hawk 4; Red-tailed Hawk 55; American Kestrel 19; Peregrine Falcon 1 (good details - Ed.); Northern Bobwhite 135; American Coot 3; Killdeer 4; Ring-billed Gull 56; Herring Gull 34; Rock Dove 1606; Mourning Dove 90; Great Horned Owl 2; Barred Owl 1; Belted Kingfisher 2; Red-headed Woodpecker 6; Red-bellied Woodpecker 41; Downy Woodpecker 45; Hairy Woodpecker 5; Northern (Yellow-shafted) Flicker 27; Horned Lark 1104; Blue Jay 108; American Crow 161; Black-capped Chickadee 277; Tufted Titmouse 84; Red-breasted Nuthatch 17; White-breasted Nuthatch 31; Brown Creeper 6; Golden-crowned Kinglet 2; Eastern Bluebird 6; American Robin 9; Northern Mockingbird 3; Brown Thrasher 1; Cedar Waxwing 30; Loggerhead Shrike 9; European Starling 1770; Northern Cardinal 542; Rufous-sided Towhee 11; American Tree Sparrow 1486; Song Sparrow 26; White-throated Sparrow 25; White-crowned Sparrow 9; Harris' Sparrow 457; Dark-eyed (Slate-colored) Junco 2260; Dark-eyed (Oregon) Junco 24; Lapland Longspur 20; Red-winged Blackbird 3; Eastern Meadowlark 14; *Sturnella* sp. 299; Brewer's Blackbird 39; Common Grackle 3; Brown-headed Cowbird 1; Purple Finch 4; Pine Siskin 174; American Goldfinch 445; House Sparrow 2036. Total 63 species (1 additional subspecies), about 15,522 individuals. Seen in area during count period, but not on count day - Pied-billed Grebe, Horned Grebe, Northern Shoveler, Redhead, Lesser Scaup, Bufflehead, Yellow-bellied Sapsucker, Fox Sparrow.

Virgil Basgall, Margaret Beers, Joanne Brier, Hugh Bryan, Leslie and Scott Campbell, Cliff Corn, Arline and Bob Delker, Gussie Flentje, Marvin Florschutz, Donna Frederick, Pat Fry, Dan Gish, Antoine Grayib, Ruth Green, Dean Grisell, Gwen Haegert, Doris Horton, Scotty Johnson, Diane Kaplan, Jack Kepner, Marge Konopaska, Jim Kyle, Greg Laird,

Dan Larson, Bob Lawson, Eugene (compiler - 1285 MacVicar Ave., Topeka, KS 66604) and Eulalia Lewis, Myron Listrom, Sarah Merrill, John Pierpont, Joanne Ramberg, Orville Rice, L. L. Roberts, Margaret Smith, Owen Smith, May Stannard, Pat Stein, Donna Vausbinder, Lil and Paul Willis (Topeka Audubon Society).

Tribune. latitude and longitude not given. Center Sec. 20, T18, R40, Greeley County. Habitat coverage: cultivated fields 85%, grassland 10%, residential areas 5%. December 31, 1983. 8:00 a.m. to 5:00 p.m.; 23°F to 38°F; wind SW, 3 - 5 m.p.h.; clear to partly cloudy A.M., cloudy P.M. Sixteen observers in 7 parties. Total party-hours 52 (6 on foot, 46, by car) and 24 hrs. at feeders. Total party-miles 94 (no separation given).

Bald Eagle 1; Sharp-shinned Hawk 7; *Buteo* sp. 1; Golden Eagle 1; Prairie Falcon 4; Ring-necked Pheasant 25; Rock Dove 8; Great Horned Owl 1; Horned Lark "thousands"; Red-breasted Nuthatch 1; American Robin 3; European Starling "hundreds"; Dark-eyed (Slate-colored) Junco 6; Western Meadowlark 30; House Sparrow "thousands". Total 14 species, total individuals not countable. Seen in area during count period, but not on count day - Lapland Longspur.

Lawrence (compiler - RR, Tribune, KS 67879) and Pearl Abbott, Melvin and Nadine Chaney, Georgia Epp, Grace Hart, Dorothy Higgins, Kathleen Hildenbrand, Star Hildenbrand, Luther and LuVerne Keith, Calvin, Jim, and Roxie Pringle, Margaret Taylor, Mary Tuttle, Wilda Werner.

Udall - Winfield. 37° 16' N, 96° 59' W. Center water tower at Winfield State Training School. Habitat coverage: woodland 40%, cultivated fields 20%, prairie 20%, stream-sides 10%, lakes and ponds 6%, parkland 4%. December 18, 1983. 8:00 a.m. to 5:00 p.m.; 5°F to 6°F; wind N, 20 m.p.h.; water frozen except lakes and streams, snow cover 90%, overcast A.M., clearing P.M. Ten observers in 5 parties. Total party-hours 40 (5 on foot, 35 by car) plus 3 hrs. owling. Total party-miles 390 (6 on foot, 384 by car) and 5 miles owling.

Pied-billed Grebe 6; Double-crested Cormorant 3; Great Blue Heron 6; Canada Goose 189; Green-winged Teal 4; Mallard 2389; Northern Pintail 2; Gadwall 4; American Wigeon 2; Canvasback 2; Ring-necked Duck 2; Lesser Scaup 12; Common Goldeneye 260; Bufflehead 2; Hooded Merganser 4; Common Merganser 1294; Bald Eagle 8; Northern Harrier 117; Sharp-shinned Hawk 1; Cooper's Hawk 1; Northern Goshawk 1 (fair details - Ed.); Red-tailed Hawk 158; Rough-legged Hawk 2; American Kestrel 31; Prairie Falcon 1; Ring-necked Pheasant 2; Northern Bobwhite 162; American Coot 17; Killdeer 1; Common Snipe 1; Ring-billed Gull 150; Herring Gull 13; Rock Dove 136; Mourning Dove 43; Great Horned Owl 4; Barred Owl 3; Belted Kingfisher 6; Red-headed Woodpecker 5; Red-bellied Woodpecker 37; Yellow-bellied Sapsucker 3; Downy Woodpecker 28; Hairy Woodpecker 5; Northern (Yellow-shafted) Flicker 19; Horned Lark 8700; Blue Jay 84; American Crow 170; Black-capped Chickadee 14; Carolina Chickadee 178; Tufted Titmouse 76; Red-breasted Nuthatch 10; White-breasted Nuthatch 20; Brown Creeper 4; Carolina Wren 2; Winter Wren 1; Golden-crowned Kinglet 3; Ruby-crowned Kinglet 1; Eastern Bluebird 4; American Robin 9; Northern Mockingbird 6; Brown Thrasher 1; Cedar Waxwing 1; Loggerhead Shrike 10; European Starling 607; Northern Cardinal 193; Rufous-sided Towhee 5; American Tree Sparrow 5151; Field Sparrow 7; Savannah Sparrow 6; Fox Sparrow 1; Song Sparrow 76; Lincoln's Sparrow 2; White-crowned Sparrow 6; Harris' Sparrow 1475; Dark-eyed (Slate-colored) Junco 3646; Dark-eyed (Oregon) Junco 84; Lapland Longspur 11,501; Red-winged Blackbird 491; Eastern Meadowlark 4; Western Meadowlark 5; *Sturnella* sp. 447; Rusty Blackbird 1043; Common Grackle 53; Brown-headed Cowbird 126; Pine Siskin 45; American Goldfinch 189; House Sparrow 934. Total 84 species (1 additional subspecies), about 40,527 individuals. Seen in area during count period, but not on count day - Common Loon, Horned Grebe, Red-breasted Merganser.

Wallace Champeny, Janet Laws, Max Thompson (compiler - 1729 E. 11th, Winfield,

KS 67156), Gerald Wiens, Agnes, Larry and Ross Williams, Donna and Lee Wilt, Robert Wimmer.

Wichita. 37° 41' N, 97° 20' W. Center confluence of Arkansas and Little Arkansas Rivers. Habitat coverage: riparian woodland 40%, residential areas 30%, lakes and rivers 15%, cultivated fields 10%, marsh 5%. December 17, 1983. 8:00 a.m. to 5:00 p.m.; 24°F to 12°F; wind N to NW, 10 - 18 m.p.h.; water partly frozen, A.M. clear, P.M. mostly clear. Twenty-three observers in 8 parties. Total party-hours 85 (56 on foot, 29 by car). Total party-miles 338 (27 on foot, 311 by car).

Pied-billed Grebe 6; Great Blue Heron 11; Greater White-fronted Goose 2; Snow Goose (white morph) 2; Canada Goose 1232; Wood Duck 1; Green-winged Teal 17; Mallard 1880; Northern Pintail 3; Northern Shoveler 5; Gadwall 57; American Wigeon 82; Canvasback 50; Redhead 5; Ring-necked Duck 108; Lesser Scaup 28; Common Goldeneye 54; Bufflehead 6; Hooded Merganser 3; Common Merganser 2; Ruddy Duck 1; Northern Harrier 2; Sharp-shinned Hawk 1; Cooper's Hawk 1; Red-tailed Hawk 39; American Kestrel 9; Ring-necked Pheasant 17; Wild Turkey 2; Northern Bobwhite 30; American Coot 427; Killdeer 3; Greater Yellowlegs 1 (good details - Ed.); Least Sandpiper 2 (good details - Ed.); Common Snipe 5; Ring-billed Gull 190; Herring Gull 14; Rock Dove 596; Mourning Dove 14; Eastern Screech-owl 2; Great Horned Owl 14; Belted Kingfisher 14; Red-bellied Woodpecker 6; Yellow-bellied Sapsucker 4; Downy Woodpecker 32; Hairy Woodpecker 2; Northern (Yellow-shafted) Flicker 22; Northern (Red-shafted) Flicker 4; Northern Flicker ssp. 10; Horned Lark 510; Blue Jay 92; American Crow 51,781; Black-capped Chickadee 178; Tufted Titmouse 28; Red-breasted Nuthatch 51; White-breasted Nuthatch 10; Brown Creeper 48; Winter Wren 4; Golden-crowned Kinglet 11; American Robin 65; Northern Mockingbird 7; Brown Thrasher 5; Cedar Waxwing 12; Loggerhead Shrike 3; European Starling 502,210; Yellow-rumped (Myrtle) Warbler 1; Northern Cardinal 248; Rufous-sided Towhee 41; American Tree Sparrow 1190; Field Sparrow 2; Vesper Sparrow 1; Song Sparrow 114; Swamp Sparrow 6; White-throated Sparrow 4; White-crowned Sparrow 3; Harris' Sparrow 686; Dark-eyed (Slate-colored) Junco 1613; Dark-eyed (Oregon) Junco 14; Lapland Longspur 1501; Red-winged Blackbird 1,008,591; *Sturnella* sp. 143; Rusty Blackbird 1; Brewer's Blackbird 2; Great-tailed Grackle 2429; Common Grackle 354; Brown-headed Cowbird 1425; Purple Finch 1; Pine Siskin 194; American Goldfinch 460; House Sparrow 1134. Total 86 species (2 additional subspecies), about 1,580,191 individuals. Seen in area during count period, but not on count day - Merlin, Bewick's Wren.

Louis Bussjaeger, Walker Butin, Ed Byrne, Wallace Champeny (compiler - RR 1, Oxford, KS 67119), Patsy Christgau, James Fisher, Rick Goodrick, Terri Gwaltney, Dan Kilby, Mike Lesan, George Neavoll, Doug Plummer, Tod Reeder, Jean and Miriam Roark, Eddie and Savilla Stegall, Durward Tucker, Don Vannoy, Dale Virden, Gerald Wiens, Mary and Ralph Wiley.

Wilson Reservoir. 38° 56' N, 98° 34' W. Center northernmost point of Minooka Park (6 miles NNE Dorrance, Ks.). Habitat coverage: lakes and rivers 35%, grassland 15%, riparian woodland 15%, coniferous stands 10%, cultivated fields 10%, oldfields and fencerows 10%, residential areas 3%, marsh 2%. December 17, 1983. 7:30 a.m. to 5:00 p.m.; 1°F to 7°F; wind NNE, 15 - 22 m.p.h.; waters mostly open; 1" snow cover; overcast with intermittent light snow and heavy fog over the reservoir. Sixteen observers in 5 parties. Total party-hours 32 (14 on foot, 18 by car). Total party-miles 421 (14 on foot, 407 by car).

Pied-billed Grebe 1; Double-crested Cormorant 1; Snow Goose (white morph) 1; Canada Goose 2926; Green-winged Teal 1; Mallard 766; Northern Pintail 30; Gadwall 22; American Wigeon 58; Ring-necked Duck 1; Common Goldeneye 134; Bufflehead 25; Hooded Merganser 4; Common Merganser 9778; Bald Eagle 4; Northern Harrier 63; Sharp-shinned

Hawk 5; Red-tailed Hawk 23; Rough-legged Hawk 3; *Buteo* sp. 3; Golden Eagle 1; American Kestrel 18; Merlin 2; Prairie Falcon 5; Ring-necked Pheasant 95; Greater Prairie-chicken 90; Northern Bobwhite 91; American Coot 20; Common Snipe 4; Ring-billed Gull 298; Herring Gull 49; Rock Dove 24; Great Horned Owl 8; Long-eared Owl 4; Short-eared Owl 1 (excellent details - Ed.); Belted Kingfisher 1; Red-bellied Woodpecker 3; Downy Woodpecker 2; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 3; Northern (Red-shafted) Flicker 1; Northern Flicker ssp. 1; Horned Lark 1360; Blue Jay 6; Black-billed Magpie 9; American Crow 21; Black-capped Chickadee 21; Brown Creeper 1; Golden-crowned Kinglet 2; Eastern Bluebird 1; Townsend's Solitaire 1; American Robin 28; Brown Thrasher 1; Loggerhead Shrike 2; European Starling 98; Northern Cardinal 13; American Tree Sparrow 9316; Song Sparrow 4; White-throated Sparrow 4; White-crowned Sparrow 7; Harris' Sparrow 793. Dark-eyed (Slate-colored) Junco 251; Dark-eyed (Oregon) Junco 36; Lapland Longspur 2018; Red-winged Blackbird 9955; Western Meadowlark 117; Rusty Blackbird 3; Brewer's Blackbird 11; Common Grackle 1; Brown-headed Cowbird 86; Pine Siskin 2; American Goldfinch 21; House Sparrow 910. Total 69 species (2 additional subspecies), about 39,670 individuals. Seen in area during count period, but not on count day - Horned Grebe, Greater White-fronted Goose, Redhead, Eastern Screech-owl, Cedar Waxwing.

Louie Banker, Jerilyn and Tom Cannon (compiler - Box 127, Lucas, KS 67648), Jane Holland, Leroy Holt, Mike Nyoff, Scott Seltman, Marvin Schwilling, Bunnie and Mike Watkins, Eldon Whitmer, Richard Whitmer, Dan Williamson, Bruce Zamrzla, Dennis and Linda Zehr.

Division of Biology, Kansas State University, Manhattan, KS 66506.

KANSAS ORNITHOLOGICAL SOCIETY
Officers for 1982 - 1983

President	Calvin Cink Baker University Baldwin City, KS 66006
Vice-President	Roger Boyd Baker University Baldwin City, KS 66006
Corresponding Secretary	Dwight Platt Rt. 2, Box 209 Newton, KS 67114
Membership Secretary	Jane Hershberger 18 Circle Dr. Newton, KS 67114
Business Manager	Max C. Thompson 1729 E. 11th St. Winfield, KS 67156
Treasurer	Eugene R. Lewis 1285 Mac Vicar Topeka, KS 66604
Librarian	Ruth Fauhl 1923 Ohio St. Lawrence, KS 66044

Directors at Large

1982-1984	Lawrence Herbert Rt. 2, Box 116 Olpe, KS 66865
1982-1984	Scott Seltman Rt. 1, Box 36 Nekoma, KS 67559
1983-1985	Jeff Burkhart Biology Dept. St. Mary's of the Plains Dodge City, KS 67801
1983-1985	Robert Gress 1409 W. 35th St. N. Wichita, KS 67204
Editor, <i>The Bulletin</i>	John L. Zimmerman Div. Biology, KSU Manhattan, KS 66506
Editor, <i>The Newsletter</i>	Elmer Finck Div. Biology, KSU Manhattan, KS 66506

Regular membership — \$6.00, sustaining membership — \$12.00, student membership — \$2.00. Payable January 1 to Treasurer.

ISSN 0022-8729