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THE WINTER BIRD COUNT FOR 1989

John L. Zimmerman

Thanks to the leadership of Helen Hands, Cheyenne Bottoms has reappeared in the set of Kansas winter bird counts after too long an absence. Yet the 31 counts this year is a total number that has not been lower since the beginning of the decade. Coupled with this decline is a reduction in the number of participants at 547, which is especially noticeable after last year's record 671. I thought this might be a reflection of the bitter cold associated with the early count period so I compared the numbers of participants in the 16 counts that were held on days during which the temperature never got above freezing (and for most of these, the count started at temperatures near -15°F) to their participant numbers last year. Although there was no significant difference in the mean numbers of participants, 75% of these counts had fewer participants than last year. When I did the same analysis for the 15 counts that were conducted this year on days during which temperatures were above freezing for part of the day (and several were held on almost balmy days), about half the counts had decreased participation and half either increased or were the same. So I think the cold temperatures had an effect. The impact of decreased counters was lessened by the participation of many persons in more than one count. I believe it is worthy of note that Galen Pittman, Mike Rader, Scott Seltman, and Phil Wedge each participated in at least five different counts during the period.

Yet a record of 148 species was set this year. The previous high of 147 species was in 1982 when, interestingly enough, the total number of counts was one less than this year. Two new species were added to the winter count list, one on the Baldwin City count where Calvin Cink and Tony Ichenberry discovered three Ruffed Grouse on the east side of the Douglas County State Fishing Lake and the other on the Halstead-Newton count where Joe Yoder found a Western Bluebird in a flock of ten Eastern Bluebirds. This latter observation was supported by good details; but unfortunately he was alone when he saw this species which would be new to the Kansas list.

Even though water conditions were reported by compilers as "mostly frozen" at best, resulting in lower numbers of waterfowl, some counts still found at least ten species of ducks and geese — Baxter Springs, Junction City, Lawrence, Linn County, Manhattan, Olathe, Oskaloosa-Perry Lake. And Wichita came in with 17 species. Udall-Winfield, which usually does well with waterfowl, had only 9 species; but nevertheless, found the greatest variety in the state this year with 85 species on count day.

It is not unusual that the Cimarron National Grasslands had eight species that were found on no other count, yet some of the species discovered are worth noting. Remnants of the autumnal invasion of Steller's and Scrub Jays were still present (Scrub Jays were also present during the count period at Garden City), and Point-of-Rocks sheltered a single Rufous-crowned Sparrow and two Canyon Towhees. Sebastian Patti reported that the former had only been found once before and the latter only twice before on winter bird counts. Another Golden-crowned Sparrow turned up this year, this time at Lucas Park on the Wilson Reservoir count, and was supported by excellent details provided by Jim Piland and Tom Cannon. For the second time in the 41 year history of the Kansas counts, Brewer's Sparrows were identified; this time at Dodge City, but no

details were provided. Dodge City actually was second in the number of unique species, also reporting Northern Goshawk and Snow Bunting without details. An Inca Dove was again found in Wichita. An Orange-crowned Warbler and the usual flock of Smith's Longspurs were at Emporia. Cedar Bluff not only had super weather, they found a Bohemian Waxwing as well (a species also seen during count week at Garden City). Junction City had Red Crossbills and a Northern Saw-whet Owl. Quivira National Wildlife Refuge reported a Greater Scaup and a single Yellow-headed Blackbird. Other unique species were American White Pelicans at Manhattan, Cinnamon Teal at Garden City, Red-breasted Merganser at Lawrence, and a Hermit Thrush on the Arkansas City count. The diligent efforts of the LaShelle brothers also resulted in White-winged Scoter and American Pipit being reported for the count period at Junction City.

Many species deserve comment, but I can choose only a few — Tundra Swans at Cimarron National Grasslands and Udall-Winfield (and perhaps at Lawrence), Wild Turkeys on 47% of the counts, Northern Shrikes on seven counts from Cimarron National Grasslands and Scott Lake on the west to Olathe on the east, House Finches on 55% of the counts, and Common Redpolls at Garden City, Wichita, and during the count period at Halstead-Newton.

Arkansas City. 37° 02'N, 97° 02'W. Center intersection U.S. 77 and Arkansas River. Habitat coverage: riparian forest 30%, oldfields and fencerows 21%, cultivated fields 13%, lakes and rivers 12%, residential areas 9%, grasslands 7%, upland deciduous forest 4%, coniferous stands 4%. 23 December 1989, 7:30 a.m. to 5 p.m., -13° to 10°F; Wind S, 1-10 m.p.h.; waters partly open. Fifteen observers in 7 parties and 1 observer at feeders. Total party-hours 43 (19 on foot, 24 by car) plus 0.5 hrs owling and 1.5 hrs at feeders. Total party-miles 267 (18 on foot, 249 by car) and 0.5 miles owling.

Great Blue Heron 24, Canada Goose 685, Mallard 118, Gadwall 10, Redhead 2, Common Goldeneye 50, Bald Eagle 9, Northern Harrier 17, Sharp-shinned Hawk 2, Red-tailed Hawk 83, Rough-legged Hawk 4, Golden Eagle 1, American Kestrel 24, Merlin 1, Prairie Falcon 1, Ring-necked Pheasant 15, Northern Bobwhite 35, Killdeer 2, Common Snipe 3, Ring-billed Gull 23, Rock Dove 184, Mourning Dove 63, Great Horned Owl 7, Barred Owl 2, Belted Kingfisher 4, Red-headed Woodpecker 8, Red-bellied Woodpecker 63, Yellow-bellied Sapsucker 2, Downy Woodpecker 54, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 52, Northern (Red-shafted) Flicker 4, Northern Flicker ssp. 26, Pileated Woodpecker 4, Horned Lark 1330, Blue Jay 131, American Crow 270, Carolina Chickadee 257, Tufted Titmouse 80, Red-breasted Nuthatch 1, White-breasted Nuthatch 26, Brown Creeper 8, Carolina Wren 9, Winter Wren 4, Golden-crowned Kinglet 13, Eastern Bluebird 30, Hermit Thrush 2, American Robin 114, Northern Mockingbird 5, Brown Thrasher 1, Cedar Waxwing 20, Loggerhead Shrike 5, European Starling 771, Yellow-rumped (Myrtle) Warbler 2, Northern Cardinal 381, Rufous-sided Towhee 4, American Tree Sparrow 1215, Field Sparrow 1, Song Sparrow 38, White-throated Sparrow 1, White-crowned Sparrow 8, Harris' Sparrow 1594, Dark-eyed (Slate-colored) Junco 1286, Dark-eyed (Oregon) Junco 2, Lapland Longspur 265, Red-winged Blackbird 1310, Eastern Meadowlark 1, Western Meadowlark 1, *Sturnella* sp. 503, Rusty Blackbird 50, Brewer's Blackbird 320, Brown-headed Cowbird 257, Purple Finch 2, House Finch 2, Pine Siskin 2, American Goldfinch 379, House Sparrow 755. Total 73 species (2 additional subspecies), about 13,040 individuals.

Wallace Champeny, Elaine Corder, Mark Corder, Beverly DuGay, Rick Goodrick, Rex Herndon, Pete Janzen, Mike Lesan, Len Potts, Jean Roark, Miriam Roark, Eddie Stegall, Savilla Stegall, Donald Vannoy (compiler — 2458 Coolidge, Wichita, KS, 67204), Gerald Wiens.

Baldwin. 38° 47'N, 95° 16'W. Center junction U.S. 56 and U.S. 59. Habitat coverage: riparian forest 20%, cultivated fields 20%, oldfields and fencerows 15%, grasslands 15%, upland deciduous forest 10%, lakes and rivers 10%, residential areas 5%, coniferous stands 5%. 17 December 1989, 6 a.m. to 5 p.m., 8° to 22°F; Wind SW, 5-10 m.p.h.; waters mostly frozen, partly cloudy, 4 inches of snow cover. Seventeen observers in 7

parties and 2 observers at feeders. Total party-hours 51 (5.5 on foot, 45.5 by car) plus 2 hrs owling and 12 hrs at feeders. Total party-miles 421 (11 on foot, 410 by car) and 20 miles owling.

Great Blue Heron 1, Canada Goose 97, Green-winged Teal 12, Mallard 1, Common Merganser 24, Northern Harrier 16, Sharp-shinned Hawk 4, Cooper's Hawk 2, Red-tailed Hawk 147, Rough-legged Hawk 1, American Kestrel 34, Prairie Falcon 1, Ruffed Grouse 3 (excellent details — Ed.), Northern Bobwhite 44, Ring-billed Gull 1, Rock Dove 23, Mourning Dove 89, Barn Owl 5, Eastern Screech-owl 5, Great Horned Owl 23, Barred Owl 5, Long-eared Owl 2, Short-eared Owl 2, Belted Kingfisher 4, Red-headed Woodpecker 16, Red-bellied Woodpecker 80, Yellow-bellied Sapsucker 3, Downy Woodpecker 75, Hairy Woodpecker 16, Northern (Yellow-shafted) Flicker 49, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 21, Horned Lark 260, Blue Jay 302, American Crow 420, Black-capped Chickadee 448, Tufted Titmouse 216, Red-breasted Nuthatch 3, White-breasted Nuthatch 60, Brown Creeper 9, Carolina Wren 9, Winter Wren 1, Golden-crowned Kinglet 16, Eastern Bluebird 78, American Robin 251, Northern Mockingbird 9, Cedar Waxwing 187, Loggerhead Shrike 11, European Starling 959, Northern Cardinal 537, Rufous-sided Towhee 4, American Tree Sparrow 897, Fox Sparrow 11, Song Sparrow 55, Lincoln's Sparrow 1, Swamp Sparrow 24, White-throated Sparrow 8, White-crowned Sparrow 32, Harris' Sparrow 158, Dark-eyed (Slate-colored) Junco 141, Dark-eyed (Oregon) Junco 4, Dark-eyed Junco ssp. 1030, Lapland Longspur 30, Red-winged Blackbird 659, *Sturnella* sp. 600, Rusty Blackbird 15, Brewer's Blackbird 1, Brown-headed Cowbird 360, Purple Finch, 17, House Finch 7, Pine Siskin 126, American Goldfinch 509, Evening Grosbeak 1, House Sparrow 1333. Total 69 species (2 additional subspecies), about 10,608 individuals. Seen in area during count period, but not on count day — Brown Thrasher, Common Grackle, Red Crossbill.

Genny Agin, Margaret and Roger Boyd (compiler — Biology Dept., Baker Univ., Baldwin City, KS, 66006), Calvin Cink, Steve Crawford, Linda and Pete Dunne, Chickie Hood, Scott and Tony Ikenberry, Gary Keehn, Katharine Kelley, Greg Kramos, Jane Morris, Win Osborn, Martin Pressgrove, Ruth Scott (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%, swamps 5%, marsh 5%, upland deciduous forest 4%, grasslands 3%, residential areas 2%, coniferous stands 1%. 23 December 1989, 7:30 a.m. to 5:30 p.m., -9° to 13°F; Wind SSW, 0-1 m.p.h.; lakes and rivers <1% open; snow cover 60%, clear. Two observers in 1 party. Total party-hours 9.5 (8 on foot, 1.5 by car) plus 0.5 hrs at feeders. Total party-miles 60 (10 on foot, 50 by car).

Great Blue Heron 2, Snow Goose (white morph) 30, Snow Goose (blue morph) 19, Canada Goose 419, American Black Duck 1, Mallard 40, Gadwall 2, Redhead 1, Ring-necked Duck 5, Lesser Scaup 2, Common Goldeneye 6, Common Merganser 4, Bald Eagle 2, Northern Harrier 3, Red-shouldered Hawk 3, Red-tailed Hawk 11, American Kestrel 7, Killdeer 1, Rock Dove 2, Mourning Dove 2, Great Horned Owl 2, Barred Owl 1, Belted Kingfisher 3, Red-headed Woodpecker 3, Red-bellied Woodpecker 22, Yellow-bellied Sapsucker 3, Downy Woodpecker 15, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 13, Pileated Woodpecker 4, Blue Jay 30, American Crow 20, Carolina Chickadee 33, Tufted Titmouse 16, White-breasted Nuthatch 9, Brown Creeper 1, Carolina Wren 7, Golden-crowned Kinglet 1, Eastern Bluebird 12, American Robin 1, Northern Mockingbird 3, Brown Thrasher 2, Loggerhead Shrike 1, European Starling 170, Northern Cardinal 115, American Tree Sparrow 10, Fox Sparrow 25, Song Sparrow 82, Lincoln's Sparrow 1, Swamp Sparrow 29, White-throated Sparrow 18, Dark-eyed (Slate-colored) Junco 68, Red-winged Blackbird 518, *Sturnella* sp. 6, Common Grackle 10,295, Brown-headed Cowbird 15, Purple Finch 3, Pine Siskin 4, American Goldfinch 65, House Sparrow 36. Total 59 species, about 12,225 individuals.

James D. Rising (compiler — Dept. Zoology, Univ. Toronto, Toronto, ONT, Canada M5S 1A1), Trudy L. Rising.

Byron Walker Wildlife Management Area. 37° 36'N, 98° 16'W. Center headquarters of the Byron Walker Wildlife Management Area. Habitat coverage: cultivated fields 40%, riparian woodland 20%, lakes and rivers 15%, marsh 15%, grasslands 10%. 2 January 1990, 7:30 a.m. to 5:30 p.m., 28° to 52°F; Wind S, 15-20 m.p.h.; clear A.M., cloudy P.M. Eight observers in 2 parties. Total party-hours 12 (3 on foot, 9 by car). Total party-miles 123 (5 on foot, 118 by car).

Great Blue Heron 7, Canada Goose 4434, Green-winged Teal 17, Mallard 112, Northern Pintail 1, Common Merganser 15, Northern Harrier 22, Red-tailed Hawk 20, Rough-legged Hawk 4, Golden Eagle 1, American Kestrel 13, Ring-necked Pheasant 8, Northern Bobwhite 6, Ring-billed Gull 3, Rock Dove 9, Great Horned Owl 1, Red-bellied Woodpecker 4, Downy Woodpecker 2, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 7, Horned Lark 117, American Crow 90, Black-capped Chickadee 24, White-breasted Nuthatch 2, Brown Creeper 1, Eastern Bluebird 40, Townsend's Solitaire 1, American Robin 12, Cedar Waxwing 20, Loggerhead Shrike 1, European Starling 371, Northern Cardinal 27, Rufous-sided Towhee 1, American Tree Sparrow 185, Field Sparrow 1, Song Sparrow 8, Lincoln's Sparrow 1, White-crowned Sparrow 1, Harris' Sparrow 220, Dark-eyed (Slate-colored) Junco 160, Dark-eyed (Oregon) Junco 13, Red-winged Blackbird 9633, Eastern Meadowlark 97, Western Meadowlark 45, Pine Siskin 26, American Goldfinch 38, House Sparrow 89. Total 46 species (1 additional subspecies), about 15,911 individuals. Seen in area during count period, but not on count day — Bald Eagle, Wild Turkey, Belted Kingfisher.

Ken Brunson, Bill Frye, Letha Frye, Wilma Hawkins, Julie Krehbiel, Byron Walker (compiler — 235 West Copeland, Kingman, KS, 67068), June Walker, Bob Wood.

Camp Naish, Wyandotte Co. 39° 04'N, 94° 52'W. Center corner of sections 21, 22, 27, and 28, T11S, R23E. Habitat coverage: upland deciduous forest 40%, riparian forest 40%, oldfields and fencerows 10%, grasslands 5%, residential areas 3%, swamp 1%, lakes and rivers 1%. 30 December 1989, 6:30 a.m. to 5 p.m., 28° to 32°F; Wind NW, about 12 m.p.h.; overcast with light freezing mist, 2% snow cover, 90% ice cover. Four observers in 1 party. Total party-hours 8.5 (7.5 on foot, 1 by car) plus 1 hr. owling. Total party-miles 9 (8 on foot, 1 by car) and 1.5 miles owling.

Mallard 1, Red-tailed Hawk 2, Rock Dove 18, Eastern Screech-owl 2, Great Horned Owl 2, Red-bellied Woodpecker 10, Downy Woodpecker 10, Hairy Woodpecker 4, Northern Flicker ssp. 6, Blue Jay 15, American Crow 16, Black-capped Chickadee 32, Tufted Titmouse 40, White-breasted Nuthatch 9, Brown Creeper 4, Carolina Wren 3, Cedar Waxwing 17, European Starling 58, Northern Cardinal 12, White-throated Sparrow 2, Dark-eyed Junco ssp. 62, American Goldfinch 1, House Sparrow 8. Total 23 species, about 334 individuals.

Melissa Goldman, David Reber, Stan Roth (compiler — Lawrence High School, 1901 Louisiana St., Lawrence, KS, 66046-2999), 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%, coniferous stands 25%, cultivated fields 15%, oldfields and fencerows 10%, grassland 10%, lakes and rivers 10%. 7 January 1990, 7 a.m. to 5 p.m., 20° to 50°F; Wind S, 0-15 m.p.h.; lakes frozen, other waters mostly frozen, 0 to 3 inches snow cover, clear. Seven observers in 4 parties. Total party-hours 32 (13 on foot, 19 by car) plus 0.75 hrs owling. Total party-miles 334 (16 on foot, 318 by car) and 2 miles owling.

Canada Goose 800, Mallard 350, Northern Pintail 1, American Wigeon 1, Bald Eagle 1, Northern Harrier 18, Sharp-shinned Hawk 1, Cooper's Hawk 1, Red-tailed Hawk 24, Ferruginous Hawk 3, Rough-legged Hawk 3, Golden Eagle 4, American Kestrel 16, Merlin 1, Prairie Falcon 1, Ring-necked Pheasant 9, Rock Dove 19, Eastern Screech-owl 9, Great Horned Owl 20, Long-eared Owl 4, Short-eared Owl 12, Red-bellied Woodpecker 1, Downy Woodpecker 30, Hairy Woodpecker 8, Northern (Yellow-shafted) Flicker 5, Northern (Red-shafted) Flicker 14, Northern Flicker ssp. 33, Horned Lark 572, Blue Jay 1, Black-billed Magpie 67, American Crow 28, Black-capped Chickadee 97,

White-breasted Nuthatch 19, Eastern Bluebird 11, Mountain Bluebird 70, Townsend's Solitaire 15, American Robin 104, Bohemian Waxwing 1 (excellent details — Ed.), Cedar Waxwing 85, Northern Shrike 2, European Starling 250, Northern Cardinal 1, Rufous-sided Towhee 5, American Tree Sparrow 800, Song Sparrow 18, White-throated Sparrow 3, White-crowned Sparrow 17, Harris' Sparrow 193, Dark-eyed (Slate-colored) Junco 317, Dark-eyed (Oregon) Junco 58, Dark-eyed Junco ssp. 112, Lapland Longspur 100, Red-winged Blackbird 670, Western Meadowlark 280, Brown-headed Cowbird 9, Pine Siskin 36, American Goldfinch 55, Evening Grosbeak 7, House Sparrow 350. Total 55 species (2 additional subspecies), about 5,742 individuals.

Dan LaShelle, Galen Pittman, Mike Rader, Scott Seltman (compiler — RR, Box 36, Nekoma, KS, 67559), Sara Shane, Tom Shane, Phil Wedge.

Cheyenne Bottoms Wildlife Management Area. 38° 28'N, 98° 39'W. Non-circular area to include only CBWMA. Habitat coverage: grasslands 40%, oldfields and fencerows 36%, marsh 24%. 3 January 1990. 7:45 a.m. to noon, 35° to 40°F; Wind SSW, 5-10 m.p.h. Eleven observers in 5 parties. Total party-hours 13.5 (8 on foot, 5.5 by car). Total party-miles 100 (16 on foot, 84 by car).

Canada Goose 302, Green-winged Teal 1, Mallard 35, Northern Pintail 2, Bald Eagle 37, Northern Harrier 88, Sharp-shinned Hawk 1, Cooper's Hawk 1, Red-tailed Hawk 17, Ferruginous Hawk 1, Rough-legged Hawk 13, *Buteo* sp. 2, American Kestrel 1, Prairie Falcon 1, Ring-necked Pheasant 32, Ring-billed Gull 1, Herring Gull 4, Eastern Screech-owl 1, Great Horned Owl 3, Short-eared Owl 8, Downy Woodpecker 3, Northern (Yellow-shafted) Flicker 1, Northern (Red-shafted) Flicker 7, Northern Flicker ssp. 20, Horned Lark 50, American Crow 19, Black-capped Chickadee 26, White-breasted Nuthatch 1, Brown Creeper 3, Eastern Bluebird 1, American Robin 1, Cedar Waxwing 12, Northern Shrike 1, European Starling 1130, Northern Cardinal 1, American Tree Sparrow 364, Song Sparrow 5, White-crowned Sparrow 8, Harris' Sparrow 32, Dark-eyed (Slate-colored) Junco 43, Dark-eyed (Oregon) Junco 1, Lapland Longspur 35,000, Red-winged Blackbird 20,000, Eastern Meadowlark 1, Western Meadowlark 29, *Sturnella* sp. 50, Brewer's Blackbird 2, Great-tailed Grackle 1, Common Grackle 4, Brown-headed Cowbird 2. Total 45 species (2 additional subspecies), about 57,369 individuals. Seen in area during count period, but not on count day — Tundra Swan, Red-headed Woodpecker, Blue Jay.

Gene Bahr, Karl Grover, Helen Hands (compiler — Cheyenne Bottoms WMA, Rt. 3, Box 301, Great Bend, KS, 67530), Wilma Henrickson, Mary Lofwall, Mike Rader, Scott Seltman, Gene Young, Mike Zajie, two unidentified males.

Cimarron National Grassland. 37° 07'N, 101° 52'W. Center 7 mi N, 2 mi E of Elkhart, KS. Habitat coverage: sandsage prairie 30%, riparian woodland 30%, cultivated fields 15%, rocky slopes 10%, residential areas 10%, marsh 5%. 30 December 1989, 7 a.m. to 6 p.m., 28° to 35°F; Wind SW, 5-10 m.p.h.; some water open, clear. Fifteen observers in 5 parties. Total party-hours 45 (18.5 on foot, 26.5 by car). Total party-miles 532 (24 on foot, 508 by car).

Great Blue Heron 1, Tundra Swan 2, Canada Goose 21, Mallard 15, Bald Eagle 1, Northern Harrier 57, Sharp-shinned Hawk 1, Cooper's Hawk 1, Red-tailed Hawk 28, Ferruginous Hawk 64, Rough-legged Hawk 16, Golden Eagle 10, American Kestrel 20, Merlin 1, Prairie Falcon 1, Ring-necked Pheasant 9, Lesser Prairie-chicken 58, Northern Bobwhite 145, Scaled Quail 2, Rock Dove 26, Mourning Dove 46, Barn Owl 1, Eastern Screech-owl 1, Great Horned Owl 14, Long-eared Owl 4, Ladder-backed Woodpecker 4, Downy Woodpecker 49, Northern (Yellow-shafted) Flicker 5, Northern (Red-shafted) Flicker 29, Northern Flicker ssp. 17, Horned Lark 4276, Steller's Jay 2 (good details — Ed.), Blue Jay 2, Scrub Jay 4, Black-billed Magpie 190, American Crow 29, Mountain Chickadee 10, White-breasted Nuthatch 10, Brown Creeper 3, Golden-crowned Kinglet 2, Eastern Bluebird 1, Townsend's Solitaire 4, American Robin 4, Northern Mockingbird 1, Curve-billed Thrasher 2, Northern Shrike 3, Loggerhead Shrike 12, European Starling 159, Northern Cardinal 3, Rufous-sided Towhee 2, Canyon Towhee 2 (excellent details

— Ed.), Rufous-crowned Sparrow 1 (excellent details — Ed.), American Tree Sparrow 1095, Field Sparrow 4, Vesper Sparrow 3, Lark Bunting 124, Song Sparrow 32, White-crowned Sparrow 625, Harris' Sparrow 212, Dark-eyed (Slate-colored) Junco 358, Dark-eyed (Oregon) Junco 515, Dark-eyed (White-winged) Junco 2, Dark-eyed Junco ssp. 1463, McCown's Longspur 71, Lapland Longspur 1001, Red-winged Blackbird 756, Western Meadowlark 754, Brewer's Blackbird 6, House Finch 115, Pine Siskin 248, American Goldfinch 46, House Sparrow 610. Total 67 species (3 additional subspecies), about 13,409 individuals. Seen in area during count period, but not on count day — Short-eared Owl, Bewick's Wren, Lesser Goldfinch, Chestnut-collared Longspur.

B. Berger, D. and L. Bryan, W. Champeny, M. Corder, P. Janzen, J. Nickel, S. Patti (compiler — 552 W. Belden, Chicago, IL, 60614), M. Rader, D. and S. Seltman, Lawrence, Leanna and Ruth Smith, M. Thompson.

Dodge City. 37° 46'N, 99° 58'W. Center campus of Saint Mary of the Plains College. Habitat coverage: cultivated fields 35%, residential areas 30%, grasslands 20%, oldfields and fencerows 10%, lakes and rivers 5%. 30 December 1989, 8 a.m. to 4 p.m., 26° to 37°F; Wind NW, 5-10 m.p.h.; overcast, light snow in P.M. Nine observers in 4 parties and 22 observers at feeders. Total party-hours 27 (all by car) and 75 hrs at feeders. Total party-miles 286 (all by car).

Great Blue Heron 2, Mallard 85, American Wigeon 4, Northern Harrier 16, Sharp-shinned Hawk 1, Northern Goshawk 1 (no details — Ed.), Red-tailed Hawk 10, Ferruginous Hawk 2, Rough-legged Hawk 1, Golden Eagle 1, American Kestrel 5, Ring-necked Pheasant 3, Wild Turkey 19, Rock Dove 390, Great Horned Owl 1, Downy Woodpecker 6, Hairy Woodpecker 4, Northern (Yellow-shafted) Flicker 9, Northern (Red-shafted) Flicker 7, Horned Lark 1172, Blue Jay 26, Black-billed Magpie 19, American Crow 35, Black-capped Chickadee 16, Mountain Chickadee 1, Red-breasted Nuthatch 12, White-breasted Nuthatch 4, Carolina Wren 2 (no details — Ed.), American Robin 26, European Starling 840, Northern Cardinal 26, Rufous-sided Towhee 3, American Tree Sparrow 14, Brewer's Sparrow 12 (no details — Ed.), Song Sparrow 119, White-throated Sparrow 12, White-crowned Sparrow 11, Harris' Sparrow 94, Dark-eyed (Slate-colored) Junco 215, Dark-eyed (Oregon) Junco 23, Lapland Longspur 75, Snow Bunting 30 (no details — Ed.), Western Meadowlark 343, Brewer's Blackbird 600, Common Grackle 106, House Finch 371, Pine Siskin 165, American Goldfinch 2, Evening Grosbeak 16, House Sparrow 750. Total 48 species (2 additional subspecies), about 5,707 individuals. Seen in area during count period, but not on count day — Bald Eagle, Cedar Waxwing.

Marg Andrews, Awyn Ary, Noel Ary, Lois Bryson, George Cole, Margaret Cole, Rosella Flowers, Betty Friesen, Kenneth Friesen, Joleen Fromm (compiler — 2402 5th Ave., Dodge City, KS, 67801), Lillie Graves, Goris Gurtner, Jean Kirkpatrick, Lorene Kulbiski, Marie McKee, Olive Morgison, Penny Murphy, Ora Mae Schraeder, Kay Lynn Smith, Skip Stark, Shirley Vieux, Judy Young.

Emporia. 38° 27'N, 96° 05'W. Center 1 mi S Lang, KS. Habitat coverage: riparian forest 55%, grassland 20%, oldfields and fencerows 10%, residential areas 8%, cultivated fields 5%, coniferous stands 1%, marsh 1%. 17 December 1989, 6:45 a.m. to 5:30 p.m., 6° to 32°F; Wind WSW, 0-10 m.p.h.; still water frozen, moving water partly open, 2-3 inches snow cover, overcast and light snow in A.M., partly cloudy in P.M. Twenty-four observers in 6 parties. Total party-hours 53.5 (24.5 on foot, 29 by car) plus 3 hrs at feeders. Total party-miles 459 (30 on foot, 429 by car).

Great Blue Heron 4, Greater White-fronted Goose 31, Canada Goose 361, Green-winged Teal 1, Mallard 95, Northern Pintail 1, Common Goldeneye 57, Common Merganser 6, Bald Eagle 2, Northern Harrier 48, Sharp-shinned Hawk 2, Cooper's Hawk 1, Red-tailed Hawk 125, Red-tailed (Harlan's) Hawk 6, Rough-legged Hawk 7, American Kestrel 25, Peregrine Falcon 1, Prairie Falcon 2, Northern Bobwhite 154, Common Snipe 2, Rock Dove 89, Mourning Dove 91, Eastern Screech-owl 2, Great Horned Owl 10, Barred Owl 6, Short-eared Owl 1, Belted Kingfisher 8, Red-headed Woodpecker 21, Red-billed Woodpecker 42, Yellow-bellied Sapsucker 1, Downy Wood-

pecker 48, Hairy Woodpecker 18, Northern (Yellow-shafted) Flicker 53, Northern (Red-shafted) Flicker 4, Northern Flicker ssp. 2, Pileated Woodpecker 3, Horned Lark 587, Blue Jay 186, American Crow 155, Black-capped Chickadee 214, Tufted Titmouse 104, Red-breasted Nuthatch 10, White-breasted Nuthatch 35, Brown Creeper 19, Carolina Wren 3, Winter Wren 1, Golden-crowned Kinglet 15, Eastern Bluebird 18, Townsend's Solitaire 1, American Robin 38, Northern Mockingbird 2, Brown Thrasher 2, Cedar Waxwing 29, Loggerhead Shrike 25, European Starling 1360, Orange-crowned Warbler 3, Northern Cardinal 324, Rufous-sided Towhee 5, American Tree Sparrow 1347, Field Sparrow 5, Song Sparrow 5, Swamp Sparrow 1, White-throated Sparrow 1, White-crowned Sparrow 8, Harris' Sparrow 515, Dark-eyed (Slate-colored) Junco 695, Dark-eyed (Oregon) Junco 10, Lapland Longspur 767, Smith's Longspur 6, Red-winged Blackbird 352, Eastern Meadowlark 587, *Sturnella* sp. 235, Rusty Blackbird 150, Brewer's Blackbird 187, Great-tailed Grackle 3, Common Grackle 91, Brown-headed Cowbird 16, House Finch 9, Pine Siskin 51, American Goldfinch 187, House Sparrow 1141. Total 76 species (3 additional subspecies), about 10,835 individuals. Seen in area during count period, but not on count day — Wild Turkey, Mountain Bluebird, Purple Finch.

Laura Dodge, Roger and Sherry Ferguson, Lloyd Fox, Elmer and Lorraine Finck, Dale and Betty Hogan, Jerry Horak, Marvin, Brian, and Brandon Kuehn, Wes and Lotta Matson, Paul McNab, Drake Miller, Judy Schnell, Jean Schulenberg, Marvin Schwillig (compiler — 1407 College Dr., Emporia, KS, 66801), Bernard Sietman, Greg Stuart, Kathleen and Dena Tabor, Warren Vorhees.

Garden City. 37° 55'N, 100° 47'W. Center 4 mi SE junction U.S. 83 spur and U.S. 50. Habitat coverage: residential areas 57%, cultivated fields 20%, riparian woodland 12%, oldfields and fencerows 8%, feedlots 2%, sandsage prairie 1%. 17 December 1989, 7:30 a.m. to 5:30 p.m., 12° to 15°F; Wind N, 12 m.p.h.; heavy fog until noon, P.M. clear, 1 inch snow cover, waters frozen except sewage treatment outfall. Twelve observers in 5 parties and 14 observers at feeders. Total party-hours 26 (8 on foot, 18 by car) and 15 hrs at feeders. Total party-miles 139 (4 on foot, 135 by car).

Canada Goose 28, Green-winged Teal 56, Mallard 454, Cinnamon Teal 16 (no details — Ed.), Bald Eagle 6, Northern Harrier 31, Red-tailed Hawk 25, Ferruginous Hawk 9, Rough-legged Hawk 3, *Buteo* sp. 14, American Kestrel 15, Ring-necked Pheasant 124, Lesser Prairie-chicken 1, Northern Bobwhite 200, Scaled Quail 20, Rock Dove 193, Mourning Dove 5, Great Horned Owl 17, Belted Kingfisher 1, Red-bellied Woodpecker 2, Downy Woodpecker 4, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 8, Northern (Red-shafted) Flicker 13, Northern Flicker ssp. 4, Horned Lark 2577, Blue Jay 24, Black-billed Magpie 85, American Crow 4, Black-capped Chickadee 3, Mountain Chickadee 2, Red-breasted Nuthatch 5, White-breasted Nuthatch 12, Brown Creeper 1, Townsend's Solitaire 3, American Robin 47, Northern Mockingbird 5, Cedar Waxwing 2, Loggerhead Shrike 4, European Starling 13,010, Northern Cardinal 4, Rufous-sided Towhee 3, American Tree Sparrow 91, White-crowned Sparrow 526, Harris' Sparrow 75, Dark-eyed Junco ssp. 418, Lapland Longspur 46, Red-winged Blackbird 200, Western Meadowlark 530, Great-tailed Grackle 302, Common Grackle 236, Brown-headed Cowbird 3, House Finch 487, Common Redpoll 2 (no details — Ed.), Pine Siskin 99, American Goldfinch 14, Evening Grosbeak 13, House Sparrow 3088. Total 55 species (1 additional subspecies), about 23,171 individuals. Seen in area during count period, but not on count day — Great Blue Heron, Cooper's Hawk, Scrub Jay, Bohemian Waxwing.

Dan Baffa, Dr. John Calbeck, Barbara Campbell, Bob and Jimmie Ruth Cobb, Robbie Dokter, Cathy Fenton, Ron Jamison, William Miles, Art Nonhof, Rod Oberheim, Marie Osterbuhr (compiler — 1103 Gillespie Pl., Garden City, KS, 67846), Leonard and Betty Rich, Emaline Scott, Kathy Sexson, Tom Shane, Cathryn Westerhaus.

Halstead-Newton. 38° 04'N, 97° 28'W. Center 5.75 mi NE Halstead, KS. Habitat coverage: grassland 29%, riparian forest 28%, cultivated fields 27%, residential areas 9%, upland deciduous forest 6%, lakes and rivers 1%. 16 December 1989, 7 a.m. to 5:30

p.m., -11° to 18°F; Wind N, 0-5 m.p.h.; waters mostly frozen, 0.5-1 inch snow cover, clear to partly cloudy. Ten observers in 4 parties and 1 observer at feeders. Total party-hours 34 (16 on foot, 18 by car) and 8 hrs at feeders. Total party-miles 206 (18 on foot, 188 by car).

Great Blue Heron 1, Canada Goose 25, Mallard 2, Common Merganser 1, Northern Harrier 4, Sharp-shinned Hawk 1, Red-tailed Hawk 42, Red-tailed (Harlan's) Hawk 2, Rough-legged Hawk 2, *Buteo* sp. 4, American Kestrel 10, Prairie Falcon 2, Ring-necked Pheasant 29, Wild Turkey 16, Northern Bobwhite 37, Common Snipe 24, Rock Dove 81, Mourning Dove 33, Great Horned Owl 5, Belted Kingfisher 1, Red-bellied Woodpecker 12, Downy Woodpecker 25, Hairy Woodpecker 3, Northern (Yellow-shafted) Flicker 12, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 21, Horned Lark 1140, Blue Jay 60, American Crow 131, Black-capped Chickadee 138, Tufted Titmouse 8, Red-breasted Nuthatch 5, White-breasted Nuthatch 7, Brown Creeper 6, Carolina Wren 3, Golden-crowned Kinglet 39, Eastern Bluebird 11, Western Bluebird 1 (good details, but lone observer — Ed.), American Robin 48, Northern Mockingbird 1, Cedar Waxwing 10, Loggerhead Shrike 6, European Starling 236, Northern Cardinal 54, Rufous-sided Towhee 4, American Tree Sparrow 611, Song Sparrow 15, White-crowned Sparrow 4, Harris' Sparrow 926, Dark-eyed (Slate-colored) Junco 598, Lapland Longspur 352, Red-winged Blackbird 9, *Sturnella* sp. 253, House Finch 2, Pine Siskin 4, American Goldfinch 85, House Sparrow 394. Total 53 species (2 additional subspecies), about 5,559 individuals. Seen in area during count period, but not on count day — Common Redpoll (excellent details — Ed.).

Nadine Abrahams, Bud Akin, Gregg Friesen, Paul Jantzen, Hans Penner, Joan Phelan, Dwight Platt (compiler — RFD 2, Box 209, Newton, KS, 67114), Bob Regier, Nada Voth, Joe Yoder.

Hays. 38° 47'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%. 30 December 1989, 8 a.m. to 5:30 p.m., 26° to 37°F; Wind NW, 5-10 m.p.h.; trace of snow, waters partly frozen. Eleven observers in 4 parties and 4 observers at feeders. Total party-hours 25.5 (10 on foot, 15.5 by car) and ? hrs at feeders. Total party-miles 261.5 (17.5 on foot, 244 by car).

Canada Goose 2, Northern Harrier 4, Sharp-shinned Hawk 1, Red-tailed Hawk 10, Ferruginous Hawk 3, Rough-legged Hawk 11, *Buteo* sp. 5, American Kestrel 12, Prairie Falcon 3, Ring-necked Pheasant 7, Rock Dove 194, Great Horned Owl 8, Belted Kingfisher 1, Red-bellied Woodpecker 1, Yellow-bellied Sapsucker 1, Downy Woodpecker 18, Hairy Woodpecker 4, Northern (Yellow-shafted) Flicker 6, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 2, Horned Lark 1148, Blue Jay 21, Black-billed Magpie 14, American Crow 88, Black-capped Chickadee 46, Red-breasted Nuthatch 1, White-breasted Nuthatch 8, Brown Creeper 1, Eastern Bluebird 3, American Robin 89, Brown Thrasher 1, Cedar Waxwing 11, European Starling 717, Northern Cardinal 6, Rufous-sided Towhee 1, American Tree Sparrow 252, Song Sparrow 3, White-crowned Sparrow 7, Harris' Sparrow 36, Dark-eyed (Slate-colored) Junco 45, Dark-eyed (Oregon) Junco 8, Dark-eyed Junco ssp. 47, Lapland Longspur 910, Red-winged Blackbird 1055, Western Meadowlark 521, Common Grackle 1, Brown-headed Cowbird 24, House Finch 116, Pine Siskin 89, American Goldfinch 8, House Sparrow 887. Total 46 species (2 additional subspecies), about 6,461 individuals.

Earl Carlson, Donna Cooper (compiler — 2906 Walnut, Hays, KS, 67601), Mark Cooper, Bill Deeds, Ed Dies, Genieva Dies, Carol Heil, Joe Jeter, Matt Musalek, Annie Laurie Steele, Brian Michael.

Junction City. 39° 00'N, 96° 53'W. Center I70 roadside rest W of Junction City, KS. Habitat coverage: grassland 21%, riparian forest 16%, cultivated fields 15%, oldfields and fencerows 14%, lakes and rivers 14%, coniferous stands 7%, upland deciduous forest 6%, marsh 5%, residential areas 2%. 31 December 1989, 2 a.m. to 7 p.m., 21° to 42°F; Wind S, 0-10 m.p.h.; clear, waters 95% open. Forty observers in 10 parties and 3 ob-

servers at feeders. Total party-hours 89 (38 on foot, 51 by car) plus 4 hrs owling and 5 hrs at feeders. Total party-miles 439 (36 on foot, 403 by car) and 80 miles owling.

Pied-billed Grebe 1, Double-crested Cormorant 3, Great Blue Heron 48, Snow Goose (white morph) 2, Canada Goose 1342, Wood Duck 7, Green-winged Teal 50, American Black Duck 2, Mallard 5189, Northern Pintail 11, Gadwall 44, American Wigeon 1, Redhead 6, Lesser Scaup 5, Common Goldeneye 78, Bufflehead 17, Hooded Merganser 4, Common Merganser 44, Bald Eagle 54, Northern Harrier 20, Sharp-shinned Hawk 2, Cooper's Hawk 5, Red-tailed Hawk 74, Red-tailed (Harlan's) Hawk 4, Rough-legged Hawk 3, Golden Eagle 2, American Kestrel 37, Merlin 2, Prairie Falcon 1, Ring-necked Pheasant 22, Greater Prairie-chicken 15, Wild Turkey 17, Northern Bobwhite 244, American Coot 2, Common Snipe 2, Rock Dove 277, Mourning Dove 31, Eastern Screech-owl 4, Great Horned Owl 17, Barred Owl 3, Long-eared Owl 4, Short-eared Owl 1, Northern Saw-whet Owl 1 (heard — Ed.), Belted Kingfisher 10, Red-bellied Woodpecker 38, Downy Woodpecker 63, Hairy Woodpecker 11, Northern (Yellow-shafted) Flicker 56, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 20, Blue Jay 118, American Crow 985, Black-capped Chickadee 424, Tufted Titmouse 41, Red-breasted Nuthatch 2, White-breasted Nuthatch 50, Brown Creeper 28, Carolina Wren 5, Bewick's Wren 2, Golden-crowned Kinglet 14, Eastern Bluebird 4, Mountain Bluebird 22, Townsend's Solitaire 1, American Robin 27, Cedar Waxwing 204, Loggerhead Shrike 10, European Starling 672, Northern Cardinal 234, Rufous-sided Towhee 8, American Tree Sparrow 1104, Song Sparrow 44, Lincoln's Sparrow 1, Swamp Sparrow 2, White-crowned Sparrow 14, Harris' Sparrow 597, Dark-eyed (Slate-colored) Junco 999, Dark-eyed (Oregon) Junco 19, Dark-eyed Junco ssp. 168, Lapland Longspur 103, Red-winged Blackbird 1861, Eastern Meadowlark 8, Western Meadowlark 69, *Sturnella* sp. 217, Brewer's Blackbird 16, Common Grackle 1, Red Crossbill 7, Pine Siskin 61, American Goldfinch 253, Evening Grosbeak 1, House Sparrow 317. Total 84 species (3 additional subspecies), about 16,612 individuals. Seen in area during count period, but not on count day — Northern Shoveler, White-winged Scoter (excellent details — Ed.), Ring-billed Gull, Herring Gull, Horned Lark, American Pipit (excellent details — Ed.), Northern Shrike, Great-tailed Grackle, Brown-headed Cowbird.

Michael Anderson, Cecil Best, Melissa Brown, Ted Cable Charlene Caspar, Lorena Combs, Stacey Cooke, Frank Durbian, Mark Endicott, Karen Fader, Kevin Fay, Elmer and LaVonne Finck, Marion Gray, Steven Hansen, Fred Hoppe, Cindy, Gary, and Jay Jeffrey, Johnnie Johnson, Kevin Johnson, David Jones, Kathleen Jones, Bob Kruger, Dan Larson, Dan, John, and Bob LaShelle (compiler — 1202 W. 6th St., Junction City, KS, 66441), E. R. Lewis, Deirdrea Lyon, Jim Mayhew, Mary Liz Montgomery, Chuck Otte, Craig Phillips, Galen Pittman, Skip Raney, Carlos Rose, Mary Sowers, Pete Sullivan, Phil Wedge, Paul Weidhaas, John Zimmerman, Louise Zwierzychowski.

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%, cultivated fields 13%, upland deciduous forest 12%, lakes and rivers 10%, riparian forest 9%, coniferous stands 5%, grasslands 5%, marsh 2%. 16 December 1989, 6 a.m. to 6 p.m., -8° to 12°F; Wind S, 0-5 m.p.h.; still waters frozen, moving waters partly open, 5 inches snow cover, clear in A.M., partly cloudy in P.M. Forty observers in 15 parties and 4 observers at feeders. Total party-hours 112 (35 on foot, 77 by car) plus 8.5 hrs owling and 12 hrs at feeders. Total party-miles 659.5 (33.5 on foot, 626 by car) and 45.5 miles owling.

Great Blue Heron 9, *Cygnus* sp. 1, Snow Goose (white morph) 60, Canada Goose 592, Wood Duck 2, Green-winged Teal 1, Mallard 3500, Gadwall 15, Redhead 5, Ring-necked Duck 6, Common Goldeneye 31, Common Merganser 800, Red-breasted Merganser 1 (excellent details — Ed.), Bald Eagle 50, Northern Harrier 16, Sharp-shinned Hawk 4, *Accipiter* sp. 1, Red-tailed Hawk 104, Rough-legged Hawk 2, *Buteo* sp. 5, Golden Eagle 1 (good details — Ed.), American Kestrel 32, Prairie Falcon 1, Ring-necked Pheasant 2, Northern Bobwhite 62, Killdeer 2, Ring-billed Gull 134, Herring Gull 69, *Larus* sp. 85, Rock Dove 841, Mourning Dove 69, Eastern Screech-owl 6, Great Horned Owl 15,

Barred Owl 7, Belted Kingfisher 4, Red-bellied Woodpecker 81, Yellow-bellied Sapsucker 3, Downy Woodpecker 91, Hairy Woodpecker 16, Northern (Yellow-shafted) Flicker 67, Northern (Red-shafted) Flicker 1, Northern Flicker ssp. 15, Pileated Woodpecker 1, Horned Lark 132, Blue Jay 212, American Crow 255, Black-capped Chickadee 674, Tufted Titmouse 220, Red-breasted Nuthatch 7, White-breasted Nuthatch 42, Brown Creeper 16, Carolina Wren 13, Golden-crowned Kinglet 14, Eastern Bluebird 57, American Robin 79, Northern Mockingbird 7, Cedar Waxwing 134, Loggerhead Shrike 15, European Starling 1960, Northern Cardinal 838, Rufous-sided Towhee 1, American Tree Sparrow 974, Fox Sparrow 11, Song Sparrow 166, Lincoln's Sparrow 7, Swamp Sparrow 14, White-throated Sparrow 5, White-crowned Sparrow 16, Harris' Sparrow 183, Dark-eyed (Slate-colored) Junco 965, Dark-eyed (Oregon) Junco 16, Dark-eyed Junco ssp. 542, Lapland Longspur 118, Red-winged Blackbird 49, Eastern Meadowlark 117, Western Meadowlark 17, *Sturnella* sp. 181, Rusty Blackbird 4, Common Grackle 4, Brown-headed Cowbird 28, Purple Finch 2, House Finch 8 (excellent details — Ed.), Pine Siskin 254, American Goldfinch 482, House Sparrow 1290. Total 77 species (2 additional subspecies), about 16,939 individuals.

Mary Allen, Bob Antonio, Roger Boyd, Bill Busby, Mary Butterbrodt, Paul Calovich, Cal Cink, Jan Conrad, Linda Dunne, Peter Dunne, Carol Estes, Henry Fitch, Lin Fredericksen, Shirley Griffith, David Herrin, Buzz Hoagland, Bob Holt, Judee Johnsen, Jennifer Jones, Kelly Kindscher, Mick McHugh, Galen Pittman (compiler — RR4, Box 260, Lawrence, ks, 66044), Alexis Powell, Pam Ramussen, David Reber, Stan Roth, Bob Rucker, Richard Rucker, Dawn Sharp, Cynthia Shaw, Ed Shaw, Dave Seibel, Greg Stek, Kevin Sick, Margaret Wedge, Phil Wedge, Jeff Witters, Joyce Wolf, Ron Wolf.

Leavenworth-Atchison. 39° 24'N, 94° 58'W. Center Kickapoo Cemetery, sec. 33, T7S, R22E, Leavenworth County. Habitat coverage: riparian forest 30%, upland deciduous forest 25%, oldfields and fencerows 20%, lakes and rivers 10%, cultivated fields 5%, grasslands 5%, residential areas 5%. 16 December 1989, 7 a.m. to 3 p.m., -12° to 12°F; Wind S, 0-5 m.p.h.; ponds frozen, ice flows on river, 3 inches snow cover, partly cloudy. Four observers in 1 party and 1 observer at feeders. Total party-hours 8 (1 on foot, 7 by car). Total party-miles 40 (1 on foot, 39 by car) and 0.5 miles owling.

Greater White-fronted Goose 3, Snow Goose (white morph) 11,000, Snow Goose (blue morph) 4,000, Canada Goose 36, Mallard 18, Bald Eagle 3, Red-tailed Hawk 2, Rough-legged Hawk 2, *Buteo* sp. 2, American Kestrel 5, Rock Dove 3, Mourning Dove 7, Barred Owl 3, Red-headed Woodpecker 1, Red-bellied Woodpecker 12, Downy Woodpecker 9, Northern (Yellow-shafted) Flicker 10, Northern (Red-shafted) Flicker 1, Northern Flicker ssp. 5, Pileated Woodpecker 2, Horned Lark 13, Blue Jay 24, American Crow 42, Black-capped Chickadee 40, Tufted Titmouse 12, White-breasted Nuthatch 6, Carolina Wren 3, Eastern Bluebird 4, Loggerhead Shrike 4, European Starling 145, Northern Cardinal 25, American Tree Sparrow 94, Song Sparrow 12, White-crowned Sparrow 17, Harris' Sparrow 31, Dark-eyed (Slate-colored) Junco 12, Dark-eyed (Oregon) Junco 4, Dark-eyed Junco ssp. 85, Red-winged Blackbird 1005, *Sturnella* sp. 2, Common Grackle 98, Brown-headed Cowbird 40, Purple Finch 1, American Goldfinch 9, House Sparrow 36. Total 39 species (2 additional subspecies), about 16,888 individuals. Seen in area during count period, but not on count day — Great Horned Owl, Hairy Woodpecker, Brown Creeper, White-throated Sparrow, Pine Siskin.

Dick Brown, John Schukman (compiler — RR 2, Box 111-37, Leavenworth, KS, 66048), Linda Schukman, Jack Smith, Pat Wakeman.

Linn County. 38° 17'N, 94° 45'W. Center SW corner, Unit G, Marais des Cygnes Wildlife Management Area. Habitat coverage: not recorded. 30 December 1989, 6:45 a.m. to 5 p.m., 26° to 32°F; Wind N, 5-10 m.p.h.; waters mostly frozen, overcast, misting. Nine observers in 5 parties. Total party-hours 38.5 (5.5 on foot, 32 by car) plus 0.5 hrs owling. Total party-miles 295.5 (3.5 on foot, 292 by car) and 11 miles owling.

Pied-billed Grebe 1, Double-crested Cormorant 2, Great Blue Heron 24, Snow Goose (white morph) 10, Snow Goose (blue morph) 2, Canada Goose 8702, Canada (Cackling)

Goose 5, Mallard 4456, Northern Pintail 4, Gadwall 4, American Wigeon 1, Canvasback 1, Ring-necked Duck 9, Common Goldeneye 56, Hooded Merganser 74, Common Merganser 33, Bald Eagle 15, Northern Harrier 34, Sharp-shinned Hawk 1, Cooper's Hawk 1, Red-shouldered Hawk 1, Red-tailed Hawk 105, Red-tailed (Harlan's) Hawk 2, Rough-legged Hawk 3, American Kestrel 16, Northern Bobwhite 31, Ring-billed Gull 135, Herring Gull 15, Rock Dove 41, Mourning Dove 6, Eastern Screech-owl 1, Great Horned Owl 8, Barred Owl 4, Belted Kingfisher 2, Red-headed Woodpecker 180, Red-bellied Woodpecker 102, Yellow-bellied Sapsucker 1, Downy Woodpecker 62, Hairy Woodpecker 7, Northern (Yellow-shafted) Flicker 23, Northern (Red-shafted) Flicker 1, Northern Flicker ssp. 27, Pileated Woodpecker 6, Horned Lark 8, Blue Jay 345, American Crow 137, Black-capped Chickadee 215, Tufted Titmouse 116, Red-breasted Nuthatch 1, White-breasted Nuthatch 53, Brown Creeper 3, Carolina Wren 17, Eastern Bluebird 89, American Robin 34, Northern Mockingbird 4, Cedar Waxwing 29, Loggerhead Shrike 13, European Starling 403, Northern Cardinal 352, American Tree Sparrow 1023, Savannah Sparrow 3 (excellent details — Ed.), Fox Sparrow 3, Song Sparrow 21, Swamp Sparrow 2, White-throated Sparrow 8, White-crowned Sparrow 96, Harris' Sparrow 122, Dark-eyed (Slate-colored) Junco 52, Dark-eyed (Oregon) Junco 8, Dark-eyed Junco ssp. 554, Red-winged Blackbird 2339, Eastern Meadowlark 22, *Sturnella* sp. 235, Rusty Blackbird 2, Great-tailed Grackle 587, Common Grackle 46, Brown-headed Cowbird 20, Purple Finch 5, American Goldfinch 102, House Sparrow 269. Total 72 species (4 additional subspecies), about 21,552 individuals.

Dan Arney, Roger Boyd (compiler — Biology Dept., Baker Univ., Baldwin City, KS, 66006), Steve Crawford, Bill Killam, Galen Pittman, Barbara Pressgrove, Martin Pressgrove, Richard Rucker, John Schukman.

Manhattan. 39° 11'N, 96° 34'W. Center Anderson Hall, Kansas State University campus. Habitat coverage: riparian forest 24%, upland deciduous forest 13%, oldfields and fencerows 13%, lakes and rivers 11%, cultivated fields 11%, grasslands 11%, residential areas 10%, coniferous stands 4%, marsh 3%. 16 December 1989; 7 a.m. to 5 p.m., -12° to 19°F; Wind S, 0-5 m.p.h.; most waters frozen; partly cloudy. Fifty-three observers in 13 parties. Total party-hours 128 (51 by car, 77 on foot) plus 6 hrs at feeders. Total party-miles 586 (510 by car, 76 on foot).

American White Pelican 2, Double-crested Cormorant 3, Great Blue Heron 6, Snow Goose (white morph) 1, Canada Goose 153, Wood Duck 1, Green-winged Teal 161, Mallard 6308, Northern Pintail 1, Blue-winged Teal 1 (excellent details — Ed.), Gadwall 50, American Wigeon 3, Common Goldeneye 110, Bufflehead 3, Common Merganser 342, Bald Eagle 45, Northern Harrier 17, Sharp-shinned Hawk 6, Cooper's Hawk 1, Red-tailed Hawk 76, Red-tailed (Harlan's) Hawk 11, Rough-legged Hawk 2, American Kestrel 28, Merlin 2, Prairie Falcon 2, Ring-necked Pheasant 55, Greater Prairie-chicken 1, Wild Turkey 15, Northern Bobwhite 408, Killdeer 4, Common Snipe 3, Ring-billed Gull 12, Herring Gull 8, Rock Dove 431, Mourning Dove 61, Eastern Screech-owl 1, Great Horned Owl 9, Barred Owl 4, Short-eared Owl 1, Belted Kingfisher 7, Red-headed Woodpecker 1, Red-bellied Woodpecker 109, Yellow-bellied Sapsucker 11, Downy Woodpecker 161, Hairy Woodpecker 28, Northern (Yellow-shafted) Flicker 52, Northern (Red-shafted) Flicker 2, Northern Flicker ssp. 11, Horned Lark 107, Blue Jay 330, American Crow 1131, Black-capped Chickadee 767, Tufted Titmouse 145, Red-breasted Nuthatch 14, White-breasted Nuthatch 110, Brown Creeper 51, Carolina Wren 9, Bewick's Wren 2, Winter Wren 1, Golden-crowned Kinglet 36, Eastern Bluebird 34, Townsend's Solitaire 1, American Robin 50, Northern Mockingbird 1, Brown Thrasher 1 (excellent details — Ed.), Cedar Waxwing 34, Loggerhead Shrike 2, European Starling 13,726, Northern Cardinal 779, Rufous-sided Towhee 19, American Tree Sparrow 1046, Field Sparrow 2, Vesper Sparrow 1 (excellent details — Ed.), Fox Sparrow 1, Song Sparrow 52, White-throated Sparrow 1, White-crowned Sparrow 48, Harris' Sparrow 591, Dark-eyed (Slate-colored) Junco 3391, Dark-eyed (Oregon) Junco 52, Red-winged Blackbird 60, Eastern Meadowlark 13, Western Meadowlark 69, *Sturnella* sp. 486, Brown-headed Cowbird 1, Purple Finch 2, Pine Siskin 52, American Goldfinch 375,

House Sparrow 1220. Total 84 species (3 additional subspecies), about 33,543 individuals.

Steve Amy, Brad Barth, Cecil Best, Kathy Brown, Melissa Brown, Richard Brown, Tim Craig, Brock Dale, Dave Danskin, Mike Donnelly, Doug Fall, Kevin Fay, Clyde and Marilene Ferguson, Esther Flemming, Nathan Folland, Andy Gebbert, Rosalind Gortan, Marion Gray, Leann Harrell, Joanne Itami, Ben Jeducka, Jay Jeffrey, Lowell Johnson, Mark Joy, Richard Kazmaier, Jim Koelliker, Ann Kosch, Angel Kwolek-Folland, Charlotte Lorenzen, Duane Kerr, Sue Kidd, Barry Michie, Jack Oviatt, Ted Pittenger, Ken Powell, Gary Radke, Mike Rhodes, Dave Rintoul, Andy Smith, Chris Smith, Guy Smith, Dean Stramel, Marge Swiegle, Dana and Harvard Townsend, Paul Wiedhaas, Ellen and Ruth Welti, Jane Withee, Don Yockey, Jan and John Zimmerman (compiler — Div. Biology, Kansas State Univ., Manhattan, KS, 66506) (Northern Flint Hills Audubon Society).

Olathe. 38° 55'N, 94° 51'S. Center intersection 119th St. and K7. Habitat coverage: riparian forest 20%, lakes and rivers 15%, residential areas 15%, oldfields and fencerows 13%, cultivated fields 12%, upland deciduous forest 10%, grassland 5%, coniferous stands 5%, marsh 5%. 23 December 1989, 7 a.m. to 5 p.m., -23° to 12°F; Wind SW, 0-10 m.p.h.; water frozen, 2 inches snow cover, clear. Six observers in 4 parties and 8 observers at feeders. Total party-hours 31 (1 on foot, 30 by car) plus 2 hrs owling and 15 hrs at feeders. Total party-miles 296 (2 on foot, 294 by car) and 22 miles owling.

Great Blue Heron 1, Snow Goose (white morph) 1, Canada Goose 232, Green-winged Teal 4, Mallard 467, Northern Pintail 1, Gadwall 99, American Wigeon 2, Ring-necked Duck 7, Common Goldeneye 2, Hooded Merganser 2, Common Merganser 104, Bald Eagle 6, Sharp-shinned Hawk 1, Red-tailed Hawk, 58, Red-tailed (Harlan's) Hawk 1, American Kestrel 15, Northern Bobwhite 28, Rock Dove 67, Mourning Dove 17, Eastern Screech-owl 5, Great Horned Owl 9, Barred Owl 1, Red-headed Woodpecker 1, Red-bellied Woodpecker 27, Downy Woodpecker 52, Hairy Woodpecker 7, Northern (Yellow-shafted) Flicker 16, Horned Lark 94, Blue Jay 195, American Crow 196, Black-capped Chickadee 271, Tufted Titmouse 59, Red-breasted Nuthatch 1, White-breasted Nuthatch 11, Brown Creeper 2, Carolina Wren 4, Golden-crowned Kinglet 2, Eastern Bluebird 2, American Robin 2, Cedar Waxwing 5, Northern Shrike 1 (good details — Ed.), European Starling 1005, Northern Cardinal 289, American Tree Sparrow 596, Fox Sparrow 1, Song Sparrow 22, Swamp Sparrow 2, White-crowned Sparrow 15, Harris' Sparrow 91, Dark-eyed (Slate-colored) Junco 637, Dark-eyed (Oregon) Junco 8, Dark-eyed (White-winged) Junco 1 (good details — Ed.), Lapland Longspur 1, Red-winged Blackbird 62, Eastern Meadowlark 96, *Sturnella* sp. 13, Rusty Blackbird 2, Brewer's Blackbird 1, Common Grackle 2, Purple Finch 4, House Finch 2, Pine Siskin 19, American Goldfinch 111, House Sparrow 678. Total 61 species (3 additional subspecies), about 5,736 individuals. Seen in area during count period, but not on count day — Brown Thrasher.

Roger Boyd, Steve Crawford (compiler — 529 N. Curtis, Olathe, KS, 66061), Chris Hobbs, Jim and Carol Surman, Larry Werner.

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 26%, cultivated fields 18%, lakes and rivers 18%, riparian forest 15%, upland deciduous forest 10%, residential areas 8%, grasslands 4%, coniferous stands 1%. 17 December 1989, 6:15 a.m. to 5:15 p.m., 9° to 25°F; Wind SW, 0-6 m.p.h.; lake 99% frozen, running water open in spots; broken to partly cloudy. Twelve observers in 4 parties. Total party-hours 34.5 (11 on foot, 23.5 by car) plus 1.5 hrs owling. Total party-miles 275 (9 on foot, 266 by car) and 11 miles owling.

Pied-billed Grebe 1, Great Blue Heron 4, Canada Goose 375, Green-winged Teal 1, Mallard 9000, Northern Pintail 2, Gadwall 1, American Wigeon 1, Redhead 6, Ring-necked Duck 24, Common Goldeneye 28, Hooded Merganser 43, Common Merganser 1000, Bald Eagle 13, Northern Harrier 2, Red-tailed Hawk 42, American Kestrel 13,

Ring-necked Pheasant 5, Wild Turkey 3, Northern Bobwhite 92, Ring-billed Gull 3, Herring Gull 2, Rock Dove 87, Mourning Dove 27, Eastern Screech-owl 4, Great Horned Owl 5, Barred Owl 2, Long-eared Owl 1, Belted Kingfisher 3, Red-bellied Woodpecker 39, Yellow-bellied Sapsucker 1, Downy Woodpecker 47, Hairy Woodpecker 4, Northern (Yellow-shafted) Flicker 19, Northern Flicker ssp. 1, Horned Lark 40, Blue Jay 54, American Crow 154, Black-capped Chickadee 171, Tufted Titmouse 68, White-breasted Nuthatch 49, Brown Creeper 5, Carolina Wren 4, Winter Wren 1, Golden-crowned Kinglet 3, Eastern Bluebird 54, American Robin 5, Northern Mockingbird 6, Cedar Waxwing 20, Loggerhead Shrike 2, European Starling 725, Northern Cardinal 250, Rufous-sided Towhee 1, American Tree Sparrow 440, Field Sparrow 2, Vesper Sparrow 1 (excellent details — Ed.), Song Sparrow 28, Swamp Sparrow 1, Harris' Sparrow 77, Dark-eyed (Slate-colored) Junco 640, Dark-eyed (Oregon) Junco 6, Dark-eyed Junco ssp. 140, Red-winged Blackbird 97, Eastern Meadowlark 7, Western Meadowlark 57, *Sturnella* sp. 168, Rusty Blackbird 15, Common Grackle 41, Brown-headed Cowbird 18, Purple Finch 1, Pine Siskin, American Goldfinch 122, House Sparrow 900, Total 69 species (1 additional subspecies), about 15,296 individuals. Seen in area during count period but not on count day — Snow Goose, Wood Duck.

Joanne Brier, Maxey Irwin, E. M. Lewis, E. R. Lewis, Mick McHugh, Lloyd Moore, Galen Pittman, Walter Ross, Bob Rucker, Richard Rucker (compiler — 121 E. 17th St., Lawrence, KS, 66044-4233), Roseanne Smith, Phil Wedge.

Pomona Lake. 38° 41'N, 95° 41'W. Center Carbolyn Park on Dragoon Creek. Habitat coverage: riparian forest 25%, oldfields and fencerows 25%, upland deciduous forest 15%, cultivated fields 15%, grasslands 10%, residential areas 5%, lakes and rivers 5%. 30 December 1989, 7:30 a.m. to 5 p.m., 26° to 33°F; Wind N, 5-10 m.p.h.; water frozen, ripples open; cloudy with light mist in A.M. Five observers in 2 parties and 2 observers at feeders. Total party-hours 17 (8 on foot, 9 by car) plus 0.25 hrs owling and 6.5 hrs at feeders. Total party-miles 137 (6 on foot, 131 by car).

Great Blue Heron 1, Canada Goose 20, Mallard 875, Gadwall 1, Common Goldeneye 4, Northern Harrier 4, Sharp-shinned Hawk 1, Cooper's Hawk 1, Red-tailed Hawk 27, American Kestrel 4, Northern Bobwhite 30, Rock Dove 3, Mourning Dove 13, Eastern Screech-owl 1, Barred Owl 2, Belted Kingfisher 1, Red-headed Woodpecker 1, Red-bellied Woodpecker 24, Yellow-bellied Sapsucker 1, Downy Woodpecker 28, Hairy Woodpecker 5, Northern Flicker ssp. 17, Blue Jay 22, American Crow 107, Black-capped Chickadee 93, Tufted Titmouse 31, White-breasted Nuthatch 22, Brown Creeper 19, Carolina Wren 1, Golden-crowned Kinglet 1, Ruby-crowned Kinglet 1, Eastern Bluebird 4, American Robin 103, Cedar Waxwing 30, Loggerhead Shrike 1, European Starling 237, Northern Cardinal 77, American Tree Sparrow 265, Song Sparrow 11, White-crowned Sparrow 1, Harris' Sparrow 49, Dark-eyed (Slate-colored) Junco 89, Dark-eyed (Oregon) Junco 3, Dark-eyed Junco ssp. 58, Eastern Meadowlark 30, *Sturnella* sp. 27, Common Grackle 3, Pine Siskin 32, American Goldfinch 16, House Sparrow 116. Total 47 species (1 additional subspecies), about 2,513 individuals. Seen in area during count period, but not on count day — Purple Finch.

Joanne Brier, Bob Culbertson (compiler — P. O. Box 582, New Strawn, KS, 66839), Carol Culbertson, Bev Downing, E. R. Lewis, Dan Williamson.

Quivira National Wildlife Refuge. 38° 09'N, 98° 29'W. Center Refuge subheadquarters. Habitat coverage: grasslands 80%, cultivated fields 10%, marsh 10%. 19 December 1989, 8 a.m. to 4 p.m., 34° to 45°F; Wind NWW, 7 m.p.h.; still water frozen, moving water open, A.M. cloudy with fog and light snow, P.M. clear. Sixteen observers in 4 parties. Total party-hours 25.5 (8 on foot, 17.5 by car). Total party-miles 282 (8 on foot, 274 by car).

Great Blue Heron 5, Greater White-fronted Goose 120, Canada Goose 1783, Canada (smaller subspecies) Goose 204, Mallard 207, Northern Pintail 3, American Wigeon 1, Greater Scaup 1, Common Goldeneye 1, Common Merganser 1, Bald Eagle 9, Northern Harrier 56, Sharp-shinned Hawk 5, Cooper's Hawk 3, Red-tailed Hawk 70, Rough-

legged Hawk 3, American Kestrel 33, Merlin 2, Peregrine Falcon 1, Prairie Falcon 7, Ring-necked Pheasant 57, Wild Turkey 90, Northern Bobwhite 464, Common Snipe 5, Mourning Dove 33, Eastern Screech-owl 3, Great Horned Owl 21, Barred Owl 1, Short-eared Owl 2, Belted Kingfisher 3, Red-bellied Woodpecker 22, Downy Woodpecker 25, Hairy Woodpecker 5, Northern Flicker ssp. 129, Horned Lark 64, Blue Jay 40, Black-billed Magpie 6, American Crow 50, Black-capped Chickadee 68, Tufted Titmouse 2, White-breasted Nuthatch 6, Brown Creeper 2, Bewick's Wren 1, Golden-crowned Kinglet 8, Eastern Bluebird 35, American Robin 14, Northern Mockingbird 1, Brown Thrasher 1, Northern Shrike 2, Loggerhead Shrike 5, European Starling 318, Northern Cardinal 35, Rufous-sided Towhee 7, American Tree Sparrow 5324, Field Sparrow 9, Song Sparrow 77, Lincoln's Sparrow 7, Swamp Sparrow 2, White-throated Sparrow 1, White-crowned Sparrow 255, Harris' Sparrow 1258, Dark-eyed (Slate-colored) Junco 1153, Dark-eyed (Oregon) Junco 6, Lapland Longspur 31, Red-winged Blackbird 151,105, *Sturnella* sp. 880, Yellow-headed Blackbird 1, Brewer's Blackbird 83, Great-tailed Grackle 47, Common Grackle 7, Brown-headed Cowbird 24, American Goldfinch 33, House Sparrow 56. Total 71 species (2 additional subspecies), about 164,399 individuals.

Jim Barnes, Wallace Champeny, Lorena Combs, Kevin Fay, Patrick Gonzales (compiler — Rt. 3, Box 48A, Stafford, KS, 67578), Rick Goodrick, Dave Hilley, Dan Kilby, Mike Lesan, Mike Rader, Dave Rintoul, John Rokestraw, Scott Seltman, Chris Smith, Don Vannoy, John Zimmerman.

Salina. 38° 50'N, 97° 38'W. Center State Street Rd. 1 mi W of Ninth Street, Salina, KS. Habitat coverage: oldfields and fencerows 22%, riparian forest 21%, cultivated fields 21%, grasslands 20%, residential areas 7%, lakes and rivers 5%, coniferous stands 4%. 6 January 1990, 7:30 a.m. to 5:30 p.m., 21° to 46°F; Wind S-SW, 5-15 m.p.h.; ponds and rivers mostly frozen except for urban lake with circulating fountain, clear. Thirteen observers in 4 parties and 4 observers at feeders. Total party-hours 34 (11 on foot, 23 by car) and 3 hrs at feeders. Total party-miles 344 (8 on foot, 336 by car).

Canada Goose 125, Mallard 4, Northern Harrier 6, Cooper's Hawk 2, Red-tailed Hawk 50, Red-tailed (Harlan's) Hawk 1, Rough-legged Hawk 2, *Buteo* sp. 5, American Kestrel 39, Ring-necked Pheasant 5, Wild Turkey 2, Northern Bobwhite 6, Rock Dove 764, Mourning Dove 16, Great Horned Owl 3, Red-bellied Woodpecker 12, Yellow-bellied Sapsucker 1, Downy Woodpecker 15, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 2, Northern (Red-shafted) Flicker 1, Northern Flicker ssp. 3, Horned Lark 312, Blue Jay 12, Black-billed Magpie 5, American Crow 213, Black-capped Chickadee 84, Red-breasted Nuthatch 2, White-breasted Nuthatch 5, Brown Creeper 1, Carolina Wren 2, Winter Wren 1, American Robin 1, Northern Mockingbird 1, Brown Thrasher 2, Cedar Waxwing 6, Loggerhead Shrike 1, European Starling 1568, Northern Cardinal 50, American Tree Sparrow 257, Field Sparrow 4, Song Sparrow 1, Harris' Sparrow 178, Dark-eyed (Slate-colored) Junco 6, Dark-eyed (Oregon) Junco 1, Dark-eyed Junco ssp. 144, Red-winged Blackbird 175, Western Meadowlark 1, *Sturnella* sp. 412, Rusty Blackbird 150, Brewer's Blackbird 25, House Finch 6, Pine Siskin 6, American Goldfinch 11, House Sparrow 596. Total 48 species (3 additional subspecies), about 5,304 individuals. Seen in area during count period, but not on count day — Prairie Falcon. Four Chukars seen during count were subsequently traced to escaped captives.

Cynthia and Jessica Abbott, David and Nancy Clark, David, Kevin, and Lisa Haight, Harold (compiler — 612 Max Ave., Salina, KS, 67401) and Virginia Lear, Charles and Ivy Marsh, Donice and Tom Meylor, Chris Seitz (Smoky Hill Audubon Society).

Sawyer. 37° 32'N, 98° 42'W. Center SE corner sec. 11, T29S, R13W, Pratt Co. (change in center from previous year). Habitat coverage: cultivated fields 40%, riparian woodland 40%, grasslands 10%, oldfields and fencerows 5%, lakes and rivers 5%. 30 December 1989, 8 a.m. to 5:30 p.m., 25° to 43°F; Wind N, 5-10 m.p.h.; waters partly frozen, overcast. Nine observers in 3 parties. Total party-hours 25 (12 on foot, 13 by car). Total party-miles 151 (9 on foot, 142 by car).

Great Blue Heron 13, Canada Goose 1209, Green-winged Teal 4, Mallard 847, Ring-necked Duck 2, Common Goldeneye 1, Northern Harrier 19, Cooper's Hawk 3, Red-tailed Hawk 37, Ferruginous Hawk 1, Rough-legged Hawk 6, American Kestrel 11, Prairie Falcon 2, Ring-necked Pheasant 3, Wild Turkey 54, Northern Bobwhite 22, Common Snipe 3, Herring Gull 1, Rock Dove 26, Mourning Dove 1, Great Horned Owl 2, Barred Owl 3, Belted Kingfisher 7, Red-bellied Woodpecker 39, Yellow-bellied Sapsucker 1, Downy Woodpecker 25, Hairy Woodpecker 4, Northern (Yellow-shafted) Flicker 9, Northern (Red-shafted) Flicker 2, Northern Flicker ssp. 22, Horned Lark 134, Blue Jay 3, American Crow 142, Black-capped Chickadee 92, Carolina Chickadee 3, Tufted Titmouse 2, White-breasted Nuthatch 28, Brown Creeper 2, Golden-crowned Kinglet 2, Eastern Bluebird 56, Mountain Bluebird 41, Townsend's Solitaire 1, American Robin 268, Cedar Waxwing 27, European Starling 220, Yellow-rumped (Myrtle) Warbler 14, Northern Cardinal 13, American Tree Sparrow 708, Fox Sparrow 2, Song Sparrow 24, White-crowned Sparrow 51, Harris' Sparrow 279, Dark-eyed Junco ssp. 347, Lapland Longspur 40, Red-winged Blackbird 2812, Western Meadowlark 448, House Finch 37, Pine Siskin 10, American Goldfinch 108, House Sparrow 240. Total 58 species (1 additional subspecies), about 8,533 individuals.

Kevin Becker, Ken Brunson, Scott Hillard, Bill Hlavachick, Ann Morris, Jane Queal, Lee Queal, Bob Wood (compiler — 502 Commodore, Pratt, KS, 67124), Larry Zuckerman.

Scott Lake. 38° 35'N, 100° 56'W. Center 7 mi N junction U.S. 83 and K96. Habitat coverage: riparian woodland 40%, grasslands 15%, residential areas (including feedlots) 10%, lakes and rivers 10%, marsh 10%, cultivated fields 10%, coniferous stands 5%. 6 January 1990, 7:30 a.m. to 5 p.m., 10° to 46°F; Wind calm A.M., light and variable P.M.; lake frozen, spring-fed marshes open, 2% snow cover, clear. Fifteen observers in 6 parties. Total party-hours 50.5 (19 on foot, 31.5 by car) plus 1.5 hrs owling. Total party-miles 357 (13 on foot and 344 by car) and 3.5 miles owling.

Great Blue Heron 2, Wood Duck 1, Green-winged Teal 1, Mallard 270, Ring-necked Duck 1, Lesser Scaup 1, Bald Eagle 3, Northern Harrier 35, Sharp-shinned Hawk 2, Red-tailed Hawk 18, Ferruginous Hawk 16, Rough-legged Hawk 33, Golden Eagle 1, American Kestrel 15, Merlin 3, Prairie Falcon 6, Ring-necked Pheasant 12, Wild Turkey 10, Common Snipe 4, Rock Dove 25, Mourning Dove 3, Eastern Screech-owl 4, Great Horned Owl 22, Short-eared Owl 1, Belted Kingfisher 2, Red-bellied Woodpecker 3, Downy Woodpecker 35, Hairy Woodpecker 9, Northern (Yellow-shafted) Flicker 4, Northern (Red-shafted) Flicker 9, Northern Flicker ssp. 8, Horned Lark 7052, Blue Jay 4, Black-billed Magpie 66, Black-capped Chickadee 89, Red-breasted Nuthatch 1, White-breasted Nuthatch 18, Brown Creeper 12, Bewick's Wren 3, Marsh Wren 1, Golden-crowned Kinglet 5, Townsend's Solitaire 4, American Robin 9, Cedar Waxwing 16, Northern Shrike 1, Loggerhead Shrike 1, European Starling 427, Yellow-rumped (Myrtle) Warbler 1, Northern Cardinal 4, Rufous-sided Towhee 6, American Tree Sparrow 313, Field Sparrow 1, Song Sparrow 35, Lincoln's Sparrow 1, White-crowned Sparrow 47, Harris' Sparrow 121, Dark-eyed (Slate-colored) Junco 144, Dark-eyed (Oregon) Junco 192, Dark-eyed (White-winged) Junco 4, Dark-eyed Junco ssp. 131, Lapland Longspur 1550, Red-winged Blackbird 610, Western Meadowlark 303, Common Grackle 9, House Finch 183, Pine Siskin 51, American Goldfinch 104, House Sparrow 2498. Total 63 species (3 additional subspecies), about 14,576 individuals. Seen in area during count period, but not on count day — Mountain Bluebird.

Robbie Dockett, Dan LaShelle, Arthur Nonhof, Marie Osterbuhr, Galen Pittman, Mike Rader, Betty Rich, Leonard Rich, Amy Rintoul, Dave Rintoul, Diane Seltman, Scott Seltman, Sara Shane, Tom Shane (compiler — 1706 Belmont, Garden City, KS, 67846), Phil Wedge.

Topeka. 39° 02'N, 95° 40'W. Center State capitol. Habitat coverage: residential areas 30%, oldfields and fencerows 20%, lakes and rivers 15%, upland deciduous forest 10%, riparian forest 10%, cultivated fields 10%, grasslands 5%. 16 December 1989, 7 a.m. to

5:30 p.m., -9° to 13°F; Wind N, 0-5 m.p.h.; waters mostly frozen, mostly cloudy. Thirty-two observers in 11 parties and 10 observers at feeders. Total party-hours 84 (43 on foot, 41 by car) plus 2.5 hrs owling and 36 hrs at feeders. Total party-miles 466 (49 on foot, 417 by car) and 4 miles owling.

Pied-billed Grebe 1, Great Blue Heron 6, Canada Goose 58, Wood Duck 2, Mallard 3938, Northern Shoveler 4, Gadwall 66, Ring-necked Duck 2, Lesser Scaup 5, Common Goldeneye 55, Common Merganser 30, Bald Eagle 11, Northern Harrier 15, Sharp-shinned Hawk 4, Cooper's Hawk 1, Red-tailed Hawk 61, Rough-legged Hawk 2, American Kestrel 23, Ring-necked Pheasant 6, Wild Turkey 17, Northern Bobwhite 177, American Coot 9, Killdeer 4, Common Snipe 1, Ring-billed Gull 16, Herring Gull 1, Rock Dove 411, Mourning Dove 366, Eastern Screech-owl 2, Great Horned Owl 13, Barred Owl 1, Belted Kingfisher 7, Red-headed Woodpecker 3, Red-bellied Woodpecker 55, Yellow-bellied Sapsucker 6, Downy Woodpecker 91, Hairy Woodpecker 17, Northern (Yellow-shafted) Flicker 45, Northern (Red-shafted) Flicker 1, Horned Lark 415, Blue Jay 286, American Crow 276, Black-capped Chickadee 351, Tufted Titmouse 85, Red-breasted Nuthatch 9, White-breasted Nuthatch 47, Brown Creeper 16, Carolina Wren 4, Winter Wren 1, Golden-crowned Kinglet 24, Ruby-crowned Kinglet 2, Eastern Bluebird 31, American Robin 69, Northern Mockingbird 1, Brown Thrasher 3, Cedar Waxwing 279, Loggerhead Shrike 4, European Starling 1123, Yellow-rumped (Myrtle) Warbler 2, Northern Cardinal 373, Rufous-sided Towhee 22, American Tree Sparrow 371, Field Sparrow 3, Fox Sparrow 2, Song Sparrow 24, White-throated Sparrow 37, White-crowned Sparrow 20, Harris' Sparrow 219, Dark-eyed (Slate-colored) Junco 1072, Dark-eyed (Oregon) Junco 20, Dark-eyed Junco ssp. 214, Lapland Longspur 57, Red-winged Blackbird 239, Eastern Meadowlark 225, Western Meadowlark 25, *Sturnella* sp. 109, Rusty Blackbird 7, Brewer's Blackbird 1, Common Grackle 4, Brown-headed Cowbird 37, House Finch 6, Pine Siskin 65, American Goldfinch 253, House Sparrow 984. Total 80 species (2 additional subspecies), about 12,950 individuals. Seen in area during count period, but not on count day — Green-winged Teal, Purple Finch.

Virgil Basgall, Jim and Joanne Brier, Martin Burke, Scott Campbell, Nancy and Walter Cole, Ed and Marge Dennis, Lois Duffens, Patty Field, Bob Foster, Dan Gish, Dean and Gladys Grisell, Jeane Gruender, Gary Haden, Gwen Haegert, Phyllis Henney, Maxey Irwin, Scottie Johnson, Charles Kauffman, Glen Koontz, Dan Larson, Bob and Cathy Lawson, Edith Lessenden, E. M. and E. R. Lewis (compiler — 1285 MacVicar Ave., Topeka, KS, 66604), Carolyn Litwin, Donna Mall, Sarah Merrill, Linda Mowbray, Pete North, Jo Ramberg, John Row, Barbara Shepard, Pat Stein, Donna Vausbinder, Grace White, Lil and Paul Willis.

Tribune. 38° 27'N, 101° 45'W. Center Tribune, KS. Habitat coverage: residential areas, grasslands (%s not given). 31 December 1989, no times given, 10° to 20°F; Wind N, 20 m.p.h. Ten observers. No other information provided.

Bald Eagle 1, Golden Eagle 2, Merlin 2, Prairie Falcon 1, Ring-necked Pheasant 25, Rock Dove 10, Eastern Screech-owl 2, Great Horned Owl 2, Northern (Yellow-shafted) Flicker 2, Horned Lark 50, American Robin 12, American Tree Sparrow 185, Dark-eyed (Slate-colored) Junco 16, Lapland Longspur 500, Western Meadowlark 16, House Finch 2, Pine Siskin 4. Total 17 species, about 832 individuals.

Lawrence and Pearl Abbott (compiler — Box 433, Tribune, KS, 67879), Melvin and Nadine Cheney, Luther and Luverne Keith, Buford Kuttler, Calvin, Roxie, and Jim Pringle.

Udall-Winfield. 37° 16'N, 96° 59'W. Center water tower at Winfield State Training School. Habitat coverage: upland deciduous forest 40%, grasslands 23%, cultivated fields 20%, riparian forest 10%, residential areas 4%, lakes and rivers 3%. 17 December 1989, 8 a.m. to 5 p.m., 12° to 22°F; Wind N, 3 m.p.h.; water mostly frozen, one inch snow cover, cloudy with snow in A.M., clear in P.M. Fifteen observers in 5 parties and 2 observers at feeders. Total party-hours 40 (5 on foot, 35 by car) plus 4 hrs owling and 8 hrs at feeders. Total party-miles 415 (15 on foot, 400 by car) and 60 miles owling.

Pied-billed Grebe 1, Great Blue Heron 1, Tundra Swan 3, Canada Goose 3085, Wood Duck 1, Mallard 15,126, Northern Pintail 11, Gadwall 9, Lesser Scaup 1, Common Goldeneye 76, Common Merganser 286, Bald Eagle 4, Northern Harrier 49, Sharp-shinned Hawk 2, Cooper's Hawk 2, Red-tailed Hawk 199, Red-tailed (Harlan's) Hawk 1, Rough-legged Hawk 1, American Kestrel 51, Peregrine Falcon 1, Prairie Falcon 4, Ring-necked Pheasant 7, Greater Prairie-chicken 28, Wild Turkey 65, Northern Bobwhite 249, Killdeer 5, Common Snipe 1, Ring-billed Gull 2, Herring Gull 1, Rock Dove 177, Mourning Dove 73, Barn Owl 1, Eastern Screech-owl 1, Great Horned Owl 26, Barred Owl 7, Belted Kingfisher 8, Red-headed Woodpecker 1, Red-bellied Woodpecker 67, Yellow-bellied Sapsucker 4, Downy Woodpecker 35, Hairy Woodpecker 5, Northern (Yellow-shafted) Flicker 52, Northern (Red-shafted) Flicker 5, Northern Flicker ssp. 1, Pileated Woodpecker 4, Horned Lark 6735, Blue Jay 9, American Crow 386, Black-capped Chickadee 8, Carolina Chickadee 155, Tufted Titmouse 7, Red-breasted Nuthatch 8, White-breasted Nuthatch 25, Brown Creeper 11, Carolina Wren 10, Bewick's Wren 1, Winter Wren 1, Golden-crowned Kinglet 38, Ruby-crowned Kinglet 4, Eastern Bluebird 30, American Robin 42, Northern Mockingbird 7, Cedar Waxwing 13, Loggerhead Shrike 13, European Starling 2032, Northern Cardinal 412, Rufous-sided Towhee 3, American Tree Sparrow 1298, Field Sparrow 3, Savannah Sparrow 2, Fox Sparrow 1, Song Sparrow 25, Lincoln's Sparrow 1, White-crowned Sparrow 13, Harris' Sparrow 1534, Dark-eyed (Slate-colored) Junco 804, Dark-eyed (Oregon) Junco 40, Dark-eyed Junco ssp. 12, Lapland Longspur 700, Red-winged Blackbird 8903, Eastern Meadowlark 68, Western Meadowlark 4, *Sturnella* sp. 1073, Rusty Blackbird 724, Brewer's Blackbird 403, Common Grackle 1, Brown-headed Cowbird 75, Purple Finch 6, Pine Siskin 16, American Goldfinch 307, House Sparrow 1059. Total 85 species (3 additional subspecies), about 46,758 individuals. Seen in area during count period, but not on count day — Double-crested Cormorant, Snow Goose, Green-winged Teal, American Wigeon, Redhead, Ring-necked Duck, Hooded Merganser, White-throated Sparrow.

Betty Anderson, Duane Anderson, Fritz Barnard, James Barnes, Terry Barnett, Wallace Champeny, Jack Dennett, Norma Dennett, George Gangwere, Janet Laws, Scott Morrill, Max Thompson (compiler — 1729 E. 11th, Winfield, KS, 67156), Gerald Wiens, Donna Wilt, Robert Wimmer.

Wichita. 37° 41'N, 97° 20'W. Center confluence of Arkansas and Little Arkansas Rivers. Habitat coverage: as described in 1984 (amazing! — Ed.). 16 December 1989, 8 a.m. to 5 p.m., -4° to 17°F; Wind S, 0-5 m.p.h.; waters partly frozen, clear. Fifteen observers in 10 parties and 2 observers at feeders. Total party-hours 85 (50 on foot, 35 by car) and 15 hrs at feeders. Total party-miles 272 (25 on foot, 247 by car).

Pied-billed Grebe 2, Great Blue Heron 7, Canada Goose 4909, Wood Duck 2, Green-winged Teal 46, Mallard 1808, Northern Pintail 2, Blue-winged Teal 1, Northern Shoveler 3, Gadwall 56, American Wigeon 3, Canvasback 3, Redhead 12, Ring-necked Duck 9, Lesser Scaup 21, Common Goldeneye 338, Bufflehead 4, Hooded Merganser 1, Common Merganser 82, Northern Harrier 4, Sharp-shinned Hawk 2, Red-tailed Hawk 50, Red-tailed (Harlan's) Hawk 2, Rough-legged Hawk 1, American Kestrel 7, Ring-necked Pheasant 27, Wild Turkey 5, Northern Bobwhite 36, American Coot 40, Killdeer 5, Common Snipe 11, Ring-billed Gull 104, Herring Gull 7, Rock Dove 905, Mourning Dove 150, Inca Dove 1 (no details — Ed.), Eastern Screech-owl 2, Great Horned Owl 11, Belted Kingfisher 15, Red-bellied Woodpecker 11, Yellow-bellied Sapsucker 4, Downy Woodpecker 31, Hairy Woodpecker 6, Northern (Yellow-shafted) Flicker 24, Northern (Red-shafted) Flicker 4, Horned Lark 419, Blue Jay 94, American Crow 4508, Black-capped Chickadee 132, Tufted Titmouse 19, Red-breasted Nuthatch 18, White-breasted Nuthatch 7, Brown Creeper 20, Carolina Wren 11, Golden-crowned Kinglet 46, Ruby-crowned Kinglet 12, American Robin 75, Northern Mockingbird 2, Cedar Waxwing 11, Loggerhead Shrike 4, European Starling 2147, Northern Cardinal 287, Rufous-sided Towhee 28, American Tree Sparrow 542, Field Sparrow 1, Savannah Sparrow 1, Fox Sparrow 2, Song Sparrow 155, Swamp Sparrow 3, White-throated Spar-

row 3, White-crowned Sparrow 18, Harris' Sparrow 790, Dark-eyed (Slate-colored) Junco 979, Dark-eyed (Oregon) Junco 1, Lapland Longspur 158, Red-winged Blackbird 3962, *Sturnella* sp. 232, Brewer's Blackbird 2, Common Grackle 1, Brown-headed Cowbird 74, House Finch 5, Common Redpoll 3 (no details — Ed.), Pine Siskin 16, American Goldfinch 377, House Sparrow 1461. Total 82 species (3 additional subspecies), about 25,401 individuals. Seen in area during count period, but not on count day — Brown Thrasher.

Walker Butin, Wallace Champeny (compiler — RR 1, Oxford, KS, 67119), Rick Goodrick, Pete Janzen, Dan Kilby, Bill Langley, Mike Lesan, John Northrup, Jean and Miriam Roark, Eddie and Savilla Stegall, Tammy Troutman, Don Vannoy, Ralph Wiley.

Wilson County. 37° 37'N, 95° 45'W. Center Benedict, KS. Habitat coverage: riparian forest 30%, grasslands 20%, lakes and rivers 15%, oldfields and fencerows 15%, upland deciduous forest 10%, cultivated fields 5%, residential areas 3%, coniferous stands 2%. 6 January 1990, 7:30 a.m. to 4:30 p.m., 22° to 48°F; Wind N, 5 m.p.h.; waters mostly frozen, clear. One observer in 1 party and 2 observers at feeders. Total party-hours 9 (3 on foot, 6 by car) plus 0.5 hrs owling and 6 hrs at feeders. Total party-miles 115 (5 on foot, 110 by car) and 10 miles owling.

Great Blue Heron 1, Snow Goose (white morph) 1, Mallard 2, Northern Harrier 15, Red-tailed Hawk 73, Rough-legged Hawk 2, *Buteo* sp. 6, American Kestrel 15, Prairie Falcon 3, Wild Turkey 1, Northern Bobwhite 37, Ring-billed Gull 4, Rock Dove 6, Mourning Dove 65, Great Horned Owl 3, Barred Owl 3, Short-eared Owl 1, Red-headed Woodpecker 9, Red-bellied Woodpecker 11, Yellow-bellied Sapsucker 1, Downy Woodpecker 8, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 20, Northern (Red-shafted) Flicker 3, Northern Flicker ssp. 3, Horned Lark 88, Blue Jay 94, American Crow 84, Black-capped Chickadee 23, Carolina Chickadee 5, Tufted Titmouse 11, White-breasted Nuthatch 10, Eastern Bluebird 9, American Robin 35, Northern Mockingbird 3, Loggerhead Shrike 2, European Starling 235, Northern Cardinal 100, American Tree Sparrow 100, Song Sparrow 2, White-crowned Sparrow 10, Harris' Sparrow 71, Dark-eyed (Slate-colored) Junco 63, Dark-eyed (Oregon) Junco 1, Dark-eyed Junco ssp. 5, Red-winged Blackbird 205, Eastern Meadowlark 182, Brewer's Blackbird 30, Brown-headed Cowbird 2, American Goldfinch 151, House Sparrow 45. Total 46 species (2 additional subspecies), about 1,860 individuals.

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

Wilson Reservoir. 38° 56'N, 98° 34'W. Center northernmost point of Minooka park (6 mi NNE of Dorrance, KS). Habitat coverage: riparian woodland 25%, lakes and rivers 20%, grasslands 20%, oldfields and fencerows 15%, coniferous stands 10%, cultivated fields 5%, residential areas 3%, marsh 2%. 27 December 1989, 7:30 a.m. to 5 p.m., 30° to 59°F; Wind light and variable; waters mostly frozen, clear. Thirteen observers in 5 parties. Total party-hours 34 (13 on foot, 21 by car) plus 0.5 hrs owling. Total party-miles 325 (13 on foot, 312 by car) and 10 miles owling.

Great Blue Heron 3, Greater White-fronted Goose 50, Canada Goose 8618, Green-winged Teal 8, Mallard 1770, Common Goldeneye 5, Hooded Merganser 1, Bald Eagle 7, Northern Harrier 18, Sharp-shinned Hawk 1, Cooper's Hawk 2, Red-tailed Hawk 28, Rough-legged Hawk 2, American Kestrel 32, Ring-necked Pheasant 17, Northern Bobwhite 12, Common Snipe 1, Rock Dove 10, Mourning Dove 16, Eastern Screech-owl 3, Great Horned Owl 10, Long-eared Owl 2, Belted Kingfisher 5, Red-bellied Woodpecker 8, Downy Woodpecker 10, Hairy Woodpecker 2, Northern (Yellow-shafted) Flicker 13, Northern (Red-shafted) Flicker 7, Northern Flicker ssp. 9, Horned Lark 117, Blue Jay 9, Black-billed Magpie 4, American Crow 76, Black-capped Chickadee 147, White-breasted Nuthatch 2, Marsh Wren 1, Golden-crowned Kinglet 1, Eastern Bluebird 1, Mountain Bluebird 7, Townsend's Solitaire 2, American Robin 32, Northern Shrike 1, Loggerhead Shrike 4, European Starling 435, Northern Cardinal 24, Rufous-sided Towhee 4, American Tree Sparrow 1922, Song Sparrow 144, Golden-crowned Sparrow 1 (excellent details — Ed.), White-crowned Sparrow 31, Harris' Sparrow 884,

Dark-eyed (Slate-colored) Junco 466, Dark-eyed (Oregon) Junco 9, Dark-eyed Junco ssp. 37, Lapland Longspur 37, Red-winged Blackbird 1285, Western Meadowlark 181, Rusty Blackbird 1, Brown-headed Cowbird 1, House Finch 2, Pine Siskin 19, American Goldfinch 96, House Sparrow 236. Total 59 species (2 additional subspecies), about 16,889 individuals. Seen in area during count period, but not on count day — Golden Eagle, Greater Prairie-chicken.

Jeri and Tom Cannon (compiler — 908 W. Meadowbrook Rd., Iola, KS, 66749), Karen and Ray Ganoung, James and Jean Piland, Steve Prockish, Mike Rader, Scott Seltman, Brett, Bruce, Erin and Jeanette Zamrzla.

Yoder (formerly Reno County-Yoder). 37° 54'N, 97° 52'W. Center 3 mi S Yoder, KS on the Yoder-Cheney Rd. at intersection with Arlington Rd. Habitat coverage: cultivated fields 50%, grassland 30%, riparian woodland 10%, oldfields and fencerows 9%, residential areas 1%. 16 December 1989, 6:15 a.m. to 4:15 p.m., -4° to 19°F; Wind N, 10 m.p.h. Fourteen observers in 5 parties. Total party-hours 35.5 (5.5 on foot, 30 by car). Total party-miles 206.5 (13.5 on foot, 193 by car).

Great Blue Heron 2, Snow Goose (white morph) 120, Canada Goose 1488, Mallard 3, Bald Eagle 7, Northern Harrier 32, Cooper's Hawk 1, Red-tailed Hawk 44, Ferruginous Hawk 1, American Kestrel 18, Merlin 1, Ring-necked Pheasant 24, Wild Turkey 97, Northern Bobwhite 24, Killdeer 1, Rock Dove 66, Mourning Dove 5, Great Horned Owl 4, Barred Owl 1, Belted Kingfisher 1, Red-bellied Woodpecker 16, Downy Woodpecker 15, Hairy Woodpecker 1, Northern (Yellow-shafted) Flicker 24, Horned Lark 1674, Blue Jay 38, American Crow 157, Black-capped Chickadee 42, Tufted Titmouse 1, White-breasted Nuthatch 2, American Robin 18, Loggerhead Shrike 1, European Starling 248, Northern Cardinal 79, Rufous-sided Towhee 3, American Tree Sparrow 472, Field Sparrow 8, Song Sparrow 60, White-crowned Sparrow 2, Harris' Sparrow 970, Dark-eyed (Slate-colored) Junco 938, Lapland Longspur 4, Red-winged Blackbird 2543, Eastern Meadowlark 335, Western Meadowlark 167, Brown-headed Cowbird 6, Pine Siskin 6, American Goldfinch 67, House Sparrow 536. Total 49 species, about 10,373 individuals.

Levi Beaver, Mary Clark, Lorena Combs, Dan Dyck, Edward Dyck, Jennifer Dyck, Tony Dyck, Laura Harmon, Wayne Hochstetler, Steven Kinser, Anne Miller, John Miller, Jean Muncrief, Jim Smith (compiler — 3002 E. 30th, Hutchinson, KS, 67502).

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

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