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### **THE WINTER BIRD COUNT FOR 2003**

Calvin L. Cink and Roger L. Boyd<sup>1</sup>

The number of winter bird counts conducted this year was 55 for the second year in a row, with a new count at Council Grove balancing out the loss of the Canyonlands count which was not run this year. There were noticeably fewer participants this year (576 vs. 626 last year), with correspondingly fewer average party hours (30.8 vs. 32 hrs. last winter) and fewer average species per count (64 vs. 65). Stalwart compilers on the counts at Alma, Meade Co., Seneca, and Waconda Lake served as sole field observers as well, providing continuity and a sense of changes in winter birds for these areas of Kansas. Weather conditions were relatively mild throughout the period, with only five counts reporting below freezing temperatures for the whole count day. The majority (71%) started the day below freezing but ended the day well above freezing. Although drought conditions persisted throughout most of the state (with up to a 15 inch precipitation deficit over the past two years), few compilers commented on its adverse affects on the birds in their count areas.

The 154 species found this year was below average (159 average since 1990). Three species were recorded only during the count week; an Eared Grebe at Council Grove, a Lesser Black-backed Gull at Wichita, and White-winged Doves at Emporia, and Garden City. No new species were observed. Manhattan's 99 species was high for the state and only Lawrence with 92 was close. Jetmore had the fewest species with 16. The highest number of individuals (5,207,672) was observed at Slate Creek/Oxford, with 98.9% of those Red-winged Blackbirds. Red-winged Blackbirds were the most abundant bird state-wide (5,375,160 individuals) but 97% of those were observed on that Slate Creek count. Canada Goose (198,446 individuals) edged out European Starling (172,796) for the second most abundant species.

Noteworthy species for this season included three Trumpeter Swans (Manhattan); 30 Greater Scaup (13 at Baldwin and 17 at Wichita); one Long-tailed Duck (Lawrence); one Turkey Vulture (SE Mined Lands); one Northern Goshawk (Syracuse); one Sora (Quivira NWR); four Thayer's Gulls (two at Kanopolis and one each at Waconda and Wilson Lakes); three Glaucous Gulls (one each at Waconda, Webster and Wilson Lakes); three Inca Doves (two in Meade County and one in Ulysses); one Western Screech-Owl (Cimarron Natl. Grassland); two Eastern Phoebes (one each at Arkansas City and SE Mined Land); three Chihuahuan Ravens and 15 Bushtits (Cimarron Natl. Grasslands); two Rock Wrens (one each at Cedar Bluff and Oskaloosa/Perry Lake); one House Wren (Bonner Springs); one Varied Thrush (Arkansas City); one Vesper Sparrow and six Red Crossbills (Cimarron Natl. Grasslands).

Only seven counts (13%) reported completely frozen open water, so the majority had at least partially open water for waterfowl and gulls. Waterfowl numbers however, were about average. The exception was Ross's Goose which exceeded its highest count over the past 12 years (1835 vs. 478 in 2002). Among the gulls only the Herring Gull exceeded its highest count (2467 vs. 2093 in 1995).

Eurasian Collared Doves continue their rapid increase (656 vs. 245 in 2002) and are becoming more widespread (on 23 counts this year vs. one count in 1999). A Western Screech-Owl on the Cimarron Natl. Grassland count was the first there since 1987 and only the third winter bird count record (the first at Sawyer in 1983). Its counterpart, the Eastern Screech-Owl was recorded at near decade-long minimum levels (82 vs. 81 in 1997), but part of that decrease may be the result of fewer hours of owling effort (44.5 hrs vs. 71 last year). This species also seems to be particularly unresponsive to taped calls during windy conditions, which prevailed on a number of the counts this year. Short-eared Owls were more abundant this year than any year during the last decade (80 vs. 67 in 2000; average 30/yr).

After a small rebound last year, Loggerhead Shrikes declined again (from 124 to 63 this year). This decline appears to be real and not just the result of fewer party hours of effort (7 shrikes/100 party hrs in 2002 vs. 3.7/100 party hrs this year). Black-billed Magpies showed a major decline (105 vs. the 361 minimum over the past 12 years and much below the 633 average for the same period). Black-capped Chickadees also declined substantially this year (1863 vs. 3494 minimum for past decade; less than half the average 4481). Whether this reflects the increase in cases of West Nile virus reported for Kansas is unknown.

The 15 Bushtits found in Cimarron Natl. Grasslands is a species that is infrequently observed (last seen on the same count in 1992). The single Varied Thrush found in Arkansas City is also noteworthy. It has not been seen on a winter count since the first record in 1974 (Goodland). Northern Mockingbird numbers reached a 12-year high (266 vs. 242 in 2002). Eastern Meadowlarks however, showed a sharp decline (838 vs. lowest count of decade, 1003 in 2002). Some of this may be a reflection of more non-vocal birds lumped into the *Sturnella* category (10,752 vs. 7691 average for past decade). Western Meadowlarks did not show this pattern (4470 vs. 3920 average). Several finches reached 12-year lows including the House Finch (2430 vs. 2807 in 1990), Pine Siskin (50 vs. 60 in 2002), and American Goldfinch (3774 vs. 4109 in 1990).

Several Kansas counts submitted to the National Audubon Society's 103<sup>rd</sup> Christmas Count included highest counts for a given species in the United States for the 2002-2003 season. They included: 165,550 Greater White-fronted Geese, 380,00 Snow Geese (white form), and 351,290 Canada Geese all at Quivira National Wildlife Refuge, 7500 Common Goldeneyes and 70,000 Common Mergansers at Waconda Lake, 12 Lesser Prairie Chickens at Cimarron National Grassland, 23 Long-eared Owls at Quivira, 12,911 Horned Larks at Halstead-Newton, 1,000,000 European Starlings at Arkansas City, 1888 American Tree Sparrows at Quivira, 1749 Harris's Sparrows at Udall-Winfield, 41,201 Lapland Longspurs at Scott Lake, and 12,500,000 Red-winged Blackbirds at Quivira.

**Alma/ Lake Wabaunsee.** 38°56'N 96°17'W. Center as described in 1995. 3 January 2004; 7:30 a.m. to 5:00 p.m.; 31°F to 33°F. Wind NNE 3-25 mph. Still water open, moving water open; a.m. cloudy, p.m. cloudy. One observer in 1

party. Total party-hours 9.5 (4.5 on foot, 5 by car) plus 0.75 hours owling. Total party-miles 106.5 (8 on foot, 98.5 by car), plus 2 miles owling. Total 50 species; 1,195 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 2003; 8:00 a.m. to 5:30 p.m.; 38°F to 47°F. Wind S 3-15 mph. Still water open, moving water open; a.m. clear, p.m. clear. Ten observers in 4 parties. Total party-hours 35.5 (8.5 on foot, 27 by car), plus 2 hours owling. Total party-miles 294 (9 on foot, 285 by car), plus 36.4 miles owling. Total 82 species; 156,521 individuals.

Wallace Champeny, Kevin Groeneweg, Patty Marlett, Shawn Silliman, Eddie Stegall, Savilla Stegall, Max Thompson, Bailey Young, Brandon Young, Gene Young (compiler-1707 N 7<sup>th</sup> St., Arkansas City, KS 67005).

**Baldwin.** 38°47'N 95°16'W. Center as described in 1986. 27 December 2003; 6:30 a.m. to 5:00 p.m.; 47°F to 58°F. Wind S 10-15mph. Still water open, moving water open; a.m. partly cloudy, p.m. light rain. Twenty-two observers in 8 parties, plus 2 at feeders. Total party-hours 62 (12 on foot, 50 by car), plus 4 hours at feeders, 2.25 hours owling. Total party-miles 467 (14 on foot, 453 by car) plus 23 miles miles owling. Total 74 species; 19,151 individuals.

Richard Bean, Jan Boyd, Roger Boyd (compiler-Biology Department, Baker University, Baldwin City, KS 66606), John Brockway, Amy Cink, Cal Cink, Katharine Kelley, Scott Kimball, Kris King, Gerry Parkinson, Barbara Pressgrove, Martin Pressgrove, Floyd Schmidt, Ruth Scott, Matt Sexson, George Wedge, Margaret Wedge, Phil Wedge, Roy Wedge, Larry Williams, Joyce Wolf, and Ron Wolf.

**Black Wolf/ NW Ellsworth Co.** 38°45'N 98°22'W. Center as described in 1993. 10 January 2004; 8:00 a.m. to 5:30 p.m.; 19°F to 61°F. Wind SW 10-20 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. clear. Seven observers in 3 parties, plus 1 at feeders. Total party-hours 23 (7 on foot, 16 by car), plus 3 hours at feeders, 1 hour owling. Total party-miles 257 (7 on foot, 250 by car) plus 10 miles owling. Total 53 species; 14,111 individuals.

David Klema, Ben Nondorf, Carolyn Nondorf, Rob Penner, Beth Ptacek, Ellen Rader, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Matt Smith.

**Blue Rapids.** 39°41'N 96°38'W. Center as described in 2000. 3 January 2004; 7:30 a.m. to 5:00 p.m.; 26°F to 27°F. Wind S 6-17 mph. Still water open, moving water open; a.m. cloudy, p.m. cloudy, light snow. Nine observers in 4 parties, plus 12 at feeders. Total party-hours 27.75 (1.5 on foot, 26.25 by car), plus 28 hours at feeders, 3 hours owling. Total party-miles 266 (1.5 on foot, 264.5 by car), plus 40.75 miles owling. Total 60 species; 13,870 individuals.

Ken Bowden, Linda Bowden, Doris Burnett, Marian Busey, Warren Buss, Jack Haller, Maxine Haller, Sandy Harding, Donna Hartman, Chod Hedinger, Irwin Hoogheem, Steve Kitchel, Alan Minge, Pat Osborne, Phil Osborne, Lori Parker, Tom Parker (compiler-711 Gypsum St., Blue Rapids, KS 66411), Jeanette Pralle, Shirley Specht, Dan Tualmann, Jay Turner.

**Bonner Springs/ Lansing.** 39°11'N 94°54'W. Center as described in 1995. 28 December 2003; 7:30 a.m. to 5:00 p.m.; 29°F to 45°F. Wind calm. Still water open, moving water open; a.m. clear, p.m. partly cloudy. Eleven observers in 5 parties. Total party-hours 41 (4.5 on foot, 36.5 by car), 3.5 hours owling. Total party-miles 360.5 ( 4.5 on foot, 356 by car), plus 29 miles owling. Total 79 species; 16,697 individuals.

Ann Brown, Kevin Brown, Elaine Corder, Mark Corder, Lisa Ferro, Nancy Leo, Mick McHugh, Galen Pittman (compiler-12042 258<sup>th</sup> St., Lawrence, KS 66044), John Schukman, Mike Stewart, Lisa Weeks.

**Camp Naish.** 39°04'N 94°54'W. Center as described in 1982. 29 December 2003; 6:00 a.m. to 5:30 p.m.; 28°F to 44°F. Wind NW 8 mph. Still water open, moving water open; a.m. clear, p.m. clear. Five observers in 1 party. Total party-hours 9.5 (8.5 on foot, 1 by car), plus 1 hour owling. Total party-miles 7 (6 on foot, 1 by car), plus 2 miles owling. Total 39 species; 884 individuals.

John Burris, Manoj Kummini, Alexis Powell, Stan Roth (compiler-532 Oklahoma St., Lawrence, KS 66046-4834), Rob Stone.

**Cedar Bluff.** 38°45'N 99°46'W. Center as described in 1985. 14 December 2003; 8:00 a.m. to 4:30 p.m.; 12°F to 40°F. Wind- none. Snow 0-4 in. Still water open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Four observers in 2 parties. Total party-hours 14.5 (4 on foot, 10.5 by car). Total party-miles 176 (3 on foot, 173 by car). Total 63 species; 16,116 individuals.

Doug Floto, Don Kazmaier, Scott Seltman (compiler-RR1, Box 36, Nekoma, KS 67559), Tom Shane.

**Cheyenne Bottoms.** 38°26'N 98°41'W. Center as described in 1977. 19 December 2003; 7:15 a.m. to 5:30 p.m.; 25°F to 45°F. Wind S 5-15 mph. Still water partly open, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Nine observers in 7 parties, plus 1 at feeders. Total party-hours 17.75 (2 on foot, 15.75 by car) plus 0.5 hours at feeders, 0.25 hours owling. Total party-miles 216 (4 on foot, 212 by car). Total 61 species; 13,064 individuals.

Karl Grover, Helen Hands (compiler-56 NE 40 Road, Great Bend, KS 67530), Larry Hesed, Jerry Ney, Rob Penner, Mike Rader, Keith Reif, Gene Schneewis, Charlie Swank.

**Cimmarron National Grasslands.** 37°07'N 101°52'W. Center as described in 1972. 27 December 2003; 8:00 a.m. to 6:00 p.m.; 32°F to 52°F. Wind W/SW 10-25 mph. Still water partly open, moving water partly open; a.m. partly clear, p.m. partly clear. Fifteen observers in 5 parties. Total party-hours 50 (10 on foot, 40 by car). Total party-miles 550 (25 by foot, 525 by car). Total 65 species; 51,927 individuals.

H. Armknecht, B. Broyles, M. Heffron, N. Hill, K. Kirkpatrick, T. Leukering, L. Mays, S. Patti (compiler-552 W. Belden Ave., Chicago, IL 60614), B. Percival, M. Rader, L. Smith, La. Smith, Ruth Smith, M. Thompson, J. Woodard.

**Council Grove.** 38°41'N 96°31'W. New count. Center at rest area parking lot at west end of Council Grove Reservoir Dam. 26 December 2003; 7:30 a.m. to 4:15 p.m.; 38°F to 52°F. Wind S-SW 5-25 mph. Still water partly frozen, moving water partly frozen; a.m. cloudy, p.m. cloudy. Five observers in 2 parties. Total party-hours 16 (3 on foot, 13 by car) plus 2 hours owling. Total party-miles 185 (4 on foot, 181 by car) plus 18 miles owling. Total 54 species; 4,416 individuals.

Jane Withee Hebert, Chod Hedinger, Jim Mayhew, Cheryl Miller, Chuck Otte (compiler-613 Tamerisk, Junction City, KS 66441).

**Dodge City.** 37°46'N 99°58'W. Center as described in 2002. 20 December 2003; 7:25 a.m. to 4:19 p.m.; 26°F to 60°F. Wind W 5 mph. Still water partly open, moving water partly open; a.m. partly clear, p.m. partly clear. Seven observers in 3 parties, plus 6 at feeders. Total party-hours 18.5 (0.5 on foot, 18 by car), plus 13 hours at feeders. Total party-miles 223.25 (0.25 on foot, 223 by car). Total 34 species; 9,148 individuals.

Lois Bryson, Joyce Davis, Edna Donaghey, Pat Dryden, Richard Dryden, Joleen Fromm (compiler-2404 5<sup>th</sup> Ave., Dodge City, KS 67801), Evelyn Kirby, Lorene Kulbiski, Virginia Pennington, Kay Rose, Norma Schoen, Frances Spain, Rae Tweedy.

**Doniphan County.** 39°52'N 95°17'W. New center at road bend 1.5 mi. W and 0.75 mi. N of K120 and 240<sup>th</sup> Rd intersection in Highland, KS. 27 December 2003; 7:30 a.m. to 5:00 p.m.; 49°F to 61°F. Wind S 25 mph. Still water open, moving water open; a.m. cloudy, p.m. partly cloudy. Three observers in 1 parties. Total party-hours 9.5 (1 on foot, 8.5 by car) plus 2.5 hours owling. Total party-miles 112 (1 on foot, 111 by car), plus 23.5 miles owling. Total 41 species; 8,266 individuals.

Dan Larson, Galen Pittman, Mike Stewart (compiler-1100 Wellington Drive, Leavenworth, KS 66048).

**El Dorado Lake.** 37°51'N 96°52'W. Center as described in 1990. 27 December 2003; 7:30 a.m. to 3:30 p.m.; 25°F to 40°F. Wind S 35 mph. Still water open, moving water open; a.m. clear, p.m. partly cloudy. Four observers in 2 parties. Total party-hours 32 (8 on foot, 24 by car). Total party-miles 490 (16 on foot, 474 by car). Total 52 species; 4,036 individuals.

Marsha Ebaugh, Charley Green, Bill Langley (compiler-Butler Community College, 901 S Haverhill Rd, El Dorado, KS 67042) Patty Marlett.

**Emporia.** 38°27'N 96°05'W. Center as described in 1985. 14 December 2003; 8:00 a.m. to 5:30 p.m.; 25°F to 36°F. Wind SSW 5-10 mph. Snow 6 in. Still water partly open, moving water partly open; a.m. cloudy, foggy p.m. cloudy. Ten observers in 5 parties. Total party-hours 29 (10 on foot, 19 by car). Total party-miles 212 (8 on foot, 204 by car). Total 76 species; 15,696 individuals.

Genny Agin, Jenna Ferguson, Roger Ferguson, Sherry Ferguson, Bill Jensen, Tracey Johnson, Marvin Kuehn, Paul McNab, Jackie Nooker, Jean Schulenberg (compiler-Rt 2, Box 36, Admire, KS 66830).

**Garden City.** 37°09'N 100°80'W. Center as described in 1984. 4 January 2004; 7:45 a.m. to 6:15 p.m.; 30°F to 62°F. Wind variable 10-14 mph. Still water frozen, moving water partly open; a.m. partly cloudy, p.m. partly clear. Fifteen observers in 12 parties, plus 20 at feeders. Total party-hours 37 (3 on foot, 34 by car) plus 30.5 hours at feeders. Total party-miles 261 (3.5 on foot, 257.5 by car). Total 71 species; 28,014 individuals.

Robert Bohm, Dale Bolton, Debra Bolton, Barbara Campbell, Bob Campbell, Ralene Dick, Cindy Elliott, Jeff Elliott, Cathy Finrock, Doug Floto, Mary Floto, Barbara McMinimy, Kelly Miller, Art Nonhof, Marie Osterbuhr (compiler-1103 Gillespie Place, Garden City, KS 67846), Michael K. Ramsey, Pamela H. Ramsey, Leonard Rich, Bill Saunders, Emaline Scott, Kathy Sexson, Sara Shane, Tom Shane, Ardith Stones, Chuck Stones.

**Halstead-Newton.** 38°04'N 97°28'W. Center as described in 1965. 20 December 2003; 7:00 a.m. to 5:00 p.m.; 27°F to 54°F. Wind S 2-15 mph. Snow patchy. Still water mostly frozen, moving water partly open; a.m. clear, p.m. clear. Eighteen observers in 6-8 parties. Total party-hours 55.75 (25.75 on foot, 30 by car). Total party-miles 294 (26 on foot, 268 miles by car). Total 65 species; 18,383 individuals.

Bob Dester, Gregg Friesen, Lorna Harder, Tyler Hicks, Alison Hiebert, Harv Hiebert, Aileen McCune, Cheryl Miller, Jim Nickel, Norman Pankratz, Dwight Platt (compiler-702 NE 24<sup>th</sup> St., Newton, KS 67114), Kamala Platt, Bob Regier, Tim Regier, Carolyn Schwab, John Torline, Nada Voth, Rodney Wedel.

**Hays.** 38°51'N 99°27'W. Center as described in 1987. 20 December 2003; 8:00 a.m. to 6:30 p.m.; 24°F to 52°F. Wind S 0-15 mph. Still water frozen, moving water open; a.m. clear, p.m. clear. Sixteen observers in 7 parties. Total party-hours 26.5 (11.5 on foot, 15 by car), plus 0.75 hour owling. Total party-miles 240.5 (11.5 on foot, 229 by car), plus 24 miles owling. Total 52 species; 9,077 individuals.

Eric Bartholomew, Ernie Brown, Janeen Brown, Earl Carlson, Greg Farley (compiler-Department of Biological Sciences, Fort Hays State University, Hays, KS 67601), Elmer Finck, Takehito Ikejiri, John Launchbaugh, Frank Potter, Mike Rader, Drew Riedel, Curtis Schmidt, Bill Stark, Jim Strine, Trevor Van Eaton, Matt Withroder.

**Ingalls/ Cimarron.** 37°50'N 100°27'W. Center as described in 2002. 2 January 2004; 7:45 a.m. to 5:00 p.m.; 38°F to 62°F. Wind S 5 mph. Still water partly open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Four observers in 2 parties. Total party-hours 13.75 (2.25 on foot, 11.5 by car). Total party-miles 120 (1.5 on foot, 118.5 by car). Total 38 species; 5,040 individuals.

Debra Bolton (compiler-123 W. Hazel St., Garden City, KS 67846), Joyce Davis, Frankey Schmidt, Tom Shane.

**Jetmore.** 38°03'N 99°53'W. Center as described in 1999 15 December 2003; 7:45 a.m. to 4:30 p.m.; 24°F to 48°F. Wind SE-NW 5-15 mph. Snow 2-3 in. Still water frozen, moving water partly frozen; a.m. clear, p.m. cloudy. Two observers in 1 party. Total party-hours 8.75 (all by car). Total party-miles 152 (all by car). Total 16 species; 910 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. 20 December 2003; 8:00 a.m. to 5:00 p.m.; 25°F to 54°F. Wind SE 5-20 mph. Still water partly open, moving water open ; a.m. clear, p.m. partly cloudy. Fourteen observers in 5 parties. Total party-hours 27 (11 on foot, 16 by car), plus 1 hour owling. Total party-miles 210 (10 on foot, 200 by car), plus 3 miles owling. Total 70 species; 72,370 individuals.

Randy Bodenhammer, Andy Burr, Calley Burr, Bob Culbertson (compiler-207 Cheyenne, New Strawn, KS 66839), Carol Culbertson, Helen Hall, Ken Hall, Tim Menard, Jim Minnerath, Frances Ramirez, Jesse Ramirez, Marty Ramirez, Jan Wideman, Dan Williamson.

**Junction City.** 39°00'N 96°53'W. Center as described in 1992. 28 December 2003; 7:00 a.m. to 5:00 p.m.; 25°F to 51°F. Wind W-SW 0-20 mph. Still water open, moving water open; a.m. clear, p.m. clear. Five observers in 2 parties. Total party-hours 18 (2 on foot, 16 by car), plus 2 hours owling. Total party-miles 178 (2.5 on foot, 175.5 by car), plus 35 miles owling. Total 75 species; 15,898 individuals.

Carol Hoogheem, Irwin Hoogheem, Sam Mannell, Terry Mannell, Chuck Otte (compiler-613 Tamerisk, Junction City, KS 66441).

**Kanopolis Reservoir.** 38°37'N 97°57'W. Center as described in 1983. 11 January 2004; 7:15 a.m. to 5:00 p.m.; 30°F to 50°F. Wind SW 10-15 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. clear. Eleven observers in 3 parties. Total party-hours 22.5 (3.5 on foot, 19 by car). Total party-miles 263 (3 on foot, 260 by car). Total 74 species; 28,235 individuals.

Falicia Buck, Doris Burnett, Bobbyann Daughtery, Richard Field, Dan Gish, Chod Hedinger, Jim Malcolm, Richard Martin, Chuck Otte, Rob Penner, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490).

**Kirwin National Wildlife Refuge.** 39°42'N 99°08'W. Center as described in 1994. 3 January 2004; 8:00 a.m. to 5:00 p.m.; 15° to 28°F. Wind N 10 mph. Still water partly frozen, moving water open; a.m. cloudy, p.m. cloudy. Twelve observers in 5 parties, plus 1 at feeders. Total party-hours 27.75 (1.25 on foot, 26.5 by car), plus 5 hours at feeders. Total party-miles 300 (1 on foot, 299 by car). Total 51 species; 44,900 individuals.

Sheri Baker, Terri Baker, John Beim, Erich Gilbert (compiler- Kirwin NWR, 702 E. Xavier Rd, Kirwin, KS 67644), Joan Hazlett, Marty Hines, Dolores Knowles, Sam Mannell, Terry Mannell, Deb Robinson, Dave Wangerin, Nancy Wangerin, Kathy Wyrill.

**Lakin.** 37°08'N 101°25'W. Center as described in 1994. 21 December 2003; 8:00 a.m. to 5:00 p.m.; 30°F to 62°F. Wind variable 5-15 mph. Still water frozen, moving water partly open; a.m. clear, p.m. clear. Eight observers in 4 parties, plus 2 at feeders. Total party-hours 16.5 (1 on foot, 15.5 by car), plus 0.25 hours at feeders. Total party-miles 207 (1 on foot, 206 by car). Total 48 species; 12,396 individuals.

Barbara Campbell, Bob Campbell, Doug Floto, Dixie Forsbert, Art Nonhof, Marie Osterbuhr, 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. 20 December 2003; 7:15 a.m. to 5:30 p.m.; 26°F to 52°F. Wind SE 5-15 mph. Still water partly open, moving water partly open; a.m. clear, p.m. clear. Thirty observers in 13 parties, plus 3 at feeders. Total party-hours 106 (38 on foot, 68 by car), plus 6 hours at feeders, 6 hours owling. Total party-miles 568 (35 on foot, 533 by car), plus 38 miles owling. Total 93 species; 28,727 individuals.

Bob Antonio, Lynn Armstrong, Kelly Barth, Bill Berkowitz, David Berkowitz, Roger Boyd, Bill Busby, Kit Carlson, Cal Cink, Mark Corder, Dee Hansen, Eric Hansen, Bill Hays, Joyce Huser, Susan Iverson, Tom Kreissler, Manoj Kummini, Bonnie Liseck, Mick McHugh, Duane Otto, Gerry Parkinson, Galen Pittman (compiler-12042 258<sup>th</sup> St., Lawrence, KS 66044), Alexis Powell, Banny Rucker, Bob Rucker, Dawn Sharp, Cynthia Shaw, Ed Shaw, Joyce Wolf, Ron Wolf.

**Leavenworth-Atchison.** 39°23'N 95°00'W. Center as described in 1992. 14 December 2003; 7:00 a.m. to 4:00 p.m.; 27°F to 32°F. Wind S 10 mph. Snow 4 in. Still water frozen, moving water open; a.m. cloudy, p.m. cloudy. Three observers in 1 party, plus 1 at feeders. Total party-hours 9 (2 on foot, 7 by car), plus 2 hours at feeders, 0.5 hours owling. Total party-miles 102 (2 on foot, 100 by car), plus 3 miles owling. Total 59 species; 7,233 individuals.

Chuck Allen, Galen Pittman, John Schukman (compiler-14207 Robin Rd., Leavenworth, KS 66048), Mike Stewart.

**Liberal-Seward County.** 37°08'N 100°50'. Center as described in 1992. 29 December 2003; 8:00 a.m. to 5:00 p.m.; 18°F to 42°F. Wind WSW 5-15 mph. Still water partly frozen, moving water partly open; a.m. clear, p.m. clear. Six observers in 2 parties. Total party-hours 9 (1 on foot, 8 by car). Total party-miles 100 (2 on foot, 98 by car). Total 51 species; 31,565 individuals.

K. Hart, S. Patti (compiler-552 W. Belden Ave., Chicago, IL 60614), M. Rader, B. Rogers, L. Rogers, M Thompson.

**Linn County.** 38°17'N 94°45'W. Center as described in 1982. 21 December 2003; 5:30 a.m. to 5:30 p.m.; 42°F to 56°F. Wind S 10 to 20 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. partly cloudy. Five observers

in 4 parties. Total party-hours 36 (5 on foot, 31 by car) plus 3 hours owling. Total party-miles 359 (5 on foot, 354 by car), plus 48 miles owling. Total 89 species; 14,530 individuals.

Roger Boyd (compiler-Biology Dept., Baker University, Baldwin City, KS 66006), Mark Corder, Mark Land, Nancy Leo, Dave Williams.

**Manhattan.** 39°11'N 96°34'W. Center as described in 1993. 20 December 2003; 5:00 a.m. to 6:00 p.m.; 24°F to 55°F. Wind variable 0-15 mph. Still water partly frozen, moving water open; a.m. partly clear, p.m. clear. Fifty-eight observers in 27 parties, plus 4 at feeders. Total party-hours 246.75 (96.5 on foot, 150.25 by car), plus 4 hours at feeders, 0.5 hours owling. Total party-miles 662 (94.5 on foot, 567.5 by car), plus 15.5 miles owling. Total 99 species; 103,123 individuals.

Susan Adamchak, Earl Allen, Bill Burnett, Doris Burnett, Chuck Bussing, Sandy Bussing, Ted Cable, Jack Culley, Elizabeth Dodd, Michael Donnelly, Clyde Ferguson, Lena Ferguson, Ann Feyerharm, Fred Freeman, Pat Freeman, Joe Hawes, Chod Hedinger, Jack Holl, Carol Hoogheem, Irwin Hoogheem, Eva Home, Bill Jensen, Richard Johnson, Tracey Johnson, Russ Jupantich, Stephen Kitchel, Ron Klataske, Karl Kosciuch, Roma Lenehan, Eiliza MacCharles, Nate MacCharles, Mark Mayfield, Barry Michie, Bob Mohr, Beth Montelone, Kirsten Nicolaysen, Ed Olson, Jack Oviatt, Peter Oviatt, Susan Oviatt, Tim Parker, Tom Parker, David Rintoul (compiler-Biology Division, Kansas State University, Manhattan, KS 66506-4901), Judy Roe, Brett Sandercock, Donna Shaver, Gary Shaver, Katie Shields, Tom Shields, Chris Smith, Gerry Snyder, Madonna Stallman, Michael Strobe, Dana Townsend, Harvard Townsend, Elizabeth Vanderlip, Paul Weidhaas, Patricia Yeager.

**Meade County.** 37°15'N 100°20'W. Center as described in 1985. 11 January 2004; 7:30 a.m. to 5:30 p.m.; 32°F to 60°F. Wind N 5 mph. Still water partly open, moving water open; a.m. clear, p.m. clear. One observer in 1 party, plus 4 at feeders. Total party-hours 10 (8 on foot, 2 by car), plus 10 hours at feeders. Total party-miles 70 (8 on foot, 62 by car). Total 56 species; 5,289 individuals.

Audrey Flowers, Kristy Flowers, Robin Flowers, Steven Flowers, Thomas Flowers (compiler-P.O. Box 87, Meade, KS 67864-0087).

**Olathe.** 38°54'N 94°51'W. Center as described in 1986. 20 December 2003; 7:00 a.m. to 3:00 p.m.; 25°F to 53°F. Wind S 20 mph. Still water partly frozen, moving water partly open; a.m. cloudy, p.m. partly clear. Three observers in 3 parties, plus 1 at feeders. Total party-hours 15 (2.5 on foot, 12.5 by car), plus 1 hour at feeders, 2.5 hours owling. Total party-miles 190.25 (3.25 on foot, 187 by car), plus 14 miles owling. Total 53 species; 4,110 individuals.

Steve Crawford, Dave Fischer, Don Weiss (compiler-12100 Cherry Lane, Olathe, KS 66061-8790).

**Old Garfield County.** 37°59'N 101°15'W. Center as described in 1993. 30 December 2003; 7:30 a.m. to 4:00 p.m.; 20°F to 50°F. Wind S 13 mph. Still water frozen, moving water partly frozen; a.m. clear, p.m. partly clear. Seven observers in 3 parties. Total party-hours 9.75 (0.5 on foot, 9.25 by car). Total party-miles 177.25 (0.25 on foot, 177 by car). Total 39 species; 5,229 individuals.

Barbara Campbell (compiler-709 W. Maple, Garden City, KS 67846), Bob Campbell, Camille Green, Connery Green, Marie Osterbuhr, Leonard Rich, Tom Shane.

**Olsburg.** 39°25'N 96°39'W. Center as described in 1991. 10 January 2004; 7:30 a.m. to 5:00 p.m.; 19°F to 50°F. Wind S mph. Still water frozen, moving

water partly open; a.m. clear, p.m. clear. Seven observers in 3 parties, plus 5 at feeders. Total party-hours 23.5 (4.5 on foot, 19 by car), plus 8 hours at feeders. Total party-miles 232 (2.5 on foot, 229.5 by car). Total 70 species; 11,532 individuals.

Doris Burnett, Jean Giddis, Carol Hoogheem, Erwin Hoogheem, Ruth Lynn Hooper, Cindy Jeffrey, Gary Jeffrey (compiler-15850 Galilee Rd, Olsburg, KS 66520), Irv Pressler, Dave Rintoul, Chet Rosell, Mary Rosell, John Wesley.

**Oskaloosa/ Perry Lake.** 39°12'N 95°24'W. Center as described in 1980. 21 December 2003; 6:15 a.m. to 5:30 p.m.; 43°F to 54°F. Wind S 10-25 mph. Still water open, moving water partly frozen; a.m. clear, p.m. partly cloudy. Eighteen observers in 7 parties. Total party hours 62.5 (12 on foot, 50.5 by car), plus 2.5 hours owling. Total party-miles 418.5 (9.5 on foot, 409 by car), plus 18.5 miles owling. Total 86 species; 29,162 individuals.

Richard Bean, Joanne Brier, David Herrin, Glen Koontz, Mick McHugh, Duane Otto, Galen Pittman, Marie Plinsky, Banny Rucker, Bob Rucker, Genevieve Rucker, Sarah Rucker, John Schukman, David Seibel, Roseanne Smith, Mike Stewart, Terry Sullivan, Bunnie Watkins (compiler-3212 W 24<sup>th</sup> Street Terrace, Lawrence, KS 66047).

**Parsons.** 37°30'N 95°15'W. Center as described in 1996. 27 December 2003; 8:00 a.m. to 4:00 p.m.; 54°F to 60°F. Wind S 20 mph. Still water open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Six observers in 3 parties. Total party-hours 11.5 (1.5 on foot, 10 by car). Total party-miles 73 (1 on foot, 72 by car). Total 59 species; 5,389 individuals.

Mary Haynes, Paul Milks (compiler-2624 Gabriel, Parsons, KS 67357), Ralph Pearce, , Richard Tucker.

**Pomona Lake.** 38°40'N 95°41'W. Center as described in 1993. 10 January 2004; 8:00 a.m. to 4:45 p.m.; 15°F to 40°F. Wind N 5 mph. Still water partly open, moving water partly open; a.m. clear, p.m. clear. Fifteen observers in 5 parties, plus 1 at feeders. Total party-hours 25 (4 on foot, 21 by car), plus 8 hours at feeders. Total party-miles 247.5 (4.5 on foot, 243 by car). Total 73 species; 17,914 individuals.

Jeffrey Bender (compiler-Pomona State Park, 22900 S. Hwy. 368, Vassar, KS 66543), Bill Busby, Bob Culbertson, Melissa Fox, Lloyd Fox, Matt Gearheart, Alan Godwin, Tonilee Rhoades, Stan Roth, Brett Shultz, Gina Shultz, Josiah Shultz, Mariah Shultz, Pat St. John, Will Chatfield Taylor, Lisa Weeks.

**Quivira National Wildlife Refuge.** 38°09'N 98°29'W. Center as described in 1972. 15 December 2003; 7:00 a.m. to 5:00 p.m.; 30°F to 38°F. Wind S a.m., N p.m. 10-20 mph. Snow 4-8 in. Still water frozen, moving water partly frozen; a.m. partly cloudy, p.m. cloudy. Nineteen observers in 5 parties. Total party-hours 36 (3 on foot, 33 by car). Total party-miles 350 (3 on foot, 347 by car). Total 72 species; 19,519 individuals.

Levi Beaver, Wallace Champeny, Rick Goodrick, Bob Gress, Kevin Groeneweg, Pete Janzen, Dan M. Kilby, Dan S. Kilby, Kerrie Kirkpatrick, Joyce Lent, Patty Marlett, Tyler McVay, Rob Penner, Courtney Poland, Jane Queal, Lee Queal, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Kate Walker, Robin Woods.

**Red Hills.** 37°13'N 98°42'W. Center as described in 1994. 3 January 2004; 7:30 a.m. to 5:30 p.m.; 38°F to 36°F. Wind NE 19-35 mph. Still water open, moving water open. a.m. clear, p.m. partly cloudy. Seventeen observers in 4 parties. Total party-hours 35 (8 on foot, 27 by car), plus 2 hours owling. Total

party-miles 301 (5 miles on foot, 296 by car), plus 20 miles owling. Total 82 species; 17,923 individuals.

Wallace Champeny, Mark Corder, Carol Cumberland, Marsha Ebaugh, Gregg Friesen, Mary Pat Haddican, Pete Janzen (compiler-3137 Mascot, Wichita, KS 67204-4407), Gloria Jones-Wolf, Dan Kilby, Kerrie Kirkpatrick, Patty Marlett, Bill Mayhew, Dale Randall, Ben Rogers, Stan Roth, Eddie Stegall, Savilla Stegall.

**Salina.** 38°50'N 97°38'W. Center as described in 1983. 20 December 2003; 7:45 a.m. to 5:00 p.m.; 21°F to 52°F. Wind S 0-15 mph. Still water frozen, moving water frozen; a.m. clear, p.m. clear. Fourteen observers in 5 parties. Total party-hours 33.5 (8.5 on foot, 25 by car). Total party-miles 312.75 (7.75 on foot, 305 by car). Total 50 species; 7,669 individuals.

David Haight, Kevin Haight, Lori Hall, Neva Heikes, Bob Highgate, Nancy Highgate, Harold Lear (compiler-612 Max Avenue, Salina, KS 67401-6661), Gary Morgan, Shannon Rayl, Patricia Remley, John Shoultys, Marge Streckfus, John Wachholz, Judy Zanardi.

**Sawyer.** 37°32'N 98°41'W. Center as described in 1979. 10 January 2004; 8:00 a.m. to 5:00 p.m.; 28°F to 50°F. Wind- none. Still water open, moving water open; a.m. clear, p.m. clear. Eighteen observers in 7 parties. Total party-hours 23.5 (11 on foot, 12.5 by car). Total party-miles 141 (4 on foot, 137 by car). Total 69 species; 58,498 individuals.

Ken Brunson (compiler-40050 NE 10<sup>th</sup> St., Pratt, KS 67124), Lee Ann Brunson, Nate Davis, Sam Fairleigh, Kevin Groeneweg, Mary Pat Haddican, Arlan Hair, Chris Hase, Kristen Hase, Bill Hlavachick, Linda Loomis, Jane Queal, Jack Strait, Brian Swafford, Christy Swafford, Bob Wood, Laurie Yasui, Amy Zavala.

**Scott Lake.** 38°35'N 100°56'W. Center as described in 1987. 20 December 2003; 7:40 a.m. to 5:00 p.m.; 18°F to 58°F. Wind S 0-5 mph. Snow few drifts. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Five observers in 1-3 parties, plus 2 at feeders. Total party-hours 15 (5.5 on foot, 9.5 by car). Total party-miles 158 (5 on foot, 153 by car). Total 60 species; 13,189 individuals.

Doug Floto, Marie Osterbuhr, Mike Ramsey, 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. 20 December 2003; 7:30 a.m. to 5:15 p.m.; 28°F to 51°F. Wind S-SSW 3-25 mph. Still water partly open, moving water partly open; a.m. clear, p.m. clear. One observer in 1 party. Total party-hours 9.75 (5 on foot, 4.5 by car), plus 1 hour owling. Total-party miles 88 (8 on foot, 80 by car), plus 43 miles owling. Total 43 species; 9030 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. 17 December 2003; 8:00 a.m. to 5:30 p.m.; 24°F to 38°F. Wind W 0-14 mph. Still water open, moving water open; a.m. clear, p.m. partly cloudy. Eight observers in 3 parties. Total party-hours 27 (4 on foot, 23 by car), plus 1.5 hours owling. Total party-miles 243.5 (2.5 on foot, 241 by car), plus 35 miles owling. Total 88 species; 5,207,672 individuals.

Wallace Champeny, Duane DeLong, Kevin Groeneweg, Patty Marlett, Eddie Stegall, Savilla Stegall, Max Thompson, Gene Young (compiler-1707 N 7<sup>th</sup> St, Arkansas City, KS 67005).

**Southeast KS Mined Land.** 37°14'N 94°58'W. Center as described in 1992. 1 January 2004; 7:30 a.m. to 4:30 p.m.; 55°F to 60°F. Wind S 25-30 mph. Still water open, moving water open; a.m. cloudy, p.m. cloudy. Fifteen observers in 6 parties. Total party-hours 43.25 (7 on foot, 36.25 by car). Total party-miles 225 (5 on foot, 220 by car). Total 71 species; 14,674 individuals.

Mavis Benner, James Brumfield, Debbie Christenson, Ellen Cox, Cindy Ford, Steven Ford (compiler-Biology Department, Pittsburg State University, Pittsburg, KS 66762), John Hartley, David Henness, Lawrence Herbert, Barry Jones, Connie Laughlin, Elizabeth Mangile, Robert Mangile, Ann Willis, Roger Willis.

**Syracuse.** 38°00'N 101°52'W. Center as described in 1994. 11 January 2004; 8:00 a.m. to 6:00 p.m.; 22°F to 64°F. Wind N 5 mph. Still water partly frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Eight observers in 4 parties. Total party-hours 17.5 (5 on foot, 12.5 by car). Total party-miles 183 (3 on foot, 180 by car). Total 55 species; 21,041 individuals.

Don Kazmaier, Art Nonhof (compiler-7560 Lindsay Dr., Holcomb, KS 67851-9783), Marie Osterbuhr, Mike Ramsey, Pam Ramsey, Scott Seltman, Sara Shane, Tom Shane.

**Topeka.** 39°02'N 95°40'W. Center as described in 1972. 20 December 2003; 7:00 a.m. to 5:15 p.m.; 23°F to 54°F. Wind S 13 mph. Still water partly frozen, moving water open; a.m. clear, p.m. clear. Twenty-four observers in 12 parties, plus 8 at feeders. Total party-hours 75 (34.25 on foot, 40.75 by car), plus 31.5 hours at feeders. Total party-miles 439.25 (26.5 on foot, 412.75 by car). Total 70 species; 30,291 individuals.

Judy Billings, Sandy Bohnsack, Jim Brier, Joanne Brier, Nancy Cole, Bob Foster, Dan Gish, Dean Grisell, Gary Haden (compiler-5225 SW 12<sup>th</sup> St, Topeka, KS 66604), Jeff Hansen, Peg Howard, Scottie Johnson, Joanna LaCoursiere, Roy LaCoursiere, Collette Langley, Dan Larson, Bob Lawson, Bob McElroy, Sara Merrill, Susan Miller, Larry Peters, Alan Pollom, Melody Pollom, Joanne Ramberg, Rhonda Simpson, Carole Smalley, Pat Stein, Janeen Walters, Lil Willis, Paul Willis.

**Udall/ Winfield.** 37°16'N 96°59'W. Center as described in 1972. 14 December 2003; 8:00 a.m. to 5:00 p.m.; 21°F to 40°F. Wind S 5 mph. Snow 6 in. Still water partly frozen, moving water open; a.m. heavy fog, p.m. foggy to clear. Nine observers in 5 parties, plus 1 at feeders. Total party-hours 36.25 (5.25 on foot, 31 by car), plus 8 hours at feeders, 1 hours owling. Total party-miles 379 (5 on foot, 374 by car), plus 11 miles owling. Total 85 species; 44,258 individuals.

Betty Anderson, Duane Anderson, Terry Barnett, Wallace Champeny, Duane DeLong, Kevin Groenewig, Gary Straley, Max Thompson (compiler- 1729 E. 11<sup>th</sup> Ave., Winfield, KS 67156), Robert Wimmer.

**Ulysses.** 37°30'N 101°18'W. Center as described in 1994. 1 January 2004; 8:00 a.m. to 5:00 p.m.; 27°F to 56°F. Wind SSW 5-10 mph. Still water open; a.m. partly cloudy, p.m. partly cloudy. Six observers in 3 parties. Total party-hours 15.25 (8.25 on foot, 7 by car). Total party-miles 147 (8 on foot, 139 by car). Total 43 species; 5,454 individuals.

Kellye Hart, Michael Ramsey, Sara Shane, Tom Shane, Brady Trotman, Jeff Trotman (compiler-912 N. Arapahoe, Ulysses, KS 67880).

**Waconda Lake.** 39°28'N 98°22'W. Center as described in 1992. 21 December 2003; 9:00 a.m. to 5:00 p.m.; 37°F to 49°F. Wind SW 0-5 mph. Snow <1 in. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy.

One observers in 1 party. Total party-hours 8 (2 on foot, 6 by car). Total party-miles 97 (1 on foot, 96 by car). Total 73 species; 93,122 individuals.

Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490).

**Wakefield.** 39°13'N 96°58'W. Center as described in 1992. 21 December 2003; 7:30 a.m. to 5:00 p.m.; 37°F to 53°F. Wind W-SW 0-18 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. partly cloudy. Five observers in 3 parties, plus 1 at feeders. Total party-hours 14.5 (2.75 on foot, 11.75 by car), plus 2 hours at feeders, 1 hour owling. Total party-miles 120 (3.5 on foot, 116.5 by car), plus 4.5 miles owling. Total 88 species; 5,315 individuals.

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

**Webster Reservoir.** 39°25'N 99°24'W. Center as described in 1992. 1 January 2004; 9:00 a.m. to 5:00 p.m.; 18°F to 61°F. Wind SW 0-5 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Two observers in 1 party. Total party-hours 8 (2 on foot, 6 by car). Total party-miles 71 (2 on foot, 69 by car). Total 54 species; 12,343 individuals.

Ellen Rader, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490).

**Wichita.** 37°41'N 97°21'W. Center as described in 1955. 20 December 2003; 7:30 a.m. to 5:30 p.m.; 30°F to 53°F. Wind S 7-20 mph. Still water partly frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Nineteen observers in 6 parties, plus 1 at feeders. Total party-hours 47 (30 on foot, 17 by car), plus 3 hours at feeders and 1 hours owling. Total party-miles 267 (41 on foot, 226 by car), plus 6 miles owling. Total 89 species; 54,237 individuals.

Charles Andersen, Bill Beard, Roy Beckemeyer, Sharon Bolin, Mary Butel, Walker Butin, Wallace Champeny, Harry Gregory, Bob Gress, Kevin Groeneweg, Pete Janzen (compiler-3137 Mascot, Wichita, KS 67204-0182), Patty Marlett, Rob McHenry, Rosa McHenry, Ben Rogers, Eddie Stegall, Savilla Stegall, Don Vannoy, Art Weigand.

**Wilson Reservoir.** 38°56'N 98°34'W. Center as described in 1994. 14 December 2003; 7:00 a.m. to 5:30 p.m.; 16°F to 39°F. Wind S 5-15 mph. Snow 4 in. Still water partly frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Five observers in 2 parties. Total party-hours 15 (2 on foot, 13 by car). Total party-miles 148 (3 on foot, 145 by car). Total 79 species; 12,580 individuals.

Charles Anderson, Henry Armknecht, Gary Eichman, Larry Hower, Greg Nichols, Ryan Nichols, Ben Nondorf, Ellen 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. 10 January 2004; 8:00 a.m. to 2:00 p.m.; 20°F to 53°F. Wind SE 0-5 mph. Still water frozen, moving water open; a.m. clear, p.m. clear. Fourteen observers in 6 parties. Total party-hours 20.75 (4.5 on foot, 16.25 by car). Total party-miles 220 (6 on foot, 214 by car). Total 57 species; 31,574 individuals.

Levi Beaver, Mary Clark (compiler-Dillon Nature Center, 3002 E 30<sup>th</sup>, Hutchinson, KS 67502), Dan Dyck, Jennifer Dyck, Linda Dyck, Carolie Ediger, Garrett Ediger, Rick Goodrick, Steve Kinser, Kerrie Kirkpatrick, Jay Miller, Verna Miller, Jim Smith, Doug Wildin.

<sup>1</sup> *Biology Department, Baker University, PO Box 65, Baldwin City, KS 66006.*

Species	Aima	Arkansas City	Baldwin	Black Wolf	Blue Rapids	Bonner Springs	Camp Naish	Cedar Bluff	Cheyenne Bottoms	Cimarron Nat. Grassl	Council Grove	Dodge City	Doniphan County	El Dorado Lake
Gr. White-fronted Goose		46				1		1	295					
Snow Goose, White form	20	CW	5		801	1		300	152	80	425		5100	
Blue Form	4									11	75		2200	
Ross' Goose		CW						100	2	3			3	
Canada Goose	121	2179	3899	705	106	4400	175	5500	5639		653	1747	20	639
goose sp.										10				
Trumpeter Swan														
swan sp.														
Wood Duck									30					
Gadwall		41	24		2	72					31			1
Am. Wigeon		1						235			2			
Am. Black Duck														
Mallard	41	107	123	30	5596	176	5	4700	350	3	38	159	700	45
Blue-winged Teal														
N. Shoveler											3			
N. Pintail														
Green-winged Teal		9	2			5			1					
Canvasback									1					
Redhead		1						7	2					3
Ring-necked Duck			2			7								
Greater Scaup			13											
Lesser Scaup	1		104			2		12	8					
Long-tailed Duck														
Bufflehead			26			2								
Common Goldeneye	20	22	42		14	180		250	60	1	405		28	139
Hooded Merganser			8			13		120	2		21			3
Common Merganser	2					200		5	2		89		6	
Red-breasted Merganser	1							1						
Ruddy Duck														
duck sp.														
Ring-necked Pheasant		11		3	4			9	16	17		4		
Greater Prairie-Chicken														
Lesser Prairie-Chicken										22				
Wild Turkey	10	65	56	83	138	3	1				108	9	5	
Scaled Quail											27			
N. Bobwhite	CW	CW	15	27		10		1	2	44	10		3	6
Common Loon	1													
Pied-billed Grebe			1			3								
Horned Grebe														
Eared Grebe											CW			
Am. White Pelican											1			
Double-crested Cormorant	1	3				1								
Great Blue Heron	1	6	3	1		4		9	14	2	4	1		3
Turkey Vulture														
Bald Eagle	CW	21	1	CW	7	14		13	5		6		10	
N. Harrier	CW	30	20	20	25	1		18	67	44	11	11		19
Sharp-shinned Hawk		2	2		2	2		2	1	6			1	1
Cooper's Hawk		2				3	1	1	1	2	CW			2
N. Goshawk														
Accipiter sp.		1								1				
Red-shouldered Hawk														
Red-tailed Hawk	4	142	30	55	50	91	6	15	47	24	24	29	12	24
Harian's		1	2		5									
Ferruginous Hawk									3	20		10		
Rough-legged Hawk	CW			6	5			3	11	5		4	1	
Buteo sp.					3				15	2	1	11		
Golden Eagle					1					1				
Am. Kestrel	2	25	29	36	11	22	2	27	12	38	9	16	7	4
Merlin		1		1	3			1		5	2			
Peregrine Falcon														
Prairie Falcon		1		2	1			2	3	3	2	1		1
Virginia Rail		1												
Sora Rail														
Am. Coot		CW				3		150	3					
Sandhill Crane														
Killdeer		8	1								2			
Wilson's Snipe														
Bonaparte's Gull		6												
Ring-billed Gull	1	20	8		1	57	35	255		CW	137	2		10
Herring Gull	1	3				1		4	13		13			522
Thayer's Gull														1
Lesser Black-backed Gull														
Glaucous Gull														
gull sp.														
Rock Pigeon	12	144	74	148	10	70	12	35	143	98	6	406	30	21
Eurasian Collared Dove					2	1			1	102				
Ringed Turtle-Dove														
White-winged Dove														
Mourning Dove		78	68	22	10	163	11	7	5	133	29	17		1
Inca Dove														
Greater Roadrunner														
Barn Owl		3						1	1	3				
W. Screech-Owl										1				
E. Screech-Owl		10	1	3	6	1		4	1		1			
Great Horned Owl	1	30	2	2	1	4		2	1	9	2		1	
Barred Owl		24	3		5	4	1							3
Long-eared Owl								33		6				

Species	Alma	Arkansas City	Baldwin	Black Wolf	Blue Rapids	Bonner Springs	Camp Naiah	Cedar Bluff	Cheyenne Bottoms	Cimarron Nat. Grassl	Council Grove	Dodge City	Doniphan County	El Dorado Lake
Short-eared Owl		3		2				1	26					
Belted Kingfisher	2	6	2	4	3	5	1	2	1		CW			1
Red-headed Woodpecker	8	1	6	1		8							1	
Red-bellied Woodpecker	15	72	76	14	24	68	18	9	6	1	15	1	14	7
Yellow-bellied Sapsucker	1	7	4	CW	8	11					CW			
Ladder-backed Woodpecker														
Downy Woodpecker	5	44	56	14	37	52	18	9	14	6	10	3	18	15
Hairy Woodpecker	2	11	11	12	4	7	3	2	6	6	4		2	1
N. Flicker	22	24	38	10	22		6	5	53	14	6		5	6
Yellow-shafted		14	39	9	25	71		10		3	14	6	3	2
Red-shafted			2	4		1		13		16	1	1		2
Pileated Woodpecker		5	3			2	2							
Eastern Phoebe		1												
Loggerhead Shrike			2		1				1	11			1	2
N. Shrike									1	1				
Blue Jay	17	98	163	4	63	182	36		4	11	3			8
Black-billed Magpie									8		3			
Am. Crow	56	214	390	29	3668	143	19	1	17		85			54
Chihuahuan Raven									3					
Horned Lark	3	252	29	348	86	71		290	242	9334	95	662	55	62
Carolina Chickadee		127												
Black-capped Chickadee	8		142	25	42	118	51	2	2		27	1	8	12
Tufted Titmouse	5	54	46		15	77	47				9		3	11
Bushtit										15				
Red-breasted Nuthatch			1	1		1				1		CW		
White-breasted Nuthatch	7	11	34	14	20	47	15	4	3	2	10	1	12	13
Brown Creeper	3	4	7	1	4	2				1	4			14
Rock Wren								1						
Carolina Wren	4	30	19	2	6	31	15				11		2	
Bewick's Wren		1					1							2
House Wren						1								
Winter Wren	1		2	1		1	1				1			
Marsh Wren				1				3	1	1				
Golden-crowned Kinglet		2	3	4	5	1		2			9			10
Ruby-crowned Kinglet		23	CW	1	1	1					2			2
E. Bluebird	5	122	258	27	37	125	12		3		28		14	26
Mountain Bluebird				3										
Townsend's Solitaire										2				
Hermit Thrush						2								
Am. Robin	32	699	4273	20	191	672	83	100	3	125	5		1	6
Varied Thrush		1												
N. Mockingbird		25	16		3	43	1			1	1			
Brown Thrasher			1			1								
European Starling	45	40,190	3722	388	264	3655	22	2025	2838	486	452	2341	230	197
Cedar Waxwing	12	5	175	4	8	11	42	15		27	1			
Orange-crowned Warbler														
Yellow-rumped Warbler	2	36	62		4	74	3			1				
Spotted Towhee		10			2	1		1		1				
E. Towhee														
Am. Tree Sparrow	182	493	272	387	812	173		570	516	175	711	8	58	633
Field Sparrow		18	1							1				
Vesper Sparrow										1				
Savannah Sparrow		1	2											
Fox Sparrow	2	10				12								
Song Sparrow	6	162	21	2	6	37	34	19	8	25	7		8	3
Lincoln's Sparrow														
Swamp Sparrow		13				1								
White-throated Sparrow		10	1			7	3							
Harris' Sparrow	22	810	162	92	123	92	3	21	37		150			279
White-crowned Sparrow		61	23		17	13				117	10			
Dark-eyed Junco	180	257	536	13		10	103	56	1	66				175
Slate-colored		559	252	180	345	740		54		361	187	39	68	
Oregon		6	1		1			106		25				1
Pink-sided										6				
McCown's Longspur										17				
Lapland Longspur		105	3	516				250	20	1198		12		
Smith's Longspur														
Chestnut-collared Longspur										21				
N. Cardinal	17	187	222	20	100	235	29	3	14		68	2	20	24
Red-winged Blackbird	115	100,700	2197	144	163	3750	7	195	1901	1675	352	1000	500	750
E. Meadowlark	8	4	61	20					10					
W. Meadowlark		1	25	121				150	8	372		388		
<i>Sturnella</i> sp.		267	289	144	519	135			57	210	3		31	10
Rusty Blackbird	12	20	50		35	2		4						
Brewer's Blackbird		17	18											200
Common Grackle		6300			18	6						1507	1	6
Great-tailed Grackle		2											40	6
Brown-headed Cowbird	125	2	18		17			300		9		9	4	5
blackbird sp.		1000		25					25	3				
Purple Finch			25			14								
House Finch	25	26	75	9	6	96	5	11	38	47	1	32	1	
Red Crossbill										6				
Pine Siskin														
Am. Goldfinch	2	54	288	80	190	66	17	28	14	54	15	3	20	36
House Sparrow	CW	299	463	270	167	307	5	31	311	775	3	689	180	7
Total	1195	156519	19151	4111	13870	16698	851	16116	13086	15959	4416	9138	9427	4036
Species	50	82	74	53	60	79	39	63	61	65	54	34	41	52

Species	Emporia	Garden City	Halstead-Newton	Hays	Ingalls/Cimarron	Jetmore	John Redmond	Junction City	Kanopolis	Kirwin	Lakin	Lawrence	Leavenworth Atchinson	Liberal Seward Co.
Gr. White-fronted Goose			6						5	1000			8	
Snow Goose, White form	206	2450					30000	4023	400	1500	5272	195	300	
Blue Form		500					12500	405	20	500	34	95	100	
Ross' Goose								1	3		3	1	1	
Canada Goose	9395	1140	895	332	820		1923	1111	6444	15000	1518	4460		260
goose sp.														
Trumpeter Swan														
swan sp.														
Wood Duck		76									1			2
Gadwall	4			1			4	50	125			58	12	8
Am. Wigeon		106		1	1		20		6	10	3	2		330
Am. Black Duck												1		
Mallard	188	1283	310	13	77		7295	936	1800	15000	650	2340	6	6200
Blue-winged Teal		18					4							
N. Shoveler		9					311				3	2		
N. Pintail		31	12					3	2			CW		60
Green-winged Teal		4					8		5			3		62
Canvasback	6						2					1		38
Redhead	6													
Ring-necked Duck	29						20						1	
Greater Scaup														
Lesser Scaup	3	10					14						3	
Long-tailed Duck													1	
Bufflehead							4				3		7	
Common Goldeneye	17	22					21	92	650	2000		62	24	11
Hooded Merganser		5					8	18	15	2		32		
Common Merganser		6						6008	6500	5000		203		20
Red-breasted Merganser												2		
Ruddy Duck														
duck sp.														
Ring-necked Pheasant		32	29	102	11	17		2	12	24	10		1	25
Greater Prairie-Chicken	12						CW		29					
Lesser Prairie-Chicken														
Wild Turkey	37		17				361		CW	150		90		
Scaled Quail		1												
N. Bobwhite	35	139	32	7	8		29	16	51			21		
Common Loon												CW		
Pied-billed Grebe								1						
Horned Grebe														
Eared Grebe														
Am. White Pelican							8	9	2			1		
Double-crested Cormorant							37	1				1		
Great Blue Heron	1	15	5	4			25	5	22			25		2
Turkey Vulture														
Bald Eagle	1						31	37	15	2		39	7	
N. Harrier	23	28	19	7		1	19	10	17	14	31	28	3	28
Sharp-shinned Hawk	3	6	4	3	1		3	1	1			14	3	
Cooper's Hawk	3		1	3				2			1	6		
N. Goshawk														
Accipiter sp.							1					1		
Red-shouldered Hawk												1		
Red-tailed Hawk	52	28	88	45	14	3	39	23	77	47	24	166	12	15
Harlan's		2	3		1			3	1		1	1	1	3
Ferruginous Hawk		5			7	2					4			1
Rough-legged Hawk	3	8	6	3	11	3			10	1	18		1	8
Buteo sp.		2	5			4	3		3	2	8			
Golden Eagle														
Am. Kestrel	9	12	37	28	13	13	2	3	33	13	14	47	6	9
Merlin		1		1				2	1		2	1		
Peregrine Falcon								1						
Prairie Falcon		2	2	6	9		1	3			1	1		1
Virginia Rail				1										
Sora Rail														
Am. Coot	10							42					CW	2
Sandhill Crane														
Killdeer							6	1						1
Wilson's Snipe									3					1
Bonaparte's Gull									CW			1		
Ring-billed Gull	8						1140	53	700	1000	1	2460	1	
Herring Gull	2						20	11	260	20		26		
Thayer's Gull									2					
Lesser Black-backed Gull														
Glaucous Gull														
gull sp.										13				
Rock Pigeon	90	750	322	197	45	6	5	57	28	160	67	1000	24	117
Eurasian Collared Dove		50	4	CW	65						113			6
Ringed Turtle-Dove														
White-winged Dove	CW	CW												
Mourning Dove	73	7	132	42	54		24	38	26		3	421	10	27
Inca Dove														
Greater Roadrunner														
Barn Owl		1										2		
W. Screech-Owl														
E. Screech-Owl	1		4					1	1	1		6		
Great Horned Owl	4	16	9	3			6	9	1	1	2	15	2	2
Barred Owl	2		1				3	1				11	1	
Long-eared Owl	14							1			1	7		

Species	Emporia	Garden City	Halstead-Newton	Hays	Ingalls/Cimarron	Jetmore	John Redwood	Junction City	Kanopolis	Kirwin	Lakin	Lawrence	Lewesworth Atchinson	Liberal Seward Co.
Short-eared Owl	1	2							1					
Belted Kingfisher	1	1	6	2	1			3	3			1		1
Red-headed Woodpecker								2	1			22	2	
Red-bellied Woodpecker	49	1	66	11	2		11	17	31	9		100	24	1
Yellow-bellied Sapsucker	3	2	2					4	1			6	1	
Ladder-backed Woodpecker		1												
Downy Woodpecker	23	9	51	19	5		9	15	29	20	2	99	19	2
Hairy Woodpecker	2	3	9	9			6	5	14	4		10	1	2
N. Flicker		9	27	15			2	45	33	30	4	25	3	4
Yellow-shafted	24	6	51	8		1	16	3	8		4	100	5	
Red-shafted	2	13	15	2	4				3		3	2		
Pileated Woodpecker							1					4	3	
Eastern Phoebe														
Loggerhead Shrike	1	1	2	2			1	2	3			3		1
N. Shrike					1			3						
Blue Jay	26	23	80	2	5		30	41	10		11	215	25	3
Black-billed Magpie		31		4	2					17	11			2
Am. Crow	28	2	67	12		4	630	563	28	25	1	471	20	88
Chihuahuan Raven														
Horned Lark	555	744	2277	2203	165	144	30	40	85	579	1350	36	89	86
Carolina Chickadee														
Black-capped Chickadee	36		58	22			43	18	44	24		273	26	
Tufted Titmouse	18		25				31	3	2			133	16	
Bushtit														
Red-breasted Nuthatch	2	1		1			1					4	2	
White-breasted Nuthatch	13	5	19	5			5	9	29	15	1	96	15	2
Brown Creeper	5	6	9	1			1	1	14			17	1	
Rock Wren														
Carolina Wren	5	2	30	1			2	5	8			27	8	
Bewick's Wren														
House Wren														
Winter Wren	1	1	6		1			6	4			1		
Marsh Wren				11					1		1			1
Golden-crowned Kinglet	6		8	5			5	3	2			9		
Ruby-crowned Kinglet	3	4	11				1	4		1		4		
E. Bluebird	32		52				18	36	103	3		244	13	
Mountain Bluebird									1					
Townsend's Solitaire														
Hermit Thrush		CW												
Am. Robin	32	171	359	1	2		19	53	248	298	6	841	6	2
Varied Thrush														
N. Mockingbird	3	7	4		2		4	4				16		1
Brown Thrasher	1	1												
European Starling	1243	13654	2616	2377	409	416	73	285	1373	918	1152	5490	5074	10350
Cedar Waxwing	2	12	5					4	11	3		30		
Orange-crowned Warbler														
Yellow-rumped Warbler	1		16					49	9			23	2	
Spotted Towhee		1	5				1		5	3	1	1		
E. Towhee	1		1											
Am. Tree Sparrow	213	98	548	478	110	23	147	378	802	295	90	380	184	66
Field Sparrow										59		1		
Vesper Sparrow														
Savannah Sparrow														
Fox Sparrow	1						2	4			20	2	1	
Song Sparrow	13	3	61	52	29		20	9	14	52	3	216	74	7
Lincoln's Sparrow				1										
Swamp Sparrow								4				42	80	
White-throated Sparrow	1	2	3				4	1				11	25	
Harris' Sparrow	111	12	751	68	1	3	80	196	227	62	3	53	33	
White-crowned Sparrow	6	420	7	3	27		10	7		8	20	24	40	64
Dark-eyed Junco		284		20	27	3	185	249	149	14	14	69	350	41
Slate-colored	248	40	496	64			43	161	77	9	9	781	90	50
Oregon	3	50	3	14					1		3	3		
Pink-sided														
McCown's Longspur														
Lapland Longspur	1	1750	2055	727	2588			80	317	245	16		1	
Smith's Lonspur														
Chestnut-collared Longspur														
N. Cardinal	86	9	129	5	1		73	36	82	25	1	269	41	1
Red-winged Blackbird	1879	210	3941	1046	21		15000	284	4055	201	1014	4550	150	11610
E. Meadowlark	262		35				92		1			4	1	
W. Meadowlark		310	44	709	194	112		228	63	132	132	5	1	410
<i>Sturnella</i> sp.			645					3	404			376	48	
Rusty Blackbird	40		8					23				6	5	
Brewer's Blackbird	21		3						1803			2		
Common Grackle		35	874		1		300				5	1		80
Great-tailed Grackle	28	915					300					500		1004
Brown-headed Cowbird	5	10	240		23		100	29	377	1		41	4	50
blackbird sp.			180				1075							
Purple Finch		CW										9	2	
House Finch	45	258	65		4		2	62	13	25	6	161	7	19
Red Crossbill														
Pine Siskin	2	20										4		
Am. Goldfinch	46	20	130	21			60	74	29	81	2	175	46	20
House Sparrow	329	2081	345	354	279	155	40	121	345	150	659	880	170	380
Total	15696	28005	18383	9078	5040	910	72370	15898	28235	44900	12331	28727	7233	31565
Species	76	71	65	52	38	16	70	75	74	51	48	93	59	51

Species	Linn County	Manhattan	Meade County	Olathe	Old Garfield	Olzburg	Oskaloosa Perry Lake	Parsons	Pomona	Quivira	Red Hills	Salina	Sawyer	Scott Lake
Gr. White-fronted Goose		5	25					15		2736	9	4	3010	
Snow Goose, White form	1	36801	550			260	251		6266	101	450	3	759	2
Blue Form		4511	125				100		1060		50			1
Ross' Goose		10					4		16	1			2	
Canada Goose	6625	4505	2535	1185		80	3468	94	1410	169	1627	1385	31035	452
goose sp.														
Trumpeter Swan		3												
swan sp.														
Wood Duck		2						2						
Gadwall	90	127	2	4		4	43	20	10		7		7	
Am. Wigeon	1	9	19				2				91			8
Am. Black Duck														
Mallard	1555	2611	155	97		217	11742	450	2341	741	174	31	119	1464
Blue-winged Teal		CW						11						
N. Shoveler	50	30	50					63						
N. Pintail	4						15	2			122			1
Green-winged Teal	6	77	12								2		6	
Canvasback			2											
Redhead	1	9	3				4							
Ring-necked Duck	1	502	2	2			7	3			15			
Greater Scaup														
Lesser Scaup	4	1234				2	74		100		7			
Long-tailed Duck														
Bufflehead	2	45		7			1	22			1			
Common Goldeneye	9	85	6	3			142	2	220		5			1
Hooded Merganser	21	148					28		61	2				2
Common Merganser		1941	2	4		311	2072	2	71				4	
Red-breasted Merganser		1					1							
Ruddy Duck	18													
duck sp.							180					15		
Ring-necked Pheasant		1	CW		11	4				436	1	2	8	1
Greater Prairie-Chicken		26				5								
Lesser Prairie-Chicken			CW											
Wild Turkey	3	173	46	15		267	128		29	565	132	30	24	50
Scaled Quail														
N. Bobwhite	19	145	100			12	27		16	387	50	20		
Common Loon	6													
Pied-billed Grebe	5										1			
Horned Grebe														
Eared Grebe														
Am. White Pelican							2							
Double-crested Cormorant	5	CW					22							
Great Blue Heron	10	31	1	1			8	7	2	8	1		7	1
Turkey Vulture														
Bald Eagle	11	47	CW		1	22	43	6	3	52	1			
N. Harrier	49	33	3		13	29	21	9	18	106	34	14	24	5
Sharp-shinned Hawk	3	13			3	2	3	1	2	5	4			1
Cooper's Hawk	3	8	1	1		4	1	1	3	1	5	1	3	1
N. Goshawk														
Accipiter sp.								1					2	
Red-shouldered Hawk	4													
Red-tailed Hawk	101	147	7	12	9	85	84	24	122	103	53	55	44	7
Harlan's	1	10				2	1	1		6		2		
Ferruginous Hawk		2	2		2									1
Rough-legged Hawk	4	5		1	9	4	1	1	2	22	2	3	1	2
Buteo sp.		6				8			1	1	1	5	2	
Golden Eagle						1								
Am. Kestrel	21	15	9	16	4	6	13	9	17	43	35	27	24	5
Merlin		1	CW		3	2			1	5	2		1	2
Peregrine Falcon										1				
Prairie Falcon		2	1		3					7	2	2	3	
Virginia Rail										1	1			
Sora Rail										1				
Am. Coot	92	1	350	23			4							
Sandhill Crane										60	4009			
Killdeer		3						5						
Wilson's Snipe			2								12		1	
Bonaparte's Gull	82						13							
Ring-billed Gull	132	936		178		17	1800	18	29			1		1
Herring Gull	4	15				2	531		5					
Thayer's Gull														
Lesser Black-backed Gull														
Glaucous Gull														
gull sp.														
Rock Pigeon	71	51		9	16	5	18	11	20		17	162	69	22
Eurasian Collared Dove	2	2	2								4			148
Ringed Turtle-Dove														1
White-winged Dove														
Mourning Dove	14	57	CW	33			52	16	23	12	61	19	4	
Inca Dove			2											
Greater Roadrunner											1		1	
Barn Owl													1	
W. Screech-Owl														
E. Screech-Owl	1	5		2	1		5			2	3			1
Great Horned Owl	1	14	CW	1	1		6		1	3	4			1
Barred Owl	8	12					9			1	2		7	
Long-eared Owl						1				1				

Species	Linn County	Manhattan	Meade County	Olathe	Old Garfield	Olzburg	Oakaloosa Ferry Lake	Parsons	Pomona	Quivira	Red Hills	Salina	Sawyer	Scott Lake
Short-eared Owl	21									1		CW	4	
Belted Kingfisher	1	17	3	1		1	CW	3	2	1	5	1	3	
Red-headed Woodpecker	19	81		1		7	6	3	3					
Red-bellied Woodpecker	74	122	7	11	2	36	97	22	54	16	17	24	27	8
Yellow-bellied Sapsucker	1	12	2	1		2	12			1	2	1	1	1
Ladder-backed Woodpecker														
Downy Woodpecker	38	105	3	8		18	77	8	39	22	9	14	20	13
Hairy Woodpecker	6	18	2	3		3	11	8	3	6	3		4	2
N. Flicker	24	63	17			28	66	9	27	56	54	6	4	10
Yellow-shafted	50	110		4	2	27	71		22	28	21	15	8	5
Red-shafted		11			11	21	1			8	15	1	3	7
Pileated Woodpecker	9			1				2	2					
Eastern Phoebe														
Loggerhead Shrike	5		CW		1		2	1	2	2				
N. Shrike					1					1				
Blue Jay	83	421	CW	17	3	49	194	30	85	2	3	7	2	4
Black-billed Magpie										2			1	3
Am. Crow	308	4459	12	44		7859	249	59	163	14	1280	18	91	
Chihuahuan Raven														
Horned Lark	72	725	9	27	1906				32	362		372	371	717
Carolina Chickadee								13			28		9	
Black-capped Chickadee	66	149	1	18		34	191		98	1		20	20	1
Tufted Titmouse	54	83		13		15	107	9	45		6	2	17	
Bushtit														
Red-breasted Nuthatch	1	1					1	3	5					2
White-breasted Nuthatch	32	61	8	4		10	51	10	19	1	5	7	42	4
Brown Creeper	4	16	1	1		2	2		7		1	1	3	1
Rock Wren							1							
Carolina Wren	19	71		12		9	27	2	6		6	3	21	
Bewick's Wren		3				1				2	4			
House Wren														
Winter Wren	1	3							1		1		2	
Marsh Wren										1				4
Golden-crowned Kinglet	2	22				1	1		7	2	8		4	
Ruby-crowned Kinglet	2	16	3			2	3			2	8	1	8	3
E. Bluebird	194	267	13	79		164	278	24	93	21	113	21	18	39
Mountain Bluebird										1	376		1	8
Townsend's Solitaire		1			1								1	8
Hermit Thrush	1	1					1		1					1
Am. Robin	211	1599	22	110	2	223	876	33	449	16	2086	4	292	90
Varied Thrush														
N. Mockingbird	10	5	CW	4		2	21	2	12	1	5			
Brown Thrasher		1		1			1			1				
European Starling	1810	32927	261	1777	64	284	2051	1653	257	431	853	1796	317	233
Cedar Waxwing	70	27	9	28		43	18		102		99		62	36
Orange-crowned Warbler														
Yellow-rumped Warbler	30	68	1	5		9	27		11	4	174	1	48	2
Spotted Towhee		13				5	4			2	2			6
E. Towhee		1					1							
Am. Tree Sparrow	183	1084	125	6	93	404	480	45	1078	1162	801	346	315	14
Field Sparrow	2	46			23	2	2	4			8		2	
Vesper Sparrow														
Savannah Sparrow		2					1				2			
Fox Sparrow	2	6				1	2				6			
Song Sparrow	75	30	31	2	4	7	93	1	6	50	30	1	47	12
Lincoln's Sparrow	1									2				
Swamp Sparrow	4	2					1			5	2		4	
White-throated Sparrow	32	7		5			18	9			4	1	20	
Harris' Sparrow	28	376	162	8	3	73	177	16	217	431	810	146	112	13
White-crowned Sparrow	71	8	CW	2	8	7	38	53	12	46	72	1	25	9
Dark-eyed Junco	559		289			226	512	77	328			204	99	110
Slate-colored		1439		99	22		652			309	793		62	41
Oregon		5					2		2	4	6		2	32
Pink-sided														
McCown's Longspur														
Lapland Longspur	1	21	CW		1301			1800		54			2250	7688
Smith's Lonspur		5												
Chestnut-collared Longspur			CW											
N. Cardinal	112	217	4	21		28	161	54	192	39	27	67	57	12
Red-winged Blackbird	766	2496	15		1342	119	592	365	1980	9181	1186	1543	18429	951
E. Meadowlark	4	141		20		4	29	30	20		15	1	1	
W. Meadowlark	52	4	67		197		2			1	140	1	1	29
<i>Sturnella</i> sp.	132	253				38	93		211	1274	558	280	335	
Rusty Blackbird					1	2	64	200	1	1			6	
Brewer's Blackbird		36			21	4				13	239	5		
Common Grackle	11	20	2		2	2		1		30				3
Great-tailed Grackle	9	1								96	5			
Brown-headed Cowbird	11	38					7		1	9	7	80		
blackbird sp.			1								775	500		
Purple Finch		7				2	39		3				1	
House Finch	15	269	9	74		131	169		100		82	26	33	47
Red Crossbill														
Pine Siskin			7			6	7							
Am. Goldfinch	77	323	58	12	3	111	148	30	130	47	149	84	59	25
House Sparrow	125	388	131	97	137	138	217	20	185	179	23	290	68	814
Total	14530	103120	4110	4110	5229	11512	29156	5394	17913	19519	17923	7674	58497	13181
Species	89	99	55	55	38	65	85	58	66	72	82	50	69	59

Species	Seneca	Slate Creek Oxford	SE KS Mine Lands	Syracuse	Topeka	Udall Winfield	Ulysses	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	Totals
Gr. White-fronted Goose		20				50		150			134	1	114	7635
Snow Goose, White form	4500	107	9	15589	693			17000	175		104	1	372	135224
Blue Form	1500			156				3000	24		6		10	26987
Ross' Goose	1	12		1602				12		1	33		24	1835
Canada Goose	50	1193	892	303	17689	2119	14	8000	378	5000	17917	524	20716	198446
goose sp.														10
Trumpeter Swan														3
swan sp.					2									2
Wood Duck											6	2	2	123
Gadwall		58			272	86		1	38	1	227	2		1432
Am. Wigeon	1	50			2	5		1	4		38	5	10	963
Am. Black Duck														1
Mallard	2500	1213	79	123	1538	3263	150	6000	573	4200	3206	1964	152	94829
Blue-winged Teal														33
N. Shoveler		9					8	9	2		411			960
N. Pintail	2	2			4	2		1	10		1	1		275
Green-winged Teal		9		1	10			4	5	4	579	19		833
Canvasback		16				22					40	1		129
Redhead		3							3		80	5		127
Ring-necked Duck		26	19	11		21			4		95			767
Greater Scaup											17			30
Lesser Scaup	1	13		1	1	10			4		298	4		1910
Long-tailed Duck														1
Bufflehead					9	7		3	10		71	38		258
Common Goldeneye		38			221	34		2120	14	275	228	750		8213
Hooded Merganser					21	67		3	16	60	87	72		835
Common Merganser	2			5	4	28		40000	25	120	7	3200		65839
Red-breasted Merganser						7		2				5		20
Ruddy Duck											39			57
duck sp.		33	33				4							265
Ring-necked Pheasant	7	26		7		5	14	23	3	4	7	39	3	931
Greater Prairie-Chicken								2				40		114
Lesser Prairie-Chicken														22
Wild Turkey		109	6		73	48		42	47	2	11	23	4	2960
Scaled Quail														28
N. Bobwhite		8	21	13	CW	112	12	2		42		13	2	1457
Common Loon						2			2			1		12
Pied-billed Grebe		1			2						5	1		20
Horned Grebe												1		1
Eared Grebe														0
Am. White Pelican								1		1		2		27
Double-crested Cormorant			3			7			1			4		86
Great Blue Heron		5	9		10	4		8		3	37	5	9	319
Turkey Vulture			1											1
Bald Eagle	2	21	6	3	7	4		4	38	38	5	3	1	527
N. Harrier	5	44	43	18	2	16	19	23	14	3	4	19	26	1088
Sharp-shinned Hawk		3		1	3	2		1	6	CW	5	CW	3	119
Cooper's Hawk	1			1	3	1		1	1		6	1	5	81
N. Goshawk				1										1
Accipiter sp.			1											8
Red-shouldered Hawk			3											8
Red-tailed Hawk	6	192	104	29	65	60	16	26	75	14	50	29	44	2749
Harlan's		4	1		1	1	5	1	4		3		2	69
Ferruginous Hawk				2			1							62
Rough-legged Hawk			1				3	6	1		2	1	4	182
Buteo sp.			6				2		3				1	95
Golden Eagle				1								1		5
Am. Kestrel	6	33	32	16	28	21	1	7	10	6	9	16	13	921
Merlin				2	CW		2		4			2		48
Peregrine Falcon								1			CW			3
Prairie Falcon		7		2		1		2	1		CW	1	4	80
Virginia Rail														4
Sora Rail														1
Am. Coot		7			105	2		3	33		186	86		1102
Sandhill Crane														4069
Killdeer		2			4	1					13			47
Wilson's Snipe											1			23
Bonaparte's Gull		4			30						265			411
Ring-billed Gull		93	69	1	311	9		675	31	115	439	300	12	11568
Herring Gull						1		1450	9	30	10	35		2467
Thayer's Gull								1				1		4
Lesser Black-backed Gull											CW			0
Glaucous Gull								1		1		1		3
gull sp.					269									607
Rock Pigeon	16	22	12	67	475	96	75	17	23	170	1030	8	41	6600
Eurasian Collared Dove	4	2		10	CW	1	97	26			3	5	6	656
Ringed Turtle-Dove														1
White-winged Dove														0
Mourning Dove		223	59		330	559	75	13	29		57	38	10	3085
Inca Dove							1							3
Greater Roadrunner														2
Barn Owl		2							1	1				18
W. Screech-Owl														1
E. Screech-Owl	2	1	1			2			2	3	8			82
Great Horned Owl	3	29	1	5	4	2	5		15	2	2	2		227
Barred Owl		8	2		3	7			10		1			129
Long-eared Owl									4		4			73

Species	Seneca	Slate Creek Oxford	SE KS Mine Lands	Syracuse	Topeka	Udall Winfield	Ulysses	Waconda Lake	Wakefield	Webster Reservoir	Wichita Lake	Wilson	Yoder	Totals
Short-eared Owl		7						11						80
Belted Kingfisher		4	6		7				1	2	21	4	2	131
Red-headed Woodpecker			19		2	2		1	2					197
Red-bellied Woodpecker	6	47	97	3	43	45		14	32	13	25	3	18	1525
Yellow-bellied Sapsucker		1	8		5	1								101
Ladder-backed Woodpecker														1
Downy Woodpecker	6	37	51	4	54	14	3	18	24	5	47	5	13	1258
Hairy Woodpecker	5	5	12		8	3	1	6	4	8	4	2	5	268
N. Flicker	3	19	98	10	4	12	13	19	2	11	9	10	15	997
Yellow-shafted		24		4	24	14	4		37	14	36			958
Red-shafted		3		20		2	14				5	2		208
Pileated Woodpecker		1	5											40
Eastern Phoebe			1											2
Loggerhead Shrike	1	3	7			3	2							63
N. Shrike				1		1	1					1		13
Blue Jay		110	161	4	104	36	7	16	70	1	48		26	2543
Black-billed Magpie				15			3	1	1	1		CW		105
Am. Crow	17	310	194	103	178	87	55	18	55	7	10615	20	78	32908
Chihuahuan Raven														3
Horned Lark	27	2443	412	499		4510	292	2100	13	350	260	1902	3730	41023
Carolina Chickadee		100	111			86								474
Black-capped Chickadee	6				103	6		24	8	6	96	1	32	1863
Tufted Titmouse	3	21	55		52	47			3		28			1055
Bushtit														15
Red-breasted Nuthatch					2					1	CW			31
White-breasted Nuthatch	6	9	10	3	31	18		13	7	5	13		6	782
Brown Creeper		6	16		13	12		8	6		8			203
Rock Wren														2
Carolina Wren		12	37		14	13		2	9		32		3	506
Bewick's Wren		1							1			CW		16
House Wren														1
Winter Wren	1		2		1	2		1	2		1	1		46
Marsh Wren				1							1	3		30
Golden-crowned Kinglet	1	1	5	1	7	2		18	6	4	7	1		174
Ruby-crowned Kinglet		7	8		8	5		1	1	7	34		7	184
E. Bluebird	8	32	102	4	95	34			12	12	9	1	20	2811
Mountain Bluebird										4		26		411
Townsend's Solitaire							1		1				1	16
Hermit Thrush		CW	1											8
Am. Robin	19	1	272	20	958	94	30		104	9	162	215	634	16779
Varied Thrush														1
N. Mockingbird		12	34	1	4	11	1		2		7	1		266
Brown Thrasher			1											9
European Starling	127	1451	2967	1242	4694	1741	151	1250	402	124	9779	740	1129	172796
Cedar Waxwing			140	5	4		2		4	1	3		6	1026
Orange-crowned Warbler											2			2
Yellow-rumped Warbler		11	56		3	11		1	25		60	2	6	837
Spotted Towhee		15				3		2	1		22	2		109
E. Towhee		1												5
Am. Tree Sparrow	22	1212	66	87	83	3000	21	850	486	375	210	475	758	22583
Field Sparrow		8	29		3	6			4		6		10	235
Vesper Sparrow														1
Savannah Sparrow		12	8			12			11					51
Fox Sparrow		5	9			5					3	1		94
Song Sparrow	9	179	70	3	7	95	107	42	46	23	82	14	7	1964
Lincoln's Sparrow		1			1	4			2		2			14
Swamp Sparrow	2	25	20			2			2					209
White-throated Sparrow		8	41		54				67		43			377
Harris' Sparrow		1944	228	1	43	5073		475	219	180	475	59	203	14863
White-crowned Sparrow		225	271	183		74	122	45	1	14	24		14	2202
Dark-eyed Junco	82	60	480	106	353	1264	131	280				295		8243
Slate-colored		316		4	120		48		346	280	754	75	180	10384
Oregon		2		5			43		2	1	2	35		361
Pink-sided				8					4					18
McCown's Longspur														17
Lapland Longspur	5	26667	150	43		7303	901	300	800	255	8	47	55	59533
Smith's Longspur														5
Chestnut-collared Longspur														21
N. Cardinal	8	254	303	2	121	147		16	75	26	146	12	45	3845
Red-winged Blackbird	11	5148700	5031	46	61	9997	2333	8500	495	250	723	675	1963	5375160
E. Meadowlark		7			52	3			8			5		838
W. Meadowlark	39	2		160		5	305	20	4	7		30		4471
<i>Sturnella</i> sp.		1061	440			1732		120	51	75	59	190	709	10752
Rusty Blackbird		11	5			58			30				80	664
Brewer's Blackbird		64		18		676	12						12	3164
Common Grackle		11894	262		26	11			27		50	3		21478
Great-tailed Grackle		50			80		1				2000			5037
Brown-headed Cowbird		1028	57		6	221	1	6	54		29		25	2949
blackbird sp.		5000	465			639					2000			11688
Purple Finch														102
House Finch		13	8	23	205	23	12	8	13	48	67	9	7	2430
Red Crossbill														6
Pine Siskin			1	3										50
Am. Goldfinch	5	97	217	50	119	156	18	16	47	44	97	29	52	3774
House Sparrow	2	485	209	389	348	252	313	275	23	85	73	147	141	15349
Total	9030	5207672	14671	21041	30291	44258	5452	93122	5305	12343	53709	12580	31598	6457063
Species	43	88	71	55	70	85	43	73	88	54	89	79	57	