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THE WINTER BIRD COUNT FOR 2001

Calvin L. Cink and Roger L. Boyd'

A record 57 winter bird counts were completed during the count period of 14 December 2001 to 14 January 2002. The old record was 55, set in 1998 and 1999. New counts this year were Ingalls/Cimarron and Lovewell Reservoir. Only one count from last year was not completed this year, and five counts from previous years were conducted again. Mild temperatures the first half of the count period and little, if any, snow throughout the count period probably accounted for an excellent turnout of 663 participants (not counting 69 feeder watchers). Only Udall/Winfield experienced foggy conditions throughout their count day. Manhattan had the most participants with 75, followed by Lawrence with 33 and Topeka with 32. Alma/Lake Waubaussee and Seneca had only one observer, and Canyonlands/SE Logan County, Jetmore, Lovewell Reservoir and St. Francis had only two observers. Counts averaged 11.7 participants, 4.8 parties (ranging from 31 at Manhattan to one on four other counts), and 32.5 party hours (range 8 -154.5). Observers traveled 13,606 miles (range 8 at Canyonlands to 534.3 at Lawrence), averaging 238.7 miles per count.

The 160 species recorded is close to the average of 159 for the 1990's. An additional two species were recorded only during the count week; Black-crowned Night-Heron from Cheyenne Bottoms, and Common Yellowthroat from Lovewell Reservoir. No new species were recorded. Manhattan and Linn County's 94 species tied for highest total in the state, followed closely by Lawrence and Udall/Winfield, both with 92 species. Sandhills/Finney County observed the fewest species with 26 and Jetmore had only 28. The average number of species per count was 64. Cheyenne Bottoms observed the highest number of individual birds with 3,506,627 (3,425,775 of which were blackbird species), followed by Olsburg with 967,856 individuals (958,564 of which were crows!). Blackbird species was the most abundant species recorded with 3,429,845, followed by American Crow with 1,008,764, Red-winged Blackbird with 261,214, Canada Goose with 149,893, Mallard with 123,762, and European Starling with 120,896 individuals. Canyonlands/ SE Logan County had the fewest number of individual birds with 597, followed by Camp Naish with 712, and Sandhills/Finney County with 747.

Unusual species for this season included one Pacific Loon at Waconda Lake; three Horned Grebes (one at Linn County and two at Wichita); two Western Grebes (one each at Manhattan and Wilson Reservoir); one Black Duck (Waconda); 65 Greater Scaup (a remarkable 60 at Baldwin, four at Garden City, and one at Wichita); one Long-tailed Duck (Kirwin); one Osprey (Linn County); one Goshawk (Red Hills); five Greater Yellowlegs (two each at Arkansas City and Cheyenne Bottoms, and one at Oskaloosa/Perry Lake); one Spotted Sandpiper (Sawyer); two California Gulls (one each at Cheyenne Bottoms and Wichita); one Tayer's Gull (Waconda); four Inca Doves (one each at Lakin and Syracuse and two at Meade); one White-winged Dove (Ingalls/Cimarron); one Snowy Owl (Leavenworth); two Burrowing Owls (Garden City); four Eastern Phoebe (one each at Linn County, Olsburg, SE Kansas Mined Land, and Wakefield); one Chihuahuan Raven (Cimarron Grasslands); one House Wren (Wilson Reservoir); one Gray Catbird (Scott Lake); two Curve-billed

Thrashers (Cimarron Grasslands); three Orange-crowned Warblers (one at Udall/Winfield and two at Wichita); one Vesper Sparrow (Cimarron Grasslands); one Lark Sparrow (Red Hills); three Le Conte's Sparrows (one each at Arkansas City, Linn County, and Wakefield), three White-winged Crossbills (one at Cheyenne Bottoms and two at Syracuse); four Common Redpolls (two each at Cheyenne Bottoms and Manhattan); and one Evening Grosbeak at Syracuse.

Open water in the first half of the count period (52% of the counts) provided habitat for a variety of waterbirds. Several species were recorded in higher numbers than on the 2000 count, which was colder and had more snow and frozen open water. These included Pied-billed Grebe, White Pelican (348 individuals represents a 76% increase over highest number counted in the 1990's), Double-crested Cormorant, White-fronted Goose, Snow Goose, Ross' Goose, Gadwall, American Wigeon, Pintail, Green-winged Teal, Canvasback, Redhead, Ring-necked Duck, Greater Scaup, Lesser Scaup, Bufflehead, Common Goldeneye, Red-breasted Merganser (72 individuals is a 64% increase over the highest number counted in the 1990's), and Ruddy Duck. A few species showed noticeable declines from last year including Mallard, Hooded Merganser, and Common Merganser (11,571 individuals is the lowest number counted in the 1990's).

Bald Eagle numbers (548) were down about 28% from last year and the lowest recorded since 1994. Perhaps eagles were less concentrated around food sources with all the open water available and less easily counted. Northern Harriers (782) showed a decline of about 30% over last year after holding between 1000 and 1500 birds during the 1990's. Sharp-shinned Hawk, Cooper's Hawk, and Rough-legged Hawk numbers declined slightly from last year, but Ferruginous Hawks and Red-shouldered Hawks were slightly more abundant.

Wild Turkeys continue their marked increase, with this year's 3994 individuals the highest yet recorded in the state. Northern Bobwhites, on the other hand, showed a three-fold decrease in numbers since last year (526 vs. 1769 in 2000). This was their largest single year decline in a progression of declines throughout the 1990's.

Despite the open water and mild temperatures, shorebirds were surprisingly scarce compared with some years. The Spotted Sandpiper at Sawyer is the first in over 10 years. The five Greater Yellowlegs is not a record number (15), but is noteworthy because of its infrequent occurrence on a winter count. Bonaparte's and Ring-billed Gulls were noticeably more abundant this year.

Eurasian Collared Doves increased dramatically this year from last year's high of 44 to 245 (on 15 different counts). This is amazing for a bird that has only been observed on counts for the past four winters. Inca Dove continues to become a regular on recent Kansas winter counts, but its numbers were down this year (4 individuals after a high of 14 last year). White-winged Dove made its first appearance again in over 10 years. Greater Roadrunner was notable in its absence after being on the last three winter counts.

Numbers of Barred Owls increased to 138 (compared to 107 in 2002), but numbers of Screech Owls declined to 98 (127 counted in 2000). Perhaps this is a reflection of owling effort, which is not consistent year to year. Long-eared owls (15 vs. 33 in 2000) and Short-eared Owls (22 vs. 67 in 2000) both declined. Woodpecker numbers increased slightly from the previous year, with the exception of the Red-headed Woodpecker and Ladder-backed Woodpecker. Pileated Woodpecker numbers remained unchanged (42 both years) and at their highest level through the 1990's.

Four Eastern Phoebes lingered in the mild December temperatures (only one observed last year). The Loggerhead Shrike continued its dramatic and troubling decline, with only 42 recorded statewide this year (63 in 2000). Over one million American Crows this year was nearly 15 times as many as last year (66,637), and certainly eclipses even the highest totals for the 1990's.

Increases were noted for common resident species such as Carolina and Black-capped Chickadee, Tufted Titmouse, White-breasted Nuthatch and Eastern Bluebird but were within the range of yearly variation. Carolina Wrens showed a slight increase to 363 individuals after a large decline last year (339 in 2002 from 757 in 1999).

Typical wintering species such as Brown Creeper, Red-breasted Nuthatch, Golden-crowned Kinglet, and Yellow-rumped Warblers showed substantial increases over last year. The 342 Ruby-crowned Kinglets was not only a large increase over the 10 individuals counted last year, but may be one of the highest totals ever recorded. The decrease in Mountain Bluebirds to only 21 birds (672 in 2000) was unexpected and is the lowest number in the 1990's since 1994 (46 birds).

Most sparrows showed increases in their numbers with the exception of the Vesper Sparrow (only one compared to eight in 2000) and Savannah Sparrow (97 compared to 239 in 2000). Juncos showed a substantial increase, with 34,352 individuals counted (all forms) this year, compared to 9759 last year. Longspurs were either conspicuous by their absence (no McCown's Longspur this year) or by their return after their absence last year (Smith's Longspur).

After nearly a decade of Red-winged Blackbird numbers ranging from one to eight million birds, this year's total of 260,837 seems like a large decline. However, many of the three million plus individuals included under blackbird species were probably Red-winged Blackbirds too. Eastern Meadowlarks reversed their decline with a modest increase to 1054 (1003 in 2000) but the Western Meadowlark continued its decline to 2513 individuals (3478 in 2000), well below the average of 4223 for the 1990's. The mild weather undoubtedly contributed to record numbers of Yellow-headed Blackbirds (80) around for this year's count (75 at Lakin, two each at Bonner Springs and Cheyenne Bottoms, and one at Old Garfield).

Wintering Purple Finches increased to 110 individuals this year (52 in 2000) and Pine Siskins increased to 884 (553 in 2000), still well short of the 1141 average of the 1990's. American Goldfinches increased slightly to 5678 individuals (4498 in 2000). Resident House Finches showed a slight decrease, with 4728 recorded this year (slightly above the 4388 average for the 1990's).

There were several Kansas counts submitted to the National Audubon Society's 101st Christmas Bird Count, published in *American Birds*, that were high counts for the 2000-2001 season. Those counts included: 18,000 Common Mergansers at Wilson Reservoir, eight Harlan's Hawks at Arkansas City, one Krider's Hawk at both Arkansas City and Salina (tied with counts in Arizona, Florida and Illinois), 52 Ferruginous Hawks and two Lesser Prairie Chickens at Cimarron National Grassland, 19 Long-eared Owls at Emporia, 6186 Horned Larks at Cimarron National Grassland, 500,000 European Starlings at Arkansas City (tied with count in Jackson, Tennessee), 1670 Harris's Sparrows at Udall/ Winfield, and 33,397 Lapland Longspurs at Scott Lake.

Alma/ Lake Wabaunsee. 38°56'N 96°17'W. Center as described in 1995. 25 December 2001; 7:15 a.m. to 5:15 p.m.; 8°F to 38°F. Wind W 2-15 mph. Still water partly open, moving water partly open; a.m. clear, p.m. cloudy. One observer in 1 party. Total party-hours 10 (3.5 on foot, 6.5 by car) plus 0.5 hours owling. Total party-miles 111 (6 on foot, 105 by car), plus 4.5 miles owling. Total 53 species; 2,335 individuals.

Dan LaShelle (compiler-238 SW Gage Blvd, Apt 1208, Topeka, KS 66606-2059).

Arkansas City. 37°02'N 97°02'W. Center as described in 1978. 21 December 2001; 8:00 a.m. to 5:30 p.m.; 49°F to 32°F. Wind S-N 25+ mph. Still water open, moving water open; a.m. clear to partly cloudy, p.m. cloudy to partly cloudy. Fifteen observers in 6 parties. Total party-hours 53.5 (14.25 on foot, 39.25 by car), plus 7.5 hours owling. Total party-miles 395 (16 on foot, 379 by car), plus 68 miles owling. Total 77 species; 8,783 individuals.

Wallace Champeny, Duane Delong, Jack Dennett, Norma Dennett, Dan S. Kilby, Dan M. Kilby, Patty Marlett, Galen Pittman, David Seibel, Steve Seibel, Shawn Silliman, Eddie Stegall, Savilla Stegall, Gary Straley, Eugene Young (compiler-1707 N 7th St., Arkansas City, KS 67005).

Baldwin. 38°47'N 95°16'W. Center as described in 1986. 29 December 2001; 7:30 a.m. to 5:15 p.m.; 10°F- 25°F. Wind NW 10-20mph. Still water partly open, moving water partly open; am. clear, p.m. clear. Twenty-six observers in 8 parties, plus 4 at feeders. Total party-hours 57 (9 on foot, 48 by car), plus 4 hours at feeders, 3 hours owling. Total party-miles 434 (10 on foot, 424 by car) plus 26 miles miles owling.

Total 85 species; 11,827 individuals.

Richard Bean, Jan Boyd, Roger Boyd (compiler-P. O. Box 65, Baker University, Baldwin City, KS 66006), Grace Brewer, James Brockway, John Brockway, Bill Busby, Cal Cink, Kyle Gerstner, Dan Gish, Pinky Hayes, Katharine Kelley, Michelle Knoll, Bootsie Lauridsen, Linda Lips, Shari McDougal, Marshall Miller, Gerry Parkinson, Barbara Pressgrove, Martin Pressgrove, Floyd Schmidt, Margaret Wedge, Phil Wedge, Roy Wedge, Larry Williams, Heather Wood.

Black Wolf/ NW Ellsworth Co. 38°45'N 98°22'W. Center as described in 1993. 12 January 2002; 7:30 a.m. to 5:00 p.m.; 32°F to 50°F. Wind N 0-20 mph. Still water open, moving water open; a.m. clear, p.m. clear. Nine observers in 3 parties, plus 1 at feeders. Total party-hours 23.5 (3 on foot, 20.5 by car), plus 2 hours at feeders. Total party-miles 287 (3 on foot, 284 by car). Total 59 species; 31,343 individuals.

Doris Burnett, David Klema, Jim Mayhew, Ben Nondorf, Ellen Rader, Heather Rader, Jennifer Rader, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Mike VanStratton, Kevin Winer.

Blue Rapids. 39°41'N 96°30'W. Center as described in 2000. 29 December 2001; 4:30 a.m. to 3:00 p.m.; 12°F to 24°F. Wind N 0-5 mph. Still water frozen, moving water partly open; a.m. partly clear, p.m. partly clear. Twelve observers in 4 parties, plus 10 at feeders. Total party-hours 35.75 (10.75 on foot, 25 by car), plus 26.5 hours at feeders, 3.5 hours owling. Total party-miles 182.25 (9.5 on foot, 172.75 by car), plus 30 miles owling. Total 60 species; 18,148 individuals.

Charles Anderson, Schanee' Anderson, Doris Burnett, Warren Buss, Ted Cable, Rachel Greenwood, Jack Haller, Sandy Harding, Donna Hartman, Chad Hedinger, Don Hirt, Norma Hirt, Jim Mayhew, Pat Osborne, Lori Parker, Tom Parker (compiler-711 Gypsum St., Blue Rapids, KS 66411), Jeanette Pralle, Dan Thalmann, Gwen Turner, Jay Turner, Carroll Whiting, Sarah Whiting.

Bonner Springs/ Lansing. 39°11'N 94°54'W. Center as described in 1995. 30 December 2001; 7:15 a.m. to 5:30 p.m.; 10°F to 25°F. Wind NW 5-15 mph. Still water partly frozen, moving water partly frozen; a.m. cloudy, p.m. partly cloudy. Eleven observers in 4 parties. Total party-hours 36.5 (4 on foot, 32.5 by car), plus 1.75 hours owling. Total party-miles 319.5 (2.5 on foot, 317 by car), plus 19 miles owling. Total 74 species; 13,604 individuals.

Joe Albarty, Ann Brown, Kevin Brown, Lisa Ferro, Mick McHugh, Galen Pittman (compiler-12042 258th St., Lawrence, KS 66044), John Schukman, John Staples, Mike Stewart, Mike Stoakes, Heather Wood.

Camp Naish. 39°04'N 94°54'W. Center as described in 1982. 22 December 2001; 6:15 a.m. to 5:15 p.m.; 52°F to 36°F. Wind SW 22 mph. Still water open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Six observers in 2 parties. Total party-hours 15 (14 on foot, 1 by car), plus 1 hour owling. Total party-miles 12 (11 on foot, 1 by car), plus 2 miles owling. Total 38 species; 605 individuals.

Tom Morey, Alexis Powell, David Reber, Stan Roth (compiler-532 Oklahoma St., Lawrence, KS 66046-4834), Kylee Sharp, Scott Sharp.

Canyonlands: SE Logan Co. 38°48'N 100°55'W. Center as described in 1997. 20 December 2001; 8:45 a.m. to 4:45 p.m.; 22°F to 54°F. Wind N to S 0-10 mph. Still water partly open, moving water open; a.m. clear, p.m. partly cloudy. Two observers in 1 party. Total party-hours 8 (8 on foot, 0 by car). Total party-miles 8 (8 on foot, 0 by car). Total 32 species; 597 individuals.

Christopher Shane, Tom Shane (compiler-1706 Belmont, Garden City, KS 67846). Corrigan County; Count of 29 December 1998, KOS Bull 50(1):4, 1999 should read: Total party-hours 28.5 (28.5 on foot).

Cedar Bluff. 38°45'N 99°46'W. Center as described in 1985. 23 December 2001; 7:40 a.m. to 5:20 p.m.; 16°F to 36°F. Wind N 5-25 mph. Still water mostly open, moving water open; a.m. clear, p.m. clear. Five observers in 2 parties. Total party-hours 17.5 (7.5 on foot, 10 by car). Total party-miles 190 (3 on foot, 187 by car). Total 74 species; 12,206 individuals.

Larry Hesed, Mike Rader, Scott Seltman (compiler-RR1, Box 36, Nekoma, KS 67559), Sara Shane, Tom Shane.

Cheyenne Bottoms. 38°26'N 98°41'W. Center as described in 1977. 20 December 2001; 7:15 a.m. to 5:15 p.m.; 20°F to 54°F. Wind S 0-10 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. clear. Twelve observers in 6 parties, plus 1 at feeders. Total party-hours 30 (12 on foot, 18 by car) plus 1 hour at feeders. Total party-miles 24.25 (12.25 miles on foot, 209 miles by car). Total 90 species; 3,506,672 individuals.

Gary Barr, Karen Ganoung, Ray Ganoung, Kendall Griggs, Karl Grover, Helen Hands (compiler-56 NE 40 Road, Great Bend, KS 67530), Larry Hessed, Jerry Ney, Rob Peuner, Mike Rader, Gene Schneweis, Kim Schneweis.

Cimmarron National Grasslands. 37°07'N 101°52'W. Center as described in 1972. 29 December 2001; 7:45 a.m. to 6:00 p.m.; 14°F to 38°F. Wind SW 5-10 mph. Still water frozen, moving water partly frozen; a.m. partly clear, p.m. partly clear. Ten observers in 4 parties. Total party-hours 47 (7 on foot, 40 by car). Total party-miles 515 (15 by foot, 500 by car). Total 62 species; 6397 individuals.

L. Edwards, M. Gearheart, M. Land, S. Patti (compiler-552 W. Belden Ave., Chicago, IL 60614), L. Smith, L. Smith, R. Smith, M. Thompson, J. Woodard, G. Young.

Dodge City. 37°46'N 100°00'W. Center as described in 1983. 15 December 2001; 7:45 a.m. to 4:00 p.m.; 33°F to 56°F. Wind 15-33 mph. Still water open, moving water clear; a.m. clear, p.m. clear. Seven observers in 3 parties, plus 4 at feeders. Total party-hours 17.25 (0.25 on foot, 15 by car), plus 15 hours at feeders. Total party-miles 215.25 (.25 on foot, 215 by car). Total 34 species; 4144 individuals.

Joyce Davis, Dick Dryden, Pat Dryden, Betty Enlow, Joleen Fromm (compiler-2404 5th Ave., Dodge City, KS 67801), Marsh Gomez, Virginia Pennington, Jackie Trindle, Rae Tweedy, Norma Schoen, Judi Young.

Doniphan County. 39°54'N 95°12'W. Center as described in 1996. 6 January 2002; 7:40 a.m. to 4:40 p.m.; 35°F to 37°F. Wind N 15 mph. Still water frozen, moving water partly open; a.m. cloudy, p.m. cloudy. Five observers in 3 parties. Total party-hours 12 (1 on foot, 11 by car) plus 0.5 hours owling. Total party-miles 124 (1 on foot, 123 by car), plus 4 miles owling. Total 45 species; 17,117 individuals.

Donna Chance, Herb Chance, Galen Pittman, John Shuckman, Mike Stewart (compiler-1100 Wellington Drive, Leavenworth, KS 66048).

El Dorado Lake. 37°51'N 96°48'W. Center as described in 1992. 29 December 2001; 7:30 a.m. to 4:00 p.m.; 15°F to 35°F. Wind N 15 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. partly cloudy. Ten observers in 3 parties. Total party-hours 21 (16 on foot, 5 by car), plus 0.5 hours owling. Total party-miles 186 (5 on foot, 181 by car), plus 2 miles owling. Total 66 species; 9444 individuals.

Bob Broyles, Bill Cooper, Carol Cumberland, Bev DuGay, Marsha Ebaugh, Charlie Green, Michael Heffron, Bill Langley (compiler-2425 Gentry Lane, El Dorado, KS 67042) Patty Marlett, Art Weigand.

Emporia. 38°27'N 96°05'W. Center as described in 1985. 16 December 2001; 8:00 a.m. to 5:00 p.m.; 40°F to 50°F. Wind SW 0-5 mph. Still water open, moving water open; a.m. cloudy, p.m. cloudy. Twelve observers in 6 parties. Total party-hours 35 (15 on foot, 20 by car). Total party-miles 219.5 (8.5 on foot, 211 by car). Total 72 species; 6492 individuals.

Genny Agin, Jenna Ferguson, Roger Ferguson, Sherry Ferguson, Jerry Horak, Bill Jensen, Jenny Jensen, Marvin Kuehn, Paul McKnab, Jethro Runco, Jean Schulenberg (compiler-Rt 2, Box 36, Admire, KS 66830), Kathleen Tabor.

Garden City. 37°55'N 100°47'W. Center as described in 1984. 5 January 1992; 8:00 a.m. to 5:00 p.m.; 26°F to 46°F. Wind NW 8-24 mph. Still water partly open, moving water partly open; a.m. clear, p.m. clear. Fourteen observers in 8 parties, plus 17 at feeders. Total party-hours 39.25 (10.75 on foot, 28.5 by car) plus 32.5 hours at feeders and 1 hour owling. Total party-miles 284 (10 on foot, 274 by car), plus 0.75 miles owling. Total 66 species; 14,212 individuals.

Dan Baffa, Debra Bolton, Barbara Campbell, Cindy Elliott, Jeff Elliott, Cathy Finfrock, Doug Floto, Karin Hinkle, Ron Jameson, Mary Lake, Dan LaShelle, Barb McMinnimy, Art Nonhof, Marie Osterbuhr (compiler-1103 Gillespie Place, Garden

City, KS 67846), Michael Ramsey, Pamela Ramsey, Betty Rich, Leonard Rich, Emaline Scott, Kathy Sexson, Sara Shane, Tom Shane, Charles Stones, Karen Tanner, Wendy White.

Halstead-Newton. 38°04'N 97°28'W. Center as described in 1965. 15 December 2001; 7:00 a.m. to 5:00 p.m.; 37°F to 55°F. Wind S 10-30 mph. Still water open, moving water open; a.m. partly cloudy, p.m. cloudy. Twenty-one observers in 6-8 parties. Total party-hours 56.75 (36 on foot, 20.75 by car). Total party-miles 252.75 (30.5 on foot, 222.25 miles by car). Total 59 species; 9732 individuals.

Joan Breit, Marion Deckert, Bob Dester, Gregg Friesen, Brad Guhr, Lorna Harder, Alison Hiebert, Harvey Hiebert, Marilyn Johnson, Kerrie Kirkpatrick, Aileen McCune, Jim Nickel, Jon Piper, Dwight Platt (compiler-702 NE 24th St., Newton, KS 67114), Bob Regier, Fremont Regier, Carolyn Schwab, John Torline, Nada Voth, Wilma Voth, Rod Wedel.

Hays. 38°51'N 99°27'W. Center as described in 1987. 15 December 2001; 8:00 a.m. to 5:00 p.m.; 30°F to 55°F. Wind W-SW 17 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Twenty six observers in 13 parties, plus 2 at feeders. Total party-hours 53.25 (34.75 on foot, 18.5 by car), plus 6 hours at feeders and 1 hour owling. Total party-miles 305.5 (28.5 on foot, 277 by car), plus 12 miles owling. Total 62 species; 8,039 individuals.

Matt Bain, Brian Bartels, Janeen Brown, Earl Carlson, Sara Kay Carrell, Bob Duffy, Greg Farley (compiler-1000 Park St., Department of Biological Sciences, Fort Hays State University, Hays, KS 67601), Elmer Finck, Lavonne Finck, Eric Gaalock, Hilary Gaalock, Karen Hickman, Eric Johnson, Stephen Kolarik, Margaret Kritsch, Jason Luginbill, John Mayer, Bob Nicholson, Frank Potter, Curtis Schmidt, Jim Schmidt, Bill Stark, Diane Straight, Jamie Timson, Trevor VanBaleen, Curtis Wolf.

Ingalls/ Cimarron. 37°50'N 100°27'W. New Count. Center at junction of Main St. and BNSF Railroad tracks in Ingalls, KS. Includes the towns of Cimarron and Charleston. Habitat in circle; cultivated fields 93%, grassland 3%, riparian 2%, residential 1%, ponds 1%. Elevation: 2660 to 2810 ft. 3 January 2002; 7:50 a.m. to 6:20 p.m.; -2°F to 42°F. Wind S 5-15 mph. Snow, trace. Still water partly open, moving water none; a.m. partly cloudy, p.m. clear. Four observers in 2 parties. Total party-hours 18.5 (4 on foot, 14.5 by car), plus 1 hour owling. Total party-miles 220.5 (3.5 on foot, 217 by car), plus 9.5 miles owling. Total 46 species; 6,181 individuals.

Debra Bolton, Dan LaShelle, Scott Seltman, Tom Shane (compiler-1706 Belmont, Garden City, KS 67846).

Jetmore. 38°03'N 99°53'W. Center as described in 1999. 17 December 2001; 7:50 a.m. to 3:58 p.m.; 23°F to 62°F. Wind S 5 mph. Still water partly open, moving water partly open; a.m. clear, p.m. clear. Two observers in 1 party. Total party-hours 8.25 (0.25 on foot, 8 by car). Total party-miles 128.25 (0.25 on foot, 128 by car). Total 29 species; 3030 individuals.

Joyce Davis (compiler-10874 U.S. 50, Dodge City, KS 67801), Joleen Fromm.

John Redmond Reservoir. 38°16'N 95°49'W. Center as described in 1993. 15 December 2001; 7:00 a.m. to 4:00 p.m.; 41°F to 51°F. Wind SE 15-21 mph. Still water open, moving water open; a.m. cloudy, p.m. cloudy. Eighteen observers in 4 parties. Total party-hours 21 (11 on foot, 10 by car), plus 1 hour owling. Total party-miles 162.5 (13.5 on foot, 149 by car), plus 4 miles owling. Total 69 species; 7007 individuals.

Shawn Birk, Tom Birk, Randy Bodenhammer, Bob Culbertson (compiler-207 Cheyenne, New Strawn, KS 66839), Mark Feltner, Jerry Horak, Shirley Marcotte, Tyson Marcotte, Tim Menard, Jim Minnerath, Sarah Patten, Zack Patten, Frances Ramirez, Marty Ramirez, Gary Simmons, Matthew Simmons, Dan Williamson.

Junction City. 39°00'N 96°53'W. Center as described in 1992. 22 December 2001; 7:00 a.m. to 5:00 p.m.; 26°F to 53°F. Wind S-NW 0-37 mph. Still water open, moving water open; a.m. clear, p.m. partly cloudy. Fourteen observers in 5 parties. Total party-hours 42.25 (19.75 on foot, 22.5 by car), plus 1.67 hours owling. Total party-miles 356.5 (8.5 on foot, 348 by car), plus 27 miles owling. Total 80 species; 14,984 individuals.

Doris Bennett, Will Cornell, Chod Hedding, Carol Hoogheem, Irwin Hoogheem, Jeff Keating, Kerrie Kirkpatrick, Carmalinda Kiser, Celia Markum, Chuck Otte (compiler-613 Tamerisk, Junction City, KS 66441), Jaye Otte, Jethro Runco, Brett Sandercock, Gary Skidmore.

Kanopolis Reservoir. 38°37'N 97°57'W. Center as described in 1983. 6 January 2002; 7:30 a.m. to 5:00 p.m.; 17°F to 44°F. Wind N 10-30 mph. Still water partly frozen, moving water open; a.m. cloudy, light snow, p.m. clear. Nine observers in 4 parties. Total party-hours 31.5 (6 on foot, 25.5 by car), plus 0.5 hours owling. Total party-miles 326 (8 on foot, 318 by car), plus 13 miles owling. Total 78 species; 33,966 individuals.

Doris Burnett, Richard Field, Dan Gish, Chod Hedding, Dan Larson, Jim Mayhew, Ellen Rader, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Jethro Runco.

Kirwin National Wildlife Refuge. 39°42'N 99°08'W. Center as described in 1994. 29 December 2001; 8:00 a.m. to 5:00 p.m.; 15° to 35°F. Wind S 5-10 mph. Still water mostly frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Nine observers in 4 parties, plus 1 at feeders. Total party-hours 30 (1.5 on foot, 28.5 by car), plus 1.5 hours at feeders and 1.5 hours owling. Total party-miles 327 (2.75 on foot, 324 by car) plus 20 miles owling. Total 64 species; 31,606 individuals.

Sherri Baker, Terri Baker, Dolores Knowles, Mike Rader, Debbie Robinson, Shannon Rothchild (compiler-702 E. Xavier Rd, Kirwin, KS 67644), Dave Wangerin, Nancy Wangerin, Kathy Wyrill.

Lakin. 37°59'N 101°15'W. Center as described in 1994. 15 December 2001; 8:00 a.m. to 5:30 p.m.; 33°F to 53°F. Wind S 20-25 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Eight observers in 5 parties, plus 2 at feeders. Total party-hours 25.75 (4 on foot, 21.75 by car), plus 1 hour at feeders. Total party-miles 230.25 (1.25 on foot, 229 by car). Total 62 species; 27,423 individuals.

Bill Daugherty, Gary Daugherty, Art Nonhof, Alan Peters, Bruce Peters, Linda Peters, Marie Osterbuhr, Mike Ramsey, Leonard Rich (compiler-1107 E. Johnson St., Garden City, KS 67846), Tom Shane.

Lawrence. 39°00'N 95°18'W. Center as described in 1981. 15 December 2001; 7:30 a.m. to 5:15 p.m.; 39°F to 52°F. Wind SE 5-17 mph. Still water open, moving water open; a.m. cloudy, p.m. cloudy. Thirty-three observers in 13 parties, plus 1 at feeder. Total party-hours 107.25 (36.25 on foot, 63 by car), plus 3 hours at feeder, 8.75 hours owling, 8 hours canoeing. Total party-miles 612.25 (36.25 on foot, 563 by car), plus 77 miles owling, 13 miles canoeing. Total 92 species; 24,400 individuals.

Bob Antonio, Bill Berkowitz, David Berkowitz, Jack Berkowitz, Roger Boyd, Sue Calhoun, Calvin Cink, Janice Conrad, Mark Corder, Bill Dodd, Dee Hansen, Eric Hansen, David Herrin, Joe Hyde, Susan Iverson, Mick McHugh, Duane Otto, Gerry Parkinson, Galen Pittman (compiler-12042 258th St., Lawrence, KS 66044), Alexis Powell, Stan Roth, Bob Rucker, Richard Rucker, David Seibel, Dawn Sharp, Kylee Sharp, Scott Sharp, Cynthia Shaw, Ed Shaw, Barbara Smith, Gerald Sneegas, Joyce Wolf, Ron Wolf.

Leavenworth-Atchison. 39°23'N 95°00'W. Center as described in 1992. 29 December 2001; 5:30 a.m. to 5:00 p.m.; 12°F to 24°F. Wind NW 10 mph. Still water frozen, moving water partly frozen; a.m. clear, p.m. clear. Seven observers in 3 parties, plus 3 at feeders. Total party-hours 29 (6 on foot, 23 by car), plus 2 hours at feeders, 1.5 hours owling. Total party-miles 241 (6 on foot, 235 by car), plus 12 miles owling. Total species 68; 69,187 individuals.

Chuck Allen, Arnold Arts, Charlene Arts, Mike Beck, John Burwell, Galen Pittman, Richard Rucker, John Schukman (compiler-14207 Robin Rd., Leavenworth, KS 66048), Roseanne Smith, Mike Stewart.

Linn County. 38°17'N 94°45'W. Center as described in 1982. 22 December 2001; 7:30 a.m. to 5:15 p.m.; 59°F to 35°F. Wind S a.m., N p.m. 25 mph. Still water open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Thirteen observers in 5 parties. Total party-hours 48 (8 on foot, 40 by car) plus 3.5 hours owling. Total

party-miles 494 (8 on foot, 486 by car), plus 53 miles owling. Total 94 species; 70901 individuals.

Don Arney, Jan Boyd, Roger Boyd (compiler-Biology Dept., Baker University, Baldwin City, KS 66006), Elaine Corder, Mark Corder, Matt Gearheart, Mark Land, Lynn Miller, Mary Mira, Barbara Pressgrove, Martin Pressgrove, Mike Van Stratton, Kevin Winer.

Lovewell Reservoir. 39°51'N 98°07'W. New Count. Center at 4 mi. N of junction of highways K-14 and US-36 (about 6.3 mi. NE of Mankato, Jewell County). 30 December 2001; 7:40 a.m. to 5:20 p.m.; 6°F to 28°F. Wind NW 0-15 mph. Still water partly open, moving water frozen; a.m. cloudy, p.m. clear. Two observers in 2 parties. Total party-hours 11.5 (6 on foot, 5.5 by car), plus 2.5 hours owling. Total party-miles 131.5 (9 on foot, 122.5 by car), plus 36.5 miles owling. Total 58 species; 17,901 individuals.

Dan LaShelle (compiler-238 Sw Gage Blvd, Apt. 1208, Topeka, KS 66606-2059), Rob Unruh.

Manhattan. 39°11'N 96°34'W. Center as described in 1993. 15 December 2001; 5:00 a.m. to 6:00 p.m.; 38°F to 55°F. Wind S 20 mph. Still water open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Seventy-five observers in 31 parties, plus 2 at feeders. Total party-hours 154.5 (102.5 on foot, 48 by car), plus 6 hours at feeders, 3 hours owling. Total party-miles 534.25 (115.25 on foot, 419 by car), plus 17.2 miles owling. Total 95 species; 66,714 individuals.

Jan Allen, Jerry Best, Carla Bishop, Dianna Blake, Kevin Blake, Bob Bowden, Daniel Bowden, Doris Burnett, Chuck Bussing, Ted Cable, Brock Dale, Elizabeth Dodd, Michael Donnelly, Pat Duncan, Leon Edmonds, Molly Edmonds, Clyde Ferguson, Lena Ferguson, Ann Feyerharm, Keith Gido, Christian Hagen, Pat Hall, Leann Harrell, Chod Hedinger, Melissa Hill, Greg Hoch, Carol Hoogheem, Hoogy Hoogheem, Eva Horne, Cindy Jeffrey, Jeff Jeffrey, William Jensen, Lowell Johnson, Stephen Kitchel, Ron Klataske, Jim Koelliker, Amanda Kuhl, Roma Lenehan, Mark Mayfield, Barry Michie, Cale Minton, Bob Mohr, Jr., Bob Mohr, Sr., Beth Montelone, Marge Muenzenberger, Jack Oviatt, Peter Oviatt, Susan Oviatt, Tom Parker, Ryan Rehmeier, David Rintoul (compiler-Biology Division, Kansas State University, Manhattan, KS 66506), Jethro Runco, Brett Sandercock, Gary Schrott, Gary Shaver, Chris Smith, Richard Smith, Ted Smith, Gerry Snyder, Madonna Stallman, Dean Stramel, Janet Stramel, Gibran Suleiman, Dana Townsend, Harvard Townsend, Jim Urban, Elizabeth Vanderlip, Ellen Welti, Laura Welti, Ruth Welti, Dave Winden, Marci Winden, Don Wissman, Kim With, Gary Woods, Patricia Yeager, Tami Yeager.

Meade County. 37°15'N 100°20'W. Center as described in 1985. 27 December 2001; 8:00 a.m. to 5:00 p.m.; 25°F to 50°F. Wind N 0-10 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. clear. Four observers in 2 parties, plus 4 at feeders. Total party-hours 15 (9.5 on foot, 5.5 by car), plus 8 hours at feeders and 2 hours owling. Total party-miles 122.5 (7.5 on foot, 115 by car), plus 26 miles owling. Total 52 species; 4,165 individuals.

Audrey Flowers, Kristen Flowers, Steven Flowers, Thomas Flowers (compiler-P.O. Box 87, Meade, KS 67864), Mark Goldsberry, Scott Seltman, Tom Shane.

Olathe. 38°55'N 94°51'W. Center as described in 1986. 15 December 2001; 7:00 a.m. to 3:00 p.m.; 40°F to 50°F. Wind E 20 mph. Still water open, moving water open; a.m. cloudy, p.m. cloudy. Seven observers in 4 parties, plus 1 at feeders. Total party-hours 26.75 (10.75 on foot, 16 by car), plus 2 hours at feeders and 4 hours owling. Total party-miles 262.5 (9 on foot, 253.5 by car), plus 33 miles owling. Total 65 species; 9278 individuals.

Steve Crawford, David Weiss, Nancy Fitzgerald, Don Weiss (compiler-12100 Cherry, Olathe, KS 66061).

Old Garfield County. 37°59'N 101°15'W. Center as described in 1993. 2 January 2002; 7:45 a.m. to 4:30 p.m.; -1°F to 30°F. Wind WNW 10 mph. Still water frozen, moving water frozen; a.m. partly cloudy, p.m. clear. Seven observers in 4 parties. Total party-hours 19.75 (4 on foot, 15.75 by car). Total party-miles 215. (5.5 on foot, 209.5 by car). Total 34 species; 11,640 individuals.

Barbara Campbell (compiler-709 W. Maple, Garden City, KS 67846), Bob Campbell, Dan La Shelle, Marie Osterbuhr, Betty Rich, Leonard Rich, Tom Shane.

Olsburg. 39°25'N 96°39'W. Center as described in 1991. 17 December 2001; 7:50 a.m. to 5:30 p.m.; 20°F to 46°F. Wind S-SW 0-10 mph. Still water open, moving water open; a.m. clear, p.m. partly clear. Eight observers in 4 parties, plus 4 at feeders. Total party-hours 32 (4 on foot, 28 by car), plus 11 hours at feeders. Total party-miles 221 (4 on foot, 217 by car). Total 87 species; 968,503 individuals.

Doris Burnett, Ann Feyerharm, Jean Giddis, Carol Hoogheem, Erwin Hoogheem, Cindy Jeffrey, Gary Jeffrey (compiler-15850 Galilee Rd, Olsburg, KS 66520), Lyndia Jorgenson, Chet Rosell, Mary Rosell, John Wesley, Margaret Wooten.

Oskaloosa/ Perry Lake. 39°12'N 95°24'W. Center as described in 1980. 16 December 2001; 6:30 a.m. to 5:00 p.m.; 45°F to 49°F. Wind calm. Still water open, moving water open; a.m. cloudy, p.m. cloudy. Fourteen observers in 7 parties. Total party hours 51 (11.75 on foot, 39.25 by car), plus 2.25 hours owling. Total party-miles 352.75 (15.75 on foot, 337 by car), plus 17 miles owling. Total 85 species; 19,636 individuals.

Bob Antonio, Richard Bean, Joanne Brier, Dan Larson, Mick McHugh, Duane Otto, Galen Pittman, Marie Plinsky, Bob Rucker, Richard Rucker (compiler-121 E. 17th St., Lawrence, KS 66044-4233), John Schukman, Roseanne Smith, Mike Stewart, Terry Sullivan.

Parsons. 37°30'N 95°15'W. Center as described in 1996. 5 January 2002; 8:00 a.m. to 2:30 p.m.; 21°F to 40°F. Wind SW 5 mph. Snow 0.25 in. Still water frozen, moving water partly open; a.m. cloudy, p.m. cloudy. Five observers in 3 parties. Total party-hours 12.25 (all by car). Total party-miles 141 (all by car). Total 54 species; 2,730 individuals.

Mary Haynes, Liz Mangile, Robert Mangile, Paul Milks (compiler-2624 Gabriel, Parsons, KS 67357), Richard Tucker.

Pomona Lake. 38°40'N 95°41'W. Center as described in 1993. 5 January 2002; 7:30 a.m. to 3:00 p.m.; 17°F to 44°F. Wind calm. Still water frozen, moving water partly open; a.m. cloudy, p.m. partly clear. Twelve observers in 6 parties, plus 1 at feeders. Total party-hours 26.75 (3.25 on foot, 23.5 by car), plus 4 hours at feeders. Total party-miles 290.5 (3.25 on foot, 287.5 by car). Total 68 species; 27,186 individuals.

Jeffrey Bender (compiler-Pomona State Park, 22900 S. Hwy. 368, Vassar, KS 66543), Joanne Brier, Will Chatfield, Bob Culbertson, Richard Field, Matt Gearheart, Alan Godwin, Joanna Lacoursiere, Dan Larson, Sarah Merrill, Carolyn Roller, Dick Roller.

Quivira National Wildlife Refuge. 38°09'N 98°29'W. Center as described in 1972. 14 December 2001; 7:30 a.m. to 5:30 p.m.; 27°F to 50°F. Wind S 10-15 mph. Still water open, moving water open; a.m. partly cloudy, p.m. clear. Seven observers in 2-3 parties. Total party-hours 19.5 (2 on foot, 17.5 by car). Total party-miles 212 (2 on foot, 210 by car). Total 58 species; 77,243 individuals.

Levi Beaver, Lorrie Beck, Wallace Champeny, Bob Gress, Dan Kilby, Patty Marlett, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490).

Red Hills. 37°13'N 98°42'W. Center as described in 1994. 5 January 2002; 5:30 a.m. to 5:30 p.m.; 30°F to 51°F. Wind N 6-15 mph. Still water partly open, moving water open. a.m. partly cloudy, p.m. partly cloudy. Twenty-three observers in 4 parties. Total party-hours 38.5 (16.5 on foot, 22 by car), plus 2.5 hours owling. Total party-miles 235 (11 miles on foot, 224 by car), plus 20 miles owling. Total 73 species; 10,286 individuals.

Dennis Angle, Bob Broyles, Wally Champeny, Mark Corder, Carol Cumberland, Marsha Ebaugh, Gregg Friesen, Kyle Gerstner, Pete Janzen (compiler-3137 Mascot, Wichita, KS 67204), Dan Kilby, Kerrie Kirkpatrick, Nancy Lesan, Carol Mammolitti, Patty Marlett, Cheryl Miller, Alexis Powell, Jane Queal, Dale Randall, Stan Roth, Cam Rother, Eddie Stegall, Savilla Stegall.

St. Francis. 39°43'N 101°52'W. Center as described in 1988. 6 January 2002; 8:15 a.m. to 6:00 p.m.; 28°F to 42°F. Wind NW 3-28 mph. Still water partly open, moving water partly frozen; a.m. partly clear, p.m. clear. Two observers in 1-2 parties. Total

party-hours 15.75 (7.25 on foot, 8.5 by car), plus 1 hour owling. Total party-miles 181 (11.5 on foot, 169.5 by car), plus 2.5 miles owling. Total 45 species; 2,276 individuals.

Henry Armknecht, Dan LaShelle (compiler-238 SW Gage Blvd., Apt. 1208, Topeka, KS 66606-2059).

Salina. 38°50'N 97°38'W. Center as described in 1983. 15 December 2001; 7:15 a.m. to 5:15 p.m.; 34°F to 50°F. Wind S 25 mph. Still water open, moving water open; a.m. clear, p.m. clear. Twelve observers in 4 parties, plus 2 at feeders. Total party-hours 32.75 (12.5 on foot, 20.25 by car), plus 3 hours at feeders and 2 hours owling. Total party-miles 304.5 (8 on foot, 296.5 by car), plus 10 miles owling. Total 57 species; 5,977 individuals.

Clara Bruha, Dennis Farres, Kat Farres, David Haight, Kevin Haight, Neva Heikes, Bob Highgate, Nancy Highgate, Harold Lear (compiler-612 Max Avenue, Salina, KS 67401-6661), Patricia Remley, Marge Streckfus, Judy Zanardi.

Sandhills/ Finney County. 37°50'N 101°03'W. Center as described in 1999. 13 January 2002; 7:50 a.m. to 6:30 p.m.; 36°F to 55°F. Wind N-NW 5-40 mph. Still water open, moving water none; a.m. partly cloudy, p.m. partly cloudy. Nine observers in 3 parties. Total party-hours 12 (2.5 on foot, 9.5 by car). Total party-miles 118 (2 on foot, 116 by car). Total 26 species; 747 individuals.

Dan LaShelle, Cecilia Ramsey, Eliesa Ramsey, Grant Ramsey, Mike Ramsey, Pam Ramsey, Curran Salter, Sara Shane, Tom Shane (compiler-1706 Belmont, Garden City, KS 67846).

Sawyer. 37°32'N 98°41'W. Center as described in 1979. 15 December 2001; 8:00 a.m. to 5:00 p.m.; 34°F to 56°F. Wind S 20 mph. Still water open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Thirteen observers in 7 parties. Total party-hours 15 (9 on foot, 6 by car). Total party-miles 94 (4 on foot, 90 by car). Total 52 species; 10,324 individuals.

Ken Brunson (compiler-40050 NE 10 St., Pratt, KS 67124), Lee Ann Brunson, Kristen Hase, Linda Loomis, Carol Mammolitti, Judy Parsons, Lee Queal, Loren Sill, Eleanor Strait, Gale Thompson, Bob Wood.

Scott Lake. 38°35'N 100°56'W. Center as described in 1987. 29 December 2001; 7:30 a.m. to 5:30 p.m.; 4°F to 27°F. Wind N 1 mph. Still water frozen, moving water partly open; a.m. partly cloudy, p.m. partly cloudy. Six observers in 2 parties, plus 1 at feeders. Total party-hours 15 (5 on foot, 10 by car), plus 1 hour at feeders. Total party-miles 119 (4 on foot, 115 by car). Total 63 species; 16,178 individuals.

Doug Floto, Everett Norman, Marie Osterbuhr, Betty Rich, Leonard Rich, Sara Shane (compiler-1706 Belmont, Garden City, KS 67846), Tom Shane.

Seneca. 39°47'N 96°05'W. Center as described in 1996. 14 December 2001; 7:15 a.m. to 5:00 p.m.; 26°F to 46°F. Wind S-SW 0-20 mph. Still water open, moving water open; a.m. cloudy, p.m. partly cloudy. One observer in 1 party. Total party-hours 9.75 (6 on foot, 3.75 by car), plus 0.75 hours owling. Total party-miles 118 (8 on foot, 110 by car), plus 7.5 miles owling. Total 44 species; 1491 individuals.

Dan LaShelle (compiler-238 SW Gage Blvd., Apt. 1208, Topeka, KS 66606-2059).

Slate Creek Wetlands/ Oxford. 37°15'N 97°15'W. Center as described in 1995. 18 December 2001; 8:00 a.m. to 5:30 p.m.; 29°F to 41°F. Wind S 0-10 mph. Still water open, moving water open; a.m. clear, p.m. clear. Six observers in 3 parties, plus 2 at feeders. Total party-hours 23.5 (4.75 on foot, 18.75 by car), plus 1.5 hours at feeders and 2 hours owling. Total party-miles 211.5 (4.5 on foot, 207 by car), plus 30 miles owling. Total 83 species; 28,858 individuals.

Wallace Champeny, Jack Dennett, Norma Dennett, Patty Marlett, Max Thompson, Eugene Young (compiler-1707 N 7th St, Arkansas City, KS 67005).

Southeast KS Mined Land. 37°14'N 94°58'W. Center as described in 1992. 1 January 2002; 7:15 a.m. to 5:00 p.m.; 15°F to 30°F. Wind NNW 5 mph. Still water frozen, moving water partly open; a.m. clear, p.m. clear. Eighteen observers in 7 parties. Total party-hours 45.75 (7 on foot, 38.75 by car), plus 0.5 hours owling. Total party-miles 279.25 (2 on foot, 277.25 by car), plus 1.5 miles owling. Total 77 species; 7,178 individuals.

Jacob Abshire, Claudia Ausemus, Jim Ausemus, Mavis Benner, Colleen Brooks,

Pam Cress, Cindy Ford, Steven Ford (compiler-Biology Department, Pittsburg State University, Pittsburg, KS 66762), David Henness, Larry Herbert, Barry Jones, Elizabeth Mangile, Robert Mangile, Chuck Spelman, Emmett Sullivan, Victor Spellman, Ann Willis, Roger Willis.

Syracuse. 38°00'N 101°52'W. Center as described in 1994. 12 January 2002; 8:00 a.m. to 5:00 p.m.; 23°F to 55°F. Wind N 2 mph. Still water partly frozen, moving water open; a.m. clear, p.m. clear. Nine observers in 4 parties. Total party-hours 30.5 (14 on foot, 16.5 by car). Total party-miles 230.5 (13 on foot, 217.5 by car). Total 64 species; 3585 individuals.

Doug Floto, Dan LaShelle, Arthur Nonhof (compiler-7560 Lindsay Dr., Holcomb, KS 67851-9783), Marie Osterbuhr, Bruce Peters, Mike Ramsey, Pam Ramsey, Scott Seltman, Tom Shane.

Topeka. 39°02'N 95°40'W. Center as described in 1972. 15 December 2001; 7:00 a.m. to 5:00 p.m.; 41°F to 50°F. Wind SE 13 mph. Still water open, moving water open; a.m. clear, p.m. partly cloudy. Thirty-two observers in 12 parties, plus 3 at feeders. Total party-hours 94 (49.25 on foot, 44.75 by car), plus 18 hours at feeders. Total party-miles 479.75 (50.5 on foot, 429.25 by car). Total 79 species; 21,047 individuals.

Judy Billings, Joanne Brier, Evelyn Davis, Marno Engler, Frank Esposito, Bob Foster, Dan Gish, Dean Grisell, Gladys Grisell, Gary Haden (compiler-5225 SW 12th St, Topeka, KS 66604), Jeff Hansen, Brian Hess, Jerry Hunt, Scottie Johnson, Glen Koontz, Joanna LaCoursiere, Dan Larson, Bob Lawson, Andrew Lentfer, David Lentfer, Penny Lentfer, Richard Martin, Bob McElroy, Sarah Merrill, Susan Miller, Alan Pollom, Melody Pollom, Joanne Ramberg, Rhonda Simpson, Pat Stein, Austin Vigil, Linnae Vigil, Janeen Walters, Lil Willis, Paul Willis, Tracy Wohl.

Udall/ Winfield. 37°16'N 96°59'W. Center as described in 1972. 16 December 2001; 8:00 a.m. to 5:00 p.m.; 44°F to 47°F. Wind N 0-8 mph. Still water open, moving water open; a.m. foggy, light rain, p.m. foggy, no rain. Eleven observers in 5 parties. Total party-hours 40.5 (4.75 on foot, 35.75 by car), plus 3.5 hours owling. Total party-miles 402 (7 on foot, 395 by car), plus 69 miles owling. Total 86 species; 28972 individuals.

Betty Anderson, Duane Anderson, Wallace Champeny, Jack Dennett, Norma Dennett, Kevin Groeneweg, Max Thompson (compiler- 1729 E. 11th Ave., Winfield, KS 67156), Donna Wilt, Bob Wimmer, Brad Wimmer, Gene Young.

Ulysses. 37°30'N 101°18'W. Center as described in 1994. 1 January 2002; 8:00 a.m. to 5:15 p.m.; 14°F to 34°F. Wind N 0-10 mph. Still water partly open, moving water none; a.m. cloudy, foggy, p.m. cloudy, foggy, occasional snow showers both a.m. and p.m. Seven observers in 3 parties. Total party-hours 22 (10 on foot, 12 by car), plus 1 hour owling. Total party-miles 221.5 (12.25 on foot, 209 by car), plus 8.5 miles owling. Total 49 species; 8,617 individuals.

Sam Guy, Kellye Hart, Dan LaShelle (compiler-238 SW Gage Blvd., Apt. 1208, Topeka, KS 66606-2054), Marion McGlohon, Sara Shane, Tom Shane, Jeff Trotman.

Waconda Lake. 39°28'N 98°22'W. Center as described in 1992. 15 December 2001; 7:00 a.m. to 5:00 p.m.; 30°F to 50°F Wind SW 15-30 mph. Still water open, moving water open; a.m. partly cloudy, p.m. clear. Three observers in 2 parties. Total party-hours 16 (4 on foot, 12 by car). Total party-miles 160 (3 on foot, 157 by car). Total 72 species; 46,149 individuals.

Henry Armknecht, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Scott Seltman.

Wakefield. 39°13'N 96°58'W. Center as described in 1992. 16 December 2001; 7:30 a.m. to 4:45 p.m.; 40°F to 46°F. Wind SW-NW 0-15 mph Still water open, moving water open; a.m. foggy, p.m. partly cloudy. Seven observers in 4 parties Total party-hours 27 (4.75 on foot, 22.25 by car), plus 3.25 hours owling. Total party-miles 237.5 (5.75 on foot, 231.75 by car), plus 25.25 miles owling. Total 80 species; 83,932 individuals.

Doris Burnett, Chod Hedinger, Carol Hoogheem, Irwin Hoogheem, Jeff Keating, Chuck Otte (compiler-613 Tamerisk, Junction City, KS 66441), Jaye Otte.

Webster Reservoir. 39°25'N 99°24'W. Center as described in 1992. 2 January

2002; 7:30 a.m. to 6:00 p.m.; 10°F to 25°F. Wind N 0-5 mph. Still water frozen, moving water partly frozen; a.m. partly cloudy, p.m. clear. Three observers in 2-3 parties. Total party-hours 17.5 (5 on foot, 12.5 by car). Total party-miles 190 (5 on foot, 185 by car). Total 75 species; 25,346 individuals.

Henry Armknecht, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Michael Zajic.

Wichita. 37°41'N 97°21'W. Center as described in 1955. 15 December 2001; 5:30 a.m. to 5:15 p.m.; 38°F to 52°F. Wind SSE 15-25 mph. Still water open, moving water open; a.m. clear, p.m. partly cloudy. Twenty-four observers in 6 parties, plus 3 at feeders. Total party-hours 57.5 (35 on foot, 16.6 by car), plus 6 hours at feeders and 1.5 hours owling. Total party-miles 355.5 (32.5 on foot, 323 by car), plus 15 miles owling. Total 87 species; 46,280 individuals.

Bill Beard, Nancy Beard, Mary Butel, Walker Butin, Wallace Champeny, Tanya Couture, Duane Delong, Chet Gresham, Bob Gress, Kevin Groeneweg, Rick Goodrick, Pete Janzen (compiler-3137 Mascot, Wichita, KS 67204-0182), Dan Kilby, Patty Marlett, Jim Mason, Bev Maxey, Cheryl Miller, John Northrup, Dale Randall, Ben Rogers, Eddie Stegall, Savilla Stegall, Sister Patricia Stanley, Sandra Tholen.

Wilson Reservoir. 38°56'N 98°34'W. Center as described in 1994. 16 December 2001; 7:30 a.m. to 5:30 p.m.; 31°F to 50°F. Wind NW 5-15 mph. Still water open, moving water open; a.m. cloudy, p.m. clear. Eight observers in 3 parties. Total party-hours 21.5 (6 on foot, 15.5 by car). Total party-miles 285 (5 on foot, 280 by car). Total 75 species; 6456 individuals.

Henry Armknecht, Greg Nichols, Ryan Nichols, Ben Nondorf, Ellen Rader, Heather Rader, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Scott Seltman.

Yoder. 37°55'N 97°50'W. Center as described in 2000. 18 December 2001; 8:00 a.m. to 3:00 p.m.; 30°F to 65°F. Wind S 5-15 mph. Still water open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Ten observers in 4 parties. Total party-hours 20.5 (4 on foot, 16.5 by car). Total party-miles 183.75 (5.25 on foot, 178.5 by car). Total 51 species; 11,401 individuals.

Levi Beaver, Mary Clark (compiler-Dillon Nature Center, 3002 E 30th, Hutchinson, KS 67502), Dan Dyck, Jennifer Dyck, Linda Dyck, Steve Kinser, Jay Miller, Verna Miller, Ann Regier, Jim Smith.

¹*Biology Department, Baker University, PO Box 65, Baldwin City, KS 66006.*

Species	Alma	Arkansas City	Baldwin	Black Wolf	Blue Rapids	Bonner Springs	Camp Naish	Canyon Lands	Cedar Bluff	Cheyenne Bottoms	Cimarron Grasslands	Dodge City	Doniphan	El Dorado	Emporia
Pacific Loon															
Common Loon						1									
Pied-billed Grebe	6	cw	22			3									
Horned Grebe									6	2					3
Western Grebe															
Am. White Pelican										2					
Double-crested Cormorant		6							1					1	4
Great Blue Heron		8	2				1	1	6	35		cw		3	
Black-crowned Night-Heron										cw					
Gr. White-fronted Goose	cw								1	12736				2	
Snow Goose, White form		2	10		26	1			90	15401		10	7230		30
Blue Form					9	1				350			3020		
Ross' Goose						1			1	2			50		
Canada Goose	728	1402	1190		47	4000	33		3506	24832		463	100	3525	706
Goose sp.										756					
Wood Duck		cw	13							15					2
Gadwall	1	65	284			70			12	14					5
Am. Wigeon	1	2	23			1			5	3		cw			8
Am. Black Duck															
Mallard	199	96	731	13	58	2000	8	360	1800	10245		33	5500		329
Blue-winged Teal										3					
N. Shoveler	cw	1	1			7				40		cw			
N. Pintail	1					1		6	1	954					
Green-winged Teal	1		1					1	1	202					
Canvasback	5							1	1	cw					2
Redhead	3		8							2					
Ring-necked Duck	215	1	cw			9			2			cw			6
Greater Scaup			60												
Lesser Scaup	3	5	63			15			4	42		1			
Long-tailed Duck															
Bufflehead			56			6				cw				1	
Common Goldeneye	23	2	115		13	600			9	6			7	54	12
Hooded Merganser		2	1		5	22				35					
Common Merganser	5		2			200			1	6			22	16	
Red-breasted Merganser	1														
Ruddy Duck			2			1				5					
duck sp.		34			1					87					
Osprey															
Bald Eagle	1	29	5	3	10	13	1		30	8	1		12	19	2
N. Harrier	2	18	8	12	2	4		1	20	119	27	2	6	10	13
Sharp-shinned Hawk	cw	4	1	2	3			1	1	3	2				2
Cooper's Hawk			1	2	1	1				4	2				2
N. Goshawk															
Accipiter sp.					2		1								
Red-shouldered Hawk															
Red-tailed Hawk	16	43	68	29	44	65	5		23	52	13	11	18	34	29
Harlan's			3		2										2
Ferruginous Hawk									1	2	38	2			
Rough-legged Hawk	cw	1		3		1			5	11	36	1		5	1
Buteo sp.										2					
Golden Eagle									1		2				
Am. Kestrel	3	21	21	26	1	23		1	9	11	28	4	8	5	6
Merlin				1					1	3	7		1	1	
Peregrine Falcon															
Prairie Falcon				1					2	10	9	3		1	
Falco sp.										1					
Ring-necked Pheasant				12	9				2	24	17	1			1
Greater Prairie-Chicken															1
Lesser Prairie-Chicken															1
Wild Turkey	60	1	1	190	158	36	20			cw				180	4
Scaled Quail															
N. Bobwhite		16		3	3	30		12		cw	28		12	11	13
Virginia Rail		1							1		17				
Am. Coot	2		3			4			250	110		cw			
Sandhill Crane										2626					
Killdeer	cw	10				2									
Greater Yellowlegs		2								2					
Spotted Sandpiper															
Common Snipe			1			1				cw					
Bonaparte's Gull		38													
Ring-billed Gull	cw	36	2	4		56	14		360	420	2			779	107
California Gull										1					
Herring Gull									15	74					
Thayer's Gull															
gull sp.		10								4					
Rock Dove	20	55	87	67	49	31	12		100	23	127	117	34	61	71
Eurasian Collared Dove										2	41				
Streptopelia spp.															
White-winged Dove															
Mourning Dove	117	52	72		11	97	2	66		1	189	26		5	40
Inca Dove															
Barn Owl															
E. Screech-Owl	1	12	5	3	4	3	1		2	cw	2				
Great Horned Owl		10	9	1	3	2	2	2	3	1			2	2	1
Snowy Owl									3	8		5	1		2
Burrowing Owl															
Barred Owl	3	14	8		2	4	1				cw				
Long-eared Owl				1					1		1		2	6	3
Short-eared Owl			1												1
Belted Kingfisher	3	4	2	1	1	3				3					5
Red-headed Woodpecker		1	2			40							8		7

Species	Alma	Arkansas City	Baldwin	Black Wolf	Blue Rapids	Bonner Springs	Camp Naish	Canyon Lauds	Cedar Bluff	Cheyenne Bottoms	Cimarron Grasslands	Dodge City	Doniphan	El Dorado	Emporia
Red-bellied Woodpecker	22	44	93	10	45	65	13	2	4	5	1		20	36	25
Yellow-bellied Sapsucker	2	2	7		5	2	1								1
Ladder-backed Woodpecker										1					
Downy Woodpecker	4	27	73	22	27	53	14	2	7	4	7	2	19	20	23
Hairy Woodpecker	8	4	16	3	6	1	6	2	2	2	1		2	6	5
N. Flicker		12	17	6	9		11	4		29	17			21	
Yellow-shafted	13	15	34	2	31	34		4	20	3	2	1	22	9	23
Red-shafted	1	1	1	1	1				6	3	26			2	
Pileated Woodpecker		3	4				1								
Eastern Phoebe															
Loggerhead Shrike	1	1	2		1				1		3				2
N. Shrike											2				
Blue Jay	8	89	115	4	107	149	19		1	1	10	3	20	10	82
Black-billed Magpie				11				2	10	2	74	7			
Am. Crow	73	572	489	97	11601	293	19		75	61	10	79	65	116	293
Chihuahuan Raven										1					
Horned Lark	cw	61	125	172	582	20		3	350	20	1251	1540	23	236	
Carolina Chickadee		153	1												
Black-capped Chickadee	23		213	81	97	198	70		27	64			30	104	90
Tufted Titmouse	15	46	91		36	97	35						24	53	26
Red-breasted Nuthatch		cw	7	1	6	2		1		5	1	2		7	5
White-breasted Nuthatch	8	17	38	12	36	23	11	1	7	3	2		18	17	18
Brown Creeper	1	3	3	2	9	1							2	7	1
Rock Wren								4							
Carolina Wren	5	3	3	1	2	2	6						2	18	5
Bewick's Wren	cw	2												2	
House Wren										1					
Winter Wren				1			2		1	1				4	
Marsh Wren									2	9	3				
Golden-crowned Kinglet	5	1	1	2	10	16	15		1	4			5	12	7
Ruby-crowned Kinglet	1	13	5	3	163	1		1	1	2				4	
E. Bluebird	21	111	211	38		118	55	2	23	1			23	54	24
Mountain Bluebird									1						
Townsend's Solitaire				1	2			1	2		9			2	
Hermit Thrush			1				3		1						
<i>Catharus</i> sp.															
Am. Robin	69	77	2276	70	248	231	2		75	2	70		49	146	139
Gray Catbird															
N. Mockingbird		17	18			11								3	2
Brown Thrasher															
Curve-billed Thrasher											2				
European Starling	195	2318	1533	475	1855	3000	12	5	2500	7654	85	793	180	714	2238
Cedar Waxwing	cw	40	163		11	227			5		30	cw		7	24
Orange-crowned Warbler															
Yellow-rumped Warbler	cw	42	60	4	3	4	1			12	1			7	
Com. Yellowthroat															
Spotted Towhee		15	2	3	1	2		1	3	2	1				3
E. Towhee															1
Am. Tree Sparrow	157	32	201	879	614	26		31	400	329	285		134	514	314
Field Sparrow		10		1							3			5	
Vesper Sparrow											1				
Lark Sparrow															
Savannah Sparrow		8	9											1	
LeConte's Sparrow		1													
Fox Sparrow		9	5		1				1	1	1				1
Song Sparrow	11	28	40	40	8	20	16	5	8	35	1		13	16	211
Lincoln's Sparrow			5	3		cw				1				1	
Swamp Sparrow			5		1						3				3
White-throated Sparrow		4	14			3				8			2		
Harris' Sparrow	74	362	259	373	350	33			46	126	4		20	173	396
White-crowned Sparrow		23	12	12	32	36			1		326	1		2	10
Dark-eyed Junco		119	115	416	637		106	41	50	315	140			736	
White-winged								1							
Slate-colored	114	452	793	40		520		4	30	75	144	45	149	167	190
Oregon	5	6	3	3	1			6	32	10	39	3	5		1
Pink-sided											20				
Gray-headed											1				
Lapland Longspur	cw	140	1	1357	25			3	750	40	226	200	75		
Smith's Lonspur															71
longspur sp.											120				
N. Cardinal	23	235	269	28	154	216	43		5	14		8	53	105	129
Red-winged Blackbird	3	526	610	26163	509	576	109	1	535	2060	1824	503	6	602	224
E. Meadowlark	1	1	36							4			1		38
W. Meadowlark		15	2	2				1	110	14	258	105			
<i>Sturnella</i> sp.		258	154	75	129	7				49	75		25	21	
Yellow-headed Blackbird						2				2					
Rusty Blackbird			5	50		2									1
Brewer's Blackbird	cw	250		75						24					50
Common Grackle			3	75						82		1		1	7
Great-tailed Grackle										120	1	1			
Brown-headed Cowbird	cw	33		3	1				754	34	10	25			22
blackbird sp.														750	
Purple Finch			32			3									7
House Finch	2	290	157	60	21	19		17	5	33	88	21	1	35	35
White-winged Crossbill			cw								1				
Common Redpoll										2					
Pine Siskin	cw	cw	2		6				55	4	27			3	
Am. Goldfinch	13	132	301	52	142	123	32	1	42	76	86		47	80	44
Evening Grosbeak															
House Sparrow	37	156	308	240	159	115	9		1	203	507	129	48	49	281
Total	2335	8783	11827	31343	18148	13606	712	597	12226	3506627	6397	4144	17117	9601	6492
Species	53	77	85	59	59	74	37	32	74	88	62	33	45	64	72

Species	Garden City	Halstead	Hays	Ingalls Cimarron	Jetmore	John Redmond	Junction City	Kanopolis	Kirwin NWR	Lakin	Lawrence	Leav. Atchison	Linn County	Lovewell Reservoir	Manhattan
Pacific Loon															
Common Loon															
Pied-billed Grebe	6							3				1			1
Horned Grebe															1
Western Grebe															1
Am. White Pelican						175	3				52	1			1
Double-crested Cormorant						270	20		1		46				10
Great Blue Heron	8	3	5	2		24	6	7		40	26	1			47
Black-crowned Night-Heron															
Gr. White-fronted Goose						1		15	6		1			300	1
Snow Goose, White form			5			1953				6676	26	19000	1005	1	4
Blue Form						455			3	564	20	13200	1000		1
Ross' Goose										47	1	3			1
Canada Goose	1600	746	356	170	280	568	538	1610	825	2320	2220	1535	3138	1600	5982
Goose sp.															
Wood Duck	45			2			2	5							1
Gadwall							54	7			13	98	50		130
Am. Wigeon	125		11				28	3		315	1			405	6
Am. Black Duck															
Mallard	5003	59	258		24	1047	218	4140	25600	2345	545	346	17211	13000	1045
Blue-winged Teal						2				2					
N. Shoveler						2	5			11	27			74	1
N. Pintail	80					25		1	6	13	1			1510	2
Green-winged Teal	2						30	21	17	169	85			87	17
Canvasback										1		3		200	18
Redhead								3			3			18	4
Ring-necked Duck	7		2	10			2	3		8	75			357	8
Greater Scaup	4														
Lesser Scaup	2	2				7								11	4
Long-tailed Duck									2						
Bufflehead						30			14		35			18	6
Common Goldeneye	8					8	93	2636	6		54	38		54	3
Hooded Merganser						8	21	3	17		96			17	39
Common Merganser			1			4	274	2068	56			2	2	2	250
Red-breasted Merganser							49				2				
Ruddy Duck							2		1					11	5
duck sp.															
Osprey														1	
Bald Eagle						14	74	15	13	2	51	32	11	9	40
N. Harrier	17	8	17	11	3	7	15	14	12	16	23	12	19	5	21
Sharp-shinned Hawk	4		1		1	1	1	2	2	2	6	2	3	1	8
Cooper's Hawk			2				2	1			4	4			6
N. Goshawk															
Accipiter sp.				1			1				3				
Red-shouldered Hawk														2	
Red-tailed Hawk	30	51	41	26	6	14	37	34	48	24	128	61	66	5	110
Harlan's		5		2			1	1		3		2			6
Ferruginous Hawk	2			16						6					
Rough-legged Hawk	11	4	5	5					1	9	3	1	1	4	3
Buteo sp.		6													
Golden Eagle															
Am. Kestrel	11	10	19	8	4	7	7	16	10	13	42	13	22	1	12
Merlin	1	2		1			3			3			1	1	2
Peregrine Falcon															
Prairie Falcon	5	3	3	4	1			2	1	2					1
Falco sp.		2												2	
Ring-necked Pheasant	98	3	12	37			4	20	4					1	3
Greater Prairie-Chicken								29						5	
Lesser Prairie-Chicken															
Wild Turkey		593				357	63		25		123	7	54	34	534
Scaled Quail	34														
N. Bobwhite	54	14	20			22	15		30		1		12	1	48
Virginia Rail			1							1				1	
Am. Coot	19								4		5		759		
Sandhill Crane										4858					
Killdeer		3									4				4
Greater Yellowlegs															
Spotted Sandpiper															
Common Snipe		2	1							2				5	1
Bonaparte's Gull						12	33				75		151		68
Ring-billed Gull						380	79	315	135	22	4040	60	1470	1	1272
California Gull															
Herring Gull						10	2	250	6		2			2	
Thayer's Gull															
gull sp.								1							
Rock Dove	219	46	141	40		18	18	14	190	24	830	264	13		199
Eurasian Collared Dove	35			28						18	4				
Streptopelia spp.				4											
White-winged Dove				1											
Mourning Dove	3	42	33	1	1	15	43			2	252	4	7	2	66
Inca Dove										1					
Barn Owl	1		1	2		1	3	1	6		3		1	1	3
E. Screech-Owl				1		1	3	1	4		5	1	1	3	3
Great Horned Owl	9	5	11	5	1	3	2	1	4	1	8	1	1	3	3
Snowy Owl												1			
Burrowing Owl	2														
Barred Owl						4	3				8	1	4		16
Long-eared Owl														2	
Short-eared Owl				1				2							
Belted Kingfisher	1	6	6	2		1	7	3	3	1	3	3		1	6
Red-headed Woodpecker											3	7	93		1

Species	Garden City	Halstead	Hays	Ingalls Cimarron	Jetmore	John Redmond	Junction City	Kanopolis	Kirwin NWR	Lakin	Lawrence	Leav. Atchison	Linn County	Lovewell Reservoir	Manhattan
Red-bellied Woodpecker	4	57	4		1	19	30	34	24	1	127	50	67	5	190
Yellow-bellied Sapsucker	3						4	1			8	2	2	1	9
Ladder-backed Woodpecker															
Downy Woodpecker	10	34	28	3		27	24	17	17	1	121	44	52	4	98
Hairy Woodpecker	2	5	5	2	1	3	7	4	9	2	12	10	10	3	27
N. Flicker	3	51		2	1	12	24	19	9	9	48		22	4	69
Yellow-shafted	5	19		2	1	17	18	13	8	1	75	35	33		86
Red-shafted	19	2		3		1	1	3	7	5					5
Pileated Woodpecker						2					5	2	13		
Eastern Phoebe													1		
Loggerhead Shrike		1	1					1			1	1	4	1	
N. Shrike								1							
Blue Jay	38	35	20	9		32	70	4	6	18	170	89	92	1	112
Black-billed Magpie	140		34	29					94	30				3	
Am. Crow	40	284	159	17	18	127	1050	212	44	1	640	123	332	167	16332
Chihuahuan Raven															
Horned Lark	1191	1360	1164	331		125	67	696	297	653	47	18	32		126
Carolina Chickadee															
Black-capped Chickadee		206	71		5	74	117	105	49		294	112	105	14	506
Tufted Titmouse		16				41	21	2			181	82	100		245
Red-breasted Nuthatch	14	6	7		1	2	4	7	8		21	cw	1		35
White-breasted Nuthatch	4	7	17			18	21	8	13		80	58	33	5	114
Brown Creeper	1	2	3			4	3	4	1		23	13	4		25
Rock Wren															
Carolina Wren	2	20	3			5	12	6			13	7	2		40
Bewick's Wren							4								4
House Wren															
Winter Wren		1					1				3	3			1
Marsh Wren			1					1		2					
Golden-crowned Kinglet		12	8			2	18	2	3		19	19	7	1	35
Ruby-crowned Kinglet	4	2	3			9		2	2		6	6	1		10
E. Bluebird		95	8		4	28	106	43	47		331	48	130	9	397
Mountain Bluebird															
Townsend's Solitaire	6			1			1								
Hermit Thrush											cw				
Catharus sp.															
Am. Robin	262	455	195	61	2	58	1076	277	50	16	3265	200	35	41	3844
Gray Catbird															
N. Mockingbird	10	4	1			1					5	1	10		2
Brown Thrasher											1				2
Curve-billed Thrasher															
European Starling	947	1269	1881	3656	376	276	1069	1339	309	2488	2282	470	1865	450	16673
Cedar Waxwing	47	7				126	110				461	21	12	4	252
Orange-crowned Warbler															
Yellow-rumped Warbler		22					106	24			29		17	3	80
Com. Yellowthroat														cw	
Spotted Towhee		20	2			1	20	28	1		3	1		2	8
E. Towhee						6		2			1				
Am. Tree Sparrow	24	380	340	98	1	12	413	832	1603	11	318	55	47	187	557
Field Sparrow		1						11					2		41
Vesper Sparrow															
Lark Sparrow															
Savannah Sparrow															
LeConte's Sparrow														1	
Fox Sparrow											9	5	2		4
Song Sparrow	6	21	30	8		14	2	2			238	42	41	5	71
Lincoln's Sparrow			1			32	25	58	88	6	6	1	1		
Swamp Sparrow							3	1	1		6				
White-throated Sparrow						2		1	3		78		5		1
Harris' Sparrow	27	457	191	7	4	106	246	390	143		36	22	28	1	2
White-crowned Sparrow	263	23	4	21		2	15	5	105	63	164	89	38	52	352
Dark-eyed Junco	119	362	77	6			121	276	158	52	13	7	6		13
White-winged											646	62	188		13323
Slate-colored	25	348	155	27	4	74	540	258		25	662	403	400	46	cw
Oregon	65	14	13	32			14	12		12	11		33	5	8
Pink-sided															
Gray-headed															
Lapland Longspur	363	25	174	156	1800		73	2531	430		64		92		
Smith's Lonspur															
longspur sp.															
N. Cardinal	13	167	14	11		30	128	116	23	1	347	194	199	27	340
Red-winged Blackbird	419	1756	1456	216	125	96	6890	9125	377	5958	2035	31400	29234	1530	1374
E. Meadowlark		1				6		5			48	1	1		25
W. Meadowlark	72	1	405	163	110			2	122	100	31			2	2
Sturnella sp.		301				48	66	142			261	42	29		125
Yellow-headed Blackbird										75					
Rusty Blackbird		1	8				17	372			537		44		23
Brewer's Blackbird							93	2405			21		3		17
Common Grackle	47	1	6		1	4	3	2		2	1	117	7140	1	26
Great-tailed Grackle	374									1		300	20		
Brown-headed Cowbird	18		134	2		17	60	2475		1	95		328	40	3
blackbird sp.															
Purple Finch				1							18	1	8		
House Finch	348	310	142	53	6	32	171	63	8	13	612	17	59	1	381
White-winged Crossbill															
Common Redpoll															2
Pine Siskin	27		8				3	15	24	6	35			5	126
Am. Goldfinch	70	75	109	9	2	55	253	79	248	15	475	116	135	12	382
Evening Grosbeak															
House Sparrow	1734	264	188	875	54	16	99	690	236	246	421	244	10	4	279
Total	14212	10115	8039	6181	2838	7007	14984	33966	31606	27425	24420	69187	70903	17901	66713
Species	66	59	62	46	28	69	80	77	64	62	92	67	94	58	94

Species	Meade	Olathe	Old Garfield	Olsburg	Oskaloosa Perry Lake	Parsons	Pomona	Quivira	Red Hills	St. Francis	Salina	Sandhills	Sawyer	Scott Lake
Pacific Loon														
Common Loon														
Pied-billed Grebe		4		2					1		1		1	1
Horned Grebe														
Western Grebe														
Am. White Pelican				1	57			CW						
Double-crested Cormorant					43				4					
Great Blue Heron	2	4		12	11	3	7	8	CW	2	2		7	2
Black-crowned Night-Heron														
Gr. White-fronted Goose								8000						
Snow Goose, White form	11	600		8	4500		2050	6000	1				1	
Blue Form	1				2000		1170	450						
Ross' Goose	1				2			100						
Canada Goose	2500	1860	3	159	550	11	2370	45000	761	667	915		2631	150
Goose sp.														
Wood Duck		1								1				
Gadwall		18		36	43	3		CW			60			
Am. Wigeon				31				2	25		40			4
Am. Black Duck														
Mallard	65	228		245	820	38	2651	8500	688	6	109		320	1338
Blue-winged Teal														
N. Shoveler					4	42		3					10	
N. Pintail	6			9	CW			8	64					3
Green-winged Teal					3	1		49	67	1			1	12
Canvasback	2				CW									
Redhead				42				CW			CW			
Ring-necked Duck	3	8			10			CW	26					
Greater Scaup					CW									
Lesser Scaup		2		18				3			4			
Long-tailed Duck														
Bufflehead		10		2	1			3			1			
Common Goldeneye		3		54	81		1	16						
Hooded Merganser				14	25									
Common Merganser		3		112	400		40	16						
Red-breasted Merganser					18									
Ruddy Duck		1		8				CW						
duck sp.				32			70							
Osprey														
Bald Eagle		2		6	6	8	2	20	4	1	30			
N. Harrier	1	2	24	18	13	6	15	29	16	3	21	26	10	5
Sharp-shinned Hawk	2	1	1	1	3		1	4	5		3	2	1	1
Cooper's Hawk		1		3	1			2	2			1		1
N. Goshawk									1					
Accipiter sp.				4					1					
Red-shouldered Hawk						3					1			
Red-tailed Hawk	9	26	17	45	61	32	78	44	39	3	32	7	15	13
Harlan's			3	4		1	2		1		1			1
Ferruginous Hawk	2		3					3				7		4
Rough-legged Hawk	1		7	1				3		3		5	2	4
Buteo sp.				9			3		1		6			2
Golden Eagle					1									
Am. Kestrel	6	8	3	12	10	16	24	15	14	8	19	4	11	2
Merlin				1					CW	2			1	
Peregrine Falcon			3											
Prairie Falcon				1					1	1			3	1
Falco sp.				2							1			
Ring-necked Pheasant			30	4	2			3	2	3	2	10		2
Greater Prairie-Chicken				25							6			
Lesser Prairie-Chicken			2									13		
Wild Turkey	17			124	107		51	84	14		30		62	
Scaled Quail												5		
N. Bobwhite	16		6	9	8			12	34		2			
Virginia Rail										1				1
Am. Coot	2	24												
Sandhill Crane								2500	CW					
Killdeer					3									1
Greater Yellowlegs					1									
Spotted Sandpiper													1	
Common Snipe	1	1			3				2					
Bonaparte's Gull					37									
Ring-billed Gull		49		38	670		21	8			311			
California Gull														
Herring Gull				3	16		1		1					
Thayer's Gull														
gull sp.				214										
Rock Dove	1	272	24	2	31	51	23		20		352	20	176	105
Eurasian Collared Dove	5								1					44
Streptopelia spp.														
White-winged Dove														
Mourning Dove		195		47	94	15	24		64	1	15		1	4
Inca Dove	2													
Barn Owl			1		1							2		
E. Screech-Owl	2	2			5				5		CW			1
Great Horned Owl	3	4	4	2	12		1	4	1	8	2	1	1	3
Snowy Owl														
Burrowing Owl														
Barred Owl					11	1							1	
Long-eared Owl		1						2		1				4
Short-eared Owl	CW													4
Belted Kingfisher	2	1		4			2		4	2	2		5	
Red-headed Woodpecker				1	12	12	1							

Species	Meade	Olathe	Old Garfield	Olburg	Oskaloosa Perry Lake	Parsons	Pomona	Quivira	Red Hills	St. Francis	Salina	Sandhills	Sawyer	Scott Lake
Red-bellied Woodpecker	5	29		51	92	25	41	6	25	6	13		18	13
Yellow-bellied Sapsucker		2		4	7		1		5					
Ladder-backed Woodpecker			1	36	110	15	22	6	19	4	13		12	12
Downy Woodpecker	14	34		6	16	4	5	5	6	7	2			9
Hairy Woodpecker	5	3		35	60	26	29	9	41	40			3	17
N. Flicker	9			34	71		11	25	18	1	11		6	6
Yellow-shafted	1	5		6				3	12	7	3	1	7	17
Red-shafted	3		3											
Pileated Woodpecker						3	1							
Eastern Phoebe				1										
Loggerhead Shrike					2	1		4						
N. Shrike								1						
Blue Jay	3	57		54	205	68	71		4	5	10		4	7
Black-billed Magpie	1			2				2		22		1		15
Am. Crow	13	187	67	958564		134	210	93	631		314	5	2908	1
Chihuahuan Raven														
Horned Lark	247		941			130	32	12		428	50	142	663	137
Carolina Chickadee						38			96				4	
Black-capped Chickadee	7	100		154	229		64	18		9	55		35	9
Tufted Titmouse		61		63	147	14	34		15		6		17	
Red-breasted Nuthatch		10		15	9	cw	8				8			1
White-breasted Nuthatch	5	12		23	66	3	3	1	16	8	9		29	10
Brown Creeper	3	5		3	13	1	2		2		8		3	3
Rock Wren														
Carolina Wren		5		15	42	1	1		14		1		25	
Bewick's Wren				4					5					
House Wren														
Winter Wren				1					2					
Marsh Wren			2			1		2	1	9				12
Golden-crowned Kinglet	8	1		17	32		6		6		1			2
Ruby-crowned Kinglet				7	1				14	1	5		1	3
E. Bluebird	10	38		163	239	26	117	42	83	11	23		119	34
Mountain Bluebird									20					
Townsend's Solitaire	5			2						1	1			21
Hermit Thrush					3									
Catharus sp.														
Am. Robin	42	44		743	1680	25	1616	54	2465	136	41	10	928	431
Gray Catbird														1
N. Mockingbird	cw	2		2	9	6	4	2						
Brown Thrasher						1								
Curve-billed Thrasher														
European Starling	431	2265	40	3301	1340	199	460	177	485	62	1314	38	238	496
Cedar Waxwing		10		32	560	20	217		180	3			38	52
Orange-crowned Warbler														
Yellow-rumped Warbler		2		44	27	cw	7		106		1		14	
Com. Yellowthroat														
Spotted Towhee	1			7	1		1		1					17
E. Towhee				2		1								
Am. Tree Sparrow	41	19	149	243	238	9	127	500	94	107	28	22	2	28
Field Sparrow				1	1		1		6					
Vesper Sparrow														
Lark Sparrow									1					
Savannah Sparrow						4		2						
LeConte's Sparrow														
Fox Sparrow				4	4	5			7					2
Song Sparrow	52	28	20	51	257	20	51	18	41	43	2		2	22
Lincoln's Sparrow		1		4										
Swamp Sparrow	1				8	5								
White-throated Sparrow		5		1	4	18	4		4					1
Harris' Sparrow	8	27		93	188	21	179	228	277	1	55		11	7
White-crowned Sparrow	3	5	101	7	4	15	8	2	5	18	1	34		64
Dark-eyed Junco	140	272	25	670	135	309	250			113	8	13	27	72
White-winged														
Slate-colored	23		3	334	440		10	70	858	2	54		43	6
Oregon	75		21	6	4		2	2	31	4	3		41	89
Pink-sided														
Gray-headed														
Lapland Longspur		3	298					2				307	1230	10859
Smith's Lonspur longspur sp.														
N. Cardinal	15	93		56	248	72	78	9	91		35		41	20
Red-winged Blackbird	234	56	9319	1312	1800	918	14309	4500	980	290	56		310	503
E. Meadowlark		10		7	1	284	27	6						
W. Meadowlark	55		297	1	1			4	14	17	1	43		6
Sturnella sp.				29	28		47	191	178		169		44	
Yellow-headed Blackbird			1											
Rusty Blackbird					116		200							
Brewer's Blackbird				7	1				910					
Common Grackle		2000		17	155	120	61		3		29		40	3
Great-tailed Grackle		214												
Brown-headed Cowbird			120	105	24	10	2	30	64		25		1	
blackbird sp.									230		1230			
Purple Finch		1		13	15		4		6					
House Finch	7	145		138	51	1	64		81	61	42	3	11	65
White-winged Crossbill														
Common Redpoll														
Pine Siskin				86	2		12		52	3				38
Am. Goldfinch	16	52	1	534	276	23	34	76	153	38	37		52	97
Evening Grosbeak														
House Sparrow	19	144	100	51	175	85	86	cw	53	105	268	25	130	1257
Total	4165	9278	11640	967856	19348	2730	27186	77243	10286	2276	5900	747	10318	16178
Species	53	65	31	85	84	54	60	58	73	45	55	26	52	63

Species	Seneca	Slate Creek	SE KS Mine Land	Syracuse	Topeka	Udall Winfield	Ulysses	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	Totals
Pacific Loon								1						1
Common Loon												1		3
Pied-billed Grebe			5		24	4			6		17	2		142
Horned Grebe											2			3
Western Grebe												1		2
Am. White Pelican										1			31	368
Double-crested Cormorant						4		28	26	1	21	5		493
Great Blue Heron	1	2	8	3	7	6	2	2	10	5	41	3	2	386
Black-crowned Night-Heron														cw
Gr. White-fronted Goose								2000		1				23064
Snow Goose, White form	90		55		1		3	10000	85	1	7			74883
Blue Form	37		2			3		1500			2	1		23788
Ross' Goose								120			1			329
Canada Goose	351	411	266	139	3512	1953	294	6500	392	5000	8901	470	107	149893
Goose sp.														756
Wood Duck			3		4	5					22	cw		122
Gadwall	32	4	14		36	24		1			258	24		3289
Am. Wigeon		5	7		1	15		1			209	15		1304
Am. Black Duck								1						1
Mallard	115	153	123	8	1777	1780	42	2650	177	8000	1564	130	22	123762
Blue-winged Teal											1			8
N. Shoveler		4									148			380
N. Pintail	1				2			3		1	2			2702
Green-winged Teal		6			128			7	1	2	152	18		1167
Canvasback		1									97			309
Redhead		19			2			cw	1	200	21			326
Ring-necked Duck		152	2			7		2			41	2		958
Greater Scaup											1			65
Lesser Scaup		83			10	5		1		5	41	1		332
Long-tailed Duck														2
Bufflehead					41	23		2	4	3	57	1		314
Common Goldeneye	10	10	2		79	36		2100	7	60	156	153		6602
Hooded Merganser		5	2		38	16		5		18	57	24		470
Common Merganser					8	8		5600	29	2500		cw		11627
Red-breasted Merganser								2						72
Ruddy Duck	3	1									44			84
duck sp.	1								200				8	433
Osprey														1
Bald Eagle		7		3	6	cw		5	16	38	1	7	4	561
N. Harrier	2	10	8	11	7	9	31	27	19	13	2	11	11	794
Sharp-shinned Hawk			2		5	5		cw	5		5	4		104
Cooper's Hawk		2	1	1	4	1	1	1	2	3	4			63
N. Goshawk														1
Accipiter sp.		1			1	1								17
Red-shouldered Hawk			6											12
Red-tailed Hawk	7	81	81	28	90	85	25	64	45	34	59	26	33	2210
Harlan's		1	1	1									1	44
Ferruginous Hawk				6				13						105
Rough-legged Hawk				9				28	1	1			3	179
Buteo sp.								3		1	1			34
Golden Eagle														5
Am. Kestrel	5	12	30	16	20	27	4	2	6	8	19	cw	9	695
Merlin			1	2		2		cw	5	2		cw		44
Peregrine Falcon														5
Prairie Falcon		3	1	6	1	1	8	cw		2		1	4	81
Falco sp.														8
Ring-necked Pheasant	45	5		14	1	3	26	4	3	5	2	4	3	421
Greater Prairie-Chicken										7				90
Lesser Prairie-Chicken														18
Wild Turkey		6	47		84	718	5		167	40	22	1		4019
Scaled Quail				10										77
N. Bobwhite			8	9	8	57	2		14	8				526
Virginia Rail		1										cw		7
Am. Coot		2			39	18		9	3		181	91		1525
Sandhill Crane					5							155		10144
Killdeer		1	1			3					6			38
Greater Yellowlegs														5
Spotted Sandpiper														1
Common Snipe						cw					cw			20
Bonaparte's Gull		cw										395		809
Ring-billed Gull		11			1738	20		1850	73	25	161	327	326	15181
California Gull											1			2
Herring Gull		cw						75	4	14	2	12		489
Thayer's Gull								1						1
gull sp.					10									239
Rock Dove	10	31	3	52	322	185	173	42	16	85	619	18	60	5563
Eurasian Collared Dove	8			9	1		47			1	1			245
Streptopelia spp.													2	6
White-winged Dove														1
Mourning Dove		99	69		309	144	57	3	18		140	3		2451
Inca Dove		cw			1									4
Barn Owl				1				1		3				20
E. Screech-Owl	1	3	1			8		1	2	1	7	4		104
Great Horned Owl	1	9	5	5	2	10	13	2	11	4	5	1		223
Snowy Owl														1
Burrowing Owl														2
Barred Owl	1	12	5		1	19			3					138
Long-eared Owl										1				15
Short-eared Owl	1	12												22
Belted Kingfisher		1	4		5	6		1	2	2	13	1		122
Red-headed Woodpecker			44		3	4				1				240

Species	Seneca	Slate Creek	SE KS Mine Land	Syracuse	Topeka	Udall Winfield	Ulysses	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	Totals
Red-bellied Woodpecker	10	27	49	3	56	50		12	35	19	20	13	14	1630
Yellow-bellied Sapsucker		1	4		4	1			1		1		1	82
Ladder-backed Woodpecker				1										2
Downy Woodpecker	5	23	41	8	63	64	3	13	25	18	55	14	10	1424
Hairy Woodpecker	5	3	7	1	5	6	1	6	7	8	6	1	5	295
N. Flicker			7	2	4	10		5	17	18	18	2	33	771
Yellow-shafted		29			57	23	14	3	19	7	17	8		896
Red-shafted		1		13			11	3	4	3		2		187
Pileated Woodpecker		2	5			1			1					42
Eastern Phoebe			1											4
Loggerhead Shrike		3	1	2		3	2	1		cw		1	1	42
N. Shrike														4
Blue Jay	10	31	166	41	204	82	21	10	179	2	39	1	6	2594
Black-billed Magpie				101			51	27		37				695
Am. Crow	57	142	216	21	1358	296	58	40	162	54	9520	39	285	1008764
Chihuahuan Raven														1
Horned Lark	27	689	985	281	30	307	845	460		25	48	70	558	17597
Carolina Chickadee		128	91			176								687
Black-capped Chickadee	30			1	264	223		68	77	169	214	48	51	4480
Tufted Titmouse	14	48	44		81	76			9		37		8	1785
Red-breasted Nuthatch		6		2	19	16			19	3	15	9	2	285
White-breasted Nuthatch	6	17	13	6	43	32	2	17	15	15	7	7	1	955
Brown Creeper	1	6	8		43	12	1	1	7	3	23		2	262
Rock Wren					1									5
Carolina Wren		2	7		34	8		3	14		24	3	6	362
Bewick's Wren		4	1	1		1			1					30
House Wren												1	1	1
Winter Wren											3	3	1	27
Marsh Wren				1							cw			50
Golden-crowned Kinglet	7	1	2		25	21		2	11	3	5	8	2	365
Ruby-crowned Kinglet		10	7		10	16		3	1	2	17	4	3	344
E. Bluebird	3	64	59	1	130	216	20		42	30		13	38	3448
Mountain Bluebird														21
Townsend's Solitaire				7						2	1	1		66
Hermit Thrush														8
Catharus sp.					1									1
Am. Robin	4	52	140	35	2345	586	76		399	125	124	252	138	25782
Gray Catbird														1
N. Mockingbird		12	29	1	1	17			1		11		2	184
Brown Thrasher			2		1									8
Curve-billed Thrasher														2
European Starling	30	5779	1289	147	5326	2591	1127	2800	10426	300	17929	1042	2357	120896
Cedar Waxwing		24	19	45	94				42		3		10	2896
Orange-crowned Warbler						1					2			3
Yellow-rumped Warbler		2	20		50	5			55	8	19	18	52	845
Com. Yellowthroat											cw			1
Spotted Towhee		19	1		5	4		11	14	21	19	12	3	256
E. Towhee		2	1		1			1						19
Am. Tree Sparrow	81	226	16	439	26	481	25	1150	831	4935	52	987	188	19838
Field Sparrow		13	9		2	5			10		7	4		133
Vesper Sparrow														1
Lark Sparrow														1
Savannah Sparrow		35	26			7		1			4			97
LeConte's Sparrow										1				3
Fox Sparrow	1	7	3			5		1	3	1	2	4		106
Song Sparrow	15	256	63	22	33	163	8	210	96	79	75	83	6	2839
Lincoln's Sparrow		3			1			5	3			3		45
Swamp Sparrow		13	7	1		2			3	2		2		146
White-throated Sparrow	1	3	54	1	73			1		2	8			304
Harris' Sparrow	44	775	194	3	151	1362	2	445	286	320	204	206	207	9776
White-crowned Sparrow		195	128		17	262	25	15	48	7	11	4		1974
Dark-eyed Junco		230	212			185	166	430		600	177	289	138	22526
White-winged														1
Slate-colored	50	317		40	729	1330		60	322	160	379	75		10995
Oregon	2	3		177		6	89	3	4	45	12	15		967
Pink-sided														20
Gray-headed														1
Lapland Longspur		1301	325	19	29	330	604	3225		1	30	145	2	27235
Smith's Lonspur														71
longspur sp.			50											170
N. Cardinal	12	213	248	5	164	356		45	138	26	218	18	60	5153
Red-winged Blackbird	273	10992	990	627	279	3789	2965	3750	67226	1800	748	972	5974	261214
E. Meadowlark		3	449		58	27		10	2		2			1054
W. Meadowlark		1		233		4	257	31	7	65		81		2635
Sturnella sp.	65	449				758		180	7	19	19	35	383	4408
Yellow-headed Blackbird														80
Rusty Blackbird			13			40			1	15				1445
Brewer's Blackbird		3		3		453	60		17	4				4396
Common Grackle		7	152	10		1			1085		303	1	6	11553
Great-tailed Grackle					55		84				332			1502
Brown-headed Cowbird		5151	253			8010	200	2	709	30	85	15		18891
blackbird sp.		20				640					1200			3429845
Purple Finch												1		110
House Finch	2	53	25	124	353	149	60	13	10	15	226	3	34	4736
White-winged Crossbill				2										3
Common Redpoll														4
Pine Siskin	1	1	6	169	13		124		20	35				908
Am. Goldfinch	1	50	115	112	236	296	17	37	183	50	110	103	21	5926
Evening Grosbeak				1										1
House Sparrow	13	245	62	410	257	498	236	425	5	130	784	51	144	13360
Total	1492	28858	7294	3585	21042	28976	8210	46148	83927	25346	46275	6611	11381	5539748
Species	44	83	77	60	79	86	49	72	80	75	87	75	51	160