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THE WINTER BIRD COUNT FOR 1987

John L. Zimmerman

Winter did not arrive in the Kansas count area until the weekend after Christmas. Counts taken during the early part of the period had especially good waterbird lists with a species diversity characteristic of usually only the southern tier of counties. A White-winged Scoter and Least Sandpiper were at Emporia. Two White Pelicans and 878 Sandhill Cranes still remained at Quivira NWR. Another White Pelican was seen on the Reno County-Yoder count. A Western Grebe was on Lake Sherwood at Topeka, while two Oldsquaws, a White-winged Scoter and a Surf Scoter were at Manhattan. The Surf Scoter is new to the Kansas winter count list. Pomona Reservoir had an Osprey, as did Garden City, except that Garden City's bird was last seen on 10 December and thus did not make the count period. There were still some good waterbird records after freeze-up. There were enough sea ducks in the state that Wilson Reservoir had another Oldsquaw on 28 December, and a White-winged Scoter was present at Oskaloosa-Perry Lake on 2 January. The group at Wilson Reservoir also discovered three White Pelicans, and Junction City found a single White Pelican on 3 January.

The relatively mild winter prior to the middle of the count period perhaps also contributed to the inclusion of a large number of birds that should have been farther south. Pied-billed Grebes were found on 29% of the counts. Double-crested Cormorants were seen on 24% of the counts. Greater White-fronted Geese occurred on 18% of the counts. Wood Ducks were found on 26% of the counts, including 15 individuals on the Sawyer count. Blue-winged Teal were found at Lawrence and Meade County. Ruddy Ducks were found on 21% of the counts. Single Virginia Rails were seen at Quivira NWR and on the newly initiated count at St. Francis, while Lake Scott found one during count week (third year in a row!). And another new count at Syracuse contributed a Sora. Lingerer passerines also were scattered across the state. Ruby-crowned Kinglets occurred on almost a third of the counts, Dodge City and Oskaloosa-Perry Lake each had a Gray Catbird, while Salina found an Orange-crowned Warbler. A Vesper Sparrow was seen on the Halstead-Newton count. Savannah Sparrows were discovered at Olathe, Quivira NWR, and on the Linn County count; and LeConte's Sparrows were identified at Baldwin City and Lawrence. Wichita usually gets Great-tailed Grackles, as did two other counts this year, but over a thousand individuals is rather impressive. Also in Wichita, Dan Kilby had an Inca Dove in his backyard on 8 November for half an hour, but he found the (same?) bird on count day about 2.5 miles away!

In addition to the new counts at St. Francis and Syracuse, another count was initiated in Wilson County centered at Benedict. Furthermore, a count was taken at Lakin after being absent from the winter count roster for many years. The increase in the number of winter counts over the last few years in the western third of the state has been especially valuable. The regularity of the Northern Shrike in winter in western Kansas has been clearly demonstrated. As Scott Seltman comments in his notes from Cedar Bluff Reservoir, it is the Loggerhead Shrike that needs documentation in western Kansas during the winter. The winter distributions of several southwestern species that were once only recorded on the Cimarron National Grassland count have been expanded through the efforts at Garden City, Lakin, Meade County, and Syracuse. And the numbers of individuals of certain species on these western counts are impressive — 22 Ferruginous Hawks at Garden City, over 70,000 Horned Larks at Lake Scott. The Lake

Scott count also added a species new to the Kansas winter count list, a well-documented Golden-crowned Sparrow. The Cimarron Grasslands count, of course, is always interesting. This year the group saw and heard a Western Screech-owl, providing excellent supportive details; and found a Greater Roadrunner at Point-of-Rocks, as well as eight Ladder-backed Woodpeckers and two Mountain Chickadees along the Cimarron River.

The average number of species on the Kansas winter count list over the last ten years is 140. This year's total was close at 141. The total number of participants at 566 was the second highest (there were 587 in 1985), while the total number of counts at 34 ties for the highest number with both 1985 and 1986. That's not bad for the pivotal 39th year of the Kansas winter count. The average number of counts during the first ten years was only 16.

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%. 26 December 1987, 7:30 a.m. to 5 p.m., 24° to 30° F; Wind N, 5-15 m.p.h.; most waters open; 3" snow cover; rain and drizzle all day, except for approximately 1 hour. Eight observers in 4 parties and 1 observer at feeders. Total party-hours 34 (11 on foot, 23 by car) plus 3 hrs owling and ? hrs at feeders. Total party-miles 245 (13 on foot, 245 by car) and 35 miles owling.

Pied-billed Grebe 2, Great Blue Heron 6, Canada Goose 300, Mallard 8, Common Merganser 20, Bald Eagle 10, Northern Harrier 8, Cooper's Hawk 2, Red-tailed Hawk 18, American Kestrel 17, Ring-necked Pheasant 4, Northern Bobwhite 128, American Coot 1, Killdeer 4, Ring-billed Gull 624, Herring Gull 3, Rock Dove 78, Mourning Dove 13, Eastern Screech-owl 9, Great Horned Owl 8, Barred Owl 15, Belted Kingfisher 3, Red-headed Woodpecker 11, Red-bellied Woodpecker 43, Yellow-bellied Sapsucker 5, Downy Woodpecker 37, Hairy Woodpecker 3, Northern (Yellow-shafted) Flicker 53, Northern (Red-shafted) Flicker 5, Northern Flicker ssp. 18, Pileated Woodpecker 2, Horned Lark 794, Blue Jay 56, American Crow 154, Carolina Chickadee 210, Tufted Titmouse 92, White-breasted Nuthatch 12, Brown Creeper 8, Carolina Wren 11, Bewick's Wren 4, Winter Wren 3, Golden-crowned Kinglet 27, Eastern Bluebird 18, American Robin 32, Northern Mockingbird 11, Loggerhead Shrike 4, European Starling 1205, Yellow-rumped (Myrtle) Warbler 10, Northern Cardinal 350, Rufous-sided Towhee 13, American Tree Sparrow 476, Fox Sparrow 4, Song Sparrow 271, Lincoln's Sparrow 1, White-throated Sparrow 4, White-crowned Sparrow 21, Harris' Sparrow 871, Dark-eyed (Slate-colored) Junco 557, Dark-eyed (Oregon) Junco 14, Lapland Longspur 25, Red-winged Blackbird 262, *Sturnella* sp. 365, Rusty Blackbird 6, Brewer's Blackbird 60, Common Grackle 1, Brown-headed Cowbird 57, Pine Siskin 16, American Goldfinch 266, House Sparrow 534. Total 66 species (2 additional subspecies), about 8,283 individuals.

Wally Champeny, Mike Lesan, David and Stuart Lord, Donald Vannoy (compiler — 2458 Coolidge, Wichita, KS, 67204), Gerald Wiens, Jim Wilson, Gene Young.

Baldwin. 38° 47'N, 95° 16'W. Center junction U.S. 56 and 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%. 20 December 1987, 6:00 a.m. to 6:30 p.m., 30° to 39° F; Wind S, 2-5 m.p.h.; water open; patchy snow on ground; sunny, scattered clouds. Eighteen observers in 7 parties and 1 observer at feeders. Total party-hours 52 (13 on foot, 39 by car) plus 3.75 hrs owling and 8 hrs at feeders. Total party-miles 384 (16 on foot, 368 by car) and 42 miles owling.

Pied-billed Grebe 1, Double-crested Cormorant 64, Great Blue Heron 3, Snow Goose (white morph) 137, Snow Goose (blue morph) 21, Canada Goose 19, Mallard 45, Gadwall 21, Ring-necked Duck 1, Lesser Scaup 1, Common Goldeneye 36, Bufflehead 26, Common Merganser 32, Ruddy Duck 1 (excellent details), Bald Eagle 1, Northern Harrier 13, Sharp-shinned Hawk 4, Cooper's Hawk 2, Red-tailed Hawk 128, American Kestrel 57, Northern Bobwhite 83, Common Snipe 1, Ring-billed Gull 27, Rock Dove 116, Mourning Dove 31, Eastern Screech-owl 2, Great Horned Owl 17, Barred Owl 4, Short-

earred Owl 1 (excellent details), Belted Kingfisher 6, Red-headed Woodpecker 66, Red-bellied Woodpecker 54, Yellow-bellied Sapsucker 3, Downy Woodpecker 72, Hairy Woodpecker 13, Northern (Yellow-shafted) Flicker 98, Northern (Red-shafted) Flicker 1, Horned Lark 218, Blue Jay 368, American Crow 272, Black-capped Chickadee 236, Tufted Titmouse 53, White-breasted Nuthatch 30, Brown Creeper 11, Winter Wren 1, Golden-crowned Kinglet 18, Ruby-crowned Kinglet 1, Eastern Bluebird 68, American Robin 74, Northern Mockingbird 23, Loggerhead Shrike 18, European Starling 3442, Yellow-rumped (Myrtle) Warbler 9, Northern Cardinal 302, American Tree Sparrow 579, Field Sparrow 7, LeConte's Sparrow 3 (excellent details), Fox Sparrow 3, Song Sparrow 36, Lincoln's Sparrow 2, Swamp Sparrow 21, White-throated Sparrow 2, White-crowned Sparrow 13, Harris' Sparrow 84, Dark-eyed (Slate-colored) Junco 661, Dark-eyed (Oregon) Junco 5, Red-winged Blackbird 2771, Eastern Meadowlark 24, *Sturnella* sp. 298, Rusty Blackbird 8, Brewer's Blackbird 1 (good details), Great-tailed Grackle 1 (excellent details), Common Grackle 383, Brown-headed Cowbird 611, Purple Finch 10, Pine Siskin 105, American Goldfinch 355, House Sparrow 2143. Total 74 species (2 additional subspecies), about 14,478 individuals.

Genny Agin, Mary Allen, Margaret Boyd, Roger Boyd (compiler — Biology Dept., Baker University, Baldwin City, KS 66006), John and Jonnie Brockway, Calvin Cink, Dottie Craven, Ruth Fauhl, Jennifer Jones, Katharine Kelley, Greg Kramos, Galen Pittman, Martin Pressgrove, Richard Rucker, Roseanne Smith, Joyce and Ron Wolf (Baldwin Bird Club).

Byron Walker Wildlife Management Area (formerly Kingman). 37° 38'N, 98° 16'W. Center headquarters of the Byron Walker Wildlife Management Area. Habitat coverage: riparian woodland 45%, cultivated fields 20%, grassland 20%, oldfields and fencerows 5%, lakes and rivers 5%, marsh 5%. 30 December 1987, 7:30 a.m. to 5:30 p.m., 12° to 39° F; Wind S, 10-20 m.p.h.; running water open, still waters frozen; 2" snow cover; cloudy in A.M., clear in P.M. Eight observers in 3 parties. Total party-hours 13 (6 on foot, 7 by car). Total party-miles 155.5 (3.5 on foot, 152 by car).

Great Blue Heron 4, Canada Goose 1, Mallard 41, Common Merganser 1, Bald Eagle 2, Northern Harrier 11, Sharp-shinned Hawk 2, Red-tailed Hawk 8, Ferruginous Hawk 1, Rough-legged Hawk 2, American Kestrel 18, Wild Turkey 55, Northern Bobwhite 42, Common Snipe 4, Rock Dove 7, Great Horned Owl 1, Barred Owl 2, Belted Kingfisher 6, Red-bellied Woodpecker 2, Downy Woodpecker 5, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 13, Northern (Red-shafted) Flicker 4, Horned Lark 586, Blue Jay 2, American Crow 48, Black-capped Chickadee 33, Tufted Titmouse 2, Red-breasted Nuthatch 2, White-breasted Nuthatch 2, Golden-crowned Kinglet 1, Eastern Bluebird 21, American Robin 3, European Starling 98, Northern Cardinal 13, Rufous-sided Towhee 4, American Tree Sparrow 494, Song Sparrow 24, Lincoln's Sparrow 3, Harris' Sparrow 375, Dark-eyed (Slate-colored) Junco 218, Dark-eyed (Oregon) Junco 9, Lapland Longspur 62, Red-winged Blackbird 17,284, Eastern Meadowlark 163, Western Meadowlark 50, Brewer's Blackbird 45, Common Grackle 4, Brown-headed Cowbird 3, Pine Siskin 45, American Goldfinch 50, House Sparrow 36. Total 50 species (2 additional subspecies), about 19,914 individuals. Seen in area during count period, but not on count day — Winter Wren, Yellow-rumped Warbler.

Wilma Hawkins, Charlotte Knapic, Gene Krehbiel, Julie Krehbiel, Allen and Kelly Stark, Byron (compiler — 235 West Copeland, Kingman, KS 67068) and June Walker.

Camp Naish, Wyandotte Co. 39° 04'N, 94° 52'W. Center corner of sections 21, 22, 27, and 28, T11S, R23E. Habitat coverage: riparian forest 45%, upland deciduous forest 35%, oldfields and fencerows 10%, grassland 5%, residential areas 3%, swamp 1%, lakes and rivers 1%. 2 January 1988, 6:30 a.m. to 5:30 p.m., 15° to 36° F; Wind SW, 12 m.p.h.; clear. Seven observers in 2 parties. Total party-hours 18 (17 on foot, 1 by car) plus 1 hr owling. Total party-miles 17 (13 on foot, 4 by car) and 0.5 miles owling on foot.

Red-tailed Hawk 5, Killdeer 1, Rock Dove 45, Eastern Screech-owl 3, Great Horned Owl 2, Belted Kingfisher 2, Red-headed Woodpecker 56, Red-bellied Woodpecker 15, Downy Woodpecker 10, Hairy Woodpecker 3, Northern (Yellow-shafted) Flicker 4,

Northern Flicker ssp. 6, Blue Jay 39, American Crow^w 32, Black-capped Chickadee 88, Tufted Titmouse 50, White-breasted Nuthatch 12, Carolina Wren 1, Winter Wren 1, Golden-crowned Kinglet 3, Eastern Bluebird 9, American Robin 7, Cedar Waxwing 10, European Starling 20, Northern Cardinal 27, Song Sparrow 13, Swamp Sparrow 2, Dark-eyed Junco ssp. 80, American Goldfinch 17, House Sparrow 33. Total 29 species (1 additional subspecies), about 597 individuals.

Ed Hubert, Alexis Powell, David Reber, Stan Roth (compiler — Lawrence High School, 1901 Louisiana St., Lawrence, KS, 66046-2999), Chris Rush, Joel Rush, Alison Smith.

Cedar Bluff Reservoir. 38° 47'N, 99° 46'W. Center of the reservoir, 2 mi W of the dam. Habitat coverage: riparian woodland 30%, cultivated fields 20%, grassland 20%, coniferous stands 10%, oldfields and fencerows 10%, lakes and rivers 10%. 9 January 1988, 8 a.m. to 5:15 p.m., -15° to 10° F; Wind S, 0-10 m.p.h.; waters mostly frozen; 8" snow cover; clear. Seven observers in 2 parties. Total party-hours 15.5 (7 on foot, 8.5 by car). Total party-miles 185.5 (6.5 on foot, 179 by car).

Pied-billed Grebe 1, Snow Goose (white morph) 1, Canada Goose 2200, Wood Duck 1, Green-winged Teal 3, Mallard 750, Northern Pintail 6, Gadwall 1, American Wigeon 3, Common Merganser 12, Bald Eagle 4, Northern Harrier 14, Cooper's Hawk 1, Red-tailed Hawk 20, Ferruginous Hawk 1, Rough-legged Hawk 8, Golden Eagle 3, American Kestrel 14, Merlin 1, Ring-necked Pheasant 5, Wild Turkey 25, American Coot 2, Rock Dove 13, Mourning Dove 3, Eastern Screech-owl 4, Great Horned Owl 1, Short-eared Owl 3, Downy Woodpecker 21, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 3, Northern (Red-shafted) Flicker 13, Horned Lark 2900, Black-billed Magpie 15, American Crow 14, Black-capped Chickadee 59, White-breasted Nuthatch 3, Brown Creeper 3, Golden-crowned Kinglet 2, Townsend's Solitaire 9, American Robin 23, Cedar Waxwing 22, Northern Shrike 1, European Starling 355, Northern Cardinal 1, Rufous-sided Towhee 4, American Tree Sparrow 840, Song Sparrow 6, White-crowned Sparrow 3, Harris' Sparrow 94, Dark-eyed (Slate-colored) Junco 74, Dark-eyed (Oregon) Junco 73, Dark-eyed Junco ssp. 119, Lapland Longspur 4500, Red-winged Blackbird 1600, Western Meadowlark 200, Brewer's Blackbird 40, Brown-headed Cowbird 4, Pine Siskin 28, American Goldfinch 26, House Sparrow 190. Total 57 species (2 additional subspecies), about 14,345 individuals.

Karen Ganoung, Harold and Wilma Larson, Sara Norman, Diane Seltman, Scott Seltman (compiler — RR, Nekoma, 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 not provided. 1 January 1988, 12:01 a.m. to 1 a.m., then 8 a.m. to 5:30 p.m., 7° to 29° F; Wind SW, 0-5 m.p.h.; still waters frozen, moving waters partly open; 2" snow cover; clear. Nine observers in 3 parties. Total party-hours 27 (10 on foot, 17 by car) plus 1 hr owling. Total party-miles 249 (18 on foot, 231 by car) and 24 miles owling.

Canada Goose 1, Northern Harrier 31, Sharp-shinned Hawk 4, Red-tailed Hawk 19, Ferruginous Hawk 7, Rough-legged Hawk 6, Golden Eagle 3, American Kestrel 13, Prairie Falcon 2, Ring-necked Pheasant 3, Lesser Prairie-chicken 7, Northern Bobwhite 145, Scaled Quail 90, Rock Dove 5, Mourning Dove 38, Greater Roadrunner 1 (excellent details), Eastern Screech-owl 6, Western Screech-owl 1 (excellent details), Great Horned Owl 16, Long-eared Owl 1, Ladder-backed Woodpecker 8, Downy Woodpecker 16, Hairy Woodpecker 6, Northern (Yellow-shafted) Flicker 5, Northern (Red-shafted) Flicker 61, Northern Flicker ssp. 2, Horned Lark 1425, Blue Jay 2, Black-billed Magpie 104, American Crow 17, Mountain Chickadee 2 (excellent details), Bushtit 16, Red-breasted Nuthatch 2, Brown Creeper 2, Bewick's Wren 1, Marsh Wren 2, Golden-crowned Kinglet 7, Townsend's Solitaire 1, Hermit Thrush 1 (excellent details), American Robin 4, Brown Thrasher 1, Curve-billed Thrasher 2, Cedar Waxwing 18, Loggerhead Shrike 12, European Starling 108, Northern Cardinal 1, Rufous-sided Towhee 1, American Tree Sparrow 463, Song Sparrow 38, White-crowned Sparrow 132, Harris' Sparrow 11, Dark-eyed (Slate-colored) Junco 297, Dark-eyed (Oregon)

Junco 170, Dark-eyed Junco ssp. 27, Lapland Longspur 3028, Red-winged Blackbird 934, Western Meadowlark 841, Brewer's Blackbird 12, Common Grackle 1, House Finch 81, Pine Siskin 299, American Goldfinch 72, House Sparrow 1824. Total 59 species (2 additional subspecies), about 10,456 individuals.

W. Champeny, S. Norman, S. Patti (compiler) — 552 W. Belden Ave., Chicago, IL, 60614), M. Rader, S. Seltman, M. Thompson, D. Tregellas, J. Tregellas, G. Young.

Dodge City. 37° 46'N, 99° 58'W. Center campus of Saint Mary of the Plains College. Habitat coverage: cultivated fields 58%, grassland 20%, residential areas 15%, lakes and rivers 7%. 2 January 1988, 8 a.m. to 4 p.m., 10° to 23° F; Wind NE, 10 m.p.h.; little snow cover; waters frozen but running streams partly open; clear. Nine observers in 4 parties and 9 observers at feeders. Total party-hours 20 (0.5 on foot, 19.5 by car) and 49 hrs at feeders. Total party-miles 182 (0.5 on foot, 181.5 by car).

Mallard 60, Bald Eagle 1, Northern Harrier 16, Red-tailed Hawk 4, Rough-legged Hawk 2, American Kestrel 8, Merlin 1, Ring-necked Pheasant 2, Rock Dove 305, Mourning Dove 1, Red-bellied Woodpecker 1, Downy Woodpecker 3, Northern (Yellow-shafted) Flicker 3, Northern (Red-shafted) Flicker 5, Horned Lark 2380, Blue Jay 4, Black-billed Magpie 22, American Crow 32, Black-capped Chickadee 2, Red-breasted Nuthatch 4, White-breasted Nuthatch 1, American Robin 3, Gray Catbird 1 (no details), Northern Mockingbird 2, Brown Thrasher 1, European Starling 400, Northern Cardinal 10, Rufous-sided Towhee 3, American Tree Sparrow 10, White-throated Sparrow 8, Harris' Sparrow 45, Dark-eyed (Slate-colored) Junco 139, Dark-eyed (Oregon) Junco 5, Lapland Longspur 30, Red-winged Blackbird 20, Western Meadowlark 356, Brown-headed Cowbird 1, House Finch 82, Pine Siskin 328, American Goldfinch 4, Evening Grosbeak 12, House Sparrow 636. Total 40 species (2 additional subspecies), about 4,953 individuals.

Marg Andrews, Thor Bell, Lois Bryson, Peggy Button, George Cole, Margaret Cole, Sheldon Crook, Betty Friesen, Kenneth Friesen, Joleen Fromm (compiler — 2402 5th Ave., Dodge City, KS, 67801), Doris Gurtner, Lorene Kurbiski, Marie McKee, Kazel Moore, Kay Lynn Smith, Sister Patricia Stanley, Skip Stark, Shirley Vieux.

Emporia. 38° 27'N, 96° 05'W. Center 1 mi S Lang, KS. Habitat coverage: riparian forest 55%, grassland 20%, lakes and rivers 10%, residential areas 8%, cultivated fields 5%, coniferous stands 1%, marsh 1%. 20 December 1987, 7:15 a.m. to 5:30 p.m., 30° to 42° F; Wind SW, 0-5 m.p.h.; still waters partly frozen, running waters open; light snow cover; partly cloudy A.M., clear in P.M. Eighteen observers in 8 parties. Total party-hours 64.5 (32 on foot, 32.5 by car). Total party-miles 570 (41 on foot, 529 by car).

Great Blue Heron 4, Greater White-fronted Goose 5, Snow Goose (white morph) 673, Canada Goose 172, Wood Duck 4, Green-winged Teal 4, Mallard 938, Northern Pintail 3, Northern Shoveler 4, Gadwall 20, American Wigeon 8, Canvasback 4, Redhead 61, Ring-necked Duck 4, Lesser Scaup 45, White-winged Scoter 1 (excellent details), Common Goldeneye 16, Bufflehead 55, Common Merganser 5, Ruddy Duck 2, Bald Eagle 1, Northern Harrier 37, Sharp-shinned Hawk 1, Red-tailed Hawk 113, Rough-legged Hawk 9, American Kestrel 25, Prairie Falcon 1, Greater Prairie-chicken 14, Northern Bobwhite 358, American Coot 3, Killdeer 4, Least Sandpiper 1 (excellent details), Ring-billed Gull 160, Herring Gull 4, Rock Dove 65, Mourning Dove 69, Eastern Screech-owl 1, Great Horned Owl 3, Barred Owl 2, Long-eared Owl 8, Short-eared Owl 2, Belted Kingfisher 2, Red-headed Woodpecker 12, Red-bellied Woodpecker 58, Yellow-bellied Sapsucker 2, Downy Woodpecker 55, Hairy Woodpecker 17, Northern (Yellow-shafted) Flicker 34, Northern (Red-shafted) Flicker 6, Horned Lark 61, Blue Jay 166, American Crow 240, Black-capped Chickadee 222, Tufted Titmouse 32, Red-breasted Nuthatch 3, White-breasted Nuthatch 42, Brown Creeper 4, Carolina Wren 2, Winter Wren 3, Golden-crowned Kinglet 14, Ruby-crowned Kinglet 1, Eastern Bluebird 10, American Robin 397, Northern Mockingbird 3, Brown Thrasher 1, Cedar Waxwing 19, Loggerhead Shrike 17, European Starling 2624, Northern Cardinal 138, Rufous-sided Towhee 3, American Tree Sparrow 580, Field Sparrow 4, Fox Sparrow 2, Song Sparrow

28, Lincoln's Sparrow 4, Swamp Sparrow 3, White-throated Sparrow 17, White-crowned Sparrow 21, Harris' Sparrow 173, Dark-eyed (Slate-colored) Junco 396, Dark-eyed (Oregon) Junco 5, Smith's Longspur 7 (excellent details), Red-winged Blackbird 1060, Eastern Meadowlark 219, Western Meadowlark 1, Rusty Blackbird 48, Common Grackle 2, Brown-headed Cowbird 210, Pine Siskin 61, American Goldfinch 259, House Sparrow 678. Total 89 species (2 additional subspecies), about 10,875 individuals.

Roger and Sherry Ferguson, Mike Heffron, Brian and Marvin Kuehn, Gil and Marie Leisman, Lotta and Wes Matson, Paul McKnab, Drake Miller, John Parrish, Bob and Wendy Rose, Jean Schulenberg (compiler — Rt. 2, Box 336, Admire, KS, 66830), Marvin Schwilling, Kathleen Tabor, Warren Voorhees.

Garden City. 37° 55'N, 100° 47'W. Center 4 mi SE junction U.S. 83 spur and U.S. 50. Habitat coverage: cultivated fields 33%, grassland 25%, riparian woodland 16%, residential areas 16%, river and sandpits 7%, oldfields and fencerows 3%. 3 January 1988, 7:45 a.m. to 6 p.m., 11° to 35° F; Wind calm; remnant patches of snow; 5% of water open; clear. Twelve observers in 4 parties and 11 observers at feeders. Total party-hours 21 (2 on foot, 19 by car) plus 33 hrs at feeders. Total party-miles 197 (5 on foot, 192 by car).

Canada Goose 40, Green-winged Teal 325, Mallard 501, American Wigeon 1, Bald Eagle 12, Northern Harrier 19, Sharp-shinned Hawk 2, Red-tailed Hawk 13, Ferruginous Hawk 22, Rough-legged Hawk 12, *Buteo* sp. 1, American Kestrel 6, Prairie Falcon 1, Ring-necked Pheasant 38, Lesser Prairie-chicken 20, Northern Bobwhite 40, Scaled Quail 22, Ring-billed Gull 1, Rock Dove 141, Eastern Screech-owl 2, Great Horned Owl 17, Belted Kingfisher 1, Red-bellied Woodpecker 1, Yellow-bellied Sapsucker 1, Downy Woodpecker 5, Northern (Yellow-shafted) Flicker 18, Northern (Red-shafted) Flicker 20, Northern Flicker ssp. 9, Horned Lark 881, Blue Jay 19, Black-billed Magpie 132, American Crow 15, Red-breasted Nuthatch 14, White-breasted Nuthatch 2, Brown Creeper 2, Townsend's Solitaire 3, Northern Mockingbird 2, Brown Thrasher 1, Curve-billed Thrasher 1, Cedar Waxwing 9, Northern Shrike 1, European Starling 8183, Northern Cardinal 2, Rufous-sided Towhee 3, American Tree Sparrow 486, Field Sparrow 109 (too high? — ed.), Song Sparrow 12, White-crowned Sparrow 203, Harris' Sparrow 105, Dark-eyed (Slate-colored) Junco 198, Dark-eyed (Oregon) Junco 28, Dark-eyed (Gray-headed) Junco 1, Dark-eyed Junco ssp. 130, Red-winged Blackbird 135, Western Meadowlark 340, Common Grackle 1, Brown-headed Cowbird 509, House Finch 260, Red Crossbill 5, Pine Siskin 262, American Goldfinch 40, Evening Grosbeak 6, House Sparrow 2273. Total 57 species (3 additional subspecies), about 15,664 individuals. Seen in area during count period, but not on count day — Merlin, Carolina Wren, American Robin.

Natalie Armentrout, Ralph Ausherman, Caverly Baffa, Daniel Baffa, Cathy Fenton, Ron Jameson, Nell Jones, Betty Langston, Sarah Norman, Kathy Olson, Libby Olson, Mary Olson, Pete Olson, Lee Osterbuhr, Marie Osterbuhr (compiler — 1103 Gillespie Pl., Garden City, KS, 67846), George Purnell, Betty Rich, Leonard Rich, Emaline Scott, Sandy Tyner.

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%. 19 December 1987, 7 a.m. to 5 p.m., 35° to 42° F; Wind S-SW, 5-15 m.p.h.; partial snow cover, waters partly open, overcast and rainy. Twenty observers in 5 parties. Total party-hours 40 (8 on foot, 32 by car). Total party-miles 296 (12 on foot, 284 by car).

Great Blue Heron 1, Canada Goose 6, Bald Eagle 1, Northern Harrier 3, Sharp-shinned Hawk 2, Cooper's Hawk 1, Red-tailed Hawk 26, Rough-legged Hawk 6, *Buteo* sp. 4, American Kestrel 41, Ring-necked Pheasant 55, Northern Bobwhite 32, Common Snipe 2, Rock Dove 288, Mourning Dove 9, Great Horned Owl 7, Belted Kingfisher 3, Red-bellied Woodpecker 12, Yellow-bellied Sapsucker 1, Downy Woodpecker 22, Hairy Woodpecker 8, Northern (Yellow-shafted) Flicker 22, Northern (Red-shafted) Flicker

2, Northern Flicker ssp. 11, Horned Lark 773, Blue Jay 141, American Crow 395, Black-capped Chickadee 62, Tufted Titmouse 2, White-breasted Nuthatch 7, Brown Creeper 7, Carolina Wren 1, Golden-crowned Kinglet 10, Eastern Bluebird 22, Townsend's Solitaire 1, American Robin 26, Northern Mockingbird 1, Brown Thrasher 1, Cedar Waxwing 23, Loggerhead Shrike 9, European Starling 3318, Northern Cardinal 74, Rufous-sided Towhee 5, American Tree Sparrow 484, Field Sparrow 5, Vesper Sparrow 1 (excellent details), Song Sparrow 9, White-throated Sparrow 4, White-crowned Sparrow 7, Harris' Sparrow 1049, Dark-eyed Junco ssp. 375, Lapland Longspur 959, Red-winged Blackbird 577, Eastern Meadowlark 1, Western Meadowlark 2, *Sturnella* sp. 1019, Common Grackle 2, Brown-headed Cowbird 7, Pine Siskin 68, American Goldfinch 48, House Sparrow 942. Total 57 species (1 additional subspecies), about 11,002 individuals. Seen in area during count period, but not on count day — Franklin's Gull (excellent details).

Nadine Abrahams, Beverly DuGay, Gregg Friesen, Pete Janzen, Paul Jantzen, Marilyn Johnson, Shari Johnson, David Kreider, Jay Newton (compiler — #8 Tenth Street Court, Newton, KS, 67114), Jim Nickel, Wesley Pauls, Joan Phelan, Dwight Platt, Kamala Platt, Bob Regier, Richard Schmidt, John Torline, Nada Voth, Robert Waltner, Steve Waltner, 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%, grassland 5%. 2 January 1988, 8 a.m. to 5:30 p.m., 15° to 44° F; Wind SE, 3-15 m.p.h.; trace of snow; still water frozen, moving water partly frozen. Eight observers in 4 parties and 5 observers at feeders. Total party-hours 25 (10 on foot, 15 by car) plus 15 hrs at feeders. Total party-miles 286 (10 on foot, 276 by car).

Great Blue Heron 1, Canada Goose 6, Mallard 4, Bald Eagle 2, Northern Harrier 24, Sharp-shinned Hawk 3, Red-tailed Hawk 16, Rough-legged Hawk 1, *Buteo* sp. 3, American Kestrel 7, Prairie Falcon 1, Ring-necked Pheasant 9, Northern Bobwhite 2, Rock Dove 184, Mourning Dove 3, Great Horned Owl 9, Belted Kingfisher 2, Red-bellied Woodpecker 4, Yellow-bellied Sapsucker 1, Downy Woodpecker 7, Hairy Woodpecker 4, Northern (Yellow-shafted) Flicker 8, Northern (Red-shafted) Flicker 7, Northern Flicker ssp. 7, Horned Lark 2385, Blue Jay 3, Black-billed Magpie 5, American Crow 69, Black-capped Chickadee 55, Red-breasted Nuthatch 11, White-breasted Nuthatch 1, Brown Creeper 2, Golden-crowned Kinglet 15, Northern Mockingbird 1, Loggerhead Shrike 2, European Starling 668, Northern Cardinal 2, American Tree Sparrow 324, Fox Sparrow 1 (excellent details), Song Sparrow 20, Harris' Sparrow 152, Dark-eyed (Slate-colored) Junco 97, Dark-eyed (Oregon) Junco 12, Dark-eyed Junco ssp. 92, Lapland Longspur 2455, Red-winged Blackbird 907, Western Meadowlark 787, House Finch 63, Red Crossbill 24, Pine Siskin 128, American Goldfinch 86, Evening Grosbeak 7, House Sparrow 793. Total 48 species (2 additional subspecies), about 9,477 individuals.

Earl Carlson, Donna Cooper (compiler — 2906 Walnut, Hays, KS, 67601), Charles Ely, Jennifer Folsom, Betsy Jennings, Katherine Mermis, Skip Russell, Annie Laurie Steele.

Hillsdale Reservoir. 38° 37'N, 94° 52'W. Center 2.5 mi W, 1 mi N of junction of old U.S. 169 through Paola and K68. Habitat coverage: riparian woodland 45%, lakes and rivers 20%, cultivated fields 20%, swamps 5%, oldfields and fencerows 5%, grassland 2%, coniferous stands 1%, marsh 1%, residential areas 1%. 2 January 1988, 6:30 a.m. to 5:45 p.m., 11° to 38° F; Wind S, 10-20 m.p.h.; trace of snow on ground; lake 98% ice covered, ponds frozen, creeks open; clear. Fourteen observers in 5 parties and 3 observers at feeders. Total party-hours 34 (5 on foot, 29 by car) plus 3 hrs owling and 8.5 hrs at feeders. Total party-miles 287.5 (9.5 on foot, 278 by car) and 5 miles owling.

Pied-billed Grebe 2, Great Blue Heron 13, Greater White-fronted Goose 2, Canada Goose 180, Green-winged Teal 15, Mallard 150, Gadwall 25, American Wigeon 3, Lesser Scaup 30, Common Goldeneye 35, Common Merganser 1, Bald Eagle 1, Northern

Harrier 12, Sharp-shinned Hawk 6, Cooper's Hawk 1, Red-tailed Hawk 114, Red-tailed (Harlan's) Hawk 4, Rough-legged Hawk 7, American Kestrel 26, Ring-necked Pheasant 1, Northern Bobwhite 47, American Coot 25, Ring-billed Gull 88, Herring Gull 1, Rock Dove 88, Mourning Dove 81, Common Barn-owl 1, Eastern Screech-owl 6, Great Horned Owl 19, Barred Owl 6, Belted Kingfisher 3, Red-headed Woodpecker 18, Red-bellied Woodpecker 22, Downy Woodpecker 19, Hairy Woodpecker 3, Northern Flicker ssp. 19, Horned Lark 13, Blue Jay 164, American Crow 314, Black-capped Chickadee 193, Tufted Titmouse 58, White-breasted Nuthatch 20, Brown Creeper 1, Golden-crowned Kinglet 2, Eastern Bluebird 64, American Robin 10, Northern Mockingbird 10, Cedar Waxwing 15, Loggerhead Shrike 11, European Starling 1105, Northern Cardinal 154, American Tree Sparrow 68, Field Sparrow 2, Song Sparrow 4, White-crowned Sparrow 17, Harris' Sparrow 17, Dark-eyed Junco ssp. 358, Red-winged Blackbird 123, Eastern Meadowlark 213, Pine Siskin 27, American Goldfinch 72, House Sparrow 356. Total 61 species (1 additional subspecies), about 4,465 individuals.

Marjorie Brink, Scott Carpenter, Mark Corder, Steve Crawford, Ken Emley, Jo and Orville Flager, Marilyn Harrington, Brett Mueller, Jean Mueller, Mike Mueller (compiler — Hillsdale Lake, Rt. 3, Box 205, Paola, KS, 66071), Patricia Mueller, Harlan Mizell, Gladys Ponsness, Sean Reilly, Art Swalwell, Kevin Yurchak.

Junction City. 39° 00'N, 96° 53'W. Center I70 roadside rest W of Junction City, KS. Habitat coverage: riparian woodland 19%, lakes and rivers 19%, grassland 13%, cultivated fields 13%, coniferous stands 11%, marsh 9%, oldfields and fencerows 7%, upland deciduous forest 7%, residential areas 2%. 3 January 1988, 7:30 a.m. to 10:15 p.m., 15° to 40° F; Wind N, 5-10 m.p.h.; waters 95% frozen; no snow cover; clear but hazy. Eighteen observers in 7 parties and 3 observers at feeders. Total party-hours 47 (19 on foot, 28 by car) plus 3 hrs owling and 6 hrs at feeders. Total party-miles 310 (23 on foot, 287 by car) and 60 miles owling.

American White Pelican 1, Double-crested Cormorant 20, Great Blue Heron 29, Canada Goose 512, Wood Duck 1, Green-winged Teal 54, Mallard 4318, Northern Pintail 2, Gadwall 350, Canvasback 7, Ring-necked Duck 4, Lesser Scaup 25, Common Goldeneye 264, Bufflehead 44, Hooded Merganser 2, Common Merganser 6233, Bald Eagle 63, Northern Harrier 33, Sharp-shinned Hawk 3, Cooper's Hawk 3, Red-tailed Hawk 62, Red-tailed (Harlan's) Hawk 2, Rough-legged Hawk 3, American Kestrel 40, Merlin 3, Prairie Falcon 2, Ring-necked Pheasant 35, Greater Prairie-chicken 66, Wild Turkey 30, Northern Bobwhite 237, Killdeer 1, Ring-billed Gull 2074, Herring Gull 34, Rock Dove 133, Mourning Dove 95, Eastern Screech-owl 4, Great Horned Owl 12, Barred Owl 5, Long-eared Owl 3, Belted Kingfisher 11, Red-headed Woodpecker 4, Red-bellied Woodpecker 38, Yellow-bellied Sapsucker 3, Downy Woodpecker 62, Hairy Woodpecker 11, Northern (Yellow-shafted) Flicker 62, Northern (Red-shafted) Flicker 12, Northern Flicker ssp. 51, Blue Jay 204, American Crow 932, Black-capped Chickadee 313, Tufted Titmouse 33, Red-breasted Nuthatch 5, White-breasted Nuthatch 35, Brown Creeper 9, Carolina Wren 1, Bewick's Wren 2, Winter Wren 3, Marsh Wren 1, Golden-crowned Kinglet 26, Eastern Bluebird 19, American Robin 1303, Northern Mockingbird 8, Cedar Waxwing 34, Loggerhead Shrike 15, European Starling 3073, Yellow-rumped (Myrtle) Warbler 18, Northern Cardinal 280, Rufous-sided Towhee 9, American Tree Sparrow 1128, Song Sparrow 15, Lincoln's Sparrow 1, Swamp Sparrow 5, White-throated Sparrow 2, White-crowned Sparrow 4, Harris' Sparrow 257, Dark-eyed (Slate-colored) Junco 681, Dark-eyed (Oregon) Junco 14, Dark-eyed Junco ssp. 268, Red-winged Blackbird 372, Eastern Meadowlark 71, Western Meadowlark 65, *Sturnella* sp. 407, Rusty Blackbird 3, Brown-headed Cowbird 24, Purple Finch 2, Pine Siskin 7, American Goldfinch 432, House Sparrow 511. Total 83 species (3 additional subspecies), about 25,655 individuals. Seen in area during count week, but not on count day — Pied-billed Grebe, Snow Goose, Northern Shoveler, American Wigeon, Redhead, Hooded Merganser, Common Snipe, Horned Lark, Townsend's Solitaire, Hermit Thrush, Northern Shrike, Fox Sparrow, Lapland Longspur.

Cecil Best, Charlene Caspar, Alvin Ehlers, Karen Fader, Kevin Fay, Marion Gray,

Cynthia Jeffrey, Gary Jeffrey, Dan Larson, Dan LaShelle, John LaShelle, Robert LaShelle (compiler — 328 W. 7th, #1, Junction City, KS, 66441), John Lebbert, Eugene Lewis, Eulalia Lewis, Liz Montgomery, Jeanne Nixon, Jim Nixon, Neil Schanker, Tom Shields, Chris Smith.

Lakin. 37° 95'N, 101° 15'W. Center 2.5 mi N, 0.5 mi E of Lakin, KS. Habitat coverage: cultivated fields 70%, lakes and ponds 10%, residential areas 10%, oldfields and fencerows 5%, riparian woodland 5%. 19 December 1987, 8 a.m. to 5 p.m., 35° to 45° F; Wind S, 5-20 m.p.h.; partly cloudy; no snow cover; waters 10% open. Nine observers in 4 parties. Total party-hours 24 (2 on foot, 22 by car). Total party-miles 241 (2 on foot, 239 by car).

Greater White-fronted Goose 100, Snow Goose (white morph) 10, Snow Goose (blue morph) 2, Canada Goose 2475, Green-winged Teal 7, Mallard 5011, Northern Pintail 50, Northern Shoveler 1, Gadwall 200, American Wigeon 440, Canvasback 3, Redhead 1, Common Goldeneye 2, Common Merganser 1, Bald Eagle 3, Northern Harrier 19, Sharp-shinned Hawk 1, Red-tailed Hawk 16, Ferruginous Hawk 15, Rough-legged Hawk 10, American Kestrel 18, Merlin 2, Prairie Falcon 6, Ring-necked Pheasant 18, American Coot 8, Common Snipe 8, Ring-billed Gull 13, Herring Gull 3, Rock Dove 64, Eastern Screech-owl 2, Great Horned Owl 9, Red-bellied Woodpecker 1, Downy Woodpecker 8, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 2, Northern (Red-shafted) Flicker 17, Northern Flicker ssp. 1, Horned Lark 5105, Blue Jay 29, Black-billed Magpie 63, American Crow 9, Red-breasted Nuthatch 2, White-breasted Nuthatch 1, Marsh Wren 2, Ruby-crowned Kinglet 1 (very good details), Townsend's Solitaire 7, American Robin 4, Northern Mockingbird 2, Cedar Waxwing 16, Northern Shrike 1 (excellent details), Loggerhead Shrike 1, European Starling 347, American Tree Sparrow 169, Song Sparrow 6, White-crowned Sparrow 40, Harris' Sparrow 18, Dark-eyed (Slate-colored) Junco 58, Dark-eyed (Oregon) Junco 46, Dark-eyed Junco ssp. 245, Lapland Longspur 481, Red-winged Blackbird 278, Western Meadowlark 570, Brewer's Blackbird 1 (very good details), Common Grackle 12, House Finch 135, Pine Siskin 111, American Goldfinch 29, House Sparrow 1521. Total 63 species (2 additional subspecies), about 17,859 individuals. Seen in area during count period, but not on count day — Golden Eagle.

Mick McHugh (compiler — 6455 Overbrook, Shawnee Mission, KS, 66208), Sara Norman, Marie Osterbuhr, Sebastian Patti, Mike Rader, Betty Rich, Leonard Rich, Scott Seltman, Tom Shane.

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 in NW Lawrence, KS. Habitat coverage: oldfields and fencerows 23%, residential areas 21%, upland deciduous forest 16%, cultivated fields 14%, riparian forest 11%, grassland 7%, lakes and rivers 5%, marsh 2%, coniferous stands 1%. 19 December 1987, 6 a.m. to 5:30 p.m., 34° to 41° F; Wind S, 0-20 m.p.h.; water partly frozen; 1-3" snow cover; overcast with light to heavy rain all day and fog in P.M. Forty-two observers in 12 parties and 4 observers at feeders. Total party-hours 84 (17 on foot, 67 by car) plus 5.5 hrs owling and 9.5 hrs at feeders. Total party-miles 436 (13.5 on foot, 422.5 by car) and 39 miles owling.

Pied-billed Grebe 1, Double-crested Cormorant 1, Great Blue Heron 16, Snow Goose (white morph) 13, Snow Goose (blue morph) 12, American Black Duck 1 (excellent details), Mallard 161, Blue-winged Teal 1 (no details), Northern Shoveler 5, Gadwall 177, American Wigeon 10, Ring-necked Duck 1, Common Goldeneye 20, Bufflehead 3, Common Merganser 700, Bald Eagle 8, Northern Harrier 18, Sharp-shinned Hawk 3, *Accipiter* sp. 1, Red-tailed Hawk 95, *Buteo* sp. 6, American Kestrel 59, Prairie Falcon 1, Northern Bobwhite 32, Killdeer 3, Ring-billed Gull 425, Herring Gull 5, *Larus* sp. 180, Rock Dove 950, Mourning Dove 60, Eastern Screech-owl 2, Great Horned Owl 6, Barred Owl 2, Belted Kingfisher 4, Red-headed Woodpecker 82, Red-bellied Woodpecker 69, Yellow-bellied Sapsucker 3, Downy Woodpecker 87, Hairy Woodpecker 4, Northern (Yellow-shafted) Flicker 67, Northern (Red-shafted) Flicker 2, Northern

Flicker ssp. 17, Horned Lark 46, Blue Jay 325, American Crow 159, Black-capped Chickadee 350, Tufted Titmouse 115, Red-breasted Nuthatch 1, White-breasted Nuthatch 36, Brown Creeper 7, Carolina Wren 2, Winter Wren 2, Golden-crowned Kinglet 16, Ruby-crowned Kinglet 3, Eastern Bluebird 59, American Robin 148, Northern Mockingbird 8, Cedar Waxwing 4, Loggerhead Shrike 10, European Starling 4800, Yellow-rumped (Myrtle) Warbler 1, Northern Cardinal 371, Rufous-sided Towhee 4, American Tree Sparrow 980, LeConte's Sparrow 1 (no details), Fox Sparrow 4, Song Sparrow 101, Swamp Sparrow 37, White-throated Sparrow 17, White-crowned Sparrow 43, Harris' Sparrow 209, Dark-eyed (Slate-colored) Junco 760, Dark-eyed (Oregon) Junco 14, Dark-eyed Junco ssp. 400, Red-winged Blackbird 550, Eastern Meadowlark 7, *Sturnella* sp. 310, Rusty Blackbird 41, Common Grackle 21, Brown-headed Cowbird 5, Purple Finch 13, Pine Siskin 100, American Goldfinch 530, Evening Grosbeak 2, House Sparrow 1300. Total 76 species (2 additional subspecies), about 15,225 individuals. Seen in area during count period, but not on count day — Green-winged Teal, Red-shouldered Hawk, Wild Turkey, Bonaparte's Gull (no details).

Mary Allen, Bob Antonio, Richard Bean, Byron Berger, Roger Boyd, Bill Busby, Opal Callaway, Calvin Cink, Patricia Doemland, Carol Estes, Ruth Fahl, Henry Fitch, Lin Fredericksen, Nancy Golden, Bill and Shirley Griffith, Bill Hays, David Herrin, Martin Jones, Jennifer Jones, Grey Kramos, Bruce McEnroe, Bob Orr, Galen Pittman (compiler — RR 4, Box 260, Lawrence, KS 66044), David Reber, Richard and Robert Rucker, Jim and Stan Roth, Susan Schneider, David Seibel, Dawn Sharp, Ed and Cynthia Shaw, Liz Smith, Roseanne Smith, Claudia Spener, Pennie von Achen, Linda and Phil Wedges, Joyce and Ron Wolf.

Linn County. 38° 17'N, 94° 45'W. Center SW corner, Unit G, Marais des Cygnes Wildlife Management Area. Habitat coverage: cultivated fields 22%, riparian forest 17%, upland deciduous forest 13%, oldfields and fencerows 16%, lakes and rivers 16%, marsh 8%, grassland 3%, swamp 3%, residential areas 1%, coniferous stands 1%. 28 December 1987, 6:45 a.m. to 5:15 p.m., 25° to 30° F; Wind W, 5-10 m.p.h.; water mostly open, small ponds frozen; patchy snow on ground; clear in A.M., snow showers in P.M. Eight observers in 3 parties. Total party-hours 29 (7 on foot, 22 by car) plus 1 hr owling. Total party-miles 179 (4 on foot, 175 by car) and 10 miles owling.

Double-crested Cormorant 5, Great Blue Heron 6, Snow Goose (white morph) 230, Canada Goose 3013, Wood Duck 1, Green-winged Teal 116, American Black Duck 1 (excellent details), Mallard 6601, Northern Pintail 25, Gadwall 16, Redhead 5, Ring-necked Duck 330, Lesser Scaup 5, Common Goldeneye 4, Hooded Merganser 6, Common Merganser 20, Ruddy Duck 1 (excellent details), Bald Eagle 5, Northern Harrier 27, Sharp-shinned Hawk 5, Red-tailed Hawk 102, Red-tailed (Harlan's) Hawk 2, Rough-legged Hawk 2, American Kestrel 30, Northern Bobwhite 40, American Coot 2, Killdeer 1, Ring-billed Gull 50, Rock Dove 37, Mourning Dove 61, Eastern Screech-owl 1, Great Horned Owl 1, Barred Owl 2, Belted Kingfisher 2, Red-headed Woodpecker 69, Red-bellied Woodpecker 92, Yellow-bellied Sapsucker 2, Downy Woodpecker 52, Hairy Woodpecker 3, Northern (Yellow-shafted) Flicker 84, Northern (Red-shafted) Flicker 2, Northern Flicker ssp. 11, Pileated Woodpecker 7, Horned Lark 132, Blue Jay 303, American Crow 201, Black-capped Chickadee 110, Tufted Titmouse 53, White-breasted Nuthatch 20, Brown Creeper 3, Carolina Wren 5, Golden-crowned Kinglet 4, Eastern Bluebird 54, American Robin 38, Northern Mockingbird 4, Cedar Waxwing 74, Loggerhead Shrike 9, European Starling 1536, Northern Cardinal 183, American Tree Sparrow 678, Savannah Sparrow 5 (excellent details), Fox Sparrow 9, Song Sparrow 98, Swamp Sparrow 54, White-throated Sparrow 14, White-crowned Sparrow 101, Harris' Sparrow 28, Dark-eyed (Slate-colored) Junco 838, Dark-eyed (Oregon) Junco 6, Red-winged Blackbird 5093, Eastern Meadowlark 15, *Sturnella* sp. 429, Rusty Blackbird 135, Brewer's Blackbird 29 (excellent details), Common Grackle 8, Brown-headed Cowbird 44, Purple Finch 9, Pine Siskin 2, American Goldfinch 62, House Sparrow 790. Total 75 species (3 additional subspecies), about 22,253 individuals.

Roger Boyd (compiler — Biology Dept., Baker University, Baldwin City, KS 66006), Arlie and Mel Cooksey, Ruth Fahl, Galen Pittman, Barbara Pressgrove, Richard Rucker.

Manhattan. 39° 11'N, 96° 34'W. Center Anderson Hall, Kansas State University campus. Habitat coverage: riparian forest 20%, upland deciduous forest 16%, lakes and rivers 14%, oldfields and fencerows 12%, grasslands 11%, cultivated fields 10%, marsh 6%, residential areas 6%, coniferous stands 5%. 19 December 1987, 7 a.m. to 5 p.m., 35° to 45° F; Wind S, 0-5 m.p.h., then N, 5-10 m.p.h.; all waters open; scant snow cover; overcast, light drizzle most of day. Eighty-six observers in 18 parties. Total party-hours 179 (87 by car, 86.5 by foot, 5.5 by canoe). Total party-miles 733.5 (628 by car, 89.5 by foot, 16 by canoe).

Double-crested Cormorant 5, Great Blue Heron 25, Snow Goose (white morph) 14, Snow Goose (blue morph) 8, Canada Goose 7, Wood Duck 10 (excellent details), Green-winged Teal 401, Mallard 1344, Northern Pintail 5, Gadwall 131, American Wigeon 2, Canvasback 17, Redhead 6, Ring-necked Duck 33, Lesser Scaup 88, Oldsquaw 2 (excellent details), Surf Scoter 1 (excellent details), White-winged Scoter 1 (good details), Common Goldeneye 154, Bufflehead 41, Hooded Merganser 13, Common Merganser 672, Ruddy Duck 6, Bald Eagle 50, Northern Harrier 22, Sharp-shinned Hawk 10, Cooper's Hawk 3, Red-tailed Hawk 87, Red-tailed (Harlan's) Hawk 6, Rough-legged Hawk 2, American Kestrel 55, Merlin 2, Ring-necked Pheasant 59, Greater Prairie-chicken 13, Wild Turkey 3, Northern Bobwhite 741, American Coot 3, Killdeer 1, Common Snipe 5, Ring-billed Gull 2430, Herring Gull 23, Rock Dove 591, Mourning Dove 95, Eastern Screech-owl 2, Great Horned Owl 17, Barred Owl 3, Belted Kingfisher 33, Red-headed Woodpecker 113, Red-bellied Woodpecker 124, Yellow-bellied Sapsucker 17, Downy Woodpecker 136, Hairy Woodpecker 22, Northern (Yellow-shafted) Flicker 106, Northern (Red-shafted) Flicker 4, Northern Flicker ssp. 42, Horned Lark 60, Blue Jay 601, American Crow 1240, Black-capped Chickadee 504, Tufted Titmouse 120, Red-breasted Nuthatch 2, White-breasted Nuthatch 97, Brown Creeper 43, Carolina Wren 3, Bewick's Wren 3, Winter Wren 2, Golden-crowned Kinglet 68, Eastern Bluebird 19, Townsend's Solitaire 3, American Robin 4739, Northern Mockingbird 2, Cedar Waxwing 408, Loggerhead Shrike 5, European Starling 1232, Yellow-rumped (Myrtle) Warbler 18, Northern Cardinal 582, Rufous-sided Towhee 8, American Tree Sparrow 1510, Fox Sparrow 4, Song Sparrow 40, Lincoln's Sparrow 1, Swamp Sparrow 6, White-throated Sparrow 2, White-crowned Sparrow 16, Harris' Sparrow 280, Dark-eyed (Slate-colored) Junco 1622, Dark-eyed (Oregon) Junco 29, Dark-eyed Junco ssp. 364, Red-winged Blackbird 612, Eastern Meadowlark 50, Western Meadowlark 150, *Sturnella* sp. 508, Brewer's Blackbird 250, Common Grackle 24, Purple Finch 11, Pine Siskin 25, American Goldfinch 520, House Sparrow 711. Total 91 species (3 additional subspecies), about 24,299 individuals. Seen in area during count period, but not on count day — Ruby-crowned Kinglet.

David Allison, Patsy Best Alves, Gary Anderson, Heidi Bacon, Cecil Best, Kim Brawley, Kenny Brooks, Jeff Brown, Kathy Brown, Mary and Richard Brown, Melissa Brown, Lynn Byczynski, Laurie and Terry Campbell, Jim Davis, Michael Donnelly, Lynn and Pat Dreese, Don and Irmie Fallon, Kevin Fay, Phil Fay, Clyde and Marilena Ferguson, Elmer and Lavonne Finck, Esther Flemming, Nathan Folland, Marion Gray, Don and Gale Halley, Leann Harrell, Bart Hettenbach, Lynn Jensen, Lowell Johnson, Mark Joy, Michelle Kelly, Duane Kerr, Randy and Sue Kidd, Ron Klataske, Jim Koelliker, Angel Kwolek-Folland, Sam Lacy, Bob LaShelle, John LaShelle, Charlotte Lorenzen, Dick Marzolf, Greg Melaik, Barry Michie, Fred Mikesell, Marge Muenzenberger, Hala Muhtasib, Dan Mulhern, Doug Mullinex, Dan Nagengast, Ed and Kay Olson, Jack Oviatt, Carol Pacey, Larry Patton, Ted Pittenger, Bill Pursley, Gary Radke, Lee Railsback, Cindy Rebar, Dave Redmond, David Rintoul, Neil Schanker, Tom Shields, Andy Smith, Chris Smith, Guy Smith, Peter Sullivan, Mark Swegle, Spencer Tomb, Dana and Harvard Townsend, Joyce and Roger Vasconcells, Barb Wax, Paul Weidhaas, Ruth Welti, Jan and John Zimmerman (compiler — Div. Biology, Kansas State 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%. 2 January 1988, 7:30 a.m. to 5:30 p.m., 14° to

40° F; Wind N, 20 m.p.h.; waters mostly frozen; 15% snow cover; clear. Eight observers in 2 parties and 2 observers at feeders. Total party-hours 13.5 (10.5 on foot, 3 by car) and 2 hrs at feeders. Total party-miles 120 (10 on foot, 110 by car).

Pied-billed Grebe 3, Greater White-fronted Goose 1, Canada Goose 4500, Green-winged Teal 12, Mallard 2501, Northern Pintail 4, Blue-winged Teal 6 (no details), Northern Shoveler 20, American Wigeon 12, Canvasback 1, Redhead 24, Ring-necked Duck 6, Lesser Scaup 24, Bufflehead 1, Ruddy Duck 2, Northern Harrier 11, Sharp-shinned Hawk 2, Red-tailed Hawk 8, Rough-legged Hawk 2, *Buteo* sp. 11, American Kestrel 16, Ring-necked Pheasant 1, Wild Turkey 57, Northern Bobwhite 42, American Coot 2000, Great Horned Owl 7, Red-bellied Woodpecker 7, Downy Woodpecker 6, Hairy Woodpecker 6, Northern (Yellow-shafted) Flicker 10, Northern (Red-shafted) Flicker 21, Northern Flicker ssp. 6, Horned Lark 152, Blue Jay 2, Black-billed Magpie 7, American Crow 27, Black-capped Chickadee 8, White-breasted Nuthatch 3, Brown Creeper 2, Bewick's Wren 1, Golden-crowned Kinglet 4, Eastern Bluebird 40, Townsend's Solitaire 10, American Robin 3, Cedar Waxwing 15, Loggerhead Shrike 4, European Starling 106, Northern Cardinal 7, American Tree Sparrow 52, Song Sparrow 2, White-crowned Sparrow 29, Harris' Sparrow 139, Dark-eyed (Slate-colored) Junco 3, Dark-eyed (Oregon) Junco 4, Dark-eyed Junco ssp. 57, Red-winged Blackbird 175, Western Meadowlark 291, House Finch 33, Pine Siskin 23, American Goldfinch 24, House Sparrow 207. Total 56 species (2 additional subspecies), about 10,760 individuals. Seen in area during count period, but not on count day — Golden Eagle, Rusty Blackbird, Brewer's Blackbird, Purple Finch.

Audrey Flowers, Tom Flowers (compiler — P. O. Box 87, Meade, KS 67864), Kate Goldsberry, Laura Goldsberry, Shirley Goldsberry, Dinah Mellard, Ron Mellard.

Olathe. 38° 55'N, 94° 51'W. Center intersection 119th St. and K7. Habitat coverage: riparian forest 30%, upland deciduous forest 20%, oldfields and fencerows 20%, lakes and rivers 15%, grasslands 10%, coniferous stands 5%. 27 December 1987, 7 a.m. to 5 p.m., 31° to 39° F; Wind W, 0-5 m.p.h.; waters open; 0.5" snow cover; overcast with light drizzle except for brief periods of sun in late P.M. Eight observers in 5 parties and 6 observers at feeders. Total party-hours 29 (10 on foot, 19 by car) plus 1 hr owling and 14 hrs at feeders. Total party-miles 330 (5 on foot, 325 by car) and 1 mile owling.

Great Blue Heron 6, Canada Goose 162, Mallard 156, Lesser Scaup 11, Common Goldeneye 6, Northern Harrier 2, Red-tailed Hawk 104, Red-tailed (Harlan's) Hawk 1, Rough-legged Hawk 1, American Kestrel 40, Northern Bobwhite 41, Killdeer 7, Ring-billed Gull 284, Rock Dove 80, Mourning Dove 39, Eastern Screech-owl 1, Great Horned Owl 6, Belted Kingfisher 7, Red-headed Woodpecker 33, Red-bellied Woodpecker 35, Downy Woodpecker 45, Hairy Woodpecker 8, Northern (Yellow-shafted) Flicker 61, Northern (Red-shafted) Flicker 2, Horned Lark 156, Blue Jay 241, American Crow 211, Black-capped Chickadee 238, Tufted Titmouse 36, White-breasted Nuthatch 22, Brown Creeper 2, Carolina Wren 4, Golden-crowned Kinglet 1, Eastern Bluebird 56, American Robin 25, Northern Mockingbird 3, Loggerhead Shrike 2, European Starling 1460, Northern Cardinal 326, Rufous-sided Towhee 2, American Tree Sparrow 430, Savannah Sparrow 1 (excellent details), Song Sparrow 44, Swamp Sparrow 6, White-throated Sparrow 1, White-crowned Sparrow 1, Harris' Sparrow 27, Dark-eyed (Slate-colored) Junco 785, Dark-eyed (Oregon) Junco 2, Lapland Longspur 6, Red-winged Blackbird 42, Eastern Meadowlark 70, *Sturnella* sp. 3, Brown-headed Cowbird 2, Purple Finch 8, Pine Siskin 84, American Goldfinch 231, House Sparrow 1008. Total 54 species (3 additional subspecies), about 6,674 individuals. Seen in area during count period, but not on count day — Bald Eagle, Sharp-shinned Hawk.

Art Ayres, Roger Boyd, Steve Case, Mel Cooksey, Steve Crawford (compiler — 529 N. Curtis, Olathe, KS 66061), Betty Crownover, Dave Fisher, Mary Ann Franklin, Mick McHugh, Lloyd Moore, Nadine Paulsen, Jim Surnam, Mary Ann Waisanen, Eva Wilkins.

Oskaloosa-Perry Lake. 39° 12'N, 95° 15'W. Center entrance to Camp Jayhawk BSA (NE corner sec 9, T10S, R18E). Habitat coverage: oldfields and fencerows 22%, upland

deciduous forest 15%, riparian forest 15%, cultivated fields 15%, lakes and rivers 14%, grasslands 11%, residential areas 6%, marsh 1%, coniferous stands 1%. 2 January 1988, 6:45 a.m. to 6 p.m., 12° to 41° F; Wind SW, 0-18 m.p.h.; lake 50% frozen, ponds 100% frozen, streams open; no snow cover; clear. Seventeen observers in 7 parties and 1 observer at feeders. Total party-hours 64 (18 on foot, 46 by car) plus 2 hrs at feeders. Total party-miles 438 (21 on foot, 417 by car).

Pied-billed Grebe 1, Double-crested Cormorant 2, Great Blue Heron 2, Snow Goose (white morph) 1150, Snow Goose (blue morph) 750, Canada Goose 550, Green-winged Teal 3, Mallard 4600, Northern Pintail 6, Northern Shoveler 7, Gadwall 105, American Wigeon 4, Redhead 1, Ring-necked Duck 115, Lesser Scaup 4, White-winged Scoter 1 (excellent details), Common Goldeneye 65, Hooded Merganser 3 (excellent details), Common Merganser 2000, Bald Eagle 40, Northern Harrier 5, Red-tailed Hawk 112, American Kestrel 21, *Falco* sp. 1, Ring-necked Pheasant 1, Wild Turkey 70, Northern Bobwhite 57, American Coot 1, Killdeer 1, Ring-billed Gull 542, Herring Gull 12, *Larus* sp. 12, Rock Dove 51, Mourning Dove 6, Eastern Screech-owl 3, Great Horned Owl 5, Barred Owl 3, Belted Kingfisher 8, Red-headed Woodpecker 100, Red-bellied Woodpecker 74, Yellow-bellied Sapsucker 4, Downy Woodpecker 73, Hairy Woodpecker 11, Northern (Yellow-shafted) Flicker 50, Northern (Red-shafted) Flicker 2, Northern Flicker ssp. 15, Horned Lark 1, Blue Jay 291, American Crow 197, Black-capped Chickadee 394, Tufted Titmouse 76, Red-breasted Nuthatch 3, White-breasted Nuthatch 64, Brown Creeper 6, Carolina Wren 1, Golden-crowned Kinglet 8, Eastern Bluebird 112, American Robin 15, Gray Catbird 1 (no details), Northern Mockingbird 6, Loggerhead Shrike 9, European Starling 3083, Northern Cardinal 252, Rufous-sided Towhee 4, American Tree Sparrow 488, Field Sparrow 1, Fox Sparrow 2, Song Sparrow 45, Lincoln's Sparrow 1, Swamp Sparrow 1, White-throated Sparrow 6, Harris' Sparrow 95, Dark-eyed (Slate-colored) Junco 814, Dark-eyed (Oregon) Junco 33, Dark-eyed Junco ssp. 144, Red-winged Blackbird 348, Eastern Meadowlark 35, Western Meadowlark 25, *Sturnella* sp. 104, Common Grackle 4, Brown-headed Cowbird 100, Purple Finch 13, Pine Siskin 33, American Goldfinch 174, House Sparrow 834. Total 77 species (2 additional subspecies), about 18,472 individuals. Seen in area during count period, but not on count day — Prairie Falcon (excellent details), Cedar Waxwing.

Sandy Bowman, Joanne Brier, Arline and Robert Delker, Ruth Faulh, Dean Grisell, Jennifer Jones, Dan Larson, E. M. and E. R. Lewis, Sarah Merrill, Galen Pittman, Richard Rucker (compiler — 121 East 17th St., Lawrence, KS 66044-4233), Dawn Sharp, Chris Smith, Roseanne Smith, Phil Wedge.

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%. 20 December 1987, 7 a.m. to 6 p.m., 33° to 38° F; Wind NW, 10 m.p.h.; lake open, ponds frozen; very slushy ground; partly cloudy. Four observers in 2 parties and 4 observers at feeders. Total party-hours 22 (4 on foot, 18 by car) plus 8 hrs at feeders. Total party-miles 122 (4.5 on foot, 117.5 by car).

Great Blue Heron 4, Canada Goose 61, Green-winged Teal 1, Mallard 218, Gadwall 22, Common Goldeneye 4, Common Merganser 150, Osprey 1, Bald Eagle 2, Northern Harrier 14, Red-tailed Hawk 25, American Kestrel 20, Northern Bobwhite 43, Ring-billed Gull 46, Rock Dove 2, Mourning Dove 13, Eastern Screech-owl 1, Great Horned Owl 5, Red-headed Woodpecker 2, Red-bellied Woodpecker 23, Downy Woodpecker 19, Hairy Woodpecker 3, Northern (Yellow-shafted) Flicker 7, Horned Lark 1, Blue Jay 71, American Crow 197, Black-capped Chickadee 86, Tufted Titmouse 8, White-breasted Nuthatch 6, Golden-crowned Kinglet 2, Ruby-crowned Kinglet 1, Eastern Bluebird 23, American Robin 198, Northern Mockingbird 6, Loggerhead Shrike 7, European Starling 860, Northern Cardinal 78, American Tree Sparrow 445, Song Sparrow 22, Swamp Sparrow 1, White-crowned Sparrow 5, Harris' Sparrow 105, Dark-eyed (Slate-colored) Junco 28, Dark-eyed (Oregon) Junco 4, Dark-eyed Junco ssp. 144, Lapland Longspur 27, *Calcarius* sp. 14, Red-winged Blackbird 183, Eastern Meadowlark 5, Western Meadowlark 1, *Sturnella* sp. 162, Common Grackle 15, Brown-headed Cow-

bird 4, American Goldfinch 8, House Sparrow 325. Total 51 species (1 additional subspecies), about 3,728 individuals.

Kevin Cooper, Dick Dixon, Bev Downing (compiler — Rt. 1, Box 137, Vassar, KS 66543), Kirk Downing, Jacob Lang, Eulalia Lewis, Sarah Merrill, Steve Schoepflin.

Quivira National Wildlife Refuge. 38° 09'N, 98° 29'W. Center at refuge subheadquarters. Habitat coverage: grassland 25%, lakes and rivers 25%, marsh 25%, cultivated fields 20%, upland deciduous forest 5%. 18 December 1987, 8 a.m. to 5 p.m., 34° to 40° F; Wind SW, 5-10 m.p.h.; water mostly frozen; remnant snow cover; overcast with intermittent light rain and fog. Eleven observers in 3 parties and 1 observer at feeders. Total party-hours 22 (3 on foot, 19 by car) plus 6 hrs at feeders. Total party-miles 180 (4 on foot, 176 by car).

American White Pelican 2, Great Blue Heron 23, Greater White-fronted Goose 300, Snow Goose (white morph) 5, Canada Goose 275, Green-winged Teal 1263, Mallard 6871, Northern Pintail 165, Northern Shoveler 17, Gadwall 4, American Wigeon 1, Redhead 10, Lesser Scaup 1, Common Goldeneye 7, Bufflehead 3, Bald Eagle 20, Northern Harrier 84, Sharp-shinned Hawk 3, Cooper's Hawk 3, Red-tailed Hawk 64, Red-tailed (Harlan's) Hawk 1, Ferruginous Hawk 1, Rough-legged Hawk 19, American Kestrel 35, Prairie Falcon 2, Ring-necked Pheasant 44, Wild Turkey 25, Northern Bobwhite 125, Virginia Rail 1, Sandhill Crane 878, Ring-billed Gull 27, Herring Gull 3, Rock Dove 2, Mourning Dove 7, Eastern Screech-owl 1, Great Horned Owl 4, Short-eared Owl 1, Belted Kingfisher 2, Red-bellied Woodpecker 4, Downy Woodpecker 11, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 15, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 31, Horned Lark 5, Blue Jay 13, Black-billed Magpie 6, American Crow 34, Black-capped Chickadee 37, Tufted Titmouse 1, White-breasted Nuthatch 1, Golden-crowned Kinglet 1, Eastern Bluebird 13, Loggerhead Shrike 12, European Starling 65, Northern Cardinal 11, Rufous-sided Towhee 1, American Tree Sparrow 1264, Savannah Sparrow 1, Fox Sparrow 1, Song Sparrow 12, Swamp Sparrow 1, White-crowned Sparrow 1, Harris' Sparrow 240, Dark-eyed (Slate-colored) Junco 216, Lapland Longspur 1, Red-winged Blackbird 177,000, Eastern Meadowlark 310, *Sturnella* sp. 139, Brewer's Blackbird 60, Great-tailed Grackle 20, Common Grackle 125, Brown-headed Cowbird 8, American Goldfinch 76, House Sparrow 10. Total 71 species (2 additional subspecies), about 190,050 individuals.

Skip Allen, Karen Cartledge (compiler — Quivira NWR, Rt. 3, Box 48A, Stafford, KS 67578), Wallace Champeny, Lorena Combs, Rick Goodrick, Dave Kilby, Mike Lesan, Jay Newton, David Rintoul, Neil Schanker, Ruth Welti.

Reno County-Yoder. 37° 54'N, 97° 52'W. Center 3 mi S Yoder, KS on the Yoder-Cheney Rd. Habitat coverage: cultivated fields 75%, lakes and rivers 18%, oldfields and fencerows 5%, residential areas 2%. 19 December 1987, 7 a.m. to 4 p.m., 29° F; Wind calm; cloudy; light to heavy rain all day. Twenty-one observers in 7 parties. Total party-hours 38 (11 on foot, 27 by car). Total party-miles 275 (16 on foot, 259 by car).

American White Pelican 1 (excellent details), Great Blue Heron 4, Canada Goose 4060, Green-winged Teal 46, Mallard 1064, American Wigeon 1, Ring-necked Duck 5, Hooded Merganser 1, Bald Eagle 1, Northern Harrier 11, Sharp-shinned Hawk 1, Red-tailed Hawk 44, Ferruginous Hawk 2, Rough-legged Hawk 4, *Buteo* sp. 5, American Kestrel 37, Prairie Falcon 3, Ring-necked Pheasant 46, Northern Bobwhite 118, Killdeer 9, Common Snipe 1, Ring-billed Gull 70, Herring Gull 6, Rock Dove 57, Mourning Dove 6, Great Horned Owl 11, Belted Kingfisher 5, Red-bellied Woodpecker 13, Downy Woodpecker 23, Hairy Woodpecker 2, Northern Flicker sp. 53, Horned Lark 158, Blue Jay 113, American Crow 165, Black-capped Chickadee 102, Tufted Titmouse 1, White-breasted Nuthatch 7, Ruby-crowned Kinglet 2, Eastern Bluebird 5, American Robin 21, Loggerhead Shrike 7, European Starling 2085, Northern Cardinal 78, Rufous-sided Towhee 2, American Tree Sparrow 672, Field Sparrow 1, Song Sparrow 8, White-crowned Sparrow 38, Harris' Sparrow 1854, Dark-eyed (Slate-colored) Junco 873, Lapland Longspur 104, Red-winged Blackbird 10,128, Eastern Meadowlark 438, Western

Meadowlark 225, Rusty Blackbird 1, Common Grackle 8, Brown-headed Cowbird 11, Pine Siskin 94, American Goldfinch 278, House Sparrow 1607. Total 59 species, about 24,796 individuals. Seen in area during count period, but not on count day — Cooper's Hawk.

Gary Blevins, Mary Clark, Randy Clark, Lorena Combs, Lawrence Doughty, Dan Dyck, Ed Dyck, Jennifer Dyck, Tony Dyck, Harry Gregory, Sharron Gregory, Laura Harmon (compiler — 3002 E. 30th, Hutchinson, KS 67502), Ruth Heirm, Wayne Hochstetler, Dorothy Huntsman, Allen Jahn, Bill Langley, Bill Rogers, Kathie Rogers, Mark Rogers, Jim Smith.

Salina. 38° 50'N, 97° 38'W. Center State Street Rd 1 mi W of Ninth St. in Salina, KS. Habitat coverage: cultivated fields 27%, riparian woodland 20%, grassland 18%, oldfields and fencerows 15%, residential areas 11%, lakes and rivers 5%, coniferous stands 4%. 20 December 1987, 7 a.m. to 5 p.m., 31° to 44° F; Wind W, 5-10 m.p.h.; waters partly frozen; no snow cover, cloudy A.M., partly cloudy P.M. Twenty-three observers in 4 parties. Total party-hours 35.5 (15 on foot, 20.5 by car). Total party-miles 305 (22 on foot, 283 by car).

Great Blue Heron 1, Canada Goose 1, Bald Eagle 1, Northern Harrier 7, Cooper's Hawk 1, Red-tailed Hawk 99, *Buteo* sp. 8, American Kestrel 42, Ring-necked Pheasant 31, Greater Prairie-chicken 61, Northern Bobwhite 104, American Coot 1, Killdeer 1, Rock Dove 438, Mourning Dove 10, Great Horned Owl 6, Belted Kingfisher 1, Red-headed Woodpecker 2, Red-bellied Woodpecker 11, Yellow-bellied Sapsucker 3, Downy Woodpecker 19, Hairy Woodpecker 10, Northern (Yellow-shafted) Flicker 18, Northern (Red-shafted) Flicker 1, Horned Lark 148, Blue Jay 11, American Crow 143, Black-capped Chickadee 116, Tufted Titmouse 4, Red-breasted Nuthatch 3, White-breasted Nuthatch 10, Brown Creeper 14, Golden-crowned Kinglet 9, Ruby-crowned Kinglet 1, Eastern Bluebird 4, American Robin 2, Brown Thrasher 1, Loggerhead Shrike 2, European Starling 1079, Orange-crowned Warbler 1 (excellent details), Northern Cardinal 92, Rufous-sided Towhee 2, American Tree Sparrow 663, Song Sparrow 9, Harris' Sparrow 390, Dark-eyed (Slate-colored) Junco 256, Dark-eyed (Oregon) Junco 2, *Calcaricus* sp. 50, Red-winged Blackbird 416, *Sturnella* sp. 889, Common Grackle 1, Brown-headed Cowbird 6, Pine Siskin 90, American Goldfinch 57, House Sparrow 1023. Total 52 species (2 additional subspecies), about 6,371 individuals.

Cynthia Abbott, Stephen Burr, David and Nancy Clark, Anne, Dick, and Richard Courter, Shannon Drews-Rayl, David, Kevin, and Lisa Haight, Lori Hinde-Hall, Roy D. Hough (compiler — 1902 Lewis, Salina, KS 67401), Allen Jahn, John Karath, Brian Klostermeyer, Harold and Virginia Lear, Charles and Ivy Marsh, Donice and Tom Meylor, Marlene Stirtz, Linda Troutfetter (Smoky Hills Audubon Society and guests).

Sawyer. 37° 32'N, 98° 41'W. Center 2 mi N Sawyer, KS. Habitat coverage: riparian woodland 50%, cultivated fields 30%, grasslands 10%, lakes and rivers 5%, oldfields and fencerows 5%. 3 January 1988, 8 a.m. to 4:30 p.m., 19° to 32° F; Wind calm; still water frozen; no snow cover; clear. Nine observers in 3 parties. Total party-hours 25.5 (13.5 on foot, 12 by car). Total party-miles 95 (8 on foot, 87 by car).

Great Blue Heron 13, Canada Goose 845, Wood Duck 15, Mallard 91, Canvasback 1, Scaup sp. 3, Northern Harrier 10, Cooper's Hawk 1, Red-tailed Hawk 35, Ferruginous Hawk 1, Rough-legged Hawk 3, *Buteo* sp. 1, American Kestrel 5, Ring-necked Pheasant 26, Wild Turkey 140, Northern Bobwhite 137, American Coot 1, Common Snipe 8, Rock Dove 18, Mourning Dove 44, Great Horned Owl 1, Barred Owl 12, Belted Kingfisher 15, Red-headed Woodpecker 2, Red-bellied Woodpecker 42, Downy Woodpecker 23, Hairy Woodpecker 12, Northern (Yellow-shafted) Flicker 43, Northern (Red-shafted) Flicker 11, Horned Lark 280, Blue Jay 1, American Crow 325, Black-capped Chickadee 105, Tufted Titmouse 14, White-breasted Nuthatch 26, Brown Creeper 4, Winter Wren 4, Golden-crowned Kinglet 25, Ruby-crowned Kinglet 8, Eastern Bluebird 78, American Robin 798, Cedar Waxwing 58, Loggerhead Shrike 2, European Starling 1106, Yellow-rumped (Myrtle) Warbler 2, Northern Cardinal 29, Rufous-sided Towhee

3, American Tree Sparrow 638, Song Sparrow 17, White-throated Sparrow 1, Harris' Sparrow 212, Dark-eyed Junco ssp. 406, Red-winged Blackbird 1719, Western Meadowlark 747, Brown-headed Cowbird 40, Pine Siskin 3, American Goldfinch 112, House Sparrow 281. Total 56 species (1 additional subspecies), about 8,603 individuals. Seen in area during count period, but not on count day — Bald Eagle.

Kevin Becker, Ken Brunson (compiler — 1001 Champa, Pratt, KS 67124), Bill Hlavachick, Carol Mamoliti, Bob Mathews, Jane Queal, Lee Queal, Byron Walker, Bob Wood.

Scott Lake. 38° 35'N, 100° 56'W. Center 7 mi N junction U.S. 83 and K96. Habitat coverage: riparian woodland 40%, grassland 15%, residential areas (incl. feedlots) 10%, lakes and rivers 10%, marsh 10%, cultivated fields 10%, coniferous stands 5%. 10 January 1988, 7:30 a.m. to 4:20 p.m., 0° to 29° F; Wind WNW, 0-15 m.p.h.; still waters frozen, spring-fed marshes open; 100% snow cover; clear A.M., partly cloudy P.M. Five observers in 3 parties. Total party-hours 21.5 (13.5 on foot, 8 by car). Total party-miles 165 (11 on foot, 154 by car).

Great Blue Heron 1, Green-winged Teal 7, Mallard 172, Gadwall 1, American Wigeon 1, Common Merganser 2, Bald Eagle 2, Northern Harrier 8, Sharp-shinned Hawk 1, Red-tailed Hawk 4, Ferruginous Hawk 12, Rough-legged Hawk 6, Golden Eagle 1, American Kestrel 13, Prairie Falcon 2, Ring-necked Pheasant 40, Killdeer 2, Common Snipe 5, Rock Dove 10, Mourning Dove 1, Common Barn-owl 1, Eastern Screech-owl 1, Great Horned Owl 4, Belted Kingfisher 2, Red-bellied Woodpecker 1, Downy Woodpecker 13, Hairy Woodpecker 4, Northern (Yellow-shafted) Flicker 5, Northern (Red-shafted) Flicker 19, Northern Flicker ssp. 2, Horned Lark 70,055, Black-billed Magpie 25, American Crow 3, Black-capped Chickadee 27, White-breasted Nuthatch 4, Brown Creeper 7, Marsh Wren 2, Golden-crowned Kinglet 4, Eastern Bluebird 1, Townsend's Solitaire 2, American Robin 3, Cedar Waxwing 5, Northern Shrike 3, European Starling 1093, Northern Cardinal 7, Rufous-sided Towhee 7, American Tree Sparrow 771, Field Sparrow 1, Song Sparrow 71, Lincoln's Sparrow 2, Swamp Sparrow 1, White-throated Sparrow 1, Golden-crowned Sparrow 1 (excellent details), White-crowned Sparrow 60, Harris' Sparrow 81, Dark-eyed (Slate-colored) Junco 61, Dark-eyed (Oregon) Junco 64, Dark-eyed Junco ssp. 44, Lapland Longspur 456, Red-winged Blackbird 27, Western Meadowlark 410, Rusty Blackbird 19, Brown-headed Cowbird 2, House Finch 18, Pine Siskin 197, Lesser Goldfinch 1 (excellent details), American Goldfinch 165, House Sparrow 2255. Total 64 species (2 additional subspecies), about 76,299 individuals. Seen in area during count period, but not on count day — Virginia Rail, Red-breasted Nuthatch, Brewer's Blackbird.

Sara Norman, Dave Rintoul, Diane Seltman, Scott Seltman, Tom Shane (compiler — P. O. Box 915, Salina, KS 67402-0915).

St. Francis. 39° 43'N, 101° 52'W. Center 2.5 mi S U.S. 36 and 9.75 mi W K27. Habitat coverage: riparian woodland 30%, residential areas 20%, cultivated fields 20%, grasslands 10%, coniferous stands 10%, lakes and rivers 5%, marsh 5%. 30 December 1987, 8 a.m. to 5 p.m., 25° to 40° F; Wind SW to NW, 0-25 m.p.h.; still waters frozen, running waters open; 100% snow cover; clear in A.M., scattered in late P.M. Four observers in 1 party. Total party-hours 8 (1.5 on foot, 6.5 by car). Total party-miles 102 (1 on foot, 101 by car).

Canada Goose 331, Northern Harrier 2, Red-tailed Hawk 3, Rough-legged Hawk 1, American Kestrel 10, Ring-necked Pheasant 3, Virginia Rail 1 (excellent details), Rock Dove 14, Great Horned Owl 2, Red-bellied Woodpecker 4, Downy Woodpecker 6, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 2, Northern (Red-shafted) Flicker 8, Northern Flicker ssp. 6, Horned Lark 2901, Blue Jay 4, Black-billed Magpie 33, Black-capped Chickadee 12, White-breasted Nuthatch 6, Brown Creeper 2, Marsh Wren 2 (good details), American Robin 175, Northern Shrike 2, European Starling 156, Northern Cardinal 3, American Tree Sparrow 144, Song Sparrow 1, White-crowned Sparrow 6, Harris' Sparrow 6, Dark-eyed (Slate-colored) Junco 21, Dark-eyed (Oregon) Junco

93, Dark-eyed Junco ssp. 3, Lapland Longspur 52, Chestnut-collared Longspur 1 (good details), Red-winged Blackbird 2333, Western Meadowlark 366, Common Grackle 2, Brown-headed Cowbird 34, House Finch 18, Pine Siskin 14, American Goldfinch 30, House Sparrow 764. Total 39 species (2 additional subspecies), about 7,579 individuals.

Betsy Johnson, Sara Norman, John Palmquist, Tom Shane (compiler — P. O. Box 915, Salina, KS 67402-0915).

Stafford County. 32° 00'N, 98° 45'W. Center 7.5 mi W of the stop sign on First Street in St. John, KS. Habitat coverage: cultivated fields 80%, riparian woodland 10%, oldfields and fencerows 5%, residential areas 5%. 2 January 1988, 7:30 a.m. to 6:30 p.m., 8° to 33° F; Wind SE, 15 m.p.h.; light snow cover; no open water; clear. Ten observers in 5 parties and 7 observers at feeders. Total party-hours 12 (1 on foot, 11 by car) plus 1 hr owling and 1 hr at feeders. Total party-miles 400 (1 on foot, 399 by car) and 5 miles owling.

Bald Eagle 1, Northern Harrier 17, Red-tailed (Harlan's) Hawk 1, Ferruginous Hawk 2, Rough-legged Hawk 8, American Kestrel 21, Prairie Falcon 1, Ring-necked Pheasant 7, Wild Turkey 50, Northern Bobwhite 52, Rock Dove 9, Mourning Dove 5, Great Horned Owl 6, Red-bellied Woodpecker 2, Downy Woodpecker 4, Hairy Woodpecker 6, Northern Flicker ssp. 15, Horned Lark 129, Blue Jay 14, Black-billed Magpie 10, American Crow 186, Black-capped Chickadee 28, American Robin 13, European Starling 269, Northern Cardinal 28, Rufous-sided Towhee 2, American Tree Sparrow 384, Harris' Sparrow 70, Dark-eyed Junco ssp. 20, Red-winged Blackbird 300, Western Meadowlark 472, Brewer's Blackbird 20, Common Grackle 57, Purple Finch 17, Pine Siskin 15, American Goldfinch 38, House Sparrow 169. Total 37 species, about 2,448 individuals. Seen in area during count period, but not on count day — Canada Goose, Loggerhead Shrike.

Gene and Jean Barr, Keith Blide, Lucille Blide, Twila Bookstore, Justin Bookstore, Kevin Courtney, Micki Courtney, Amy Keller, Sherry Keller, Roger Russell, Virginia Russell, Ryan Russell, Trudy Smith, Jake Tanner, Judy Tanner (compiler — Rt. 1, Box 85, St. John, KS 67576), Molly Tanner.

Syracuse. 38° 00'N, 101° 52'W. Center 7 mi W, 1 mi N Syracuse, KS. Habitat coverage: riparian woodland 50%, residential areas 20%, cultivated fields 10%, grassland 10%, lakes and rivers 5%, marsh 5%. 20 December 1987, 7:45 a.m. to 5:15 p.m., 28° to 42° F; Wind variable, 0-10 m.p.h.; waters mostly open; 0-2" snow cover; partly cloudy. Six observers in 2 parties. Total party-hours 18.5 (4.5 on foot, 14 by car). Total party-miles 222 (6 on foot, 216 by car).

Great Blue Heron 2, Canada Goose 8, Wood Duck 1 (good details), Mallard 5, Bald Eagle 1, Northern Harrier 25, Sharp-shinned Hawk 1, Cooper's Hawk 1, Red-tailed Hawk 23, Ferruginous Hawk 11, Rough-legged Hawk 6, Golden Eagle 5, American Kestrel 27, Prairie Falcon 6, Ring-necked Pheasant 7, Northern Bobwhite 73, Scaled Quail 2, Sora 1 (excellent details), Rock Dove 113, Eastern Screech-owl 2, Great Horned Owl 6, Red-bellied Woodpecker 3, Downy Woodpecker 9, Hairy Woodpecker 5, Northern (Yellow-shafted) Flicker 4, Northern (Red-shafted) Flicker 58, Horned Lark 332, Blue Jay 11, Black-billed Magpie 320, American Crow 100, Black-capped Chickadee 11, Bushtit 9 (excellent details), Red-breasted Nuthatch 2, Brown Creeper 3, Golden-crowned Kinglet 2, Eastern Bluebird 25, Townsend's Solitaire 3, American Robin 5, Cedar Waxwing 25, Northern Shrike 1, European Starling 328, Rufous-sided Towhee 3, American Tree Sparrow 185, Song Sparrow 12, White-crowned Sparrow 35, Harris' Sparrow 8, Dark-eyed (Slate-colored) Junco 51, Dark-eyed (Oregon) Junco 180, Lapland Longspur 34, Red-winged Blackbird 50, Western Meadowlark 500, Brewer's Blackbird 144, Common Grackle 2, House Finch 90, Pine Siskin 32, American Goldfinch 104, Evening Grosbeak 1 (good details), House Sparrow 780. Total 56 species (2 additional subspecies), about 3,793 individuals.

Mick McHugh, Sara Norman, Sebastian Patti, Mike Rader, Scott Seltman (compiler — RR, Nekoma, KS 67559), Tom Shane.

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%. 19 December 1987, 7:15 a.m. to 5 p.m., 38° to 39° F; Wind N, 5-10 m.p.h.; waters mostly open; snow cover; overcast with rain continuing from 10:30 a.m., fog. Thirty-two observers in 13 parties and 9 observers at feeders. Total party-hours 84 (34 on foot, 50 by car) plus 25 hrs at feeders. Total party-miles 441.5 (32.5 on foot, 409 by car).

Pied-billed Grebe 1, Western Grebe 1 (excellent details), Great Blue Heron 2, Canada Goose 123, Mallard 172, Northern Shoveler 6, Gadwall 26, Ring-necked Duck 134, Common Goldeneye 15, Bufflehead 2, Common Merganser 27, Ruddy Duck 3, Northern Harrier 2, Red-tailed Hawk 43, Rough-legged Hawk 1, American Kestrel 34, Ring-necked Pheasant 15, Northern Bobwhite 17, American Coot 5, Killdeer 8, Common Snipe 1, Ring-billed Gull 19, Rock Dove 206, Mourning Dove 206, Eastern Screech-owl 3, Great Horned Owl 10, Barred Owl 1, Belted Kingfisher 16, Red-headed Woodpecker 34, Red-bellied Woodpecker 65, Yellow-bellied Sapsucker 5, Downy Woodpecker 77, Hairy Woodpecker 15, Northern (Yellow-shafted) Flicker 50, Horned Lark 40, Blue Jay 402, American Crow 224, Black-capped Chickadee 354, Tufted Titmouse 67, Red-breasted Nuthatch 2, White-breasted Nuthatch 25, Brown Creeper 6, Golden-crowned Kinglet 5, Ruby-crowned Kinglet 1, Eastern Bluebird 40, American Robin 1342, Northern Mockingbird 2, Cedar Waxwing 353, Loggerhead Shrike 3, European Starling 20,010, Northern Cardinal 328, Rufous-sided Towhee 4, American Tree Sparrow 183, Field Sparrow 2, Song Sparrow 35, Lincoln's Sparrow 1, White-throated Sparrow 3, White-crowned Sparrow 15, Harris' Sparrow 172, Dark-eyed (Slate-colored) Junco 1074, Dark-eyed (Oregon) Junco 7, Red-winged Blackbird 242, Eastern Meadowlark 66, Western Meadowlark 2, *Sturnella* sp. 129, Rusty Blackbird 2, Brewer's Blackbird 2, Common Grackle 340, Brown-headed Cowbird 104, Purple Finch 4, Pine Siskin 76, American Goldfinch 255, House Sparrow 1106. Total 71 species (1 additional subspecies), about 28,373 individuals. Seen in area during count period, but not on count day — Canvasback, Lesser Scaup, Northern (Red-shafted) Flicker, Carolina Wren.

Jim and Joanne Brier, Scott Campbell, Artie Coop, Arline and Robert Delker, Richard Dixon, James Finn, Robert Foster, Barney and Betty Gilmer, Dan Gish, Robert Glazier, Dean Grisell, Gwen Haegert, Dorothy Harvey, Marge Heeney, Phyllis Henney, Scotty Johnson, Anne Kimmel, Dan Larson, E. M. and E. R. Lewis (compiler — 1285 MacVicar, Topeka, KS 66604), Donna Mall, Sarah Merrill, Kathy McDowell, Audrey Miller, Linda and Robert Papp, Joanne Ramberg, Leah Roberts, Alverna and Lloyd Robinson, John Row, Laura Sember, Pat Stein, Donna Vausbinder, Marie Wadleigh, Eugene Willett, Lil and Paul Willis.

Udall-Winfield. 37° 16'N, 96° 59'W. Center water tower at Winfield State Training School. Habitat coverage: upland deciduous forest 40%, grassland 23%, cultivated fields 20%, riparian forest 10%, residential areas 4%, lakes and rivers 3%. 20 December 1987, 8 a.m. to 5 p.m., 30° to 41° F; Wind NNE, 6 m.p.h.; waters mostly open, light snow cover, clear. Thirteen observers in 6 parties and 2 observers at feeders. Total party-hours 44 (10 on foot, 34 by car) plus 4 hrs owling and 3 hrs at feeders. Total party-miles 485 (9 on foot, 476 by car) and 32 miles owling.

Pied-billed Grebe 2, Double-crested Cormorant 1, Great Blue Heron 6, Canada Goose 1, Wood Duck 1, Green-winged Teal 3, Mallard 84, Gadwall 43, American Wigeon 7, Common Goldeneye 53, Hooded Merganser 5, Common Merganser 37, Bald Eagle 1, Northern Harrier 35, Sharp-shinned Hawk 1, Red-tailed Hawk 120, Red-tailed (Harlan's) Hawk 3, American Kestrel 73, Merlin 1, Greater Prairie-chicken 20, Wild Turkey 23, Northern Bobwhite 157, Common Snipe 1, Ring-billed Gull 5, Rock Dove 130, Mourning Dove 51, Eastern Screech-owl 5, Great Horned Owl 16, Barred Owl 10, Belted Kingfisher 10, Red-headed Woodpecker 9, Red-bellied Woodpecker 41, Yellow-bellied Sapsucker 1, Downy Woodpecker 37, Hairy Woodpecker 3, Northern (Yellow-shafted) Flicker 49, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 26, Horned Lark 431, Blue Jay 130, American Crow 242, Black-capped Chickadee 119, Carolina

Chickadee 108, Tufted Titmouse 45, Red-breasted Nuthatch 5, White-breasted Nuthatch 18, Brown Creeper 3, Carolina Wren 6, Bewick's Wren 8, Winter Wren 3, Golden-crowned Kinglet 31, Ruby-crowned Kinglet 2, Eastern Bluebird 16, American Robin 84, Northern Mockingbird 17, Loggerhead Shrike 13, European Starling 1778, Yellow-rumped (Myrtle) Warbler 5, Northern Cardinal 203, Rufous-sided Towhee 2, American Tree Sparrow 2065, Field Sparrow 14, Fox Sparrow 3, Song Sparrow 245, Lincoln's Sparrow 1, Swamp Sparrow 10, White-throated Sparrow 1, White-crowned Sparrow 10, Harris' Sparrow 1815, Dark-eyed (Slate-colored) Junco 293, Dark-eyed (Oregon) Junco 18, Dark-eyed Junco ssp. 1646, Red-winged Blackbird 3991, Eastern Meadowlark 2, Western Meadowlark 2, *Sturnella* sp. 1187, Rusty Blackbird 23, Brewer's Blackbird 605, Common Grackle 32, Brown-headed Cowbird 50, Purple Finch 1, Pine Siskin 52, American Goldfinch 659, House Sparrow 1067. Total 78 species (3 additional subspecies), about 18,135 individuals.

Duane and Betty Anderson, James Barnes, Wallace Champeny, Janet Laws, Mike Lesan, Max Thompson (compiler — 1729 E. 11th, Winfield, KS 67156), Gerald Wiens, Agnes and Ross Williams, Donna Wilt, Robert Wimmer, Eugene 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%. 19 December 1987, 8 a.m. to 5 p.m., 38° to 41° F; Wind SE, 0-5 m.p.h.; waters partly frozen; intermittent rain. Sixteen observers in 6 parties and 2 observers at feeders. Total party-hours 45 (15 on foot, 30 by car) plus 8 hrs at feeders. Total party-miles 259(18 on foot, 241 by car).

Pied-billed Grebe 5, Great Blue Heron 8, Greater White-fronted Goose 1, Canada Goose 2788, Wood Duck 2, Green-winged Teal 19, Mallard 865, Northern Shoveler 30, Gadwall 191, American Wigeon 30, Canvasback 37, Redhead 6, Ring-necked Duck 42, Lesser Scaup 9, Common Goldeneye 89, Bufflehead 13, Hooded Merganser 6, Common Merganser 2, Ruddy Duck 1, Sharp-shinned Hawk 1, Cooper's Hawk 2, Red-tailed Hawk 30, Red-tailed (Harlan's) Hawk 1, American Kestrel 13, Ring-necked Pheasant 16, Wild Turkey 3, American Coot 143, Killdeer 4, Common Snipe 8, Ring-billed Gull 2040, Rock Dove 875, Mourning Dove 47, Inca Dove 1 (excellent details), Great Horned Owl 6, Belted Kingfisher 10, Red-bellied Woodpecker 3, Downy Woodpecker 14, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 8, Northern (Red-shafted) Flicker 1, Northern Flicker ssp. 14, Horned Lark 66, Blue Jay 76, American Crow 13,920, Black-capped Chickadee 70, Tufted Titmouse 11, Red-breasted Nuthatch 4, White-breasted Nuthatch 5, Brown Creeper 7, Carolina Wren 3, Bewick's Wren 1, Golden-crowned Kinglet 26, Ruby-crowned Kinglet 2, American Robin 10, Northern Mockingbird 3, Brown Thrasher 1, European Starling 3434, Yellow-rumped (Myrtle) Warbler 1, Northern Cardinal 133, Rufous-sided Towhee 10, American Tree Sparrow 293, Field Sparrow 3, Song Sparrow 29, Lincoln's Sparrow 2, Swamp Sparrow 2, White-throated Sparrow 43, White-crowned Sparrow 1, Harris' Sparrow 414, Dark-eyed (Slate-colored) Junco 400, Red-winged Blackbird 3650, Eastern Meadowlark 1, Western Meadowlark 2, *Sturnella* sp. 88, Rusty Blackbird 6, Brewer's Blackbird 1, Great-tailed Grackle 1120, Common Grackle 225, Pine Siskin 7, American Goldfinch 85, House Sparrow 924. Total 76 species (2 additional subspecies), about 32,465 individuals.

Wallace Champeny (compiler — RR 1, Oxford, KS 67119), Rick Goodrick, Bob Gress, Joanne Hackerott, Bev and Ruth Hodges, Dan Kilby, Mike Lesan, Dale Randall, Jean and Miriam Roark, Eddie and Savilla Stegall, Don Vannoy, Gerald Wiens, Ralph Wiley.

Wilson County. 37° 37'N, 95° 45'W. Center Benedict, KS. Habitat coverage: riparian forest 35%, lakes and rivers 20%, grassland 15%, oldfields and fencerows 15%, cultivated fields 5%, upland deciduous forest 5%, residential areas 3%, coniferous stands 2%. 2 January 1988, 6:30 a.m. to 5 p.m., 16° to 32° F; Wind calm to SE, 5 m.p.h.; waters mostly frozen; 2" ice and snow cover; clear. One observer in 1 party and 2 observers at feeders. Total party-hours 10 (5 on foot, 5 by car) plus 0.5 hrs owling and 6 hrs at feeders. Total party-miles 142 (6 on foot, 136 by car) and 15 miles owling.

Great Blue Heron 1, Canada Goose 30, Mallard 25, American Wigeon 1, Northern

Harrier 7, Cooper's Hawk 1, Red-tailed Hawk 32, Rough-legged Hawk 1, American Kestrel 17, Wild Turkey 13, Northern Bobwhite 10, Rock Dove 7, Mourning Dove 2, Great Horned Owl 3, Barred Owl 2, Belted Kingfisher 3, Red-bellied Woodpecker 10, Yellow-bellied Sapsucker 1, Downy Woodpecker 4, Hairy Woodpecker 3, Northern (Yellow-shafted) Flicker 12, Northern (Red-shafted) Flicker 1, Pileated Woodpecker 1, Horned Lark 5, Blue Jay 40, American Crow 20, Black-capped Chickadee 5, Carolina Chickadee 8, Tufted Titmouse 6, White-breasted Nuthatch 3, Brown Creeper 1, Eastern Bluebird 51, American Robin 35, Northern Mockingbird 1, Cedar Waxwing 3, Loggerhead Shrike 5, European Starling 367, Northern Cardinal 72, Rufous-sided Towhee 4, American Tree Sparrow 136, Song Sparrow 2, Lincoln's Sparrow 2, White-throated Sparrow 1, White-crowned Sparrow 13, Harris' Sparrow 132, Dark-eyed (Slate-colored) Junco 80, Dark-eyed Junco ssp. 10, Red-winged Blackbird 6825, Eastern Meadowlark 260, Brewer's Blackbird 5, Common Grackle 2, Brown-headed Cowbird 210, Pine Siskin 17, American Goldfinch 97, House Sparrow 122. Total 53 species (1 additional subspecies), about 8,727 individuals.

Tom Cannon (compiler — 908 Meadowbrook Rd., Iola, KS 66749), Howard and Julia Stonebraker.

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%. 28 December 1987, 7:30 a.m. to 5 p.m., 23° to 30° F; Wind NW, 5-15 m.p.h.; waters mostly open; 2" snow cover; partly cloudy A.M., overcast P.M. Four observers in 2 parties. Total party-hours 19 (9 on foot, 10 by car). Total party-miles 185 (10 on foot, 175 by car).

American White Pelican 3 (good details), Great Blue Heron 3, Canada Goose 255, Green-winged Teal 19, Mallard 978, Northern Shoveler 5, Gadwall 9, American Wigeon 25, Canvasback 1, Redhead 5, Oldsquaw 1 (excellent details), Common Goldeneye 2, Common Merganser 7, Bald Eagle 3, Northern Harrier 12, Sharp-shinned Hawk 1, Red-tailed Hawk 27, American Kestrel 11, Prairie Falcon 2, Ring-necked Pheasant 24, Greater Prairie-chicken 23, American Coot 2, Common Snipe 4, Ring-billed Gull 26, Herring Gull 2, Rock Dove 3, Mourning Dove 11, Great Horned Owl 2, Long-eared Owl 1, Belted Kingfisher 4, Red-bellied Woodpecker 7, Downy Woodpecker 4, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 12, Northern (Red-shafted) Flicker 2, Horned Lark 1033, Blue Jay 2, Black-billed Magpie 1, American Crow 65, Black-capped Chickadee 21, Marsh Wren 1, Golden-crowned Kinglet 11, Townsend's Solitaire 2, American Robin 34, Loggerhead Shrike 1, European Starling 246, Northern Cardinal 21, Rufous-sided Towhee 1, American Tree Sparrow 981, Song Sparrow 3, White-crowned Sparrow 2, Harris' Sparrow 266, Dark-eyed (Slate-colored) Junco 70, Dark-eyed (Oregon) Junco 2, Dark-eyed Junco ssp. 8, Lapland Longspur 51, Red-winged Blackbird 4063, Western Meadowlark 109, Rusty Blackbird 1, American Goldfinch 143, Evening Grosbeak 15 (excellent details), House Sparrow 70. Total 59 species (2 additional subspecies), about 8,720 individuals.

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

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