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THE WINTER BIRD COUNT FOR 1986

John L. Zimmerman

There were no extended periods of severe cold prior to the winter count this year, or during the count period for that matter; but weather did adversely affect the results. Over a third of the compilers reported fog that was sufficiently dense enough to reduce visibilities to the point where both numbers of species and numbers of individuals were underestimated. Counts of raptors and waterfowl were especially affected. Baldwin City had to settle for "goose 10", since the light was so poor and the images so indistinct that a species determination was impossible. Cedar Bluff missed such normally expected birds as Ferruginous Hawks and Prairie Falcon as well as several species of waterfowl. As one compiler wrote, "all told, it was a lousy day for a bird count."

But seasonally, the mild weather made for a great count. Open water abounded, and in most count circles there were plenty of waterbirds, including such southerly wintering species as American White Pelican (Reno County-Yoder, Lawrence, and Manhattan), Blue-winged Teal at Olathe, a scattering of Red-breasted Mergansers down the Flint Hills (Manhattan, Emporia and Pomona), Bonaparte's Gulls at Lawrence and Baxter Springs, a Spotted Sandpiper at Manhattan, a Virginia Rail at Scott Lake (again), and, new for the Kansas winter count list, two Soras at Oskaloosa-Perry Lake. Two Turkey Vultures were seen on the Emporia count. Gray Catbirds remained to be counted at Parsons and Junction City and during the count period at Halstead-Newton; while Hermit Thrushes were recorded at Arkansas City, Emporia, and Sawyer. Scott Lake had a male Common Yellowthroat along the banks of Ladder Creek. Wichita called up a Sedge Wren, and Ruby-crowned Kinglets were present on almost a third of the counts.

The remembrance of cold weather, however, did have an impact. The freezing weather of the previous spring that nipped the flowering hackberries so that no fruit was set this year could be mapped across the eastern region of the state on the basis of the reduced numbers or complete absence of American Robins. Except for the southern tier of counties, robins were scarce westward as far as U.S. 281. No robins at all could be found at Emporia, Fostoria, Hillsdale Reservoir, Olathe, or Linn County. With the absence of hackberries, competition for other fruits reduced availability so that Yellow-rumped Warblers were found on only four counts, and Cedar Waxwings are listed on only a third of the counts.

But this year's effort was not without notable records including a White-winged Scoter at Reading Lake on the Emporia count, an Oldsquaw at Wichita, Tundra Swans at Meade Lake State Park, Ross's Goose on the Cedar Bluff Reservoir and Linn County counts, Northern Shrikes at Cedar Bluff, Salina, and during the count period at Junction City, Pygmy Nuthatch at Salina, Mountain Bluebird at Halstead-Newton, Bohemian Waxwings at Cimarron National Grasslands and Garden City, LeConte's Sparrow at Lawrence, Smith's Longspur at Emporia, Common Redpoll and Great-tailed Grackle at Baldwin City, and Red Crossbills at Dodge City, Udall-Winfield, Hays and Junction City. The only echoes of last year's great Evening Grosbeak invasion were the three birds on the Quivira National Wildlife Refuge Count. The Thayer's Gull on the Junction City count was another new species for the Kansas winter count list.

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 27, 1986, 8:00 a.m. to 5:00 p.m., 28° to 36° F; Wind N, 2-10 m.p.h.; waters open; no snow cover; fog in A.M., overcast in P.M. Eighteen observers in 8 parties. Total party-hours 71 (35 on foot, 36 by car) plus 1 hr owling. Total party-miles 322 (36 on foot, 286 by car) and 5 miles owling.

Great Blue Heron 8, Canada Goose 32, Mallard 7, Bald Eagle 11, Northern Harrier 7, Sharp-shinned Hawk 3, Cooper's Hawk 2, Red-tailed Hawk 116, American Kestrel 35, Prairie Falcon 2, Ring-necked Pheasant 4, Northern Bobwhite 99, Killdeer 5, Rock Dove 60, Mourning Dove 27, Common Barn-owl 2, Great Horned Owl 12, Barred Owl 10, Belted Kingfisher 9, Red-headed Woodpecker 20, Red-bellied Woodpecker 111, Yellow-bellied Sapsucker 1, Downy Woodpecker 137, Hairy Woodpecker 16, Northern (Yellow-shafted) Flicker 44, Northern (Red-shafted) Flicker 8, Northern Flicker ssp. 61, Pileated Woodpecker 5, Horned Lark 39, Blue Jay 144, American Crow 519, Carolina Chickadee 518, Tufted Titmouse 208, White-breasted Nuthatch 44, Brown Creeper 18, Carolina Wren 17, Bewick's Wren 1, Winter Wren 4, Golden-crowned Kinglet 26, Ruby-crowned Kinglet 2, Eastern Bluebird 74, Hermit Thrush 1, American Robin 594, Northern Mockingbird 26, Cedar Waxwing 16, Loggerhead Shrike 12, European Starling 2559, Yellow-rumped (Myrtle) Warbler 56, Northern Cardinal 383, Rufous-sided Towhee 15, American Tree Sparrow 461, Field Sparrow 3, Savannah Sparrow 2 (good details — Ed.), Fox Sparrow 5, Song Sparrow 53, Lincoln's Sparrow 1, Swamp Sparrow 2, White-throated Sparrow 11, White-crowned Sparrow 44, Harris' Sparrow 1706, Dark-eyed (Slate-colored) Junco 899, Dark-eyed (Oregon) Junco 7, Dark-eyed Junco ssp. 16, Red-winged Blackbird 9666, Eastern Meadowlark 48, Western Meadowlark 5, *Sturnella* sp. 477, Rusty Blackbird 840, Brewer's Blackbird 20, Common Grackle 82, Brown-headed Cowbird 28, Purple Finch 9, Pine Siskin 99, American Goldfinch 1674, House Sparrow 1853. Total 70 species (2 additional subspecies), about 24,141 individuals. Seen in area during count period, but not on count day — Red-breasted Nuthatch.

Wally Champeny, Beverly DuGay, Rick Goodrick, David Herrin, Dan Kilby, Dan Larson, Mike Lesan, David, Jeff and Stuart Lord, Jean and Miriam Roark, Cathy and David Seibel, Donald Vannoy (compiler — 2458 Coolidge, Wichita, KS 67204), Gerald Wiens, Jim Wilson and Gene Young.

Baldwin. 38° 47'N, 95° 16'W. Center junction of U.S. 56 and U.S. 59. Habitat coverage: riparian forest 26%, cultivated fields 17%, upland deciduous forest 15%, grassland 14%, oldfields and fencerows 13%, lakes and rivers 7%, coniferous stands 4%, residential areas 4%. December 27, 1986. 6:00 a.m. to 5:15 p.m., 25° to 32° F; Wind S, 5-10 m.p.h.; water open; no snow cover; dense fog all day, less than 0.25 mi visibility. Twenty-two observers in 8 parties and 3 observers at feeders. Total party-hours 46 (11 on foot, 35 by car) plus 3 hrs owling and 15 hrs at feeders. Total party-miles 438 (14 on foot, 424 by car) and 23 miles owling.

Mallard 8, Gadwall 13, Lesser Scaup 1, Common Goldeneye 7, Common Merganser 1, Ruddy Duck 2, Northern Harrier 5, Sharp-shinned Hawk 3, Red-tailed Hawk 106, Rough-legged Hawk 2, American Kestrel 48, Northern Bobwhite 19, Ring-billed Gull 38, Rock Dove 84, Mourning Dove 27, Eastern Screech-owl 4, Great Horned Owl 16, Barred Owl 5, Belted Kingfisher 4, Red-headed Woodpecker 3, Red-bellied Woodpecker 49, Yellow-bellied Sapsucker 1, Downy Woodpecker 68, Hairy Woodpecker 12, Northern (Yellow-shafted) Flicker 35, Northern (Red-shafted) Flicker 1, Horned Lark 72, Blue Jay 142, American Crow 274, Black-capped Chickadee 356, Tufted Titmouse 93, Red-breasted Nuthatch 2, White-breasted Nuthatch 35, Brown Creeper 4, Golden-crowned Kinglet 9, Eastern Bluebird 39, American Robin 16, Northern Mockingbird 3, Cedar Waxwing 15, Loggerhead Shrike 12, European Starling 3292, Yellow-rumped (Myrtle) Warbler 1, Northern Cardinal 680, American Tree Sparrow 720, Savannah Sparrow 1, (excellent details — Ed.), Song Sparrow 55, Lincoln's Sparrow 1, Swamp Sparrow 3, White-throated Sparrow 23, White-crowned Sparrow 46, Harris' Sparrow 122, Dark-eyed (Slate-colored) Junco 1710, Dark-eyed (Oregon) Junco 3, Red-winged Blackbird 188, *Sturnella* sp. 235, Great-tailed Grackle 1 (excellent details — Ed.), Brown-headed Cowbird 1, Purple Finch 8, Common Redpoll 3, Pine Siskin 37, American Goldfinch 375, House Sparrow 1896. Total 60 species (2 additional subspecies), about 11,035

individuals.

Mary Allen, Richard Bean, Jan, Margaret and Roger Boyd (compiler — Biology Dept., Baker University, Baldwin City, KS 66006), John, Johnnie and Martin Brockway, Tom Church, Calvin Cink, June Collins, Mary and David Dunsmore, Ruth Fauhl, Kirby Hayes, Katherine Kelley, Mike and Patty Mueller, Martin Pressgrove, Tom Rodhouse, Dawn Sharp, and Rhoda Spear (Baldwin Bird Club).

Baxter Springs. 37° 10'N, 94° 50'W. Center Riverton, Ks. Habitat coverage: riparian forest 35%, cultivated fields 20%, oldfields and fencerows 20%, lakes and rivers 5%, swamp 5%, marsh 5%, upland deciduous forest 4%, grassland 3%, residential areas 2%, coniferous stands 1%. December 26, 1986, 7:30 a.m. to 5:30 p.m., 32° to 37° F; Wind SE, 0-3 m.p.h.; water open; no snow cover; foggy in A.M., overcast. Two observers in 1 party. Total party-hours 10 (8 on foot, 2 by car). Total party-miles 55 (10 on foot, 45 by car).

Double-crested Cormorant 8, Great Blue Heron 10, Mallard 45, Northern Shoveler 12, Gadwall 2, American Wigeon 1, Redhead 1, Ring-necked Duck 1, Lesser Scaup 22, Common Goldeneye 14, Bufflehead 1, Bald Eagle 1, Northern Harrier 4, Sharp-shinned Hawk 1, Cooper's Hawk 2, Red-shouldered Hawk 2, Red-tailed Hawk 23, Red-tailed (Harlan's) Hawk 2, Red-tailed (Kridler's) Hawk 2, American Kestrel 11, Northern Bobwhite 12, Killdeer 1, Common Snipe 1, Bonaparte's Gull 1 (good details — Ed.), Ring-billed Gull 18, Rock Dove 20, Mourning Dove 20, Great Horned Owl 2, Belted Kingfisher 3, Red-headed Woodpecker 44, Red-bellied Woodpecker 20, Yellow-bellied Sapsucker 5, Downy Woodpecker 17, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 8, Northern Flicker ssp. 10, Pileated Woodpecker 3, Blue Jay 149, American Crow 39, Carolina Chickadee 83, Tufted Titmouse 29, White-breasted Nuthatch 7, Brown Creeper 3, Carolina Wren 9, Golden-crowned Kinglet 3, Ruby-crowned Kinglet 1, Eastern Bluebird 1, American Robin 36, Northern Mockingbird 7, Brown Thrasher 1, Loggerhead Shrike 1, European Starling 252, Northern Cardinal 219, Rufous-sided Towhee 1, American Tree Sparrow 2, Field Sparrow 1, Fox Sparrow 3, Song Sparrow 66, Swamp Sparrow 17, White-throated Sparrow 48, White-crowned Sparrow 50, Harris' Sparrow 36, Dark-eyed (Slate-colored) Junco 110, Dark-eyed (Oregon) Junco 2, Red-winged Blackbird 52,594, Eastern Meadowlark 31, *Sturnella* sp. 75, Rusty Blackbird 178, Common Grackle 5052, Brown-headed Cowbird 89, American Goldfinch 39, House Sparrow 242. Total 67 species (3 additional subspecies), about 59,828 individuals.

James D. Rising (compiler — Dept. Zoology, Univ. Toronto, Toronto, Ont., M58 1A1, Canada) and John T. Rising.

Camp Naish. 39° 04'N, 94° 52'W. Center corner of secs. 21, 22, 27 and 28, T11S, R23E, Wyandotte Co. Habitat coverage: riparian forest 45%, upland deciduous forest 35%, oldfields and fencerows 10%, grassland 5%, swamp 3%, residential areas 1%, lakes and rivers 1%. January 3, 1987, 6:30 a.m. to 5:30 p.m., 32° to 45° F; Wind N, about 3 m.p.h.; overcast with light mist and snow in A.M. Six observers in 2 parties. Total party-hours 10 (9 on foot, 1 by car) plus 0.5 hrs owling. Total party-miles 20 (16 on foot, 4 by car) and 0.5 miles owling.

Common Goldeneye 1, Red-tailed Hawk 6, Northern Bobwhite 9, Killdeer 3, Common Snipe 1, *Larus* sp. 6, Rock Dove 12, Eastern Screech-owl 3, Red-headed Woodpecker 1, Red-bellied Woodpecker 14, Downy Woodpecker 11, Hairy Woodpecker 6, Northern Flicker ssp. 1, Blue Jay 29, American Crow 14, Black-capped Chickadee 56, Carolina Chickadee 1 (no details — Ed.), Tufted Titmouse 37, White-breasted Nuthatch 20, Brown Creeper 1, Carolina Wren 1, Winter Wren 3, Golden-crowned Kinglet 23, Brown Thrasher 1, European Starling 2, Northern Cardinal 19, American Tree Sparrow 10, Dark-eyed Junco ssp. 17, Pine Siskin 7, American Goldfinch 12, House Sparrow 8. Total 31 species, about 335 individuals.

Byron Berger, Ed Hubert, Alexis Powell, Stan Roth (compiler — Lawrence High School, 1901 Louisiana St., Lawrence, KS 66046), Chris Rush and Joel Rush.

Cedar Bluff Reservoir. 38° 47'N, 99° 46'W. Center middle of Cedar Bluff Reservoir

2 mi W dam. Habitat coverage: lakes and rivers 30%, riparian woodland 30%, coniferous stands 10%, cultivated fields 10%, oldfields and fencerows 10%, grassland 10%. December 21, 1986. 7:30 a.m. to 4:30 p.m., 21° to 32° F; Wind calm; water partly frozen; no snow cover; foggy, visibilities less than 1 mi. Three observers in 1 party. Total party-hours 9 (3 on foot, 6 by car). Total party-miles 83 (3 on foot, 80 by car).

Common Loon 1 (good details — Ed.), Pied-billed Grebe 1, Great Blue Heron 1, Ross' Goose 1 (excellent details — Ed.), Canada Goose 150, Mallard 1000, American Wigeon 15, Lesser Scaup 1, Common Goldeneye 400, Bufflehead 3, Common Merganser 200, Bald Eagle 3, Northern Harrier 2, Red-tailed Hawk 3, Golden Eagle 1, American Kestrel 10, Ring-necked Pheasant 3, American Coot 6, Ring-billed Gull 100, Herring Gull 20, Rock Dove 1, Mourning Dove 1, Eastern Screech-owl 3, Great Horned Owl 5, Red-bellied Woodpecker 1, Downy Woodpecker 10, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 1, Northern (Red-shafted) Flicker 12, Northern Flicker ssp. 20, Horned Lark 100, Blue Jay 10, Black-billed Magpie 20, American Crow 40, Black-capped Chickadee 45, White-breasted Nuthatch 1, Golden-crowned Kinglet 2, Townsend's Solitaire 14, American Robin 12, Northern Shrike 1 (fair details — Ed.), European Starling 150, Rufous-sided Towhee 1, American Tree Sparrow 700, Song Sparrow 25, White-crowned Sparrow 1, Harris' Sparrow 300, Dark-eyed (Slate-colored) Junco 100, Dark-eyed (Oregon) Junco 35, Dark-eyed Junco ssp. 100, Lapland Longspur 100, Red-winged Blackbird 1500, Western Meadowlark 60, Pine Siskin 24, American Goldfinch 34, House Sparrow 50. Total 51 species (2 additional subspecies), about 5,401 individuals.

Sarah Norman, Scott Seltman (compiler — RR, Nakoma, KS 67559), Tom Shane.

Cimarron National Grasslands. 37° 07'N, 101° 52'W. Center 7 mi N, 2 mi E of Elkhart, Ks. Habitat coverage: riparian woodland 30%, cultivated fields 20%, coniferous stands 15%, residential areas 15%, marsh 10%, rocky slopes 10%. January 2, 1987, 7:45 a.m. to 5:30 p.m., 18° to 36° F; Wind calm; no snow cover; clear. Sixteen observers in 5 parties. Total party-hours 40 (22 on foot, 18 by car). Total party-miles 390 (24 on foot, 366 by car).

Canada Goose 30, Mallard 1, American Wigeon 1, Northern Harrier 19, Sharpshinned Hawk 1, Cooper's Hawk 4, Red-tailed Hawk 16, Ferruginous Hawk 31, Rough-legged Hawk 10, Golden Eagle 12, American Kestrel 31, Prairie Falcon 5, Ring-necked Pheasant 64, Lesser Prairie-chicken 12, Northern Bobwhite 12, Scaled Quail 50, Rock Dove 63, Common Barn-owl 1, Eastern Screech-owl 1, Great Horned Owl 10, Long-eared Owl 1, Ladder-backed Woodpecker 3, Downy Woodpecker 5, Hairy Woodpecker 5, Northern (Yellow-shafted) Flicker 1, Northern (Red-shafted) Flicker 29, Northern Flicker ssp. 24, Horned Lark 2141, Blue Jay 2, Black-billed Magpie 125, American Crow 35, Chihuahuan Raven 4, Bewick's Wren 1, Marsh Wren 1, Golden-crowned Kinglet 2, Townsend's Solitaire 14, American Robin 29, Northern Mockingbird 1, Curve-billed Thrasher 4, Bohemian Waxwing 1 (excellent details — Ed.), Loggerhead Shrike 22, European Starling 510, Northern Cardinal 1, Rufous-sided Towhee 1, American Tree Sparrow 786, Field Sparrow 1, Vesper Sparrow 1, Lark Bunting 69, Fox Sparrow 1, Song Sparrow 86, Lincoln's Sparrow 4, Swamp Sparrow 1, White-crowned Sparrow 380, Harris' Sparrow 8, Dark-eyed (Slate-colored) Junco 125, Dark-eyed (Oregon) Junco 40, Dark-eyed Junco ssp. 300, Lapland Longspur 13, Red-winged Blackbird 872, Western Meadowlark 357, Brewer's Blackbird 4, Brown-headed Cowbird 19, House Finch 93, Pine Siskin 274, American Goldfinch 54, House Sparrow 1493. Total 62 species (2 additional subspecies), about 8,317 individuals. Seen in area during count period, but not on count day — Rock Wren.

Dodge City. 37° 46'N, 99° 58'W. Center St. Mary of the Plains College, Dodge City, Ks. Habitat coverage: cultivated fields 58%, grassland 20%, residential areas 15%, lakes and streams 7%. December 20, 1986. 7:50 a.m. to 4:40 p.m. 27° to 47° F; Wind calm; water mostly open; no snow cover; clear. Sixteen observers in 7 parties and 10 observers at feeders. Total party-hours 43 (4 on foot, 39 by car) plus 36.5 hrs. at feeders. Total party-miles 287 (6 on foot, 281 by car).

Canada Goose 2, Green-winged Teal 1, Mallard 105, Bald Eagle 1, Northern Harrier

16, Red-tailed Hawk 12, Ferruginous Hawk 6, Rough-legged Hawk 6, American Kestrel 20, Merlin 1, Ring-necked Pheasant 5, Northern Bobwhite 6, Rock Dove 152, Mourning Dove 1, Great Horned Owl 5, Barred Owl 1, Belted Kingfisher 1, Downy Woodpecker 8, Hairy Woodpecker 4, Northern (Yellow-shafted) Flicker 6, Northern (Red-shafted) Flicker 2, Horned Lark 656, Blue Jay 7, Black-billed Magpie 52, American Crow 39, Black-capped Chickadee 30, Red-breasted Nuthatch 1, White-breasted Nuthatch 4, American Robin 50, Loggerhead Shrike 4, European Starling 1954, Northern Cardinal 8, Rufous-sided Towhee 3, American Tree Sparrow 186, Vesper Sparrow 13, Song Sparrow 1, White-crowned Sparrow 11, Harris' Sparrow 307, Dark-eyed (Slate-colored) Junco 110, Dark-eyed (Oregon) Junco 11, Red-winged Blackbird 1, Western Meadowlark 516, Common Grackle 40, Brown-headed Cowbird 70, House Finch 117, Red Crossbill 2, Pine Siskin 131, American Goldfinch 2, House Sparrow 901. Total 47 species (2 additional subspecies), about 5,588 individuals.

Marg Andrews, Maurice Bluemer, Lois Bryson, Peggy Button, George Cole, Margaret Cole, Joleen Fromm (compiler — 2402 5th Ave., Dodge City, KS 67801), Doris Gurtner, Roberta Harkness, Lois Hunter, Jean Kirkpatrick, Jean Koelling, Lorene Kulbiski, Andy Lansaw, Steve Lansaw, William Lansaw, Hazel Moore, Olive Morgison, Janell O'Keefe, Bea Schaffer, John Schaffer, Ora Mae Schraeder, Kay Lynn Smith, Sister Patricia Stanley, Shirley Vieux, and Judy Young.

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 21, 1986. 6:00 a.m. to 5:30 p.m., 30° to 36° F; Wind NW, 0-5 m.p.h.; waters open; no snow cover; overcast. Twenty observers in 8 parties and 1 observer at feeders. Total party-hours 64 (25.5 on foot, 38.5 by car) plus 1 hr owling and 8 hrs at feeders. Total party-miles 437 (22.5 on foot, 414.5 by car) and 1 mile owling.

Great Blue Heron 4, Greater White-fronted Goose 5, Snow Goose (white morph) 3790, Canada Goose 1489, Mallard 403, Northern Shoveler 12, Canvasback 40, Redhead 12, Ring-necked Duck 31, Lesser Scaup 11, White-winged Scoter 1 (excellent details — Ed.), Common Goldeneye 64, Common Merganser 20, Red-breasted Merganser 1 (excellent details — Ed.), Ruddy Duck 10, Turkey Vulture 2 (good details — Ed.), Northern Harrier 99, Red-tailed Hawk 117, Rough-legged Hawk 2, American Kestrel 20, Merlin 2, Greater Prairie-chicken 21, Northern Bobwhite 169, Killdeer 2, Ring-billed Gull 1003, Rock Dove 276, Mourning Dove 14, Eastern Screech-owl 3, Great Horned Owl 12, Barred Owl 6, Short-eared Owl 1, Belted Kingfisher 1, Red-bellied Woodpecker 40, Yellow-bellied Sapsucker 2, Downy Woodpecker 54, Hairy Woodpecker 15, Northern (Yellow-shafted) Flicker 29, Northern (Red-shafted) Flicker 8, Pileated Woodpecker 1, Horned Lark 500, Blue Jay 125, American Crow 152, Black-capped Chickadee 266, Tufted Titmouse 43, White-breasted Nuthatch 32, Brown Creeper 21, Carolina Wren 4, Winter Wren 1, Golden-crowned Kinglet 19, Ruby-crowned Kinglet 1, Townsend's Solitaire 1, Hermit Thrush 1 (excellent details — Ed.), Brown Thrasher 1, Loggerhead Shrike 17, European Starling 7330, Northern Cardinal 211, Rufous-sided Towhee 3, American Tree Sparrow 1387, Field Sparrow 9, Fox Sparrow 8, Song Sparrow 8, Lincoln's Sparrow 5, White-throated Sparrow 3, White-crowned Sparrow 22, Harris' Sparrow 330, Dark-eyed (Slate-colored) Junco 845, Dark-eyed (Oregon) Junco 4, Lapland Longspur 301, Smith's Longspur 3 (excellent details — Ed.), Red-winged Blackbird 2939, Eastern Meadowlark 209, Western Meadowlark 2, Brewer's Blackbird 3350, Common Grackle 105, Brown-headed Cowbird 1246, Purple Finch 15, Pine Siskin 140, American Goldfinch 105, House Sparrow 1167. Total 77 species (2 additional subspecies), about 28,723 individuals. Seen in area during count period, but not on count day — Eastern Bluebird, Cedar Waxwing.

Kevin Church, Cynthia, Joe and Mark Crane, Brian and Marvin Kuehn, Gil and Marie Leisman, Lotta and Wes Matson, Bobbie and Jim Mayhew, Drake Miller, Bob and Wendy Rose, Jean Schulenberg (compiler — Rt. 2, Box 36, Admire, KS 66830), Marvin Schwilling, Kathleen Tabor, Jarrod and Warren Voorhees, and Dan Williamson.

Fostoria. 39° 30'N, 96° 30'W. Center 3 mi N Fostoria, Ks. Habitat coverage: grassland 55%, oldfields and fencerows 25%, cultivated fields 14%, upland deciduous forest 5%, lakes and rivers 1%. December 30, 1986, 7:30 a.m. to 5:00 p.m., 20° to 46° F; Wind NW, 10-14 m.p.h.; waters open; mostly clear. Four observers in 1 party. Total party-hours 9.5 (1.5 on foot, 8 by car). Total party-miles 44 (2 on foot, 42 by car).

Great Blue Heron 1, Mallard 32, Northern Harrier 9, Sharp-shinned Hawk 1, Cooper's Hawk 2, Red-tailed Hawk 13, Red-tailed (Harlan's) Hawk 3, Rough-legged Hawk 3, Golden Eagle 2, American Kestrel 19, Ring-necked Pheasant 2, Northern Bobwhite 8, Rock Dove 2, Mourning Dove 13, Belted Kingfisher 4, Red-headed Woodpecker 4, Red-bellied Woodpecker 7, Downy Woodpecker 6, Northern (Yellow-shafted) Flicker 11, Northern (Red-shafted) Flicker 1, Horned Lark 33, Blue Jay 210, American Crow 120, Black-capped Chickadee 46, White-breasted Nuthatch 3, Eastern Bluebird 7, Loggerhead Shrike 1, European Starling 170, Northern Cardinal 24, Rufous-sided Towhee 2, American Tree Sparrow 265, Harris' Sparrow 26, Dark-eyed (Slate-colored) Junco 210, Dark-eyed (Oregon) Junco 16, Red-winged Blackbird 325, Western Meadowlark 26, Common Grackle 21, Brown-headed Cowbird 6, Pine Siskin 14, American Goldfinch 22, House Sparrow 600. Total 38 species (3 additional subspecies), about 2,290 individuals. Seen in area during count period, but not on count day — Wild Turkey, Greater Prairie-chicken, Great Horned Owl, Tufted Titmouse.

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

Garden City. 37° 55'N, 100° 47'W. Center 4 mi SE of junction U.S. 83 spur and U.S. 50. Habitat coverage: grassland 23%, residential areas 23%, oldfields and fencerows 18%, riparian woodland 14%, cultivated fields 14%, ponds 5%, feedlots 3%. December 21, 1986, 8:00 a.m. to 5:30 p.m., 23° to 42° F; Wind N, 1-5 m.p.h.; overcast with heavy patches of fog until noon; clear in P.M.; no snow cover; waters 50% open. Eighteen observers in 5 parties and 7 observers at feeders. Total party-hours 29 (2 on foot, 27 by car) and 16 hrs at feeders. Total party-miles 271 (6 on foot, 265 by car).

Green-winged Teal 303, Mallard 212, American Wigeon 1, Bald Eagle 6, Northern Harrier 4, Sharp-shinned Hawk 1, Cooper's Hawk 1, Red-tailed Hawk 11, Ferruginous Hawk 4, Rough-legged Hawk 6, *Buteo* sp. 25, American Kestrel 17, Prairie Falcon 2, Ring-necked Pheasant 7, Northern Bobwhite 29, Rock Dove 144, Mourning Dove 2, Great Horned Owl 13, Red-bellied Woodpecker 1, Downy Woodpecker 9, Hairy Woodpecker 3, Northern Flicker ssp. 18, Horned Lark 170, Blue Jay 36, Black-billed Magpie 82, American Crow 6, Black-capped Chickadee 8, Red-breasted Nuthatch 2, White-breasted Nuthatch 4, Townsend's Solitaire 13, American Robin 100, Northern Mockingbird 5, Brown Thrasher 1, Bohemian Waxwing 3 (no details — Ed.), Cedar Waxwing 20, European Starling 11,129, Northern Cardinal 5, American Tree Sparrow 107, Field Sparrow 16, Song Sparrow 10, White-crowned Sparrow 167, Harris' Sparrow 119, Dark-eyed Junco ssp. 487, Red-winged Blackbird 202, Western Meadowlark 96, Rusty Blackbird 194, Common Grackle 14, Purple Finch 1, House Finch 177, Red Crossbill 8, Pine Siskin 79, American Goldfinch 37, House Sparrow 1184. Total 52 species, about 15,301 individuals.

Ralph Ausherman, Ben Baffa, Daniel Baffa, Timothy Baffa, Cathy Fenton, Caverly Hart, Brad Holmes, James F. Jarboe, Nell Jones, Betty Langston, Ed Lobdell, Steve Lobdell, Tanya McGinn, Sarah McGinn, Lee Osterbuhr, Marie Osterbuhr (compiler — 1103 Gillespie Pl., Garden City, KS 67846), Tim Powell, Betty Rich, Leonard Rich, Doug Rudick, Dee Rupp, Emaline Scott, Robert E. Scott, Kathy Sexson, and Doug Woods.

Halstead-Newton. 38° 04'N, 97° 28'W. Center 5.75 mi NE 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 20, 1986, 7:00 a.m. to 5:00 p.m., 28° to 48° F; Wind SW, 3-10 m.p.h.; water open; no snow cover, clear. Twenty observers in 6 parties. Total party-hours 52 (32 on foot, 20 by car). Total party-miles 246 (32 on foot, 214 by car).

Great Blue Heron 7, Canada Goose 33, Mallard 3, Lesser Scaup 1, Northern Harrier 7, Sharp-shinned Hawk 4, Cooper's Hawk 1, Red-tailed Hawk 58, Rough-legged Hawk 1, American Kestrel 30, Prairie Falcon 2, Ring-necked Pheasant 12, Northern Bobwhite 106, Killdeer 4, Common Snipe 1, Ring-billed Gull 16, Rock Dove 98, Mourning Dove 73, Eastern Screech-owl 1, Great Horned Owl 10, Belted Kingfisher 5, Red-bellied Woodpecker 27, Downy Woodpecker 42, Hairy Woodpecker 7, Northern (Yellow-shafted) Flicker 15, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 37, Horned Lark 1603, Blue Jay 148, American Crow 285, Black-capped Chickadee 245, Tufted Titmouse 10, White-breasted Nuthatch 13, Brown Creeper 7, Carolina Wren 1, Golden-crowned Kinglet 25, Ruby-crowned Kinglet 1, Eastern Bluebird 3, Mountain Bluebird 1 (excellent details — Ed.), Townsend's Solitaire 1, American Robin 2, Northern Mockingbird 4, Loggerhead Shrike 3, European Starling 16,401, Northern Cardinal 99, Rufous-sided Towhee 20, American Tree Sparrow 305, Field Sparrow 5, Fox Sparrow 2, Song Sparrow 45, White-throated Sparrow 3, White-crowned Sparrow 23, Harris' Sparrow 781, Dark-eyed (Slate-colored) Junco 464, Lapland Longspur 9, Red-winged Blackbird 5755, Eastern Meadowlark 2, Western Meadowlark 29, *Sturnella* sp. 507, Rusty Blackbird 66, Brewer's Blackbird 2, Common Grackle 23, Brown-headed Cowbird 434, Pine Siskin 23, American Goldfinch 102, House Sparrow 1236. Total 63 species (1 additional subspecies), about 29,292 individuals. Seen in area during count period, but not on count day — Gray Catbird (excellent details — Ed.).

Bud Akin, Beverly DeGay, Mary Mae Hardt, Paul Jantzen, Pete Janzen, Rob Lentinin, Jay Newton (compiler — 8 Tenth Street Court, Newton, KS 67114), Wesley Pauls, Joan Phelan, Dwight Platt, Kamala Platt, Richard Platt, Bob Regier, Richmond Schroeder, Richard H. Schmidt, John Torline, Paul Unrau, Nada Voth, Bob Waltner, and Joe Yoder.

Hays. 38° 41'N, 99° 23'W. Center 3.5 mi S, 4 mi W of Hays, Ks. Habitat coverage: riparian woodland 30%, oldfields and fencerows 20%, cultivated fields 20%, residential areas 15%, lakes and rivers 10%, grasslands 5%. December 20, 1986. 8:00 a.m. to 5:30 p.m., 23° to 46° F; Wind NE, 0-5 m.p.h.; trace of snow cover, waters partly frozen. Fourteen observers in 4 parties and 4 observers at feeders. Total party-hours 29.5 (10 on foot, 19.5 by car) and 4 hrs at feeders. Total party-miles 228 (10.5 on foot, 217.5 by car).

Great Blue Heron 11, Bald Eagle 4, Northern Harrier 4, Cooper's Hawk 2, Red-tailed Hawk 26, Ferruginous Hawk 5, Rough-legged Hawk 2, *Buteo* sp. 1, Golden Eagle 1, American Kestrel 9, Prairie Falcon 12, Ring-necked Pheasant 7, Wild Turkey 6, Common Snipe 3, Rock Dove 87, Mourning Dove 44, Eastern Screech-owl 2, Great Horned Owl 11, Belted Kingfisher 3, Red-bellied Woodpecker 7, Downy Woodpecker 17, Hairy Woodpecker 4, Northern (Yellow-shafted) Flicker 9, Northern (Red-shafted) Flicker 13, Northern Flicker ssp. 9, Horned Lark 658, Blue Jay 20, Black-billed Magpie 12, American Crow 105, Black-capped Chickadee 70, Red-breasted Nuthatch 5, White-breasted Nuthatch 5, Brown Creeper 4, Winter Wren 1, Golden-crowned Kinglet 14, American Robin 312, Northern Mockingbird 1, Brown Thrasher 1, Cedar Waxwing 22, European Starling 1199, Northern Cardinal 3, Rufous-sided Towhee 1, American Tree Sparrow 171, Song Sparrow 19, Harris' Sparrow 98, Dark-eyed (Slate-colored) Junco 16, Dark-eyed (Oregon) Junco 5, Dark-eyed Junco ssp. 17, Lapland Longspur 271, Red-winged Blackbird 3516, Western Meadowlark 348, Brown-headed Cowbird 1, House Finch 462, Red Crossbill 81, Pine Siskin 81, American Goldfinch 59, House Sparrow 683. Total 52 species (2 additional subspecies), about 8,559 individuals.

Earl Carlson, Chris Cooper, Donna Cooper (compiler — 2906 Walnut, Hays, KS 67601), Mark Cooper, Edgar Dies, Geneva Dies, Charles Ely, Dan Pinkham, Marvin Rolfs, Tricia Schroeder, Diane Seltman, Scott Seltman, Annie Laurie Steele, and Laura Villasenor.

Hillsdale Reservoir. 38° 37'N, 94° 52'W. Center 2.5 mi W and 1 mi N of Old Hwy. 169 (through Paola, Ks.) and K 68. Habitat coverage: riparian forest 45%, cultivated fields 20%, lakes and rivers 20%, oldfields and fencerows 5%, swamp 5%, grassland 2%, residential areas 1%, marsh 1%, coniferous stands 1%. January 3, 1987, 6:30 a.m.

to 5:45 p.m., 24° to 44° F; Wind calm; trace of snow on ground; reservoir 8% ice cover, ponds 50% ice cover; overcast. Sixteen observers in 7 parties. Total party-hours 35.5 (10 on foot, 25.5 by car) plus 1 hr owling and 3 hrs at feeders. Total party-miles 348 (10 on foot, 338 by car) and 3 miles owling.

Great Blue Heron 14, Canada Goose 40, Snow Goose 35, Green-winged Teal 18, Mallard 1382, Gadwall 19, American Wigeon 1, Common Goldeneye 14, Bufflehead 1, Hooded Merganser 2, Common Merganser 99, Bald Eagle 1, Northern Harrier 22, Sharp-shinned Hawk 3, Cooper's Hawk 2, Red-tailed Hawk 82, Rough-legged Hawk 1, American Kestrel 44, Killdeer 11, Common Snipe 1, Ring-billed Gull 240, Herring Gull 19, Rock Dove 99, Mourning Dove 42, Great Horned Owl 5, Barred Owl 2, Short-eared Owl 1, Belted Kingfisher 2, Red-bellied Woodpecker 24, Downy Woodpecker 41, Hairy Woodpecker 8, Northern Flicker ssp. 21, Pileated Woodpecker 1, Horned Lark 118, Blue Jay 65, American Crow 257, Black-capped Chickadee 401, Tufted Titmouse 51, White-breasted Nuthatch 19, Brown Creeper 2, Golden-crowned Kinglet 1, Eastern Bluebird 17, Northern Mockingbird 6, Cedar Waxwing 8, Loggerhead Shrike 6, European Starling 1156, Northern Cardinal 458, American Tree Sparrow 962, Field Sparrow 2, Song Sparrow 27, Swamp Sparrow 5, White-throated Sparrow 1, White-crowned Sparrow 128, Harris' Sparrow 134, Dark-eyed Junco ssp. 354, Lapland Longspur 10, Red-winged Blackbird 285, Eastern Meadowlark 196, Western Meadowlark 2, Common Grackle 47, Brown-headed Cowbird 2, Purple Finch 1, Pine Siskin 94, American Goldfinch 413, House Sparrow 704. Total 65 species, about 8,229 individuals.

Dave Bryan, Orville and Jo Flager, JoAnn Garrett, Dave Green, Marilyn Harrington, Joan Jefferson, Dan Larsen, E. E. Maxey, Mick McHugh, L. E. Meek, Patty and Mike Mueller (compiler — Hillsdale Lake, Rt. 3, Box 205, Paola, KS 66071), Galen L. Pittman, Gladys Posness, Richard "Mobe" Rucker, Rosanne Smith, and Dorothy Venable.

Junction City. 39° 00'N, 96° 53'W. Center I70 roadside park W of Junction City, Ks. Habitat coverage: riparian forest 24%, lakes and rivers 17%, grassland 15%, oldfields and fencerows 15%, cultivated fields 15%, upland deciduous forest 6%, marsh 5%, residential areas 3%. December 28, 1986, 2:00 a.m. to 8:30 p.m., 28° to 46° F; Wind S, 0-10 m.p.h.; waters partly open; no snow cover; A.M. foggy, P.M. clear. Twenty-six observers in 8 parties. Total party-hours 77 (35 on foot, 42 by car) plus 6.5 hrs owling. Total party-miles 323 (40 on foot, 283 by car) and 40 miles owling.

Great Blue Heron 12, Greater White-fronted Goose 42, Snow Goose (white morph) 2, Snow Goose (blue morph) 1, Canada Goose 283, Green-winged Teal 1, American Black Duck 1, Mallard 5458, Northern Pintail 7, Gadwall 70, American Wigeon 5, Ring-necked Duck 6, Lesser Scaup 17, Common Goldeneye 105, Bufflehead 13, Common Merganser 6141, Bald Eagle 5, Northern Harrier 9, Sharp-shinned Hawk 4, Cooper's Hawk 2, Red-tailed Hawk 65, Red-tailed (Harlan's) Hawk 2, Rough-legged Hawk 3, American Kestrel 40, Ring-necked Pheasant 22, Greater Prairie-chicken 14, Northern Bobwhite 95, American Coot 3, Killdeer 1, Common Snipe 1, Ring-billed Gull 3125, Herring Gull 128, Thayer's Gull 1 (very good details — Ed.), Rock Dove 241, Mourning Dove 2, Eastern Screech-owl 1, Great Horned Owl 5, Barred Owl 3, Long-eared Owl 2, Belted Kingfisher 17, Red-bellied Woodpecker 36, Yellow-bellied Sapsucker 1, Downy Woodpecker 98, Hairy Woodpecker 12, Northern (Yellow-shafted) Flicker 79, Northern (Red-shafted) Flicker 11, Northern Flicker ssp. 10, Horned Lark 125, Blue Jay 156, American Crow 413, Black-capped Chickadee 492, Tufted Titmouse 44, Red-breasted Nuthatch 14, White-breasted Nuthatch 71, Brown Creeper 37, Carolina Wren 3, Bewick's Wren 1, Winter Wren 3, Marsh Wren 5, Golden-crowned Kinglet 95, Eastern Bluebird 18, Townsend's Solitaire 1, American Robin 20, Gray Catbird 4 (no details — Ed.), Cedar Waxwing 6, Loggerhead Shrike 4, European Starling 653, Northern Cardinal 355, Rufous-sided Towhee 11, American Tree Sparrow 1835, Field Sparrow 2, Song Sparrow 29, Lincoln's Sparrow 1, Swamp Sparrow 1, White-throated Sparrow 5, White-crowned Sparrow 17, Harris' Sparrow 426, Dark-eyed (Slate-colored) Junco 1220, Dark-eyed (Oregon) Junco 13, Dark-eyed Junco ssp. 58, Lapland Longspur 15, Red-winged Blackbird 1050, Eastern Meadowlark 30, Western Meadowlark 28, *Sturnella* sp. 80, Red Crossbill 17, Pine Siskin 304, American Goldfinch 370,

House Sparrow 802. Total 82 species (3 additional subspecies), about 25,036 individuals. Seen in area during count period, but not on count day — Pied-billed Grebe, Double-crested Cormorant, Northern Shoveler, Canvasback, Merlin, Glaucous Gull (no details — Ed.), Red-headed Woodpecker, Northern Shrike (excellent details — Ed.), Yellow-rumped Warbler.

Cecil Best, Kenny Brooks, Amy and Dave Bryan, Ted Cable, Lorena Combs, Neil Detrich, Kevin Fay, Elmer Finck, Craig Frank, Buddy Gray, Cindy and Gary Jeffrey, Jeff Keating, Duane Kerr, Dan, John and Robert LaShelle (compiler — 328 W. 7th St., #1, Junction City, KS 66441), David Rintoul, Tim Rues, Diane and Scott Seltman, Tom Shane, Tom Shields, Ruth Welti, and John Zimmerman.

Kingman. 37° 38'N, 98° 16'W. Center Headquarters of Kingman Wildlife Area. Habitat coverage: riparian woodland 50%, cultivated fields 25%, grassland 20%, lakes and rivers 2%, coniferous stands 1%, residential areas 1%, swamp 1%. December 28, 1986, 7:45 a.m. to 5:15 p.m., 26° to 46° F; Wind NW, 3-5 m.p.h.; waters open; no snow cover; foggy in early A.M., then partly cloudy. Six observers in 3 parties. Total party-hours 14 (8.5 on foot, 5.5 by car). Total party-miles 149 (4 on foot, 145 by car).

Great Blue Heron 5, Canada Goose 30, Mallard 26, Common Merganser 1, Northern Harrier 3, Red-tailed Hawk 17, Rough-legged Hawk 2, American Kestrel 19, Prairie Falcon 1, Northern Bobwhite 11, Rock Dove 3, Mourning Dove 18, Great Horned Owl 1, Belted Kingfisher 2, Red-bellied Woodpecker 2, Downy Woodpecker 7, Northern (Yellow-shafted) Flicker 3, Northern (Red-shafted) Flicker 2, Horned Lark 21, Blue Jay 7, American Crow 12, Black-capped Chickadee 43, White-breasted Nuthatch 1, Eastern Bluebird 5, American Robin 3, Northern Mockingbird 2, European Starling 827, Northern Cardinal 25, Rufous-sided Towhee 2, American Tree Sparrow 496, Song Sparrow 4, White-throated Sparrow 1, White-crowned Sparrow 3, Harris' Sparrow 333, Dark-eyed (Slate-colored) Junco 114, Dark-eyed (Oregon) Junco 5, Lapland Longspur 25, Red-winged Blackbird 15,138, Eastern Meadowlark 136, Western Meadowlark 33, Rusty Blackbird 64, Brewer's Blackbird 25, Common Grackle 45, American Goldfinch 51, House Sparrow 46. Total 43 species (2 additional subspecies), about 17,620 individuals. Seen in area during count period, but not on count day — Bald Eagle, Ring-billed Gull, Loggerhead Shrike.

Wilma Hawkins, Eugene Krehbiel, Charlie Shoemake, Getha Shoemake, Byron Walker (compiler — 235 West Copeland, Kingman, KS 67068), and June Walker.

Lawrence. 39° 00'N, 95° 18'W. Center 1.5 mi N and 2.7 mi W junction of U.S. 40 and U.S. 59 in northwest Lawrence, Ks. Habitat coverage: oldfields and fencerows 24%, cultivated fields 17%, upland deciduous forest 15%, grassland 15%, riparian forest 11%, lakes and rivers 9%, residential areas 8%, coniferous stands 1%. December 20, 1986, 6:00 a.m. to 6:30 p.m., 26° to 56° F; Wind W, 0-5 m.p.h.; water open; no snow cover; A.M. clear, foggy in late P.M. Twenty-nine observers in 10 parties and 2 observers at feeders. Total party-hours 88 (36 on foot, 52 by car) plus 4 hrs owling and 7 hrs at feeders. Total party-miles 535 (33 on foot, 502 by car) and 12.5 miles owling.

Pied-billed Grebe 1, American White Pelican 1, Double-crested Cormorant 4, Great Blue Heron 3, Snow Goose (white morph) 1350, Snow Goose (blue morph) 1000, Canada Goose 25, Mallard 850, Northern Pintail 9, Northern Shoveler 9, Gadwall 4, Canvasback 3, Lesser Scaup 10, Common Goldeneye 76, Common Merganser 1080, Bald Eagle 12, Northern Harrier 12, Sharp-shinned Hawk 3, Cooper's Hawk 2, Red-tailed Hawk 106, *Buteo* sp. 1, American Kestrel 27, Northern Bobwhite 5, Bonaparte's Gull 33 (no details — Ed.), Ring-billed Gull 2100, Herring Gull 3, *Larus* sp. 60, Rock Dove 316, Mourning Dove 54, Eastern Screech-owl 4, Great Horned Owl 15, Barred Owl 4, Long-eared Owl 1, Belted Kingfisher 4, Red-headed Woodpecker 2, Red-bellied Woodpecker 48, Yellow-bellied Sapsucker 2, Downy Woodpecker 81, Hairy Woodpecker 14, Northern (Yellow-shafted) Flicker 26, Northern (Red-shafted) Flicker 2, Northern Flicker ssp. 5, Horned Lark 60, Blue Jay 136, American Crow 246, Black-capped Chickadee 355, Tufted Titmouse 67, Red-breasted Nuthatch 1, White-breasted Nuthatch 44, Brown Creeper 9, Carolina Wren 2, Golden-crowned Kinglet 15, Eastern Bluebird 21,

American Robin 12, Northern Mockingbird 5, Cedar Waxwing 12, Loggerhead Shrike 6, European Starling 3060, Northern Cardinal 361, Rufous-sided Towhee 1, American Tree Sparrow 830, Field Sparrow 2, LeConte's Sparrow 2 (no details — Ed.), Fox Sparrow 3, Song Sparrow 109, Lincoln's Sparrow 4, Swamp Sparrow 54, White-throated Sparrow 38, White-crowned Sparrow 13, Harris' Sparrow 87, Dark-eyed (Slate-colored) Junco 843, Dark-eyed (Oregon) Junco 2, Dark-eyed (White-winged) Junco 1, Dark-eyed Junco ssp. 467, Lapland Longspur 36, Red-winged Blackbird 1050, Eastern Meadowlark 31, Western Meadowlark 5, *Sturnella* sp. 223, Rusty Blackbird 30, Purple Finch 4, Pine Siskin 782, American Goldfinch 272, House Sparrow 850. Total 75 species (3 additional subspecies), about 17,548 individuals. Seen in area during count period, but not on count day — Greater White-fronted Goose.

Mary Allen, Bob Antonio, Bonnie Berger, Bryon Berger, Brad Bergstrom, Roger Boyd, Calvin Cink, Barbara Clauson, Ruth Fauhl, Henry Fitch, Lin Fredericksen, Hank Guarisco, Bill and Shirley Griffith, John Harms, Bill Hays, Wayne Hoffman, Joe Hyde, Terry Lastovicka, Christy Ogg, Galen Pittman (compiler — RR 4, Box 260, Lawrence, KS 66044), Bob and Richard Rucker, Dawn Sharp, Ed and Cynthia Shaw, Pennie Von Achhen, Ron and Joyce Wolf.

Linn County. 38° 17'N, 94° 45'W. Center southwest corner Unit G, Marais des Cygnes Wildlife Area. Habitat coverage: lakes and rivers 37%, cultivated fields 25%, riparian forest 23%, marsh 12%, residential areas 3%. December 21, 1986, 6:00 a.m. to 3:30 p.m., 25° to 30° F; Wind S, 5-10 m.p.h.; water open; no snow cover; cloudy A.M., partly cloudy P.M. Three observers in 2 parties. Total party-hours 13 (1 on foot, 12 by car) plus 1.25 hrs owling. Total party-miles 256 (1 on foot, 255 by car) and 3 miles owling.

Pied-billed Grebe 1, American White Pelican 3, Double-crested Cormorant 1, Great Blue Heron 9, Snow Goose (white morph) 800, Snow Goose (blue morph) 300, Ross' Goose 1 (no details — Ed.), Canada Goose 4117, American Black Duck 1, Mallard 3537, Northern Pintail 718, Gadwall 7, American Wigeon 4, Canvasback 16, Redhead 14, Ring-necked Duck 738, Lesser Scaup 58, Common Goldeneye 31, Hooded Merganser 3, Common Merganser 5, Bald Eagle 7, Northern Harrier 5, Red-shouldered Hawk 1, Red-tailed Hawk 44, Red-tailed (Krider's) Hawk 1 (excellent details — Ed.), American Kestrel 13, Northern Bobwhite 9, American Coot 6, Ring-billed Gull 69, Rock Dove 50, Mourning Dove 45, Great Horned Owl 8, Barred Owl 4, Belted Kingfisher 9, Red-headed Woodpecker 36, Red-bellied Woodpecker 32, Yellow-bellied Sapsucker 1, Downy Woodpecker 25, Hairy Woodpecker 5, Northern (Yellow-shafted) Flicker 10, Pileated Woodpecker 2, Horned Lark 9, Blue Jay 168, American Crow 140, Black-capped Chickadee 176, Tufted Titmouse 53, White-breasted Nuthatch 16, Brown Creeper 3, Carolina Wren 3, Golden-crowned Kinglet 2, Eastern Bluebird 14, Northern Mockingbird 1, Loggerhead Shrike 5, European Starling 351, Northern Cardinal 116, American Tree Sparrow 88, Fox Sparrow 1, Song Sparrow 23, Swamp Sparrow 24, White-crowned Sparrow 35, Harris' Sparrow 10, Dark-eyed (Slate-colored) Junco 480, Red-winged Blackbird 889, Eastern Meadowlark 32, *Sturnella* sp. 91, Rusty Blackbird 57, Common Grackle 5, Brown-headed Cowbird 2, Purple Finch 1, American Goldfinch 126, House Sparrow 475. Total 68 species (1 additional subspecies), about 14,142 individuals.

Roger Boyd (compiler — Biology Dept., Baker University, Baldwin City, KS 66006), Steve Crawford and Martin Pressgrove.

Manhattan. 39° 11'N, 96° 34'W. Center Anderson Hall, Kansas State University campus. Habitat coverage: riparian forest 28%, upland deciduous forest 23%, oldfields and fencerows 12%, lakes and rivers 12%, grasslands 9%, cultivated fields 6%, marsh 4%, residential areas 3%, coniferous stands 3%. December 20, 1986, 3:00-6:00 a.m. and 7:00 a.m. to 5:30 p.m. 28° to 38° F; Wind N, 0-5 m.p.h.; waters partly open; no snow cover; dense fog in A.M., light fog and overcast in P.M. Eighty-eight observers in 19 parties. Total party-hours 194 (124 on foot, 70 by car) and 3 hrs owling. Total party-miles 706 (136 on foot, 570 by car) and 39 miles owling.

Pied-billed Grebe 2, American White Pelican 3, Double-crested Cormorant 2, Great Blue Heron 16, Canada Goose 174, Green-winged Teal 131, Mallard 783, Gadwall 11,

Canvasback 4, Lesser Scaup 9, Common Goldeneye 78, Bufflehead 14, Common Merganser 4120, Red-breasted Merganser 2 (good details — Ed.), Bald Eagle 48, Northern Harrier 33, Sharp-shinned Hawk 11, *Accipiter* sp. 1, Red-tailed Hawk 138, Red-tailed (Harlan's) Hawk 8, Rough-legged Hawk 4, American Kestrel 55, Merlin 2, Ring-necked Pheasant 28, Greater Prairie-chicken 17, Northern Bobwhite 658, American Coot 2, Killdeer 1, Spotted Sandpiper 1 (very good details — Ed.), Common Snipe 2, Ring-billed Gull 1967, Herring Gull 13, Rock Dove 322, Mourning Dove 17, Common Barn-owl 1, Eastern Screech-owl 11, Great Horned Owl 31, Barred Owl 6, Long-eared Owl 1, Short-eared Owl 3, Belted Kingfisher 33, Red-headed Woodpecker 59, Red-bellied Woodpecker 165, Yellow-bellied Sapsucker 7, Downy Woodpecker 247, Hairy Woodpecker 51, Northern (Yellow-shafted) Flicker 75, Northern (Red-shafted) Flicker 4, Northern Flicker ssp. 46, Horned Lark 25, Blue Jay 611, American Crow 1127, Black-capped Chickadee 1725, Tufted Titmouse 221, Red-breasted Nuthatch 4, White-breasted Nuthatch 164, Brown Creeper 102, Carolina Wren 1, Bewick's Wren 1, Winter Wren 6, Golden-crowned Kinglet 99, Eastern Bluebird 9, Townsend's Solitaire 1, American Robin 25, Cedar Waxwing 82, Loggerhead Shrike 3, European Starling 2689, Northern Cardinal 1478, Rufous-sided Towhee 12, American Tree Sparrow 3967, Field Sparrow 5, Fox Sparrow 6, Song Sparrow 61, Lincoln's Sparrow 2, Swamp Sparrow 4, White-throated Sparrow 25, White-crowned Sparrow 32, Harris' Sparrow 840, Dark-eyed (Slate-colored) Junco 5040, Dark-eyed (Oregon) Junco 198, Dark-eyed Junco ssp. 346, Red-winged Blackbird 2398, Eastern Meadowlark 1, Western Meadowlark 87, *Sturnella* sp. 166, Rusty Blackbird 276, Brewer's Blackbird 50, Common Grackle 64, Brown-headed Cowbird 50, Pine Siskin 316, American Goldfinch 1439, House Sparrow 1796. Total 85 species (3 additional subspecies), about 34,971 individuals. Seen in area during count period but not on count day — Hooded Merganser, Ruby-crowned Kinglet.

Patsy Best Alves, Mike Barnes, Nancy Barnes, Cecil Best, Kim Brawley, Michelle Brawley, John Briggs, Kenny Brooks, Melissa Brown, Ted Cable, Terry Campbell, Wayne Corn, Brock Dale, Michael Donnelly, Pat Drees, Greg Farley, Susan Farley, Kevin Fay, Phil Fay, Clyde Ferguson, Marilena Ferguson, Elmer Finck, Lavonne Finck, Esther Flemming, Nathan Folland, Craig Frank, Mark Garland, Benjamin Gray, Marion Gray, Steve Hansen, Leann Harrell, Ed Hellman, Pam Hellman, Ido Izhaki, Lynn Jensen, Terry Jewitt, Lowell Johnson, Maurice Johnson, Mark Joy, Linda Kassebaum, Duane Kerr, Ron Klataske, Jim Koelliker, Angel Kwalek-Folland, Sam Lacey, John LaShelle, Charlotte Lorenzen, Dick Marzolf, Bruce McEnroe, Fred Mikesell, Barry Mitchie, Larry Moeller, Marge Muenzenberger, B. Munshi, Hala Muhtasib, Doug Mullinex, Pam Mullinex, Michael Oldfather, Carol Pacey, Ed Pembleton, Sil Pembleton, Ted Pittenger, Tate Posey, Diane Post, Gary Radke, Cindy Rebar, Dave Redmond, Dave Rintoul, Mike Rader, Tom Ryan, Cliff Schuette, Lynn Schanker, Neil Schanker, Andy Smith, Chris Smith, Guy Smith, Dana Townsend, Harvard Townsend, Joyce Vasconcelles, Roger Vasconcelles, Laurie Vickers, Clarence Waters, Jean Waters, Paul Weidhaas, Ruth Welti, Alyce Wheland, Jan Zimmerman, John Zimmerman (compiler — Div. Biol., Kans. St. Univ., Manhattan, KS 66506) (Northern Flint Hills Audubon Society).

Meade County. 37° 15'N, 100° 20'W. Center 1.5 mi S Meade, Ks. on U.S. 23. Habitat coverage: riparian woodland 50%, lakes and rivers 20%, residential areas 15%, cultivated fields 10%, oldfields and fencerows 5%. December 20, 1986. 7:30 a.m. to 3:00 p.m., 20° to 55° F; Wind calm; waters open; clear. Three observers in 1 party and 1 observer at feeders. Total party-hours 7.5 (6.5 on foot, 1 by car) and 1 hr at feeders. Total party-miles 45 (15 on foot, 30 by car).

Tundra Swan 3, Canada Goose 3800, Mallard 2000, Gadwall 2, American Wigeon 1, Ruddy Duck 50, Bald Eagle 2, Northern Harrier 1, Red-tailed Hawk 4, Rough-legged Hawk 2, American Kestrel 2, Northern Bobwhite 26, American Coot 70, Great Horned Owl 1, Belted Kingfisher 1, Red-bellied Woodpecker 1, Downy Woodpecker 6, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 1, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 1, Horned Lark 3, Black-billed Magpie 2, American Crow 14, Black-capped Chickadee 8, White-breasted Nuthatch 3, Townsend's Solitaire 1, American Robin 41, Loggerhead Shrike 1, European Starling 26, Rufous-sided Towhee 4,

American Tree Sparrow 4, Song Sparrow 82, Harris' Sparrow 36, Dark-eyed (Slate-colored) Junco 4, Dark-eyed (Oregon) Junco 41, Dark-eyed Junco ssp. 106, Western Meadowlark 55, House Finch 15, Pine Siskin 3, American Goldfinch 4, House Sparrow 40. Total 38 species (2 additional subspecies), about 6,472 individuals. Seen in area during count period, but not on count day — Greater White-fronted Goose, Prairie Falcon, Ring-necked Pheasant, Rock Dove, Common Barn-owl, Blue Jay, Northern Cardinal.

Tom Flowers (compiler — P. O. Box 87, Meade, KS 67864), Ada Heinson, Rita Keaney.

Olathe. 38° 55'N, 94° 51'W. Center junction of 119th Street and K7. Habitat coverage: riparian forest 25%, lakes and rivers 25%, upland deciduous forest 15%, grassland 10%, coniferous stands 10%, cultivated fields 5%, oldfields and fencerows 5%, residential areas 5%. December 28, 1986. 5:00 a.m. to 5:00 p.m., 25° to 38° F; Wind W, 0-5 m.p.h.; waters mostly open; no snow cover; foggy and overcast but breaks in the overcast after 3:30 p.m. Eleven observers in 4 parties and 8 observers at feeders. Total party-hours 31 (2 on foot, 29 by car) plus 2 hrs owling and 15 hrs at feeders. Total party-miles 294 (4 on foot, 290 by car) and 20 miles owling.

Pied-billed Grebe 2, Great Blue Heron 1, Snow Goose (blue morph) 1, Canada Goose 35, Mallard 188, Northern Pintail 2, Blue-winged Teal 1 (excellent details — Ed.), Gadwall 3, Lesser Scaup 1, Common Goldeneye 3, Ruddy Duck 3, Northern Harrier 1, Sharp-shinned Hawk 2, Red-tailed Hawk 46, Red-tailed (Harlan's) Hawk 1, Red-tailed (Kriider's) Hawk 1, Rough-legged Hawk 1, American Kestrel 24, Northern Bobwhite 9, Killdeer 1, Common Snipe 6, Ring-billed Gull 143, Herring Gull 2, Rock Dove 76, Mourning Dove 8, Eastern Screech-owl 4, Great Horned Owl 11, Barred Owl 1, Belted Kingfisher 2, Red-bellied Woodpecker 12, Downy Woodpecker 48, Hairy Woodpecker 9, Northern (Yellow-shafted) Flicker 6, Horned Lark 441, Blue Jay 82, American Crow 211, Black-capped Chickadee 234, Tufted Titmouse 78, White-breasted Nuthatch 19, Brown Creeper 9, Winter Wren 1, Golden-crowned Kinglet 3, Ruby-crowned Kinglet 1, Eastern Bluebird 4, Northern Mockingbird 3, Loggerhead Shrike 3, European Starling 1897, Northern Cardinal 192, American Tree Sparrow 121, Song Sparrow 6, White-crowned Sparrow 9, Harris' Sparrow 12, Dark-eyed (Slate-colored) Junco 453, Lapland Longspur 382, Red-winged Blackbird 9, Eastern Meadowlark 36, Rusty Blackbird 1, Brown-headed Cowbird 1, Purple Finch 2, Pine Siskin 114, American Goldfinch 153, House Sparrow 861. Total 60 species (2 additional subspecies), about 5,992 individuals. Seen in area during count period, but not on count day — Bufflehead, Golden Eagle, Yellow-bellied Sapsucker.

Ramona Bennett, Roger Boyd, Mark Corder, Steve Crawford (compiler — 21465 W. 180th St., Olathe, KS 66062), Brett Hacker, Frank Lewandowski, Mick McHugh, Richard Neiman, Walter Ross, Angie Scharnhorst, and Paul Watson.

Oskaloosa-Perry Lake. 39° 12'N, 95° 24'W. Center entrance to Camp Jayhawk BSA (NE corner sec. 9, T10S, R18E). Habitat coverage: oldfields and fencerows 28%, lakes and rivers 24%, upland deciduous forest 19%, riparian forest 14%, cultivated fields 9%, grassland 4%, residential areas 2%. December 21, 1986, 7:15 a.m. to 6:00 p.m., 33° to 36° F; Wind variable, 0-6 m.p.h.; water open; no snow cover; dense fog with visibility less than 0.1 mi in A.M. with light mist in P.M. and visibility increasing to 0.5 mi. Sixteen observers in 6 parties. Total party-hours 53 (22.5 on foot, 30.5 by car). Total party-miles 315 (21 on foot, 294 by car).

Great Blue Heron 3, Greater White-fronted Goose 50, Snow Goose (white morph) 2100, Snow Goose (blue morph) 1400, Canada Goose 210, Mallard 2000, Ring-necked Duck 5, Common Goldeneye 31, Common Merganser 575, Bald Eagle 22, Northern Harrier 1, Red-tailed Hawk 62, Rough-legged Hawk 1, American Kestrel 20, Prairie Falcon 1 (excellent details — Ed.), Ring-necked Pheasant 2, Northern Bobwhite 70, Sora 2 (good details, heard — Ed.), Ring-billed Gull 136, Herring Gull 7, Rock Dove 58, Mourning Dove 2, Eastern Screech-owl 1, Great Horned Owl 9, Barred Owl 1, Belted Kingfisher 5, Red-headed Woodpecker 2, Red-bellied Woodpecker 40, Downy Woodpecker 101, Hairy Woodpecker 23, Northern (Yellow-shafted) Flicker 8, Northern

Flicker ssp. 8, Horned Lark 50, Blue Jay 138, American Crow 74, Black-capped Chickadee 500, Tufted Titmouse 110, Red-breasted Nuthatch 2, White-breasted Nuthatch 41, Brown Creeper 22, Winter Wren 2, Golden-crowned Kinglet 20, Eastern Bluebird 9, American Robin 14, Northern Mockingbird 1, Loggerhead Shrike 6, European Starling 310, Northern Cardinal 180, American Tree Sparrow 650, Song Sparrow 24, Lincoln's Sparrow 2, White-throated Sparrow 2, White-crowned Sparrow 9, Harris' Sparrow 49, Dark-eyed (Slate-colored) Junco 830, Dark-eyed (Oregon) Junco 30, Dark-eyed Junco ssp. 275, Eastern Meadowlark 7, *Sturnella* sp. 23, Common Grackle 3, Brown-headed Cowbird 3, Pine Siskin 36, American Goldfinch 115, House Sparrow 350. Total 59 species (1 additional subspecies), about 10,843 individuals. Seen in area during count period, but not on count day — American Black Duck, Lesser Scaup, and Red-breasted Merganser (no details — Ed.).

Mary Allen, Byron Berger, Joanne Brier, Arlene and Robert Delker, Ruth Faulh, Jennifer Jones, E. M. and E. R. Lewis, Galen Pittman, Mike Rader, Danny and Bob Rucker, Richard Rucker (compiler — 121 E. 17th St., Lawrence, KS 66044-4233), Chris Smith and Roseanne Smith.

Parsons. 37° 30'N, 95° 15'W. Center 0.5 mi E of U.S. 59, 5.5 mi N of Neosho-Labette County line. Habitat coverage: cultivated fields 38%, riparian forest 37%, marsh 15%, oldfields and fencerows 10%. December 21, 1986, 7:00 a.m. to 5:30 p.m., 25° to 35° F; Wind ESE, 5 m.p.h.; water open; no snow cover; dense fog in early A.M., lifting at mid-day to become overcast the rest of the day. Eleven observers in 5 parties and 1 observer at feeders. Total party-hours 30 (11 on foot, 19 by car) and 2 hrs at feeders. Total party-miles 265 (7 on foot, 258 by car).

Pied-billed Grebe 1, Great Blue Heron 1, Canada Goose 5, Wood Duck 4, Mallard 10,788, Northern Pintail 11, Gadwall 1, American Wigeon 1, Hooded Merganser 1, Bald Eagle 5, Northern Harrier 9, Sharp-shinned Hawk 1, Red-tailed Hawk 52, *Buteo* sp. 6, American Kestrel 31, Northern Bobwhite 61, American Coot 502, Killdeer 16, Rock Dove 132, Mourning Dove 19, Great Horned Owl 2, Belted Kingfisher 1, Red-headed Woodpecker 19, Red-bellied Woodpecker 32, Yellow-bellied Sapsucker 2, Downy Woodpecker 19, Hairy Woodpecker 5, Northern (Yellow-shafted) Flicker 12, Northern (Red-shafted) Flicker 4, Blue Jay 109, American Crow 58, Black-capped Chickadee 2, Carolina Chickadee 76, Tufted Titmouse 36, White-breasted Nuthatch 7, Brown Creeper 3, Golden-crowned Kinglet 1, Eastern Bluebird 28, American Robin 21, Gray Catbird 1 (no details — Ed.), Northern Mockingbird 19, Brown Thrasher 1, Loggerhead Shrike 18, European Starling 2496, Northern Cardinal 189, American Tree Sparrow 14, Field Sparrow 15, Savannah Sparrow 1, Swamp Sparrow 1, White-throated Sparrow 7, White-crowned Sparrow 55, Harris' Sparrow 62, Dark-eyed (Slate-colored) Junco 94, Red-winged Blackbird 2506, Eastern Meadowlark 221, Purple Finch 12, Pine Siskin 3, American Goldfinch 186, House Sparrow 428. Total 57 species (1 additional subspecies), about 18,413 individuals. Seen in area during count period, but not on count day — Golden Eagle (no details — Ed.), Wild Turkey, Pileated Woodpecker, Horned Lark, Rusty Blackbird.

Donna Blackburn, Bill Brewer, Marge Gilpin, Patricia Holland, W. W. Holland, R. W. McCandless (compiler — P. O. Box 753, Parsons, KS 67357), Griff Roberts, Martin Roberts, Mary Roberts, Paul Roberts, T. E. Webster (Southeast Kansas Audubon Society).

Pomona Lake. 38° 41'N, 95° 41'W. Center intersection of U.S. 75 and Dragoon Creek. Habitat coverage: oldfields and fencerows 23%, riparian forest 20%, lakes and rivers 15%, grassland 15%, cultivated fields 10%, upland deciduous forest 10%, residential areas 4%, coniferous stands 2%, marsh 1%. December 20, 1986. 7:30 a.m. to 5:00 p.m., 28° to 47° F; Wind SW, 0-5 m.p.h.; Pomona Lake 90% open, ponds and rivers partially frozen; no snow cover; clear in A.M., cloudy and hazy in P.M. Thirteen observers in 4 parties and 2 observers at feeders. Total party-hours 29.5 (15.5 on foot, 14 by car) and 1 hr owling and 5 hrs at feeders. Total party-miles 184.5 (9.5 on foot, 175 by car) and 10 miles owling.

Double-crested Cormorant 1, Great Blue Heron 5, Greater White-fronted Goose 7,

Canada Goose 1, Mallard 58, Northern Pintail 7, Northern Shoveler 8, Common Goldeneye 5, Common Merganser 736, Red-breasted Merganser 1 (no details — Ed.), Bald Eagle 2, Northern Harrier 15, Red-tailed Hawk 46, American Kestrel 27, Greater Prairie-chicken 62, Northern Bobwhite 21, Ring-billed Gull 57, *Larus* sp. 1, Rock Dove 5, Mourning Dove 75, Eastern Screech-owl 4, Great Horned Owl 4, Barred Owl 5, Belted Kingfisher 4, Red-bellied Woodpecker 21, Downy Woodpecker 31, Hairy Woodpecker 5, Northern (Yellow-shafted) Flicker 5, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 4, Horned Lark 62, Blue Jay 12, American Crow 148, Black-capped Chickadee 268, Tufted Titmouse 60, Red-breasted Nuthatch 3, White-breasted Nuthatch 26, Brown Creeper 9, Winter Wren 1, Golden-crowned Kinglet 9, Ruby-crowned Kinglet 1, Eastern Bluebird 6, American Robin 5, Northern Mockingbird 4, Loggerhead Shrike 6, European Starling 333, Northern Cardinal 158, Rufous-sided Towhee 1, American Tree Sparrow 322, Field Sparrow 27, Song Sparrow 4, Lincoln's Sparrow 2, White-throated Sparrow 10, White-crowned Sparrow 20, Harris' Sparrow 149, Dark-eyed (Slate-colored) Junco 13, Dark-eyed Junco ssp. 400, Red-winged Blackbird 1116, Eastern Meadowlark 1, Western Meadowlark 2, *Sturnella* sp. 160, Rusty Blackbird 13, Brewer's Blackbird 30, Pine Siskin 33, American Goldfinch 253, House Sparrow 226. Total 61 species (1 additional subspecies), about 5,119 individuals.

John M. Brockway, Martin and Johnnie Brockway, Bob Culbertson (compiler — P. O. Box 582, New Strawn, KS 66839), Carol Culbertson, Dave and Mary Dunsmoor, Orville and Jo Flager, Bruce Melberg, Ken and Evelyn Redman, and Dan 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: grassland 45%, oldfields and fencerows 20%, cultivated fields 20%, marsh 15%. December 18, 1986. 8:00 a.m. to 5:00 p.m., 28° to 42° F; Wind S, 0-5 m.p.h.; waters mostly open; partly cloudy. Twelve observers in 3 parties. Total party-hours 24.5 (4.5 on foot, 20 by car). Total party-miles 197 (6 on foot, 191 by car).

Greater White-fronted Goose 5225, Snow Goose (white morph) 2570, Snow Goose (blue morph) 450, Canada Goose 28,750, Green-winged Teal 205, Mallard 28,330, Northern Pintail 12, Northern Shoveler 16, American Wigeon 1, Redhead 1, Lesser Scaup 8, Common Goldeneye 29, Bufflehead 9, Hooded Merganser 4, Common Merganser 62, Bald Eagle 20, Northern Harrier 30, Sharp-shinned Hawk 2, Cooper's Hawk 1, Red-tailed Hawk 57, Rough-legged Hawk 9, American Kestrel 18, Ring-necked Pheasant 53, Wild Turkey 245, Northern Bobwhite 46, Ring-billed Gull 60, Herring Gull 2, Rock Dove 1, Mourning Dove 2, Eastern Screech-owl 1, Great Horned Owl 10, Red-bellied Woodpecker 7, Downy Woodpecker 23, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 12, Northern (Red-shafted) Flicker 13, Northern Flicker ssp. 26, Horned Lark 30, Blue Jay 33, Black-billed Magpie 6, American Crow 101, Black-capped Chickadee 57, Carolina Chickadee 1 (no details — Ed.), Golden-crowned Kinglet 8, Ruby-crowned Kinglet 2, Townsend's Solitaire 1, American Robin 43, Brown Thrasher 1, Loggerhead Shrike 3, European Starling 209, Northern Cardinal 24, Rufous-sided Towhee 6, American Tree Sparrow 1018, Song Sparrow 28, Swamp Sparrow 3, Harris' Sparrow 536, Dark-eyed (Slate-colored) Junco 104, Dark-eyed (Oregon) Junco 37, Dark-eyed Junco ssp. 22, Red-winged Blackbird 124,585, Eastern Meadowlark 1, Western Meadowlark 1, *Sturnella* sp. 414, Common Grackle 30, Brown-headed Cowbird 3, Pine Siskin 10, American Goldfinch 56, Evening Grosbeak 3 (excellent details — Ed.), House Sparrow 55. Total 63 species (2 additional subspecies), about 193,743 individuals. Seen in area during count period, but not on count day — White-crowned Sparrow.

Karen Carlidge, Wallace Champeny, Lorena Combs, Dan Dyck, Jennifer Dyck, Rick Goodrick, Dan Kilby, Jim Pruner, Scott Seltman, Jean Stramel, Gary Sullivan (compiler — Rt. 3, Box 48A, Stafford, KS 67578), and Tammy Williford.

Reno County-Yoder. 37° 75'N, 97° 61'W. Center 3 mi S Yoder, Ks. intersection of Haven-Arlington and Yoder Rds. Habitat coverage: cultivated fields 55%, lakes and rivers 15%, grassland 15%, upland deciduous forest 10%, riparian woodland 5%. December 20, 1986. 7:45 a.m. to 5:30 p.m., 24° to 46° F; Wind S, 5-15 m.p.h.; waters partly

frozen, no snow cover, partly foggy in A.M., clear in P.M. Twenty-two observers in 7 parties and 1 observer at feeders. Total party-hours 51.5 (20 on foot, 30.5 by car, 1 on horseback) and 1 hr at feeders. Total party-miles 308 (21.5 on foot, 285.5 by car, 1 on horseback).

American White Pelican 1, Great Blue Heron 9, Greater White-fronted Goose 25, Snow Goose (white morph) 2, Snow Goose (blue morph) 1, Canada Goose 5000, Green-winged Teal 12, Mallard 1609, Common Merganser 1, Bald Eagle 3, Northern Harrier 24, Sharp-shinned Hawk 2, Red-tailed Hawk 59, Ferruginous Hawk 1, Rough-legged Hawk 10, *Buteo* sp. 12, American Kestrel 48, Prairie Falcon 4, Ring-necked Pheasant 38, Northern Bobwhite 85, Killdeer 4, Ring-billed Gull 8, Rock Dove 112, Mourning Dove 2, Great Horned Owl 10, Belted Kingfisher 3, Red-bellied Woodpecker 10, Downy Woodpecker 31, Hairy Woodpecker 9, Northern (Yellow-shafted) Flicker 31, Northern (Red-shafted) Flicker 2, Horned Lark 1263, Blue Jay 156, American Crow 341, Black-capped Chickadee 261, Tufted Titmouse 31, White-breasted Nuthatch 2, Brown Creeper 2, Golden-crowned Kinglet 7, Ruby-crowned Kinglet 2, Eastern Bluebird 15, American Robin 22, Loggerhead Shrike 11, European Starling 4166, Northern Cardinal 85, Rufous-sided Towhee 17, American Tree Sparrow 925, Field Sparrow 4, Fox Sparrow 1, Song Sparrow 49, White-throated Sparrow 1, White-crowned Sparrow 82, Harris' Sparrow 6142, Dark-eyed (Slate-colored) Junco 1086, Dark-eyed (Oregon) Junco 1, Lapland Longspur 300, Red-winged Blackbird 124,046, Eastern Meadowlark 980, Western Meadowlark 489, Rusty Blackbird 1516, Brewer's Blackbird 1500, Common Grackle 1000, Brown-headed Cowbird 2694, Pine Siskin 179, American Goldfinch 398, House Sparrow 1530. Total 62 species (2 additional subspecies), about 156,472 individuals.

Levi Beaver, Gary Blevins, Randy and Mary Clark (compiler — Rt. 1, Buhler, KS 67522), Lorena Combs, Louise Davis, Lawrence Doughty, Dan, Linda, Marilla and Tony Dyck, Ed and Jennifer Dyck, Harry and Sharron Gregory, Wayne Hochstetler, Bill Langley, Jay and Verna Miller, Kathie and Mark Rogers, and Jim Smith.

Salina. 38° 50'N, 97° 38'W. Center 1 mi W of 9th Street on State Street Rd., Salina, Ks. Habitat coverage: riparian forest 23%, cultivated fields 20%, residential areas 20%, grassland 18%, oldfields and fencerows 17%, lakes and rivers 2%. December 28, 1986. 7:00 a.m. to 5:00 p.m., 28° to 51° F; Wind S-SSW, 12-21 m.p.h.; running water open; ponds mostly open; no snow cover; fog and overcast in early A.M. becoming partly cloudy by mid-A.M. Nineteen observers in 4 parties. Total party-hours 34 (14 on foot, 20 by car). Total party-miles 270 (23 on foot, 247 by car).

Great Blue Heron 1, Greater White-fronted Goose 1, Canada Goose 26, Mallard 11, Canvasback 1, Redhead 2, Lesser Scaup 3, Northern Harrier 2, Red-tailed Hawk 55, American Kestrel 31, Prairie Falcon 2, Ring-necked Pheasant 17, Common Snipe 3, Ring-billed Gull 4, Herring Gull 19, Rock Dove 372, Great Horned Owl 3, Barred Owl 1, Belted Kingfisher 3, Red-bellied Woodpecker 26, Downy Woodpecker 8, Hairy Woodpecker 12, Northern (Yellow-shafted) Flicker 7, Horned Lark 569, Blue Jay 7, American Crow 130, Black-capped Chickadee 277, White-breasted Nuthatch 5, Pygmy Nuthatch 1 (excellent details — Ed.), Brown Creeper 1, Golden-crowned Kinglet 8, Eastern Bluebird 4, American Robin 4, Cedar Waxwing 10, Northern Shrike 3 (no details — Ed.), Loggerhead Shrike 4, European Starling 4554, Northern Cardinal 78, Rufous-sided Towhee 7, American Tree Sparrow 1007, Song Sparrow 6, White-throated Sparrow 2, White-crowned Sparrow 1, Harris' Sparrow 831, Dark-eyed (Slate-colored) Junco 351, Red-winged Blackbird 941, Western Meadowlark 75, *Sturnella* sp. 905, Rusty Blackbird 40, Common Grackle 1, Brown-headed Cowbird 2, Pine Siskin 41, American Goldfinch 56, House Sparrow 1214. Total 53 species, about 11,745 individuals. Seen in area during count period, but not on count day — Greater Prairie-chicken, Northern Bobwhite, Mourning Dove, Northern Mockingbird.

Harriet Blomberg, Stephen Burr, Shannon Drews-Rayl, David, Kevin and Lisa Haight, Roy D. Hough (non-participating compiler — 1902 Lewis, Salina, KS 67401), Allen Jahn, Kathy Kerbs, Harold and Virginia Lear, Charlie and Ivy Marsh, Gordon and Mary Reist, Monica Schmidt, John Schwartz, John Wachholz, Dennis Zehr, and Becky Zerger (Smoky Hills Audubon Society).

Sawyer. 37° 32'N, 98° 41'W. Center 2 mi N Sawyer, Ks. Habitat coverage: riparian woodland 50%, cultivated fields 30%, grassland 10%, lakes and rivers 5%, oldfields and fencerows 5%. December 21, 1986. 8:00 a.m. to 5:00 p.m., 30° to 50° F; Wind calm; waters open; no snow; foggy in A.M., cloudy in P.M. Nine observers in 4 parties. Total party-hours 32 (15 on foot, 17 by car). Total party-miles 112 (8 on foot, 104 by car).

Great Blue Heron 14, Canada Goose 62, Mallard 120, Northern Pintail 1, Northern Harrier 12, Cooper's Hawk 1, Red-tailed Hawk 32, Rough-legged Hawk 3, Golden Eagle 1, American Kestrel 15, Prairie Falcon 2, Ring-necked Pheasant 4, Wild Turkey 112, Northern Bobwhite 129, Killdeer 4, Common Snipe 17, Rock Dove 13, Mourning Dove 1, Great Horned Owl 7, Barred Owl 2, Belted Kingfisher 10, Red-bellied Woodpecker, Downy Woodpecker 54, Hairy Woodpecker 7, Northern (Yellow-shafted) Flicker 20, Northern (Red-shafted) Flicker 2, Horned Lark 363, Blue Jay 5, American Crow 103, Black-capped Chickadee 149, Tufted Titmouse 19, White-breasted Nuthatch 30, Brown Creeper 5, Winter Wren 7, Golden-crowned Kinglet 10, Ruby-crowned Kinglet 3, Eastern Bluebird 24, Hermit Thrush 1 (excellent details — Ed.), American Robin 927, Brown Thrasher 2, Cedar Waxwing 6, Loggerhead Shrike 4, European Starling 485, Northern Cardinal 49, American Tree Sparrow 531, Fox Sparrow 2, Song Sparrow 12, Harris' Sparrow 152, Dark-eyed (Oregon) Junco 6, Dark-eyed Junco ssp. 572, Red-winged Blackbird 117, Western Meadowlark 352, Common Grackle 4, Brown-headed Cowbird 1, Pine Siskin 14, American Goldfinch 8, House Sparrow 448. Total 55 species (1 additional subspecies), about 5,087 individuals.

Ken Brunson (compiler — 1001 Champa, Pratt, KS 67124), Bob Hartmann, Scott Hillard, Bill Hlavachick, Bill Layher, Carol Mammoliti, Kent Monte, Jane Queal, and Bob Wood.

Scott Lake. 38° 45'N, 100° 53'W. Center 2 mi N Scott-Logan county line on U.S. 83. Habitat coverage: riparian woodland 40%, cultivated fields 18%, marsh 15%, grassland 10%, lakes and rivers 10%, coniferous stands 5%, feedlots 2%. January 11, 1987, 7:35 a.m. to 3:35 p.m., 19° to 61° F; Wind NW, 0-10 m.p.h.; waters 95% frozen, snow cover decreasing from 80% to 5%; clear. Four observers in 1 party. Total party hours 10 (5 on foot, 5 by car). Total party-miles 127 (2 on foot, 125 by car).

Green-winged Teal 9, Mallard 86, Northern Harrier 1, Red-tailed Hawk 1, Ferruginous Hawk 1, Rough-legged Hawk 3, Golden Eagle 1, American Kestrel 10, Prairie Falcon 1, Ring-necked Pheasant 3, Virginia Rail 1 (good details — Ed.), American Coot 1, Killdeer 2, Common Snipe 2, Rock Dove 1, Eastern Screech-owl 1, Great Horned Owl 8, Belted Kingfisher 1, Downy Woodpecker 9, Hairy Woodpecker 2, Northern (Red-shafted) Flicker 7, Northern Flicker ssp. 3, Horned Lark 1240, Black-billed Magpie 26, American Crow 3, Black-capped Chickadee 26, Red-breasted Nuthatch 1, White-breasted Nuthatch 3, Brown Creeper 2, Marsh Wren 2, Townsend's Solitaire 10, American Robin 27, European Starling 45, Common Yellowthroat 1 (excellent details — Ed.), Northern Cardinal 1, Rufous-sided Towhee 7, American Tree Sparrow 83, Song Sparrow 22, Harris' Sparrow 63, Dark-eyed (Slate-colored) Junco 42, Dark-eyed (Oregon) Junco 15, Lapland Longspur 73, Red-winged Blackbird 2, Western Meadowlark 32, Pine Siskin 8, American Goldfinch 34, House Sparrow 270. Total 46 species (1 additional subspecies), about 2,193 individuals. Seen in area during count period, but not on count day — Purple Finch.

Sara Norman, Diane Seltman, Scott Seltman, and Tom Shane (compiler — 2136 Wesley, Salina, KS 67401).

Stafford County. 38° 00'N, 98° 45'W. Center at stop sign 7.5 mi W St. John, Ks. Habitat coverage: riparian woodland, cultivated fields, oldfields and fencerows, grassland, residential areas (no % given — Ed.). January 3, 1987, 7:30 a.m. to 6:00 p.m., 25° to 50° F; Wind SW, 10 m.p.h.; snowing in A.M. with snow cover until noon; waters open. Nine observers in 3 parties and 2 observers at feeders. Total party-hours 11 (1 on foot, 10 by car) (3 parties? — Ed.) plus 0.5 hrs owling and 1 hr at feeders. Total party-miles 146 (1 on foot, 145 by car) and 5 miles owling.

Canada Goose 97, Mallard 40, Northern Harrier 17, Red-tailed Hawk 22, Rough-leg-

ged Hawk 21, American Kestrel 14, Northern Bobwhite 2, Rock Dove 40, Mourning Dove 11, Great Horned Owl 5, Red-bellied Woodpecker 2, Downy Woodpecker 4, Hairy Woodpecker 3, Northern (Yellow-shafted) Flicker 1, Northern Flicker ssp. 4, Horned Lark 331, Blue Jay 16, Black-billed Magpie 9, American Crow 12, Black-capped Chickadee 10, Red-breasted Nuthatch 1, American Robin 3, Brown Thrasher 2, Loggerhead Shrike 1, Northern Cardinal 4, American Tree Sparrow 238, Field Sparrow 17, Harris' Sparrow 36, Dark-eyed Junco ssp. 28, Red-winged Blackbird 150, Western Meadowlark 224, Brewer's Blackbird 250, Brown-headed Cowbird 20, Purple Finch 4, American Goldfinch 45, House Sparrow 208. Total 35 species, about 1,892 individuals. Seen in area during count period, but not on count day — Bald Eagle, Wild Turkey, Ring-necked Pheasant, Pine Siskin.

Justin Bookstore, Carrie Klenke, Lara Hamm, Jeanny Hearn, Roger Russell, Ryan Russell, Virginia Russell, Jacob Tanner, John Tanner, Judy Tanner (compiler — Rt. 1, Box 85, St. John, KS 67576), and Molly Tanner.

Topeka. 39° 02'N, 95° 40'W. Center State capitol. Habitat coverage: oldfields and fencerows 25%, residential areas 20%, lakes and rivers 15%, upland deciduous forest 10%, riparian forest 10%, cultivated fields 10%, grassland 5%, coniferous stands 5%. December 20, 1986, 7:30 a.m. to 5:00 p.m., 25° to 34° F; Wind SW, 0-5 m.p.h.; waters mostly open; no snow cover; clear in A.M., fog in P.M. Thirty observers in 10 parties and 5 observers at feeders. Total party-hours 81 (38 on foot, 43 by car) and 20 hrs. at feeders. Total party-miles 412 (36 on foot, 376 by car).

Great Blue Heron 2, Snow Goose (white morph) 21, Canada Goose 42, Wood Duck 1, Mallard 107, Gadwall 7, Lesser Scaup 1, Common Goldeneye 32, Bufflehead 11, Hooded Merganser 10, Common Merganser 100, Northern Harrier 5, Red-tailed Hawk 45, American Kestrel 21, Merlin 1, Ring-necked Pheasant 13, Northern Bobwhite 91, American Coot 2, Killdeer 1, Ring-billed Gull 54, Herring Gull 19, Rock Dove 256, Mourning Dove 76, Great Horned Owl 10, Belted Kingfisher 8, Red-headed Woodpecker 1, Red-bellied Woodpecker 43, Yellow-bellied Sapsucker 1, Downy Woodpecker 69, Hairy Woodpecker 24, Northern (Yellow-shafted) Flicker 28, Horned Lark 25, Blue Jay 226, American Crow 129, Black-capped Chickadee 438, Tufted Titmouse 80, White-breasted Nuthatch 39, Brown Creeper 23, Winter Wren 1, Golden-crowned Kinglet 43, Eastern Bluebird 6, American Robin 10, Cedar Waxwing 39, Loggerhead Shrike 1, European Starling 3970, Northern Cardinal 321, Rufous-sided Towhee 1, American Tree Sparrow 405, Field Sparrow 15, Fox Sparrow 1, Song Sparrow 30, Lincoln's Sparrow 5, White-throated Sparrow 9, White-crowned Sparrow 8, Harris' Sparrow 54, Dark-eyed (Slate-colored) Junco 1115, Dark-eyed (Oregon) Junco 4, Eastern Meadowlark 103, Western Meadowlark 3, *Sturnella* sp. 23, Common Grackle 2, Pine Siskin 161, American Goldfinch 255, House Sparrow 1465. Total 62 species (1 additional subspecies), about 10,112 individuals. Seen in area during count period, but not on count day — Purple Finch.

Mary and Virgil Basgall, Scott Campbell, Robert Cotton, Arline and Robert Delker, Richard Dixon, Marno and Wayne Engler, Robert Foster, Dan Gish, Robert Glazier, Dean Grisell, Gwen Haegert, Bernice Hecht, Phyllis Henney, Doris Horton, Doris Jackson, Betty Keith, Dan Larson, Robert Lawson, E. M. and E. R. Lewis (compiler — 1285 MacVicar Ave., Topeka, KS 66604), Donna Mall, Brian Mathers, Sarah Merrill, Jim Ramberg, Barbara Risk, May Stannard, Judy Treadway, Donna Vausbinder, Lil and Paul Willis, Sarah Woellhof, Elizabeth Wunder (Topeka Audubon Society and friends).

Tribune. 38° 27'N, 101° 45'W. Center Tribune, Ks. Habitat coverage: residential areas 50%, grassland 25%, cultivated fields 25%. December 21, 1986, 10:00 a.m. to 5:00 p.m., 30° to 40° F; Wind W, 5 m.p.h.; waters open; little snow cover. Twenty-four observers in 10 parties. Total party-hours 42 (2 on foot, 40 by car). Total party-miles 30 (1 on foot, 29 by car).

Northern Harrier 1, Rough-legged Hawk 3, *Buteo* sp. 6, Merlin 2, Ring-necked Pheasant 15, Rock Dove 15, Great Horned Owl 2, Northern Flicker ssp. 3, Horned Lark 896,

American Crow 3, Townsend's Solitaire 2, American Robin 2, Brown Thrasher 3, European Starling 100, Dark-eyed Junco ssp. 15, Red-winged Blackbird 40, Western Meadowlark 10, Pine Siskin 4, American Goldfinch 6, House Sparrow 200. Total 19 species, about 1,328 individuals. Seen in area during count period, but not on count day — Golden Eagle, Brown Creeper.

Lawrence E. Abbott (compiler — Box 433, Tribune, KS 67879), Pearl Abbott, Robert Brunswig, Melvin Cheney, Nadine Cheney, David Hamer, John Hamer, Bill Harris, Luther Keith, LuVerne Keith, John Neuschwander, Ocie Neuschwander, Calvin Pringle, Jim Pringle, Roxi Pringle, Dewayne Schmidt, Edith Schmidt, Bertha Vogt, James Wegener, Jennifer Wegener, Lisa Wegener, Paul B. L. Wegener, Roberta Wegener, and Wilda Werner.

Udall-Winfield. 37° 16'N, 96° 59'W. Center water tower, Winfield State Training School. Habitat coverage: riparian forest 40%, cultivated fields 20%, oldfields and fences 10%, lakes and rivers 6%, residential areas 4%, unknown 20%. December 21, 1986. 8:00 a.m. to 5:00 p.m., 29° to 43° F; Wind N, 5 m.p.h.; waters open; cloudy in A.M., clear in P.M. Twelve observers in 5 parties. Total party-hours 45 (13 on foot, 32 by car) plus 2 hrs owling. Total party-miles 307 (20 on foot, 287 by car) and 38 miles owling.

Pied-billed Grebe 1, Double-crested Cormorant 1, Great Blue Heron 6, Canada Goose 2, Green-winged Teal 2, Mallard 301, Northern Pintail 1, Gadwall 6, Common Goldeneye 15, Bald Eagle 2, Northern Harrier 43, Cooper's Hawk 1, Red-tailed Hawk 155, Rough-legged Hawk 1, American Kestrel 69, Ring-necked Pheasant 2, Wild Turkey 3, Northern Bobwhite 121, Killdeer 2, Common Snipe 1, Rock Dove 164, Mourning Dove 54, Eastern Screech-owl 3, Great Horned Owl 9, Barred Owl 4, Belted Kingfisher 4, Red-headed Woodpecker 11, Red-bellied Woodpecker 56, Yellow-bellied Sapsucker 1, Downy Woodpecker 52, Hairy Woodpecker 16, Northern (Yellow-shafted) Flicker 61, Northern (Red-shafted) Flicker 4, Northern Flicker ssp. 6, Pileated Woodpecker 3, Horned Lark 588, Blue Jay 131, American Crow 383, Black-capped Chickadee 49, Carolina Chickadee 276, Tufted Titmouse 83, Red-breasted Nuthatch 5, White-breasted Nuthatch 24, Brown Creeper 5, Carolina Wren 3, Bewick's Wren 7, Winter Wren 1, Marsh Wren 1, Golden-crowned Kinglet 44, Ruby-crowned Kinglet 1, Eastern Bluebird 32, Townsend's Solitaire 1, American Robin 37, Northern Mockingbird 18, Brown Thrasher 2, Loggerhead Shrike 12, European Starling 2221, Yellow-rumped (Myrtle) Warbler 1, Northern Cardinal 222, Rufous-sided Towhee 4, American Tree Sparrow 934, Field Sparrow 9, Savannah Sparrow 1, Song Sparrow 33, Lincoln's Sparrow 4, Swamp Sparrow 26, White-crowned Sparrow 8, Harris' Sparrow 913, Dark-eyed (Slate-colored) Junco 573, Dark-eyed (Oregon) Junco 39, Dark-eyed Junco ssp. 250, Lapland Longspur 400, Red-winged Blackbird 3270, Eastern Meadowlark 27, Western Meadowlark 27, *Sturnella* sp. 690, Rusty Blackbird 11, Brewer's Blackbird 234, Brown-headed Cowbird 434, Purple Finch 11, Red Crossbill 8, Pine Siskin 120, American Goldfinch 104, House Sparrow 1636. Total 79 species (2 additional subspecies), about 15,096 individuals.

Betty and Duane Anderson, James Barnes, Wallace Champeny, Janet Laws, Max C. Thompson (compiler — 1729 E. 11th, Winfield, KS 67156), Gerald Wiens, Donna and Wayne Wilt, Bob and Brad Wimmer, and Gene Young.

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 20, 1986, 8:00 a.m. to 5:00 p.m., 26° to 47° F; Wind SW, 0-5 m.p.h.; water open; no snow cover; foggy A.M., clear P.M. Seventeen observers in 6 parties and 2 observers at feeders. Total party-hours 40 (21 on foot, 19 by car) and 6 hrs at feeders. Total party-miles 282 (21 on foot, 261 by car).

Pied-billed Grebe 17, Double-crested Cormorant 1, Great Blue Heron 8, Snow Goose (white morph) 1, Canada Goose 5306, Green-winged Teal 17, Mallard 1407, Gadwall 168, Canvasback 17, Redhead 37, Ring-necked Duck 29, Lesser Scaup 10, Oldsquaw 1 (excellent details — Ed.), Common Goldeneye 57, Bufflehead 8, Hooded Merganser 5, Ruddy Duck 11, Sharp-shinned Hawk 2, Cooper's Hawk 1, Red-tailed Hawk 43, Red-tailed (Harlan's) Hawk 3, American Kestrel 14, Prairie Falcon 1, Ring-necked Pheasant 8,

Northern Bobwhite 5, American Coot 63, Killdeer 5, Common Snipe 2, Ring-billed Gull 1518, Herring Gull 3, Rock Dove 1226, Mourning Dove 38, Great Horned Owl 10, Belted Kingfisher 10, Red-bellied Woodpecker 8, Yellow-bellied Sapsucker 1, Downy Woodpecker 30, Hairy Woodpecker 3, Northern (Yellow-shafted) Flicker 11, Northern (Red-shafted) Flicker 6, Horned Lark 124, Blue Jay 74, American Crow 15,000, Black-capped Chickadee 149, Carolina Chickadee 1, Tufted Titmouse 16, Red-breasted Nuthatch 2, White-breasted Nuthatch 1, Brown Creeper 20, Carolina Wren 2, Winter Wren 2, Sedge Wren 2 (good details — Ed.), Golden-crowned Kinglet 18, Ruby-crowned Kinglet 2, Townsend's Solitaire 2, American Robin 74, Northern Mockingbird 6, Brown Thrasher 5, Cedar Waxwing 22, European Starling 2246, Yellow-rumped (Myrtle) Warbler 1, Northern Cardinal 217, Rufous-sided Towhee 16, American Tree Sparrow 441, Song Sparrow 80, Lincoln's Sparrow 1, Swamp Sparrow 5, White-throated Sparrow 21, White-crowned Sparrow 2, Harris' Sparrow 418, Dark-eyed (Slate-colored) Junco 614, Dark-eyed (Oregon) Junco 5, Lapland Longspur 2, Red-winged Blackbird 644, Western Meadowlark 4, *Sturnella* sp. 167, Common Grackle 13, Brown-headed Cowbird 9, Pine Siskin 176, American Goldfinch 422, House Sparrow 1947. Total 77 species (3 additional subspecies), about 33,084 individuals.

Walker Butin, Wallace Champeny (compiler — RR 1, Oxford, KS 67119), Rick Goodrick, Bob Gress, John Hankins, Joanne Hackerott, Dan Kilby, Mike Lesan, Jean and Miriam Roark, Eddie and Savilla Stegall, Don and Frances Vannoy, Mary and Ralph Wiley, and Dennis Zehr.

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 30%, riparian woodland 20%, grassland 15%, oldfields and fencerows 15%, coniferous stands 10%, cultivated fields 8%, marsh 2%. December 20, 1986, 7:30 a.m. to 5:00 p.m., 25° to 47° F; Wind NW, 0-5 m.p.h.; waters open; no snow cover; clear. Four observers in 2 parties. Total party-hours 18 (10 on foot, 8 by car). Total party-miles 190 (10 on foot, 180 by car).

Common Loon 1 (excellent details — Ed.), Double-crested Cormorant 3, Snow Goose (white morph) 2, Canada Goose 30, Mallard 8, American Wigeon 7, Redhead 7, Common Goldeneye 673, Bufflehead 5, Hooded Merganser 2, Common Merganser 222, Bald Eagle 12, Northern Harrier 6, Sharp-shinned Hawk 3, Red-tailed Hawk 24, American Kestrel 14, Prairie Falcon 1, Ring-necked Pheasant 23, Greater Prairie-chicken 9, Northern Bobwhite 8, Common Snipe 3, Ring-billed Gull 1120, Herring Gull 4, Rock Dove 10, Mourning Dove 1, Great Horned Owl 5, Long-eared Owl 1, Belted Kingfisher 5, Red-bellied Woodpecker 2, Downy Woodpecker 3, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 12, Northern (Red-shafted) Flicker 4, Northern Flicker ssp. 3, Horned Lark 22, Blue Jay 8, Black-billed Magpie 4, American Crow 28, Black-capped Chickadee 31, White-breasted Nuthatch 3, American Robin 2, Loggerhead Shrike 5, European Starling 18, Northern Cardinal 7, American Tree Sparrow 392, Song Sparrow 18, White-crowned Sparrow 2, Harris' Sparrow 760, Dark-eyed (Slate-colored) Junco 197, Dark-eyed (Oregon) Junco 7, Dark-eyed Junco ssp. 10, Red-winged Blackbird 7260, Western Meadowlark 39, Pine Siskin 42, American Goldfinch 138, House Sparrow 65. Total 52 species (2 additional subspecies), about 11,292 individuals.

Jerilyn and Tom Cannon (compiler — 908 W. Meadowbrook Rd., Iola, KS 66749), James and Jean Piland.

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