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WINTER BIRD COUNT FOR 1984

John L. Zimmerman

There is no doubt about it. Just read the accounts of the 31 winter bird surveys completed this year in Kansas. It was indeed the best of times. It was indeed the worst of times. As the waves of weather swept across the state during the count period, some participants enjoyed the best conditions they had ever experienced for the winter count with moderate temperatures, clear skies and little wind. Others were less fortunate, enduring the most miserable weather ever with low visibilities in fog, rain and freezing rain, sleet and snow.

The birds were a mix of the best and the worst as well. It has been a mild winter up to the count period, most water remained open and there was little snow to obscure moderately good food sources. The count reports reflect this amiable weather pattern with many waterfowl species wintering further north than usual. American White Pelicans were found on two counts. Blue-winged Teal were also reported on two counts; Northern Shovelers were present on three counts, while Ruddy Ducks occurred on four. Northern Pintails were scattered across the whole state, being present on nine counts. Hermit Thrushes were at Wichita and Lawrence. Lawrence counters also found Savannah Sparrows. Vesper and LeConte's Sparrows were at Hillsdale Reservoir. There also was a Vesper Sparrow at Quivira National Wildlife Refuge, and Sawyer had an Osprey. Brown Thrashers were found on five counts, and a Gray Catbird was reported on the Salina count. Ruby-crowned Kinglets were recorded on seven counts, and a flock of 50 Yellow-headed Blackbirds was seen along the Big Blue River in Manhattan. Udall-Winfield found both Greater Yellowlegs and Least Sandpipers, as well as a Sprague's Pipit during the count period. Tom Flowers reported a swallow on the newly begun Meade County count that was either a Rough-winged or an immature Tree Swallow. Emporia had a Baltimore Oriole that had been coming to the yard of Audra Agin since 21 November, feeding on rotten pears still on the tree as well as other fruits and grape jelly provided at her feeder.

But if the point of all of this is a southern flavor to this year's winter bird population, counterpoint is provided by a definite invasion of arctic birds. This fall's scoter deluge was still represented by White-winged Scoters at Emporia and Udall-Winfield. Udall-Winfield also picked up a new bird for the Kansas winter list with three Black Scoters on the city lake. Oldsquaws were seen at Junction City and Wilson Reservoir, and the group at Perry Reservoir found a Glaucous Gull. Scott County Lake made its debut on the winter count with Northern Shrike and Northern Goshawk. Sawyer claims to have seen two Bohemian Waxwings. No Snowy Owls were seen on count days, but both Salina and Quivira had this species during the count period. Long-eared Owls were reported by five compilers, either on count day or during the count period. And there were northern finches! Hays had three Evening Grosbeaks on count day and a Pine Grosbeak during the count period, while Topeka had the Pine Grosbeak on count day. White-winged Crossbills were at Halstead-Newton and Red Crossbills at Atchison, Udall-Winfield and Cimarron National Grassland. Common Redpolls were clustered in the east central part of the state, being reported at Camp Naish, Linn County, Baldwin City and Hillsdale Reservoir. This species was also found in Morton County on the

Cimarron National Grassland count.

While certainly among the best Kansas counts in terms of variety with 144 species, it was among the worst in terms of individuals. Almost all compilers reported exceptionally low numbers for many species. You would think that Bill Hlavachick and his group out of the Fish and Game office at Pratt could find Turkeys and Ring-necked Pheasants on the Sawyer count, but they could not. The best they could do was seven Northern Bobwhites. But their experience was not unique; pheasants and bobwhites were low across the entire state. So were such ecologically disparate species as Black-capped Chickadees and various sparrows, including even juncos! Permanent residents like the bobwhite and the chickadee, of course, do not migrate. But even birds that migrate into Kansas for the winter like juncos and Harris' Sparrows are quite regular in their returning to the same wintering locale year after year. It is my opinion that the mortality caused by the extended severe weather during the first three months of 1984 was so great that even a summer's reproduction was insufficient to recoup last winter's losses. But there is hope; Carolina Wrens still remain, having been reported on four counts.

The 492 observers on the Kansas counts this year are less than the number of participants in each of the last two years but still above the average for the last ten years. Three new counts from the western half of the state were started this year at Garden City, Scott Lake and Meade County. I hope these will be continued in future years. One of the longest running counts in Kansas, however, is missing from the compilation. The Pittsburg count was discontinued since the local group has "not been able to locate anyone who wants to be responsible for compiling the 1984 bird county." That's too bad. But it emphasizes an aspect of our endeavor that we often overlook. Being interested in birds is one thing, but our enthusiasm must also be contagious. While The List may be the goal of your winter count, its value in encouraging interest in birds is probably more important. There is no better way to convert a young person interested in the outdoors into a bird watcher than by his or her spending the day by your side on a winter bird count and thereby hopefully insuring that the count will continue in your area.

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 22, 1984. 8:00 a.m. to 5:00 p.m., 26°F to 46°F; wind SW, 1-5 m.p.h.; water open; no snow cover, clear. Eleven observers in 4 parties. Total party-hours 58 (40 on foot, 18 by car). Total party-miles 256 (28 on foot, 228 by car).

Pied-billed Grebe 3; Great Blue Heron 6; Canada Goose 150; Mallard 19; Common Goldeneye 3; Common Merganser 6; Bald Eagle 5; Northern Harrier 12; Sharp-shinned Hawk 3; Cooper's Hawk 1; Red-tailed Hawk 79; Red-tailed (Harlan's) Hawk 4; Ferruginous Hawk 1; Rough-legged Hawk 1; American Kestrel 23; Ring-necked Pheasant 4; Wild Turkey 28; Northern Bobwhite 44; Killdeer 4; Common Snipe 1; Ring-billed Gull 565; Herring Gull 1; Rock Dove 71; Mourning Dove 36; Great Horned Owl 12; Barred Owl 5; Belted Kingfisher 9; Red-headed Woodpecker 44; Red-bellied Woodpecker 104; Yellow-bellied Sapsucker 4; Downy Woodpecker 67; Hairy Woodpecker 12; Northern (Yellow-shafted) Flicker 43; Northern (Red-shafted) Flicker 4; Northern Flicker ssp. 26; Pileated Woodpecker 7; Horned Lark 921; Blue Jay 192; American Crow 601; Carolina Chickadee 460; Tufted Titmouse 118; White-breasted Nuthatch 75; Brown Creeper 9; Carolina Wren 4; Winter Wren 1; Golden-crowned Kinglet 5; Eastern Bluebird 105; American Robin 313; Northern Mockingbird 12; Loggerhead Shrike 5; European Starling 1468; Yellow-rumped (Myrtle) Warbler 2; Northern Cardinal 212; Rufous-sided Towhee 15; American Tree Sparrow 655; Field Sparrow 1; Fox Sparrow 4; Song Sparrow 31; White-throated Sparrow 4; White-crowned Sparrow 2; Harris'

Sparrow 1037; Dark-eyed (Slate-colored) Junco 661; Dark-eyed (Oregon) Junco 1; Red-winged Blackbird 1155; Eastern Meadowlark 6; Western Meadowlark 1; *Sturnella* sp. 223; Brewer's Blackbird 140; Common Grackle 1; Brown-headed Cowbird 40; American Goldfinch 227; House Sparrow 1002. Total 67 species (3 additional subspecies), about 11,116 individuals.

Wallace Champeny, Beverly DuGay, Mike Lesan, Jean and Mirriam Roark, Scott Seltman, Donald Vannoy (compiler - 2458 Coolidge, Wichita KS 67204), Gerald Wiens, Agnes, Larry and Ross Williams.

Atchison. 39° 34' N, 95° 08' W. Center U.S. 59 and the Kansas-Missouri border (middle of the Missouri River). Habitat coverage: cultivated fields 42%, upland deciduous forest 30%, residential areas 9%, lakes and rivers 9%, marsh 4%, riparian forest 2%, oldfields and fencerows 2%, grassland 2%. December 15, 1984. 7:30 a.m. to 5:30 p.m., 35°F to 60°F; wind SW, 0-5 m.p.h.; all water open, no snow cover; overcast and heavy fog with intermittent rain, clearing in P.M. to warm, wet and beautiful at sunset. Seven observers in 2 parties and 1 observer at feeders. Total party-hours 12 (3 on foot, 9 by car) plus 1 hr. at feeders. Total party-miles 145 (5 on foot, 140 by car).

Great Blue Heron 4; Snow Goose 3235; Mallard 8; American Wigeon 11; Bald Eagle 1; Northern Harrier 3; Red-tailed Hawk 13; American Kestrel 18; Merlin 1 (good details - Ed.); Ring-necked Pheasant 2; Ring-billed Gull 8; Rock Dove 292; Mourning Dove 3; Great Horned Owl 3; Belted Kingfisher 4; Red-headed Woodpecker 4; Red-bellied Woodpecker 2; Yellow-bellied Sapsucker 1; Downy Woodpecker 9; Hairy Woodpecker 2; Northern (Yellow-shafted) Flicker 6; Horned Lark 20; Blue Jay 12; American Crow 12; Black-capped Chickadee 25; Tufted Titmouse 1; White-breasted Nuthatch 1; Ruby-crowned Kinglet 1; American Robin 3; European Starling 349; Yellow-rumped (Myrtle) Warbler 1; Northern Cardinal 38; American Tree Sparrow 107; Song Sparrow 10; White-throated Sparrow 1; White-crowned Sparrow 3; Harris' Sparrow 4; Dark-eyed (Slate-colored) Junco 301; Red-winged Blackbird 856; Eastern Meadowlark 20; Common Grackle 4; Brown-headed Cowbird 50; Red Crossbill 15 (excellent details - Ed.); Pine Siskin 7; American Goldfinch 26; House Sparrow 420. Total 46 species, about 5919 individuals. Seen in area during count period, but not on count day - Cooper's Hawk, Red-breasted Nuthatch, Loggerhead Shrike.

Joseph Barberis, Daniel E. Bowen (compiler - Biology Dept. - North Campus, Benedictine College, Atchison KS 66602), Joseph Brom, George Frank, Jeff Keating, Thomas Kemlage, Douglas Sherlin, Martin Simon.

Baldwin. 38° 47' N, 95° 16' W. Center junction of U.S. 56 and U.S. 59. Habitat coverage: as described in 1981. December 22, 1984. 5:45 a.m. to 5:30 p.m., 22°F to 40°F; wind SW, 0-5 m.p.h.; water mostly open, no snow cover, clear. Twenty-four observers in 8 parties and 2 observers at feeders. Total party-hours 61 (14 on foot, 47 by car) plus 2.5 hrs. owling and 12 hrs. at feeders. Total party-miles 481 (16 on foot, 465 by car) and 13 miles owling.

Mallard 78; Common Goldeneye 7; Northern Harrier 16; Sharp-shinned Hawk 1; Red-tailed Hawk 114; Red-tailed (Harlan's) Hawk 1; Rough-legged Hawk 1; *Buteo* sp. 1; American Kestrel 40; Northern Bobwhite 26; Rock Dove 57; Mourning Dove 61; Eastern Screech-owl 7; Great Horned Owl 10; Barred Owl 3; Long-eared Owl 1; Belted Kingfisher 2; Red-headed Woodpecker 19; Red-bellied Woodpecker 52; Yellow-bellied Sapsucker 4; Downy Woodpecker 76; Hairy Woodpecker 17; Northern (Yellow-shafted) Flicker 73; Northern Flicker ssp. 7; Horned Lark 459; Blue Jay 235; American Crow 247; Black-capped Chickadee 257; Tufted Titmouse 26; White-breasted Nuthatch 44; Carolina Wren 1; Winter Wren 4; Eastern Bluebird 118; American Robin 281; Northern Mockingbird 8; Brown Thrasher 1; Cedar

Waxwing 71; Loggerhead Shrike 12; European Starling 1695; Yellow-rumped (Myrtle) Warbler 10; Northern Cardinal 260; Rufous-sided Towhee 1; American Tree Sparrow 421; Fox Sparrow 1; Song Sparrow 11; Swamp Sparrow 1; White-crowned Sparrow 1; Harris' Sparrow 44; Dark-eyed Junco ssp. 330; Lapland Longspur 40; Red-winged Blackbird 501; Eastern Meadowlark 89; Western Meadowlark 10; *Sturnella* sp. 270; Brewer's Blackbird 1; Common Grackle 2; Brown-headed Cowbird 1; Common Redpoll 1 (no details - Ed.); Pine Siskin 9; American Goldfinch 237; House Sparrow 1527. Total 57 species (1 additional subspecies), about 7901 individuals. Seen in area during count period, but not on count day - Green-winged Teal, Purple Finch.

Jan, Margaret and Roger Boyd (compiler - Biology Dept., Baker Univ., Baldwin City, KS 66006), Donald Betts, John, Johnnie and Martin Brockway, Tom Church, Calvin Cink, Steve Crawford, Lois Cromwell, Jackie Crossley, Ruth Fauhl, Roberta Gay, Katharine Kelley, Stephen and Wade Leitner, Marno McKaughan, Mike Mueller, Barbara and Martin Pressgrove, Bill Stark, Don Stout, Ron and Tom Wolfe, Alan Zarley.

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 22, 1984. 6:30 a.m. to 4:30 p.m., 25°F to 44°F; wind SSW, around 6 m.p.h. Water mostly open, all streams and springs running well; no snow cover; ground very moist; clear. Four observers in 2 parties. Total party-hours 9 (8 on foot, 1 by car) plus 0.5 hrs. owling and 0.1 hrs. at feeder. Total party-miles 20 (16 on foot, 4 by car) and 0.5 miles owling on foot.

Snow goose (white morph) 55; Snow Goose (blue morph) 55; Mallard 20, Red-tailed Hawk 7; American Kestrel 1; Ring-billed Gull 40; Rock Dove 26; Eastern Screech-owl 3; Great Horned Owl 3; Red-headed Woodpecker 3; Red-bellied Woodpecker 12; Downy Woodpecker 17; Hairy Woodpecker 4; Northern (Yellow-shafted) Flicker 1; Northern Flicker ssp. 4; Blue Jay 32; American Crow 9; Black-capped Chickadee 97; Tufted Titmouse 44; White-breasted Nuthatch 16; Carolina Wren 1; Eastern Bluebird 32; American Robin 8; Cedar Waxwing 1; European Starling 26; Northern Cardinal 31; American Tree Sparrow 2; Song Sparrow 1; Dark-eyed Junco ssp. 96; Common Redpoll 1 (no details - Ed.); American Goldfinch 35; House Sparrow 16. Total 31 species, about 699 individuals.

Byron Berger. Tom Grey, Ed Hubert, Stan Roth (compiler - Lawrence High School, Lawrence, KS 66046).

Cimarron National Grassland. 37° 07' N, 101° 52' W. Center 7 mi N, 2 mi E Elkhart, Ks. Habitat coverage: sand-sage prairie 25%, riparian woodland 25%, ponds 20%, residential areas 15%, cultivated fields 10%; rocky slopes 5%. December 29, 1984. 7:00 a.m. to 6:00 p.m. 44°F to 27°F; wind S to NW, 8-15 m.p.h.; clear in early A.M., then foggy. Twenty-two observers in 7 parties. Total party-hours 51 (17 on foot, 34 by car) and 0.5 hrs. owling. Total party-miles 589 (30 on foot, 559 by car) and 10 miles owling.

Common Merganser 1; Ruddy Duck 1; Northern Harrier 14; Sharp-shinned Hawk 1; Cooper's Hawk 1; *Accipter* sp. 1; Red-tailed Hawk 10; Ferruginous Hawk 8; Rough-legged Hawk 4; Golden Eagle 4; American Kestrel 9; Prairie Falcon 1; *Falco* sp. 2; Ring-necked Pheasant 15; Lesser Prairie-chicken 16; Scaled Quail 22; Ring-billed Gull 10; Herring Gull 1; Rock Dove 105; Mourning Dove 22; Common Barn Owl 2; Eastern Screech-owl 2; Great Horned Owl 14; Short-eared Owl 1; Ladder-backed Woodpecker 2; Downy Woodpecker 7; Hairy Woodpecker 5; Northern (Yellow-shafted) Flicker 3; Northern (Red-shafted) Flicker 11; Northern Flicker ssp. 10; Horned Lark 675; Blue Jay 1; Black-billed Magpie 83; American Crow 57; Red-breasted Nuthatch 1; White-breasted Nuthatch 1; Marsh

Wren 1; Eastern Bluebird 3; Townsend's Solitaire 6; American Robin 30; Northern Mockingbird 1; Curve-billed Thrasher 3; Loggerhead Shrike 6; European Starling 705; American Tree Sparrow 961; Field Sparrow 5; Lark Bunting 5; Song Sparrow 20; Swamp Sparrow 1; White-crowned Sparrow 117; Harris' Sparrow 20; Dark-eyed (Slate-colored) Junco 163; Dark-eyed (Oregon) Junco 98; Dark-eyed Junco ssp. 63; McCown's Longspur 2; Lapland Longspur 372; Red-winged Blackbird 336; Western Meadowlark 141; Purple Finch 1; House Finch 27; Red Crossbill 3 (good details - Ed.); Common Redpoll 12 (good details - Ed.); Pine Siskin 62; American Goldfinch 110; House Sparrow 1434. Total 59 species (2 additional subspecies), about 5831 individuals. Seen in area during count period, but not on count day - Canada Goose, Common Goldeneye, Bald Eagle, Merlin.

D. and L. Bryan, W. Champeny, A. and M. Cooksey, R. Fisher, D. Herrin, C. Hobbs, B. and R. Hodges, N. Johnson, M. Lesan, E. McHugh, S. Patti (compiler - 727 W. Irving Park Rd. #3, Chicago, IL 60613), J. Schulenberg, D. Seibel, D. and S. Seltman, K. Sink, M. Thompson, D. and F. Vannoy (Kansas Ornithological Society's Excursion Committee to the Extreme).

Dodge City. 37° 46' N, 99° 58' W. Center St. Mary of Plains College campus. Habitat coverage: cultivated fields 58%, grassland 20%, residential areas 15%, streams and lakes 7%. December 29, 1984. 7:50 a.m. to 4:00 p.m., 33°F to 22°F; wind NE, light; no snow cover, overcast, foggy with intermittent mist, sometimes freezing. Ten observers in 4 parties and 1 observer at feeders. Total party-hours 28 (2 on foot, 26 by car) and 8 hrs. at feeders. Total party-miles 220 (2 on foot, 218 by car).

Mallard 43; Northern Pintail 5; Bald Eagle 1; Northern Harrier 9; Red-tailed Hawk 8; Ferruginous Hawk 2; Rough-legged Hawk 2; Ring-necked Pheasant 5; Rock Dove 124; Mourning Dove 2; Great Horned Owl 6; Downy Woodpecker 3; Northern (Yellow-shafted) Flicker 4; Northern (Red-shafted) Flicker 2; Horned Lark 481; Blue Jay 9; Black-billed Magpie 12; American Crow 43; Black-capped Chickadee 2; White-breasted Nuthatch 2; Townsend's Solitaire 1; American Robin 9; European Starling 443; Northern Cardinal 12; Rufous-sided Towhee 2; American Tree Sparrow 131; White-crowned Sparrow 2; Harris' Sparrow 58; Dark-eyed Junco ssp. 50; Lapland Longspur 103; Red-winged Blackbird 8; Western Meadowlark 35; Common Grackle 1; Brown-headed Cowbird 2; House Finch 42; Pine Siskin 26; American Goldfinch 13; House Sparrow 543. Total 38 species, about 2246 individuals. Seen in area during count period, but not on count day - American Kestrel, Northern Mockingbird, Cedar Waxwing.

Maurice Bluemer, George and Margaret Cole, Joleen Fromm, Lawrence Herbert, Jean Kirkpatrick, Hazel Moore, Janell O'Keefe (compiler - Jetmore Star Rt., Dodge City, KS 67801), James and Tom Shelden, Kay Lynn Smith.

Elk City Reservoir. 37° 15' N, 95° 51' W. Center Card Creek, 7 mi W of Independence, Ks. Habitat coverage: cultivated fields 40%, lake front 30%, hedgerow 20%, woodland 10%. December 22, 1984. 7:00 a.m. to 4:00 p.m., 30°F to 52°F; wind SW, 0-5 m.p.h.; waters open, clear. Three observers in 1 party. Total party-hours 8 (1 on foot, 7 by car). Total party-miles 105 (1 on foot, 104 by car).

Great Blue Heron 1; Greater White-fronted Goose 125; Snow Goose (white morph) 3500; Snow Goose (blue morph) 3500; Canada Goose 350; Mallard 13,000; Gadwall 1000; American Wigeon 2000; Redhead 50; Lesser Scaup 800; Common Merganser 25; Bald Eagle 2; Northern Harrier 5; Red-tailed Hawk 9; American Coot 750; Ring-billed Gull 7; Rock Dove 32; Mourning Dove 1; Belted Kingfisher 1; Red-bellied Woodpecker 2; Downy Woodpecker 3; Northern (Yellow-shafted) Flicker 5; Northern (Red-shafted) Flicker 2; Blue Jay 16; American Crow 19; Black-capped Chickadee 7; Tufted Titmouse 1; Eastern Bluebird 7; American

Robin 310; Northern Mockingbird 1; Loggerhead Shrike 2; European Starling 33; Northern Cardinal 16; American Tree Sparrow 16; Song Sparrow 2; White-crowned Sparrow 2; Harris' Sparrow 39; Dark-eyed Junco ssp. 55; Red-winged Blackbird 52; Eastern Meadowlark 60; Brown-headed Cowbird 121; American Goldfinch 8; House Sparrow 50. Total 44 species (1 additional subspecies), about 25,987 individuals.

Hilbert and Sylvia Albright (compiler - Box 258, Longton, KS 67352), Joe Nichols.

Emporia. 38° 27' N, 96° 05' W. Center 1 mi 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 16, 1984. 6:00 a.m. to 6:30 p.m., 39°F to 62°F, wind SW, 5-20 m.p.h., waters open, clear. Thirty observers in 11 parties and 2 observers at feeders. Total party-hours 96 (52 on foot, 44 by car) plus 3 hrs. owling and 8 hrs. at feeders. Total party-miles 644 (66 on foot, 578 by car) and 4 miles owling.

Great Blue Heron 3; Canada Goose 29; Mallard 1156; Northern Pintail 2; American Wigeon 5; Canvasback 1; Lesser Scaup 15; White-winged Scoter 1 (excellent details - Ed.); Common Goldeneye 49; Bufflehead 15; Common Merganser 15; Ruddy Duck 6; Bald Eagle 55; Sharp-shinned Hawk 4; Cooper's Hawk 1; Red-tailed Hawk 77; Rough-legged Hawk 3; American Kestrel 15; Merlin 1 (excellent details - Ed.); Prairie Falcon 2; Ring-necked Pheasant 8; Greater Prairie-chicken 83; Northern Bobwhite 59; Killdeer 1; Ring-billed Gull 862; Rock Dove 31; Mourning Dove 307; Eastern Screech-owl 1; Great Horned Owl 16; Barred Owl 11; Long-eared Owl 1; Short-eared Owl 3; Belted Kingfisher 5; Red-headed Woodpecker 17; Red-bellied Woodpecker 67; Yellow-bellied Sapsucker 2; Downy Woodpecker 58; Hairy Woodpecker 16; Northern (Yellow-shafted) Flicker 83; Northern (Red-shafted) Flicker 1; Pileated Woodpecker 2; Horned Lark 1662; Blue Jay 156; American Crow 265; Black-capped Chickadee 455; Tufted Titmouse 79; Red-breasted Nuthatch 1; White-breasted Nuthatch 47; Brown Creeper 6; Carolina Wren 2; Golden-crowned Kinglet 3; Ruby-crowned Kinglet 1; Eastern Bluebird 8; American Robin 317; Northern Mockingbird 2; Loggerhead Shrike 17; European Starling 2758; Yellow-rumped (Myrtle) Warbler 1; Northern Cardinal 194; Rufous-sided Towhee 4; American Tree Sparrow 1044; Field Sparrow 2; Fox Sparrow 1; Song Sparrow 24; Lincoln's Sparrow 6; Harris' Sparrow 272; Dark-eyed (Slate-colored) Junco 389; Slate-colored (Oregon) Junco 2; Lapland Longspur 991; Smith's Longspur 24 (excellent details - Ed.); Red-winged Blackbird 2436; Eastern Meadowlark 198; Western Meadowlark 2; *Sturnella* sp. 132; Rusty Blackbird 1; Brewer's Blackbird 115; Common Grackle 38; Brown-headed Cowbird 451; Northern (Baltimore) Oriole 1 (excellent details - Ed.); American Goldfinch 485; House Sparrow 868. Total 78 species (2 additional subspecies), about 16,549 individuals.

Jay Barber, Lorrie Beck, David Blew, Mark Crane, Chris Dipple, Brian Fletcher, Lloyd Fox, Charles and Nathan Hall, Mary Hedrick, Brian and Marvin Kuehn, Richard Laird, Alberta McFadden, Paul Milks, Doug Neufeld, John Parrish, Don Patton, Stan Perry, Tod Reeder, Dave Saunders, Ed Schulenberg, Jean Schulenberg (compiler - Rt. 2, Box 36, Admire, KS 66830), Marvin Schwilling, Scott Seltman, Lisa and Tim Stephens, Kathleen Tabor, Steve Taylor, Dan Williamson.

Fostoria. 39° 30' N, 96° 30' W. Center 3 mi N of Fostoria, Ks. Habitat coverage: grassland 55%, oldfields and fencerows 25%, cultivated fields 14%, upland deciduous forest 5%, lakes and creeks 1%. December 28, 1984. 8:00 a.m. to 5:00 p.m.; 30°F to 50°F; wind NW up to 22 m.p.h.; overcast, waters frozen, snow cover.

Four observers in 1 party. Total party-hours 8 (1 on foot, 7 by car). Total party-miles 8.

Bald Eagle 1; Red-tailed Hawk 3; American Kestrel 6; Rock Dove 2; Barred Owl 1; Red-bellied Woodpecker 7; Downy Woodpecker 3; Northern (Yellow-shafted) Flicker 7; Northern (Red-shafted) Flicker 3; Horned Lark 10; Blue Jay 21; American Crow 270; Black-capped Chickadee 22; Eastern Bluebird 14; American Robin 600; European Starling 30; Northern Cardinal 8; American Tree Sparrow 200; Harris' Sparrow 16; Dark-eyed (Slate-colored) Junco 85; Dark-eyed (Oregon) Junco 18; Red-winged Blackbird 1150; Common Grackle 14; Pine Siskin 10; American Goldfinch 54; House Sparrow 400. Total 26 species (2 additional subspecies), about 2955 individuals. Seen in area during count period, but not on count day - Greater Prairie-chicken, Northern Bobwhite, Great Horned Owl.

Bernard and Rowena Plummer, Eunice (compiler - Box 5, Fostoria, KS 66426) and Howard Webster.

Garden City. 37.9° N, 100.9° W. Center junction of U.S. 83 spur and U.S. 50. Habitat coverage: residential areas 35%, sand-sage prairie 24%, riparian woodland 24%, pond at the zoo 5%. January 3, 1985. 8:00 a.m. to 5:00 p.m. 14°F to 30°F; wind, 0-10 m.p.h.; water mostly frozen, no snow cover, clear. One observer in 1 party plus 1 at feeder. Total party-hours 8 plus 2 at feeders. Total party-miles 33 (30 by car, 3 on foot).

Green-winged Teal 450; Mallard 700; Northern Pintail 1; American Wigeon 1; Bald Eagle 1; Northern Harrier 4; Red-tailed Hawk 1; Ferruginous Hawk 1; Rough-legged Hawk 3; American Kestrel 2; Rock Dove 25; Green Horned Owl 2; Downy Woodpecker 3; Hairy Woodpecker 2; Northern (Red-shafted) Flicker 1; Horned Lark 515; American Crow 4; Black-billed Magpie 22; Black-capped Chickadee 4; Red-breasted Nuthatch 5; White-breasted Nuthatch 1; Brown Creeper 2; American Robin 4; European Starling 1185; Northern Cardinal 1; American Tree Sparrow 222; Song Sparrow 1; White-crowned Sparrow 24; White-throated Sparrow 8; Harris' Sparrow 31; Dark-eyed (Slate-colored) Junco 47; Dark-eyed (Oregon) Junco 9; Western Meadowlark 24; Brewer's Blackbird 1; House Finch 30; Pine Siskin 36; American Goldfinch 11; House Sparrow 905. Total 37 species (1 additional subspecies), about 4289 individuals. Seen in count area, but not on count day - Ring-necked Pheasant, Eastern Screech-owl.

Lawrence Herbert (compiler - 608 N. 11th, Garden City, KS 67846), Marie Osterbuhr.

Halstead-Newton. 38° 04' N, 97° 28' W. Center 5.75 mi 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 15, 1984. 7:00 a.m. to 5:00 p.m., 36°F to 42°F; wind N, 10-15 m.p.h.; waters open; no snow cover; overcast, foggy with intermittent moderate rain, about 100 yds visibility. Sixteen observers in 5 parties and 1 observer at feeders. Total party-hours 38 (10.5 on foot, 27.5 by car) plus 9 hrs at feeders. Total party-miles 293 (12 on foot, 281 by car).

Mallard 13, Northern Harrier 2, *Accipiter* sp. 2; Red-tailed Hawk 4; Red-tailed (Harlan's) Hawk 1; *Buteo* sp.3; American Kestrel 2; *Falco* sp. 2; Ring-necked Pheasant 15; Rock Dove 110; Mourning Dove 6; Great Horned Owl 5; Belted Kingfisher 1; Red-bellied Woodpecker 11; Downy Woodpecker 7; Hairy Woodpecker 4; Northern (Yellow-shafted) Flicker 11; Northern (Red-shafted) Flicker 1; Northern Flicker ssp. 9; Horned Lark 1140; Blue Jay 41; American Crow 111; Black-capped Chickadee 33; Tufted Titmouse 2; Red-breasted Nuthatch 5; White-breasted Nuthatch 1; Brown Creeper 3; American Robin 1; European Starling 2530; Northern Cardinal 71; American Tree Sparrow 108; Song Sparrow 4; White-throated Sparrow 1; Harris' Sparrow 656; Dark-eyed Junco ssp. 98; Lapland

Longspur 1608; Red-winged Blackbird 71; *Sturnella* sp. 395; Common Crackle 20; Brown-headed Cowbird 7; White-winged Crossbill 1 (excellent details-Ed.); American Goldfinch 45; House Sparrow 566. Total 38 species (2 additional subspecies), about 7727 individuals.

Bud Akin, Beulah Day, Marion Deckert, Paul G. Jantzen, Pete Janzen, David Kreider, Jay Newton (compiler—8 Tenth St. Court, Newton, KS 67114), Joan Phelan, Dwight Platt, Bob Reiger, Richard H. Schmidt, John Torline, Eric Wadud, Tom Warders, Bob Waltner, Steve Waltner, Joseph A. Yoder.

Hays. 38° 41' N, 99° 23' W. Center 3.5 mi S and 4 mi W of Hays, KS. Habitat coverage: residential areas 50%, riparian woodland 15%, oilfields and fencerows 10%, grassland 10%, lakes and rivers 10%, cultivated fields 5%. January 1, 1985. 8:00 a.m. to 5:00 p.m.; 10°F to 24°F; wind N, 5-15 m.p.h.; snow cover 0-1"; waters mostly frozen. Ten observers in 3 parties and 4 observers at feeders. Total party-hours 16.5 (3 on foot, 13.5 by car) and 9 hrs. at feeders. Total party-miles 180 (2 on foot, 178 by car).

Great Blue Heron 1; Canada Goose 5; Mallard 2; Bald Eagle 1; Northern Harrier 9; Red-tailed Hawk 7; Red-tailed (Harlan's) Hawk 1; Ferruginous Hawk 1; Rough-legged Hawk 3; *Buteo* sp. 3; Golden Eagle 1; American Kestrel 1; Ring-necked Pheasant 5; Rock Dove 286; Mourning Dove 1; Great Horned Owl 7; Belted Kingfisher 1; Red-bellied Woodpecker 2; Downy Woodpecker 7; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 1; Northern (Red-shafted) Flicker 6; Northern Flicker ssp. 2; Horned Lark 2200; Blue Jay 7; Black-billed Magpie 2; American Crow 112; Black-capped Chickadee 15; Red-breasted Nuthatch 1; White-breasted Nuthatch 2; Brown Creeper 1; Townsend's Solitaire 1; American Robin 26; European Starling 347; Northern Cardinal 10; Rufous-sided Towhee 2; American Tree Sparrow 147; Song Sparrow 3; White-crowned Sparrow 1; Harris' Sparrow 818; Dark-eyed (Slate-colored) Junco 31; Dark-eyed (Oregon) Junco 13; Dark-eyed Junco ssp. 5; Lapland Longspur 2400; Red-winged Blackbird 2030; Western Meadowlark 29; Brown-headed Cowbird 1; House Finch 67; Pine Siskin 52; American Goldfinch 23; Evening Grosbeak 3; House Sparrow 736. Total 46 species (3 additional subspecies), about 9439 individuals. Seen in area during count period, but not on count day—Sharp-shinned Hawk, Northern Mockingbird, Pine Grosbeak (excellent details-Ed.).

Earl Carlson, Donna Cooper (compiler—2906 Walnut, Hays, KS 67601), Ed and Genevia Dies, Ron Little, Katherine Mermis, Carl Nicholos, Howard Reynolds, Annie Laurie Steele, Dennis Zehr.

Hillsdale Reservoir. 38° 37' N, 94° 52' W. Center 2.5 mi W and 1 mi N of the junction of U.S. 169 and U.S. 68. Habitat coverage: riparian forest 45%, cultivated fields 20%, lakes and rivers 20%, oldfields and fencerows 5%, grassland 2%, coniferous stands 1%, residential areas 1%, swamps 5%, marsh 1%. January 5, 1985. 7:30 a.m. to 5:30 p.m.; 18°F to 42°F; wind calm; reservoir 60% ice-covered, ponds frozen, snow cover 5", clear. Seventeen observers in 7 parties. Total party-hours 35.5 (10.5 on foot, 25 by car) plus 0.5 hrs owling and 1.5 hrs. at feeders. Total party-miles 291 (13 on foot, 278 by car) and 5 miles owling.

Pied-billed Grebe 1; Double-crested Cormorant 2; Great Blue Heron 1; Snow Goose 35; Canada Goose 12; Mallard 89; Northern Pintail 20; Ring-necked Duck 1; Lesser Scaup 2; Common Goldeneye 3; Bufflehead 1; Hooded Merganser 1; Common Merganser 39; Bald Eagle 2; Northern Harrier 10; Coopers Hawk 1; Red-tailed Hawk 56; Rough-legged Hawk 4; American Kestrel 14; Prairie Falcon 1; Northern Bobwhite 41; Ring-billed Gull 226; Herring Gull 130; *Larus* sp. 1; Rock Dove 29; Mourning Dove 44; Great Horned Owl 2; Short-eared Owl 1; Belted Kingfisher 1; Red-headed Woodpecker 7; Red-bellied Woodpecker 30; Downy

Woodpecker 16; Hairy Woodpecker 5; Northern Flicker ssp. 23; Horned Lark 243; Blue Jay 71; American Crow 145; Black-capped Chickadee 112; Tufted Titmouse 6; Red-breasted Nuthatch 1; White-breasted Nuthatch 10; Brown Creeper 1; Winter Wren 1; Eastern Bluebird 6; American Robin 32; Northern Mockingbird 4; Cedar Waxwing 4; Loggerhead Shrike 6; European Starling 603; Northern Cardinal 603; American Tree Sparrow 654; Field Sparrow 41; Vesper Sparrow 3 (good details-Ed.); LeConte's Sparrow 1 (good details-Ed.); Song Sparrow 13; Swamp Sparrow 1; White-Crowned Sparrow 65; Harris' Sparrow 20; Dark-eyed Junco ssp. 215; Red-winged Blackbird 389; Eastern Meadowlark 194; Western Meadowlark 15; Common Redpoll 1 (good details-Ed.); Pine Siskin 26; American Goldfinch 120; House Sparrow 416. Total 65 species, about 4873 individuals.

Roger Boyd, Mark Crane, Steve and Bill Crawford, David and Mary Dunsmoor, Cory and Ken Emley, Dave Green, Bob and Marilyn Harrington, Dan Haines, Mike Mueller (compiler-Hillsdale Lake, Route 3, Paola, KS 66071), Jessica and Patty Mueller, Martin Pressgrove, Dan Williamson.

Junction City. 39° 00' N, 96° 53' W. Center I-70 roadside park SW Junction City. Habitat coverage: grasslands 33%, cultivated fields 15%, lakes and rivers 15%, coniferous stands 10%, oldfields and fencerows 10%, upland deciduous forest 5%, riparian forest 5%, marsh 5%, residential areas 2%. December 23, 1984. 3:00 a.m. to 8:00 p.m.; 17°F to 45°F; wind N, 10 m.p.h.; waters 5% frozen; no snow cover; clear. Seventeen observers in 8 parties and 1 observer at feeders. Total party-hours 56 (19 on foot, 37 by car) plus 5 hrs. owling and 1 hr. at feeders. Total party-miles 361 (26 on foot, 335 by car) and 25 miles owling.

Pied-billed Grebe 13; Double-crested Cormorant 6; Great Blue Heron 10; Canada Goose 30; Green-winged Teal 8; Mallard 264; Northern Pintail 1; Gadwall 85; American Wigeon 6; Canvasback 2; Redhead 6; Ring-necked Duck 3; Lesser Scaup 39; Oldsquaw 1 (excellent details - Ed.); Common Goldeneye 160; Hooded Merganser 1; Common Merganser 398; Bald Eagle 4; Northern Harrier 14; Sharp-shinned Hawk 2; Red-tailed Hawk 67; Red-tailed (Harlan's) Hawk 2; Rough-legged Hawk 3; American Kestrel 23; Prairie Falcon 1; Ring-necked Pheasant 3; Northern Bobwhite 71; Ring-billed Gull 1533; Herring Gull 13; Rock Dove 60; Mourning Dove 10; Eastern Screech-owl 4; Great Horned Owl 8; Barred Owl 6; Belted Kingfisher 9; Red-headed Woodpecker 2; Red-bellied Woodpecker 41; Yellow-bellied Sapsucker 1; Downy Woodpecker 26; Hairy Woodpecker 6; Northern (Yellow-shafted) Flicker 54; Northern (Red-shafted) Flicker 6; Northern Flicker ssp. 5; Horned Lark 5; Blue Jay 79; American Crow 346; Black-capped Chickadee 184; Tufted Titmouse 23; White-breasted Nuthatch 21; Brown Creeper 19; Winter Wren 2; Golden-crowned Kinglet 4; Eastern Bluebird 16; American Robin 877; Cedar Waxwing 2; Loggerhead Shrike 3; European Starling 439; Yellow-rumped (Myrtle) Warbler 5; Northern Cardinal 148; Rufous-sided Towhee 3; American Tree Sparrow 2289; Song Sparrow 105; Swamp Sparrow 4; White-crowned Sparrow 8; Harris' Sparrow 763; Dark-eyed (Slate-colored) Junco 492; Red-winged Blackbird 987; Eastern Meadowlark 1; Western Meadowlark 265; *Sturnella* sp. 214; Rusty Blackbird 2; Brewer's Blackbird 3; Common Grackle 1; Brown-headed Cowbird 10; Pine Siskin 88; American Goldfinch 135; House Sparrow 719. Total 73 species (2 additional subspecies), about 11,269 individuals. Seen in area during count period, but not on count day - Northern Shoveler, Greater Prairie-chicken, Long-eared Owl, Bewick's Wren, Fox Sparrow, Purple Finch.

C. Best, J. Brier, L. Combs, D. Danskin, M. Donnelly, K. Fay, A. Jackson, Dan, John and Bob LaShelle (compiler - 103½ S. Washington, Junction City, KS 66441), Eulalia and Gene Lewis, B. Risk, N. Schanker, C. Smith, C. White, J. Zimmerman.

Kingman Wildlife Area. 37° 38' N, 98° 16' W. Center Headquarters Kingman Wildlife Area, Ks. Habitat coverage: cultivated fields 50%, grassland 35%, old-fields and fencerows 5%, riparian woodland 5%, lakes and rivers 5%. December 31, 1984. 8:00 a.m. to 5:00 p.m., 18°F to 28°F; wind NNW, 5-10 m.p.h.; waters partly frozen; snow cover 1-3"; A.M. overcast, fog with intermittent light freezing rain, P.M. intermittent light sleet and freezing rain. Five observers in 2 parties. Total party hours 11 (3 on foot, 8 by car). Total party-miles 98.

Canada Goose 185; Mallard 40; Ring-necked Duck 35; Lesser Scaup 4; Northern Harrier 3; Red-tailed Hawk 7; Ferruginous Hawk 1; American Kestrel 1; Ring-necked Pheasant 1; Killdeer 3; Ring-billed Gull 2; Rock Dove 6; Belted Kingfisher 2; Red-bellied Woodpecker 5; Downy Woodpecker 5; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 5; Northern (Red-shafted) Flicker 1; Horned Lark 246; American Crow 26; Black-capped Chickadee 12; White-breasted Nuthatch 1; European Starling 161; Northern Cardinal 11; American Tree Sparrow 106; Song Sparrow 6; Harris' Sparrow 176; Dark-eyed (Slate-colored) Junco 57; Dark-eyed (Oregon) Junco 4; Lapland Longspur 1; Red-winged Blackbird 370; Eastern Meadowlark 16; Brown-headed Cowbird 3; American Goldfinch 10; House Sparrow 77. Total 33 species (2 additional subspecies), about 1590 individuals. Seen in area during count period, but not on count day - Common Goldeneye, Herring Gull, Golden-crowned Kinglet, Brewer's Blackbird.

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

Lawrence. 39° 00' N, 95° 18' W. Center 1.5 mi. N and 2.7 mi. W. of junction U.S. 40 and U.S. 59, northwest Lawrence. Habitat coverage: upland deciduous forest 26%, oldfields and fencerows 23%, riparian forest 13%, grassland 10%, cultivated fields 9%, residential areas 8%, lakes and rivers 7%, coniferous stands 2%, marsh 2%. December 15, 1984. 6:00 a.m. to 5:30 p.m., 35°F to 72°F; wind SE, 5-15 m.p.h.; water open; no snow cover; overcast with intermittent moderate rain in A.M., partly cloudy in P.M. Twenty-six observers in 10 parties. Total party-hour 74.5 (37.5 on foot, 37 by car) plus 2.75 hrs. owling and 2 hrs. at feeders. Total party-miles 490 (45 on foot, 445 by car) and 15 miles owling.

Great Blue Heron 2; Snow Goose (blue morph) 2; Canada Goose 5; Green-winged Teal 62; Mallard 488; Lesser Scaup 1; Common Goldeneye 254; Common Merganser 1300; Bald Eagle 16; Northern Harrier 25; Sharp-shinned Hawk 5; *Accipiter* sp. 1; Red-tailed Hawk 91; Rough-legged Hawk 4; *Buteo* sp. 2; American Kestrel 31; Merlin 1 (excellent details - Ed.); *Falco* sp. 1; Prairie Falcon 1; Northern Bobwhite 21; Killdeer 1; Ring-billed Gull 700; Herring Gull 9; *Larus* sp. 150; Rock Dove 244; Mourning Dove 24; Eastern Screech-owl 4; Great Horned Owl 7; Barred Owl 1; Belted Kingfisher 3; Red-headed Woodpecker 43; Red-bellied Woodpecker 56; Yellow-bellied Sapsucker 1; Downy Woodpecker 51; Hairy Woodpecker 7; Northern (Yellow-shafted) Flicker 50; Northern Flicker ssp. 15; Horned Lark 100; Blue Jay 112; American Crow 373; Black-capped Chickadee 169; Tufted Titmouse 37; White-breasted Nuthatch 22; Brown Creeper 10; Carolina Wren 1; Golden-crowned Kinglet 7; Eastern Bluebird 32; Hermit Thrush 1 (excellent details - Ed.); American Robin 665; Northern Mockingbird 2; Cedar Waxwing 83; Loggerhead Shrike 18; European Starling 1140; Northern Cardinal 198; American Tree Sparrow 850; Savannah Sparrow 6 (excellent details - Ed.); Fox Sparrow 1; Song Sparrow 50; Swamp Sparrow 5; White-throated Sparrow 1; White-crowned Sparrow 22; Harris' Sparrow 74; Dark-eyed (Slate-colored) Junco 382; Dark-eyed (Oregon) Junco 6; Dark-eyed Junco ssp. 153; Red-winged Blackbird 800; Eastern Meadowlark 105; Western Meadowlark 1; *Sturnella* sp. 200; Rusty Blackbird 335; Brewer's Blackbird 2; Common Grackle 1; Brown-headed

Cowbird 32; Purple Finch 1; Pine Siskin 43; American Goldfinch 161; House Sparrow 1760. Total 69 species (1 additional subspecies), about 11,640 individuals. Seen in area during count period, but not on count day - Ring-necked Pheasant.

Mary Allen, Bob Antonio, Byron Berger, Calvin Cink, Brent Danielson, Carol Estes, Ruth Fauhl, Henry Fitch, Michael Gaume, John Harms, Joe Hyde, Terri Lastovicka, Kathy Matthews, Galen Pittman (compiler - 611 W. 29th Pl., Lawrence, KS 66046), Pam Rasmussen, Richard and Bob Rucker, Dave Seibel, Ed and Cynthia Shaw, John Simmons, Jean Spinazola, Pennie vonAchen, Ron and Joyce Wolf, Kim Wollter (Jayhawk Audubon Society).

Linn County. 38° 17' N, 94° 45' W. Center 5.5 mi. NE of SW corner Unit G (which is 2 mi. W and 0.5 mi. N of Boicourt, Ks), Marais des Cygnes Wildlife Area. Habitat coverage: lakes and rivers 35%, cultivated field 25%, riparian forest 25%, marsh 10%, residential areas 5%. December 29, 1984. 6:00 a.m. to 5:00 p.m., 30°F to 50°F; wind N, 15 m.p.h. Fourteen observers in 6 parties and 1 observer at feeders. Total party-hours 36 (1 on foot, 35 by car) plus 1.5 hrs. owling and 2 hrs. at feeders. Total party-miles 350 (1 on foot, 349 by car) and 4 miles owling.

Pied-billed Grebe 7; Double-crested Cormorant 20; Great Blue Heron 12; Snow Goose (white morph) 3010; Snow Goose (blue morph) 2005; Canada Goose 15,000; Green-winged Teal 25; Mallard 8000; Northern Shoveler 1; Redhead 5; Ring-necked Duck 20; Lesser Scaup 20; Common Goldeneye 1; Common Merganser 250; Bald Eagle 3; Northern Harrier 16; Sharp-shinned Hawk 1; Red-tailed Hawk 38; Red-tailed (Harlan's) Hawk 3; Rough-legged Hawk 1; American Kestrel 25; Ring-billed Gull 152; Rock Dove 42; Mourning Dove 8; Great Horned Owl 3; Barred Owl 3; Belted Kingfisher 1; Red-headed Woodpecker 44; Red-bellied Woodpecker 31; Yellow-bellied Sapsucker 1; Downy Woodpecker 15; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 22; Northern (Red-shafted) Flicker 1; Pileated Woodpecker 1; Horned Lark 836; Blue Jay 225; American Crow 70; Black-capped Chickadee 43; Tufted Titmouse 22; White-breasted Nuthatch 20; Eastern Bluebird 24; American Robin 261; Cedar Waxwing 14; Loggerhead Shrike 7; European Starling 211; Northern Cardinal 193; American Tree Sparrow 225; Fox Sparrow 1; Song Sparrow 16; Swamp Sparrow 2; White-throated Sparrow 3; White-crowned Sparrow 78; Harris' Sparrow 60; Dark-eyed (Slate-colored) Junco 691; Dark-eyed (Oregon) Junco 2; Lapland Longspur 6; Red-winged Blackbird 616; Eastern Meadowlark 29; *Sturnella* sp. 160; Rusty Blackbird 8; Common Grackle 3; Brown-headed Cowbird 6; Common Redpoll 1; (no details - Ed.); American Goldfinch 79; House Sparrow 680. Total 61 species (3 additional subspecies), about 33,381 individuals.

Kathy Bannister, Dale Bergerhofer, Roger Boyd, Steve Crawford, Virginia Fyock, Terry Heiser, Jane Leo, Barbara (compiler - Rt. 3, 1110 7th St., Baldwin City, KS 66006) and Martin Pressgrove, David Rintoul, Tom Schaad, Mary Ann Waisanen, Julianne Welsh, Ruth Welti, Frank Wood.

Manhattan. 39° 11' N, 96° 34' W. Center Anderson Hall, Kansas State University campus. Habitat coverage: riparian forest 22%, upland deciduous forest 20%, lakes and rivers 15%, oldfields and fencerows 12%, grassland 11%, cultivated field 9%, residential areas 5%, coniferous stands 4%, marsh 2%. December 22, 1984. 12:30 a.m. to 5:15 p.m.; 23°F to 48°F; wind WNW, 0-10 m.p.h.; waters open; 0'' snow cover; clear in A.M., partly cloudy in P.M. Seventy-six observers in 20 parties and 3 observers at feeders. Total party-hours 186 (116 on foot, 61.5 by car,

8.5 by canoe) plus 4.5 hrs. owling and 3.5 hrs. at feeders. Total party-miles 518.5 (110.5 on foot, 391 by car, 17 by canoe) and 5 miles owling.

American White Pelican 2 (excellent details - Ed.); Double-crested Cormorant 16; Great Blue Heron 36; Canada Goose 136; Green-winged Teal 26; Mallard 2831; Northern Pintail 1; Blue-winged Teal 5; Northern Shoveler 1; Gadwall 126; Canvasback 2; Redhead 55; Ring-necked Duck 4; Lesser Scaup 55; Common Goldeneye 188; Bufflehead 21; Common Merganser 473; Ruddy Duck 7 (good details - Ed.); Bald Eagle 42; Northern Harrier 20; Sharp-shinned Hawk 2; Cooper's Hawk 1; Red-tailed Hawk 91; Red-tailed (Harlan's) Hawk 9; Rough-legged Hawk 5; American Kestrel 58; Prairie Falcon 4; Ring-necked Pheasant 11; Greater Prairie-chicken 26; Wild Turkey 8; Northern Bobwhite 157; Killdeer 5; Common Snipe 2; Ring-billed Gull 3829; Herring Gull 154; Rock Dove 385; Mourning Dove 64; Eastern Screech-owl 11; Great Horned Owl 21; Barred Owl 2; Short-eared Owl 1; Belted Kingfisher 26; Red-headed Woodpecker 9; Red-bellied Woodpecker 120; Yellow-bellied Sapsucker 4; Downy Woodpecker 108; Hairy Woodpecker 41; Northern (Yellow-shafted) Flicker 122; Northern (Red-shafted) Flicker 6; Northern Flicker ssp. 18; Horned Lark 109; Blue Jay 244; American Crow 1795; Black-capped Chickadee 543; Tufted Titmouse 50; Red-breasted Nuthatch 3; White-breasted Nuthatch 108; Brown Creeper 13; Bewick's Wren 2; Golden-crowned Kinglet 33; Ruby-crowned Kinglet 2; Eastern Bluebird 64; Townsend's Solitaire 2; American Robin 769; Northern Mockingbird 1; Brown Thrasher 1; Cedar Waxwing 39; Loggerhead Shrike 4; European Starling 1232; Yellow-rumped (Myrtle) Warbler 2; Northern Cardinal 494; Rufous-sided Towhee 1; American Tree Sparrow 2247; Field Sparrow 4; Fox Sparrow 2; Song Sparrow 44; Lincoln's Sparrow 7; Swamp Sparrow 1; White-crowned Sparrow 4; Harris' Sparrow 514; Dark-eyed (Slate-colored) Junco 1212; Dark-eyed (Oregon) Junco 26; Red-winged Blackbird 867; Eastern Meadowlark 22; Western Meadowlark 241; *Sturnella* sp. 139; Yellow-headed Blackbird 50 (good details - Ed.); Rusty Blackbird 2; Brewer's Blackbird 250; Common Grackle 1; Brown-headed Cowbird 107; Purple Finch 2; Pine Siskin 310; American Goldfinch 600; House Sparrow 1662. Total 90 species (3 additional subspecies), about 23,172 individuals. Seen in area during count period but not on count day - Winter Wren.

Patsy Alves, Hiro and Nami Aoki, Cecil Best, Phil Bollinger, Ginny Brazzle, John Briggs, Melissa Brown, Sue Brown, Ted Cable, Terry Campbell, Ric Carter, Sharon Collinge, Morris Crisler, David Danskin, Maxwell and Michael Donnelly, Pat Drees, Chris Ellis, Kevin Fay, Phil Fay, Elmer and Lavonne Finck, Esther Flemming, John and Nate Folland, Terri Fosha, Joyce Frey, Jim Funderburgh, Marty Gooden, Todd Goodman, LeAnn Harrell, Karen Holmes, Lowell Johnson, Tom Kelley, Duane Kerr, Ron Klataske, Angel Kwolek-Folland, Jim Lickey, Charlotte Lorenzen, Carl and Dick Marzolf, Dan McCulley, Bruce McEnroe, Tim McGrath, Marge Muezenberger, Dan Mulhern, Kay Olson, Carol Pacey, Linda Pease, Ed and Sil Pembleton, Ted Pittenger, Tate Posey, Gary Radke, Lee Railsback, Dave Rintoul, Anne Rockhold, Tom Ryan, Neil Schanker, Gary Schiltz, Abigail, Nathaniel and Phoebe Siddall, Virginia Skinner, Chris Smith, Guy Smith, Mark Swiggle, Dana and Harvard Townsend, Steve Travers, Roger Vasconcellez, Ruth Welti, Greg Wurst, Jan and John Zimmerman (compiler - Div. Biology, Ackert Hall, Kansas State University, Manhattan, KS 66506) (Northern Flint Hills Audubon Society).

Meade County. 37° 15' N, 100° 20' W. Center 1.5 miles south of Meade, Ks. on highway K23. Habitat coverage: riparian woodland 50%, lakes and rivers 20%, residential areas 15%, cultivated fields 10%, oldfields and fencerows 5%. December 29, 1984. 7:00 a.m. to 4 p.m.; 30°F to 20°F; wind S. 5-20 m.p.h.; waters open; dense fog deteriorating to freezing rain by noon. Two observers in 2 parties and 2 observers at feeders. Total party-hours 10 (8 on foot, 2 by car) plus 4 hrs. at feeders. Total party-miles 68 (7 on foot, 61 by car).

Canada Goose 2500; Mallard 54; Bald Eagle 1; Red-tailed Hawk 7; Rough-legged Hawk 2; American Kestrel 1; Wild Turkey 11; Northern Bobwhite 2; Great Horned Owl 3; Belted Kingfisher 3; Downy Woodpecker 2; Hairy Woodpecker 2; Northern (Red-shafted) Flicker 1; Horned Lark 5; Black-billed Magpie 2; American Crow 13; White-breasted Nuthatch 1; American Robin 3; European Starling 116; Northern Cardinal 2; American Tree Sparrow 21; White-crowned Sparrow 7; Harris' Sparrow 33; Dark-eyed (Slate-colored) Junco 21; Dark-eyed (Oregon) Junco 36; Lapland Longspur 659; Red-winged Blackbird 55; Brewer's Blackbird 1; Purple Finch 1 (excellent details - Ed.); House Finch 45; Pine Siskin 3; House Sparrow 38. Total 32 species, about 3651 individuals. Seen in area during count period, but not on count day - Greater White-fronted Goose, Snow Goose, Green-winged Teal, American Wigeon, Common Goldeneye, Common Merganser, Northern Harrier, Ferruginous Hawk, Golden Eagle, Prairie Falcon, Ring-necked Pheasant, Rock Dove, Mourning Dove, Barn Owl, Red-bellied Woodpecker, unidentified swallow (either Rough-winged or imm. Tree), Brown Creeper, Loggerhead Shrike, Western Meadowlark and Rusty Blackbird.

Tom Flowers (compiler - P.O. Box 87, Meade, KS 67864) and Ron Mellard.

Olathe. 38° 52' N, 94° 50' W. Center junction U.S. 56 and K7 highways. Habitat coverage: riparian forest 20%, cultivated fields 20%, lakes and rivers 20%, residential areas 15%, upland deciduous forest 10%, oldfields and fencerows 10%, grassland 5%. January 2, 1985. 7:30 a.m. to 4:30 p.m., -2°F to 21°F; wind N, 0-5 m.p.h.; waters mostly frozen; 3-7 in snow cover; clear. Five observers in 2 parties and 3 observers at feeders. Total party-hours 12 (3 on foot, 9 by car) and 16 hrs. at feeders. Total party-miles 138 (2 on foot, 136 by car).

Canada Goose 6; Mallard 159; Gadwall 35; American Wigeon 10; Common Goldeneye 3; Red-tailed Hawk 15; American Kestrel 3; Rock Dove 31; Great Horned Owl 4; Red-bellied Woodpecker 12; Downy Woodpecker 18; Hairy Woodpecker 5; Northern (Yellow-shafted) Flicker 2; Horned Lark 77; Blue Jay 89; American Crow 34; Black-capped Chickadee 70; Tufted Titmouse 14; Red-breasted Nuthatch 1; White-breasted Nuthatch 6; American Robin 1; Loggerhead Shrike 1; European Starling 204; Northern Cardinal 121; American Tree Sparrow 51; Field Sparrow 8; Fox Sparrow 1; Song Sparrow 6; Lincoln's Sparrow 1; Swamp Sparrow 1; White-throated Sparrow 7; White-crowned Sparrow 1; Harris' Sparrow 4; Dark-eyed (Slate-colored) Junco 263; Dark-eyed (Oregon) Junco 1; Red-winged Blackbird 29; Eastern Meadowlark 17; Common Grackle 1; Pine Siskin 31; American Goldfinch 69; House Sparrow 145. Total 40 species (1 additional subspecies), about 1557 individuals. Seen in area during count period, but not on count day - Snow Goose, Rough-legged Hawk, Eastern Screech-owl and Red-headed Woodpecker.

Byron Berger, Roger Boyd, Patrick Clark, Mark Corder, Steve Crawford (compiler - 21465 W. 180th, Olathe, KS 66061), Kay McDougal, Carol and Wendell Mohling.

Oskaloosa-Perry Lake. 39° 12' N, 95° 24' W. Center entrance to Camp Jayhawk, BSA (NE corner of section 9, T10S, R18E). Habitat coverage: upland deciduous forest 27%, oldfields and fencerows 24%, lake 19%, riparian forest 9%, grassland 8%, cultivated fields 7%, residential areas 6%. December 29, 1984. 7:30 a.m. to 5:30 p.m., 22°F to 31°F; wind NE, 5-24 m.p.h.; waters open; no snow cover; overcast with freezing rain in A.M. becoming intermittent freezing rain in P.M. Fourteen observers in 5 parties. Total party-hours 42.5 (13 on foot, 29.5 by car) plus 1.5 hrs. owling. Total party-miles 402 (15 on foot, 387 by car) and 14 miles owling.

Canada Goose 6; Green-winged Teal 4; Mallard 607; Gadwall 3; Common Goldeneye 30; Common Merganser 2264; Bald Eagle 23; Northern Harrier 8; Sharp-shinned Hawk 1; Red-tailed Hawk 38; Rough-legged Hawk 1; *Buteo* sp. 2;

American Kestrel 3; Ring-necked Pheasant 2; Wild Turkey 11; Northern Bobwhite 70; Ring-billed Gull 88; Herring Gull 27; Glaucous Gull 1 (good details - Ed.); *Larus* sp. 3; Rock Dove 2; Great Horned Owl 2; Belted Kingfisher 2; Red-headed Woodpecker 7; Red-bellied Woodpecker 26; Yellow-bellied Sapsucker 2; Downy Woodpecker 38; Hairy Woodpecker 6; Northern (Yellow-shafted) Flicker 19; Northern Flicker ssp. 8; Horned Lark 55; Blue Jay 63; American Crow 106; Black-capped Chickadee 82; Tufted Titmouse 24; White-breasted Nuthatch 17; Golden-crowned Kinglet 3; Eastern Bluebird 10; American Robin 113; Northern Mockingbird 1; Cedar Waxwing 53; Loggerhead Shrike 2; European Starling 732; Yellow-rumped (Myrtle) Warbler 1; Northern Cardinal 183; American Tree Sparrow 796; Song Sparrow 4; White-crowned Sparrow 2; Harris' Sparrow 163; Dark-eyed (Slate-colored) Junco 362; Dark-eyed (Oregon) Junco 12; Dark-eyed Junco ssp. 368; Red-winged Blackbird 501; Eastern Meadowlark 1; *Sturnella* sp. 87; Rusty Blackbird 30; Brewer's Blackbird 7; American Goldfinch 67; House Sparrow 338. Total 53 species (1 additional subspecies), about 7487 individuals. Seen in area during count period, but not on count day - Pied-billed Grebe, Double-crested Cormorant and White-throated Sparrow.

Byron Berger, Joanne Brier, Dick Dixon, David and Mary Dunsmoor, Ruth Fauhl, Jennifer Jones, Eugene R. and Eulalia M. Lewis, Bob and Richard Rucker (compiler - 1522 Tennessee, Lawrence, KS 66044), Chris Smith, Roseanne Smith, Alan Zarley.

Pomona Reservoir. 38° 41' N, 95° 41' W. Center intersection of U.S. 75 and Dragoon Creek. Habitat coverage: oldfields and fencerows 30%, riparian forest 25%, lakes and rivers 15%, cultivated fields 10%, upland deciduous forest 10%, grassland 5%, residential areas 5%. December 22, 1984. 7:30 a.m. to 5:30 p.m., 25°F to 44°F; wind S, 0-5 m.p.h.; waters open; no snow cover; partly cloudy A.M., clear P.M. Nineteen observers in 7 parties. Total party-hours 62 (28 on foot, 34 by car) plus 0.5 hrs. owling. Total party-miles 397 (22 on foot, 375 by car) and 5 miles owling.

Pied-billed Grebe 1; Eared Grebe 1 (excellent details - Ed.); Double-crested Cormorant 5; Great Blue Heron 2; Snow Goose (white morph) 30; Canada Goose 68; Mallard 248; Blue-winged Teal 13; Northern Shoveler 1; Redhead 6; Lesser Scaup 2; Common Goldeneye 54; Bufflehead 4; Hooded Merganser 10; Common Merganser 2510; Bald Eagle 19; Northern Harrier 26; Red-tailed Hawk 107; Rough-legged Hawk 1; *Buteo* sp. 1; American Kestrel 27; Prairie Falcon 1; *Falco* sp. 1; Greater Prairie-chicken 23; Northern Bobwhite 114; American Coot 1; Ring-billed Gull 132; Herring Gull 2; *Larus* sp. 30; Rock Dove 20; Mourning Dove 51; Great Horned Owl 8; Barred Owl 3; Belted Kingfisher 3; Red-headed Woodpecker 2; Red-bellied Woodpecker 50; Downy Woodpecker 36; Hairy Woodpecker 7; Northern (Yellow-shafted) Flicker 57; Northern Flicker ssp. 11; Horned Lark 1145; Blue Jay 63; American Crow 265; Black-capped Chickadee 257; Tufted Titmouse 41; White-breasted Nuthatch 18; Eastern Bluebird 14; American Robin 345; Northern Mockingbird 5; Cedar Waxwing 2; Loggerhead Shrike 11; European Starling 739; Northern Cardinal 237; Rufous-sided Towhee 3; American Tree Sparrow 1788; Song Sparrow 1; White-crowned Sparrow 6; Harris' Sparrow 157; Dark-eyed (Slate-colored) Junco 149; Dark-eyed (Oregon) Junco 4; Dark-eyed Junco ssp. 92; Red-winged Blackbird 986; Eastern Meadowlark 87; Western Meadowlark 2; *Sturnella* sp. 263; Rusty Blackbird 150; Brewer's Blackbird 2; Common Grackle 2; Brown-headed Cowbird 206; Pine Siskin 1; American Goldfinch 41; House Sparrow 725. Total 65 species (1 additional subspecies), about 11,495 individuals.

Bob and Carol Culbertson, Richard Dixon, Dave and Mary Dunsmoor, Edith and Max Houser, E.M. and E.R. Lewis (compiler - 1285 MacVicar, Topeka, KS 66604), Sarah Merrill, Benny and Bob Rucker, Richard Rucker, Roseanne Smith, Jean Spinazola, John Standing, Bunnie and Mike Watkins, Daniel Williamson.

Quivira National Wildlife Refuge. 38° 09' N, 98° 29' W. Center old refuge subheadquarters, SE corner Sec. 11, T22S, R11W Stafford Co. Habitat coverage: grasslands 45%, cultivated fields 30%, marsh 20%, oldfields and fencerows 5%. December 20, 1983. 7:45 a.m. to 5:00 p.m., 29°F to 35°F; wind NW, 0-5 m.p.h.; dense fog, visibility 50-100 yards. Ten observers in 3 parties and 1 at feeders. Total party-hours 24 (5 on foot, 19 by car) plus 8 hrs at feeders. Total party-miles 163 (4 on foot, 159 by car).

Canada Goose 293; Mallard 100; Northern Pintail 1; Bald Eagle 5; Northern Harrier 10; Sharp-shinned Hawk 3; Cooper's Hawk 1; Red-tailed Hawk 7; Ferruginous Hawk 1; American Kestrel 6; Prairie Falcon 2; Ring-necked Pheasant 61; Northern Bobwhite 55; Rock Dove 5; Eastern Screech-owl 3; Great Horned Owl 4; Downy Woodpecker 7; Hairy Woodpecker 3; Northern (Yellow-shafted) Flicker 4; Northern (Red-shafted) Flicker 3; Northern Flicker ssp. 9; Horned Lark 332; Blue Jay 1; American Crow 25; Black-capped Chickadee 25; American Robin 4; European Starling 62; Yellow-rumped (Myrtle) Warbler 1; Northern Cardinal 3; American Tree Sparrow 725; Vesper Sparrow 2 (no details - Ed.); Song Sparrow 2; Harris' Sparrow 253; Dark-eyed (Slate-colored) Junco 33; Dark-eyed (Oregon) Junco 2; Lapland Longspur 2; Red-winged Blackbird 1698; *Sturnella* sp. 65; Brewer's Blackbird 2; Brown-headed Cowbird 1; American Goldfinch 14; House Sparrow 96. Total 39 species (2 additional subspecies), about 3,931 individuals. Seen in area during count period, but not on count day - Double-crested Cormorant, Snow Goose (white morph), Northern Shoveler, Common Goldeneye, Hooded Merganser, Killdeer, Ring-billed Gull, Snowy Owl, Red-bellied Woodpecker, Black-billed Magpie, Common Grackle.

David Blew, Wallace Champeny, Karen Clark (compiler - Quivira NWR, Rt. 3, Box 48A, Stafford, KS 67578), Jane Hershberger, Jim McCollum, Jay Newton, Ed and Sil Pembleton, Marvin Schwillig, Troy Sturgeon.

Reno County-Yoder. 37° 75' N, 97° 61' W. Center 3 mi S Yoder, Ks, intersection of Haven-Arlington Rd. and Yoder Rd. Habitat coverage: cultivated fields 55%, lakes and rivers 15%, grassland 15%, upland deciduous forest 10%, riparian woodland 5%. December 15, 1984. 7:00 a.m. to 5:00 p.m., 34°F to 36°F; wind NW, 0-10 m.p.h.; waters open; overcast with light intermittent rain in A.M., rain in P.M. Eleven observers in 5 parties and 1 observer at feeders. Total party-hours 28 (7 on foot, 21 by car) plus 8 hrs. at feeders. Total party-miles 228 (7.5 on foot, 220.5 by car).

American White Pelican 1 (excellent details - Ed.); Great Blue Heron 4; Canada Goose 5; Mallard 422; American Wigeon 4; Bald Eagle 2; Northern Harrier 6; Red-tailed Hawk 8; Ferruginous Hawk 2; Rough-legged Hawk 4; American Kestrel 9; Ring-necked Pheasant 34; American Coot 4; Common Snipe 9; Ring-billed Gull 29; Rock Dove 55; Great Horned Owl 2; Belted Kingfisher 3; Red-bellied Woodpecker 4; Downy Woodpecker 5; Hairy Woodpecker 1; Northern (Yellow-shafted) Flicker 3; Horned Lark 1936; Blue Jay 18; American Crow 552; Black-capped Chickadee 11; White-breasted Nuthatch 1; Eastern Bluebird 1; Loggerhead Shrike 1; European Starling 1028; Northern Cardinal 14; American Tree Sparrow 219; Song Sparrow 78; White-throated Sparrow 1; Harris' Sparrow 772; Dark-eyed (Slate-colored) Junco 63; Lapland Longspur 701; *Calcarius* sp. 4200; Red-winged Blackbird 555; Eastern Meadowlark 302; Western Meadowlark 153; Common Grackle 1; Brown-headed Cowbird 66; Pine Siskin 20; American Goldfinch 69; House Sparrow 942. Total 45 species, about 12,320 individuals. Seen in area during count period, but no on count day - Snow Goose, Prairie Falcon, Northern Mockingbird.

Randy and Mary Clark (compiler - 4207 E. 56th, Hutchinson, KS 67502), Lorena Combs, Rich Duerksen, Harry and Sharron Gregory, Wayne Hochstetler, Jay and Verna Miller, Bill Rogers, Mark and Kathie Rogers.

Salina. 38° 50' N, 97° 38' W. Center 1 mi W of 9th Street on State St., Salina, Ks. Habitat coverage: cultivated fields 45%, riparian woodland 15%, residential areas 12%, grassland 13%, coniferous stands 7%, oldfields and fencerows 4%, lakes and rivers 4%. December 16, 1984. 7:30 a.m. to 5:30 p.m., 34°F to 48°F; wind SE to SW, 10-17 m.p.h.; waters mostly open; no snow cover; clear. Twenty-two observers in 4 parties. Total party-hours 36 (14 on foot, 22 by car). Total party-miles 276 (14 on foot, 262 by car).

Pied-billed Grebe 1; Canada Goose 138; Mallard 109; Northern Pintail 6; Gadwall 88; American Wigeon 1; Common Goldeneye 14; Common Merganser 25; Northern Harrier 28; Sharp-shinned Hawk 1; Red-tailed Hawk 114; Red-tailed (Harlan's) Hawk 3; Rough-legged Hawk 3; American Kestrel 28; Prairie Falcon 3; Ring-necked Pheasant 51; Greater Prairie-chicken 2; Northern Bobwhite 60; American Coot 1; Ring-billed Gull 3; Rock Dove 405; Eastern Screech-owl 1; Great Horned Owl 6; Long-eared Owl 1; Short-eared Owl 2; Belted Kingfisher 5; Red-bellied Woodpecker 13; Yellow-bellied Sapsucker 2; Downy Woodpecker 22; Hairy Woodpecker 4; Northern (Yellow-shafted) Flicker 6; Northern (Red-shafted) Flicker 1; Northern Flicker ssp. 11; Horned Lark 2484; Blue Jay 35; Black-billed Magpie 1; American Crow 136; Black-capped Chickadee 114; Tufted Titmouse 5; Red-breasted Nuthatch 2; White-breasted Nuthatch 12; Brown Creeper 10; Golden-crowned Kinglet 15; Ruby-crowned Kinglet 1; Townsend's Solitaire 1; American Robin 8; Gray Catbird 1/(no details - Ed.); Cedar Waxwing 4; Loggerhead Shrike 5; European Starling 964; Northern Cardinal 78; Rufous-sided Towhee 1; American Tree Sparrow 422; Song Sparrow 2; White-crowned Sparrow 1; Harris' Sparrow 328; Dark-eyed Junco ssp. 61; Lapland Longspur 250; Red-winged Blackbird 2442; *Sturnella* sp. 194; Rusty Blackbird 8; Common Grackle 9; Brown-headed Cowbird 121; American Goldfinch 53; House Sparrow 656. Total 62 species (2 additional subspecies), about 9582 individuals. Seen in area during count period, but not on count day - Great Blue Heron, Snowy Owl, House Finch, Pine Siskin.

Brian Bailey, Alice Bell, Stephen Burr, David and Nancy Clark, Anne, Dick and Richard Courter, Roy Hough (compiler - 1902 Lewis, Salina, KS 67401), Dana Jackson, Allen Jahn, Harold and Virginia Lear, Charles and Ivy Marsh, Jim Mayhew, Shannon Rayl, James Sackrider, Marjorie and Raymon Streckfus, John Wachholz, Becky Zerger (Smoky Hills Audubon Society and guests).

Sawyer. 37° 32' N, 98° 41' W. Center 2 mi. N of Sawyer, Ks. Habitat coverage: cultivated fields 65%, grassland 10%, streamsides 25%. December 28, 1984, 8:00 a.m. to 5:00 p.m. 45°F to 57°F; wind SW, 0-10 m.p.h.; A.M. partly cloudy, P.M. mostly clear; no snow cover, waters mostly open. Eight observers in 3 parties. Total party hours 27 (15 on foot, 12 by car). Total party-miles 104 (25 on foot, 80 by car).

Great Blue Heron 14; Canada Goose 85; Mallard 145; Ring-necked Duck 6; Osprey 1 (no details - Ed.); Northern Harrier 15; Copper's Hawk 1; Red-tailed Hawk 22; Rough-legged Hawk 4; American Kestrel 17; Prairie Falcon 1; Northern Bobwhite 7; Killdeer 1; Common Snipe 2; Ring-billed Gull 1; Rock Dove 43; Great Horned Owl 6; Barred Owl 4; Belted Kingfisher 2; Red-bellied Woodpecker 14; Yellow-bellied Sapsucker 1; Downy Woodpecker 11; Hairy Woodpecker 9; Northern (Yellow-shafted) Flicker 15; Northern Flicker ssp. 12; Horned Lark 107; Blue Jay 5; Black-capped Chickadee 72; Tufted Titmouse 5; White-breasted Nuthatch 10; Brown Creeper 9; Winter Wren 1; Golden-crowned Kinglet 3; Ruby-crowned Kinglet 1; Eastern Bluebird 32; American Robin 303; Bohemian Waxwing 2 (no details - Ed.); Cedar Waxwing 11; European Starling 446; Northern Cardinal 15. Editor's Note: the compiler chose to photocopy the National Audubon form and failed to forward the last page. Although requested, it has not been received. Total

51 species (although the identity of the remaining 12 species is unknown), about 6821 individuals.

Kevin Becker, Ken Brunson, Bill Hlavanchick (compiler - 214 W. Main, Pratt, KS 67124), Kent Monte, Jane Queal, Byron and Dan Walker, Bob Wood.

Scott Lake. 38° 45' N, 100° 53' W. Center 3 mi N of the Scott-Logan County line on U.S. 83. Habitat coverage: riparian woodland 45%, lakes and rivers 30%, cultivated fields 15%, marsh 5%, grassland 3%, residential areas 1%, coniferous stands 1%. December 24, 1984. 7:40 a.m. to 3:40 p.m., 12°F to 14°F; wind NNE, 30-10 m.p.h.; waters partly frozen; snow cover 75%; early morning ground blizzard, late morning snow flurries, clearing in P.M. Two observers in 1 party. Total party-hours 8 (2 on foot, 6 by car). Total party-miles 95 (1 on foot, 94 by car).

Great Blue Heron 1; Mallard 150; Northern Pintail 2; Gadwall 2; American Wigeon 1; Common Goldeneye 1; Bald Eagle 1; Northern Harrier 11; Northern Goshawk 1 (good details - Ed.); Red-tailed Hawk 3; Rough-legged Hawk 1; Golden Eagle 1; American Kestrel 1; Merlin 2; Ring-necked Pheasant 1; Rock Dove 4; Great Horned Owl 5; Downy Woodpecker 4; Northern (Yellow-shafted) Flicker 4; Northern (Red-shafted) Flicker 12; Horned Lark 6000; Blue Jay 1; Black-billed Magpie 15; Black-capped Chickadee 11; Marsh Wren 1 (excellent details - Ed.); Eastern Bluebird 4; Townsend's Solitaire 3; American Robin 30; Northern Shrike 1 (excellent details - Ed.); European Starling 15; Rufous-sided Towhee 2; American Tree Sparrow 125; Song Sparrow 2; Harris' Sparrow 2; Dark-eyed (Slate-colored) Junco 5; McCown's Longspur 1 (excellent details - Ed.); Lapland Longspur 10,000; Red-winged Blackbird 25; Western Meadowlark 14; Brown-headed Cowbird 7; Pine Siskin 35; American Goldfinch 3; House Sparrow 45. Total 42 species (1 additional subspecies), about 16,555 individuals.

Scott Seltman, Tom Shane (compiler - 2136 Wesley, Salina, KS 67401).

Stafford County (formerly St. John). 38° 00' N, 98° 45' W. Center stop sign, 7.5 mi. W of St. John city limits on 1st street. Habitat coverage: cultivated fields 40%, oldfields and fencerows 40%, riparian woodland 15%, residential areas 5%. December 26, 1984. 7:30 a.m. to 4:00 p.m., 20°F to 45°F; wind SSW, 0-10 m.p.h.; waters partly frozen, clear. Seven observers in 2 parties and 4 observers at feeders. Total party-hours 8 (1 on foot, 7 by car) plus 1 hr owling and 0.5 hrs at feeders. Total party-miles 350 (3 on foot, 347 by car) and 30 miles owling.

Bald Eagle 1; Northern Harrier 11; Red-tailed Hawk 23; Ferruginous Hawk 2; Rough-legged Hawk 4; *Buteo* sp. 2; American Kestrel 12; Prairie Falcon 1; Northern Bobwhite 12; Rock Dove 24; Great Horned Owl 2; Red-bellied Woodpecker 3; Downy Woodpecker 4; Northern (Yellow-shafted) Flicker 1; Northern (Red-shafted) Flicker 11; Horned Lark 141; Blue Jay 9; Black-billed Magpie 14; American Crow 88; Black-capped Chickadee 27; American Robin 2; Brown Thrasher 2; Northern Cardinal 4; American Tree Sparrow 180; Harris' Sparrow 174; Dark-eyed (Slate-colored) Junco 4; Red-winged Blackbird 679; Western Meadowlark 213; Common Grackle 19; Brown-headed Cowbird 4; American Goldfinch 65; House Sparrow 147. Total 30 species (1 additional subspecies), about 1885 individuals. Seen in area during count period, but not on count day - Tufted Titmouse, White-breasted Nuthatch, Loggerhead Shrike.

Mr. and Mrs. Gene Barr, Justin Bookstore, Jeff Delp, Lisa Fatzer, Pauline Garner, Molly Tanner, John Tanner, Judy Tanner (compiler - RR 1, Box 85, St. John, KS 67576), Dan Zehr, Dyland Zehr.

Topeka. 39° 02' N, 95° 40' W. Center State Capitol building. Habitat coverage: riparian forest 20%, cultivated fields 20%, residential areas 20%, lakes and rivers 20%, upland deciduous forest 10%, grassland 10%. December 15, 1984, 7:00 a.m. to 5:00 p.m., 33°F to 66°F; wind SE, 5-18 m.p.h.; waters open; no snow cover; overcast with fog in A.M., mostly cloudy and light rain in P.M. but a brief moment

of sun around noon. Thirty-one observers in 12 parties and 9 observers at feeders. Total party-hours 77 (27 on foot, 50 by car) and 18 hrs at feeders. Total party-miles 394 (32 on foot, 362 by car).

Pied-billed Grebe 2; Great Blue Heron 1; Canada Goose 63; Mallard 296; Common Goldeneye 8; Bufflehead 24; Common Merganser 2; Bald Eagle 5; Northern Harrier 7; Red-tailed Hawk 90; Red-tailed (Harlan's) Hawk 1; American Kestrel 34; Ring-necked Pheasant 1; Northern Bobwhite 80; American Coot 5; Ring-billed Gull 4; Rock Dove 1642; Mourning Dove 190; Great Horned Owl 9; Barred Owl 2; Belted Kingfisher 4; Red-headed Woodpecker 1; Red-bellied Woodpecker 48; Yellow-bellied Sapsucker 2; Downy Woodpecker 60; Hairy Woodpecker 10; Northern (Yellow-shafted) Flicker 49; Horned Lark 6; Blue Jay 220; American Crow 162; Black-capped Chickadee 268; Tufted Titmouse 44; White-breasted Nuthatch 27; Brown Creeper 2; Eastern Bluebird 7; American Robin 129; Northern Mockingbird 1; Brown Thrasher 2; Cedar Waxwing 208; Loggerhead Shrike 5; European Starling 2464; Northern Cardinal 333; Rufous-sided Towhee 6; American Tree Sparrow 379; Song Sparrow 17; White-throated Sparrow 2; White-crowned Sparrow 1; Harris' Sparrow 287; Dark-eyed (Slate-colored) Junco 425; Dark-eyed (Oregon) Junco 61; Dark-eyed Junco ssp. 273; Lapland Longspur 201; Red-winged Blackbird 3; Eastern Meadowlark 75; Western Meadowlark 19; *Sturnella* sp. 38; Brewer's Blackbird 7; Common Grackle 7; Purple Finch 2; Pine Grosbeak 2 (excellent details - Ed.); Pine Siskin 11; American Goldfinch 385; House Sparrow 1353. Total 59 species (2 additional subspecies), about 10,072 individuals. Seen in area during count period, but not on count day - Gadwall, American Wigeon, Ring-necked Duck.

Joe Arruda, Virgil Basgall, Joanne Brier, Scott Campbell, Steve Carr, Arline and Robert Delker, Ed Dennis, Richard Dixon, Kirk Downing, Gussie Flentje, Dan Gish, Robert Glazier, Dean Grisell, Gwen Haegert, Marge Heeny, Phyllis Henney, Doris Horton, Dan Larson, Bob Lawson, E.M. and E.R. Lewis, Sarah Merrill, Linda and Robert Papp, Joanne Ramberg, Orville Rice (compiler - 1627 SW 28 St., Topeka, KS 66611), Roy Sundman, Donna Vausbinder, Eugene Willett, Paul Willis.

Udall - Winfield. 37° 16' N, 96° 59' W. Center water tower at Winfield State Training School. Habitat coverage: riparian woodland 40%, cultivated fields 20%, grassland 20%, streambanks 10%, lakes and ponds 6%, residential areas 4%. December 16, 1984. 8:00 a.m. to 5:00 p.m., 34°F to 50°F; wind S, 20-0 m.p.h.; water open; clear skies; wet ground. Sixteen observers in 6 parties. Total party-hours 48 (18 on foot, 30 by car) plus 2 hrs owling. Total party-miles 400 (33 on foot, 367 by car) and 10 miles owling.

Pied-billed Grebe 1; Horned Grebe 1; Double-crested Cormorant 8; Great Blue Heron 6; Canada Goose 50; Wood Duck 2; Green-winged Teal 2; Mallard 138; Common Goldeneye 200; Bufflehead 1; Hooded Merganser 1; Common Merganser 12; Black Scoter 3 (excellent details - Ed.); White-winged Scoter 1 (excellent details - Ed.); Bald Eagle 3; Northern Harrier 34; Sharp-shinned Hawk 2; Cooper's Hawk 1; Red-tailed Hawk 124; Rough-legged Hawk 1; American Kestrel 47; Peregrine Falcon 1 (excellent details - Ed.); Prairie Falcon 1; Ring-necked Pheasant 1; Northern Bobwhite 136; American Coot 4; Killdeer 10; Greater Yellowlegs 2 (excellent details - Ed.); Least Sandpiper 4 (excellent details - Ed.); Ring-billed Gull 19; Herring Gull 1; Rock Dove 285; Mourning Dove 14; Great Horned Owl 3; Barred Owl 3; Belted Kingfisher 5; Red-headed Woodpecker 50; Red-bellied Woodpecker 70; Yellow-bellied Sapsucker 2; Downy Woodpecker 24; Hairy Woodpecker 6; Northern (Yellow-shafted) Flicker 48; Northern Flicker ssp. 14; Horned Lark 286; Blue Jay 103; American Crow 255; Black-capped Chickadee 157; Carolina Chickadee 72; Tufted Titmouse 59; White-breasted Nuthatch 40; Brown Creeper 6; Winter Wren 1; Golden-crowned Kinglet 13; Ruby-crowned Kinglet 2; Eastern Bluebird 29; Mountain Bluebird 2 (excellent details - Ed.); Townsend's Solitaire 1; American Robin 2057; Northern Mockingbird 10; Brown Thrasher 1; Cedar Waxwing 103; Loggerhead Shrike 15; European Starling 2171; Yellow-rumped (Myrtle) Warbler 6; Northern Cardinal 187; Rufous-sided Towhee 2; American Tree Sparrow 926; Song Sparrow 7; Lincoln's Sparrow 1; Harris' Sparrow 1505; Dark-eyed (Slate-colored) Junco 622; Lapland Longspur 1075; Red-

winged Blackbird 3092; Eastern Meadowlark 324; Western Meadowlark 7; *Sturnella* sp. 252; Rusty Blackbird 110; Brewer's Blackbird 215; Great-tailed Grackle 13; Common Grackle 12; Brown-headed Cowbird 49; Pine Siskin 5; American Goldfinch 302; House Sparrow 1004. Total 82 species, about 16,440 individuals. Seen in area during count period, but not on count day - Gadwall, Sprague's Pipit (no details - Ed.); White-throated Sparrow, Red Crossbill.

Betty and Duane Anderson, James Barnes, Wallace Champeny, Bev and Ruth Hodges, Charles Hunter, Larry Loomis, Max Thompson (compiler - 1729 E. 11, Winfield, KS 67156), Gerald Wiens, Agnes and Larry and Ross Williams, Robert Wimmer, Donna and Lee Wilt.

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 10%. December 15, 1984. 8:00 a.m. to 5:00 p.m., 37°F to 41°F; wind SE to NW, 2-10 m.p.h.; waters open; fog and intermittent light rain in A.M., P.M. overcast with intermittent light rain continuing. Fifteen observers in 7 parties. Total party-hours 54 (23 on foot, 31 by car). Total party-miles 234 (27 on foot, 207 by car).

Pied-billed Grebe 8; Great Blue Heron 5; Greater White-fronted Goose 1; Canada Goose 1283; Green-winged Teal 3; Mallard 382; Northern Shoveler 6; Gadwall 58; American Wigeon 10; Redhead 20; Ring-necked Duck 78; Lesser Scaup 12; Common Goldeneye 40; Bufflehead 40; Ruddy Duck 8; Northern Harrier 1; Red-tailed Hawk 33; Rough-legged Hawk 1; American Kestrel 8; Ring-necked Pheasant 16; Northern Bobwhite 10; American Coot 143; Ring-billed Gull 25; Rock Dove 427; Mourning Dove 19; Eastern Screech-owl 1; Great Horned Owl 16; Belted Kingfisher 10; Red-bellied Woodpecker 4; Yellow-bellied Sapsucker 2; Downy Woodpecker 20; Northern (Yellow-shafted) Flicker 9; Northern Flicker ssp. 3; Blue Jay 40; American Crow 2325; Black-capped Chickadee 103; Tufted Titmouse 13; Red-breasted Nuthatch 9; White-breasted Nuthatch 2; Brown Creeper 7; Winter Wren 1; Golden-crowned Kinglet 12; Ruby-crowned Kinglet 1; Hermit Thrush 1; American Robin 29; Northern Mockingbird 4; Loggerhead Shrike 2; European Starling 2167; Northern Cardinal 171; Rufous-sided Towhee 13; American Tree Sparrow 106; Song Sparrow 28; Swamp Sparrow 2; White-throated Sparrow 6; Harris' Sparrow 307; Dark-eyed (Slate-colored) Junco 318; Dark-eyed (Oregon) Junco 9; Red-winged Blackbird 251,016; Western Meadowlark 3; *Sturnella* sp. 64; Rusty Blackbird 1; Great-tailed Grackle 160; Common Grackle 13; Brown-headed Cowbird 27; Pine Siskin 1; American Goldfinch 156; House Sparrow 850. Total 64 species (1 additional subspecies), about 260,669 individuals. Seen in area during count period, but not on count day - Wood Duck, Hooded Merganser, Common Snipe, Herring Gull, Horned Lark.

Walker Butin, Wallace Champeny (compiler - RR 1, Oxford, KS 67119), Rick Goodrich, Bob Gress, Bev and Ruth Hodges, Dan Kilby, Mike Lesan, Jean and Miriam Roark, Eddie and Savilla Stegal, Don Vannoy, Gerald Wiens, Ralph Wiley.

Wilson Reservoir. 38° 56' N, 98° 34' W. Center northernmost point of Minooka Park (6 mi NNE of Dorrance, Ks). Habitat coverage: lakes and rivers 40%, grassland 15%, riparian woodland 15%, oldfields and fencerows 15%, cultivated fields 8%, coniferous stands 5%, marsh 2%. December 22, 1984. 7:30 a.m. to 5:00 p.m., 21°F to 48°F; wind W to SW, 5-15 m.p.h.; water mostly open; patches of snow and ice; clear. Four observers in 2 parties. Total party-hours 19 (9 on foot, 10 by car). Total party-miles 202 (7 on foot, 195 by car).

Canada Goose 2661; Green-winged Teal 1; Mallard 292; Northern Pintail 1; Gadwall 29; American Wigeon 15; Redhead 11; Oldsquaw 1 (excellent details - Ed.); Common Goldeneye 53; Bufflehead 6; Hooded Merganser 1; Common Merganser 12; Northern Harrier 5; Sharp-shinned Hawk 3; Red-tailed Hawk 6; Rough-legged Hawk 1; Golden Eagle 1; American Kestrel 6; Prairie Falcon 3; Ring-necked Pheasant 14; Northern Bobwhite 8; American Coot 7; Ring-billed Gull 375; Herring Gull 2; Mourning Dove 3; Great Horned Owl 8; Long-eared Owl 1; Red-bellied Woodpecker 4; Downy Woodpecker 3; Hairy Woodpecker 1; Nor-

thern (Yellow-shafted) Flicker 6; Northern (Red-shafted) Flicker 1; Northern Flicker ssp. 5; Horned Lark 92; Blue Jay 17; Black-billed Magpie 3; American Crow 7; Black-capped Chickadee 20; Marsh Wren 1 (excellent details - Ed.); American Robin 1; Loggerhead Shrike 6; European Starling 164; Northern Cardinal 11; American Tree Sparrow 1434; Song Sparrow 8; White-crowned Sparrow 2; Harris' Sparrow 288; Dark-eyed (Slate-colored) Junco 26; Lapland Longspur 5; Red-winged Blackbird 11,902; Western Meadowlark 29; Rusty Blackbird 1; Common Grackle 1; Brown-headed Cowbird 1; American Goldfinch 19; House Sparrow 31. Total 54 species (1 additional subspecies), about 17,615 individuals. Seen in area during count period, but not on count day - Rock Dove.

Tom Cannon (compiler - Box 127, Lucas, KS 67648), Jane Holland, Leroy Holt II, James Piland.

Div. Biology Kansas State University, Manhattan, KS 66506.

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