

# *Kansas Ornithological Society*

## BULLETIN

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### **THE WINTER BIRD COUNT FOR 1998**

Max C. Thompson and Eugene A. Young

The 50 Christmas Bird Counts (CBC's) conducted during 1997 is above the average of 47 for the 90's. One count was thrown out for not conforming to guidelines and several were not conducted because of bad weather in western Kansas during the CBC count period. Overall weather conditions varied greatly across the state, although it was generally wet and mild in the east and cold and snowy in the west (Cimarron National Grasslands, Meade, and Old Garfield all had over 6 inches of snow on the ground). Of the 50 CBC's, 16 (32%) reported less than favorable survey conditions.

Counts covered most of the physiographic and geographical regions of the state with the exception of the northwestern corner, which got minimal coverage and the southwestern, central and northeastern regions of the state had the most comprehensive coverage. The Halstead/Newton Count was their 49th annual CBC.

There were 626 participants on CBC's this year. This was the fourth time in five years that the total number of participants exceeded 600. There has been an average of 599 observers per year for the 90's.

Of the 3,380,542 total birds observed this year 60.2% (2,033,586) were Red-winged Blackbirds. The Slate Creek Wetlands/Oxford count had 93.5% of the red-wings with 1,901,305 observed. The next four most abundant species were all waterfowl: Canada Goose (471,185 individuals); Snow Goose (both forms combined 152,427); Mallard (115,774); and Greater White-fronted Goose (97,736). Slate Creek Wetlands/Oxford had the most number of individuals with 2,008,168 and the Canyonlands had the least with 255 individuals.

The 157 species recorded for 1997 is second best, tied with 1993, but well behind the all-time high of 164 set last year. It could have been 158 had we counted the dead Varied Thrush that was found impaled on a fence at the headquarters of El Dorado State Park. For the 90's, Kansas has averaged 156 species/yr. No new species were reported this year. One exotic species, the Ring-turtle Dove was observed at Meade and is included in the totals. It has been reported from CBC's recently, but was not included in the totals for those years. A total of 17 counts (34%) had over 70 species recorded with Manhattan having the most with 96, followed by Udall-Winfield, Lawrence, and Wichita (88), Arkansas City (84), John Redmond, and Junction City (81). Canyonlands had the fewest species with only 22 recorded.

The lack of freezing temperatures in the eastern half of the state provided habitat for large numbers of waterbirds to be recorded including three species of loons and three species of grebes. There was 1 Pacific Loon observed at Wilson, 1 Red-throated Loon at Udall-Winfield, 13 Common Loons recorded from 8 different counts, and 193 Pied-billed Grebes on 18 counts. Linn County had 91 Pied-billed Grebes, Southeast Minelands had 39 and Wichita had 21. The American White Pelican was present on 5 counts with a total of 8 observed (Cheyenne Bottoms 4, Webster, Sawyer, Quivira, and Manhattan each with one). This is the 8th year that a White Pelican has been recorded on the Manhattan CBC (Dave Rintoul pers. comm.). The 353 Great Blue Herons is second to the all-time high of 525 observed in 1995. Black-crowned Night-herons were also reported in high numbers with 15 being observed, 13 from Cheyenne Bottoms and 2 from Junction City. Most water-

fowl species showed increases from last year, especially geese. Green-winged Teal (3,334 in 1997 and 415 in 1996), Northern Pintails (1,326 in 1997 and 257 in 1996), Gadwall (1,510 in 1997 and 1,269 in 1996), Canvasback (597 in 1997 and 139 in 1996), Hooded Merganser (600 in 1997 and 463 in 1996), and the Ruddy Duck (57 in 1997 and 37 in 1996) all showed large increases from the previous year. Wood Duck (61 in 1997 and 91 in 1996), Redheads (286 in 1997 and 472 in 1996), Common Goldeneye (2,100 in 1997 and 3,750 in 1996), Bufflehead (373 in 1997 and 629 in 1996), and Common Merganser (21,412 in 1997 and 46,479 in 1996) all showed decreases from the previous year.

No general patterns were seen with raptors although the Northern Harrier (1,216), Ferruginous Hawk (68), Merlin (38), and Kestrel (844) all showed increases from 1996. Accipiters and Bald Eagles (594) decreased from 1996 perhaps due to the mild weather. All of the gallinaceous birds increased from the previous year. Pheasants increased by 83% (692), Greater Prairie-chickens by 10% (96), Wild Turkey by 36% (1,260), Northern Bobwhite by 6% (1,851) and Scaled Quail by 420% (104). The Lesser Prairie-chicken made a return to CBC's with 4 being observed on the Cimarron National Grassland count. At Quivira there were 25,002 Sandhill Cranes. Ring-billed Gull and Bonaparte's Gull numbers were up from the previous year but the Herring Gull and rare gull numbers were all down from 1996.

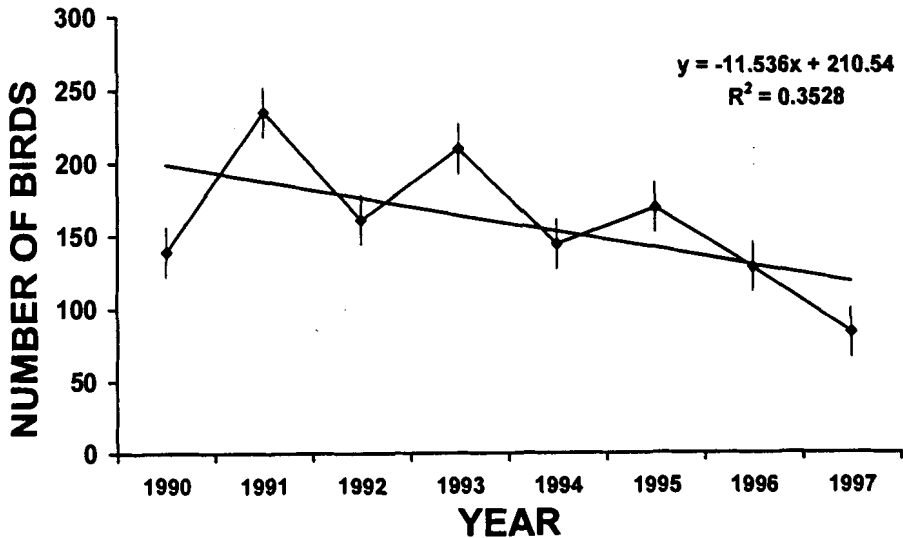
Mourning Dove numbers increased for the sixth year in a row with 2,858 individuals (1,897 average from 1991-1997). Red-headed Woodpeckers were in good numbers with 701 reported (68 in 1996). Other woodpeckers showed decreases in numbers from the previous year except the Ladder-backed Woodpecker (5) and Yellow-shafted Flicker (1,195) which were up from 1996. Several other woodland species (Northern Cardinal, chickadees, Tufted Titmouse) were down while nuthatches showed an increase from the previous year. Overall, wrens, thrashers, thrushes, shrikes and starlings were down as well. A Gray Catbird was recorded at Manhattan, second record for a Manhattan CBC (Rintoul pers. comm.). A Chihuahuan Raven was reported from Salina (no details). One Orange-crowned Warbler was observed at Yoder.

Loggerhead Shrike numbers were down for the third consecutive year with only 83 being recorded. Analysis of data by linear regression, from 1990-1997, indicate that there is a negative trend in the total number of Loggerhead Shrikes observed in KS (Figure 1), the average number of shrikes per count (Figure 2), and the average number of shrikes on counts that recorded shrikes (Figure 2). Although the total number of CBC's has varied from 1990-1997 (range 35-54) the percent of CBC's recording Loggerhead Shrikes has remained constant (Figure 3), with the number of counts ranging from 22-40. The maximum number of shrikes recorded on a single count during this period were 14 at Lawrence (1990), 21 at Linn County (1991), 17 at Udall-Winfield (1992), 22 at Southeast Minelands (1993), 23 at Linn County (1994), 20 at Parsons (1995), 21 at Cimarron (1996), and 11 at Pomona (1997).

No general patterns were observed with sparrow numbers. The most common sparrows were the Tree Sparrow with 31,779 (24,515 avg. from 1991-1997), Harris Sparrow with 15,274 (12,258 average from 1991-1997), Dark-eyed Junco unidentified with 7,554 (7,836 average from 1991-1997), Slate-colored Junco with 12,574 (10,772 average from 1991-1997) and Lapland Longspur with 11,865 (162,366 average from 1991-1997). The high average for Lapland Longspurs is due to the 956,654 recorded in 1992. Removing that from the sample between 1991-1997 gives an average of 29,985 Lapland Longspurs per year. McCown's Longspur (31 total, 30 from Cimarron National Grasslands and 1 from Garden City), Chestnut-collared Longspur (40 total, Cimarron National Grassland) and Smith's Longspur (50 total, John Redmond) were also present. One Golden-crowned Sparrow was reported from Garden City and one from Oskaloosa/Perry.

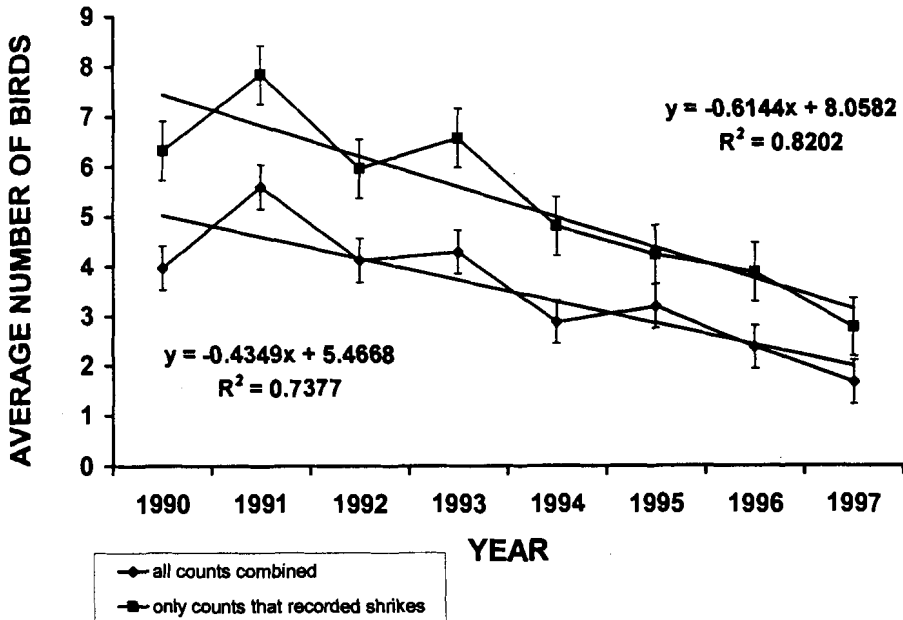
Eastern Meadowlarks decreased from 2,086 (1996) to 1,505 (average for 1991-1997 is 2,294) while Western Meadowlarks (5,583) and meadowlark species (6,112) increased from 1996 (3,786 and 5,632 respectively). Western Meadowlarks have averaged 3,887 from 1991-1997 and meadowlark species averaged 7,419 from 1991-1997. The 53,298 Brown-headed Cowbirds was the highest number recorded between 1991-1997 and well above average of 15,987/yr recorded between 1991

## TOTAL NUMBER OF LOGGERHEAD SHRIKES REPORTED 1990-1997



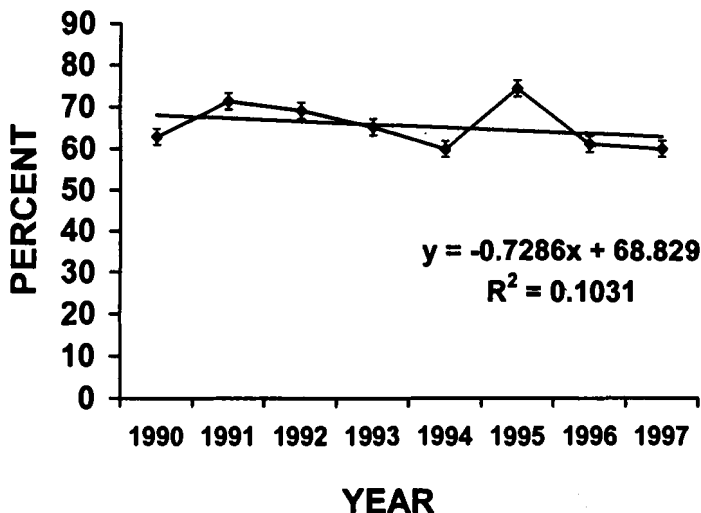
(Figure 1) The total number of Loggerhead Shrikes recorded on Christmas Bird Counts from 1990-1997 in Kansas.

## LOGGERHEAD SHRIKES ON CBC'S 1990-1997



(Figure 2) The average number of Loggerhead Shrikes recorded on Christmas Bird Count from 1990-1997 for all counts combined in each year and for those counts that recorded shrikes in each year.

## % CBC'S REPORTING LOGGERHEAD SHRIKES 1990-1997



(Figure 3) The percent of Christmas Bird Counts that recorded Loggerhead Shrikes from 1990-1997.

1997. Grackle numbers decreased from last year with only 6,566 Common Grackles and 1,551 Great-tailed Grackles observed. House Finches (3,669) decreased as did Pine Siskins (374) and American Goldfinches (6,302). Each was also down from their respective averages from 1991-1997: 4,651; 1,346; and 6,785.

Introduced species were all down from last year and well below their averages from 1991-1997: Rock Dove, 6,143 (7,190 average); European Starling, 60,097 (157,027 average); and House Sparrow, 20,027 (22,896 average).

All records in this CBC are subject to review by the Kansas Birds Record Committee.

*Department of Biology, Southwestern College, Winfield, KS 67156.*

**Alma-Lake Wabaunsee.** 38° 56'N 96° 17'W. Center as described in 1995. 26 December 1997, 7:15 a.m. to 5:25 p.m., 22° to 36° F. Wind NW 0-15 mph. Snow 1-2". Still water partly open, moving water open, a.m. partly cloudy, p.m. clear. One observer in one party. Total party-hours 10 (4.25 on foot, 5.75 by car). Total party-miles 121 (6 on foot, 115 by car). Total 47 species, 2,290 individuals. Species seen **count week** but **not count day**: Northern Pintail, Northern Shoveler, Ring-necked Duck, Northern Harrier, Cooper's Hawk, Rough-legged Hawk, Golden Eagle, American Kestrel, Prairie Falcon, Herring Gull, Rock Dove, Brown Creeper, Winter Wren, Northern Shrike, Spotted Towhee, Lapland Longspur, Eastern Meadowlark.

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. 27 December 1997, 8:00 a.m. to 5:30 p.m., 24° to 42°F. Wind variable 0-10 mph. Still water partly open, moving water open, a.m. partly cloudy, p.m. partly cloudy. Eleven observers in 5 parties. Total party-hours 39 ( 14 on foot, 25 by car) plus 2.5 hours owling. Total party-miles 356.5 (14.5 on foot, 342 by car) plus 31 miles owling. Total 84 species, 13,073 individuals. Species seen **count week** but **not count day**: Pied-billed Grebe, Lesser Scaup.

Jack Dennett, Norma Dennett, Beverly DuGay, Rick Goodrick, Tyler Hicks, Mike Lesan, Patty Marlett, Shawn Silliman, Eddy and Savilla Stegall, Eugene Young (compiler—1707 N. 7th St., Arkansas City, KS 67005).

**Baldwin.** 38° 47'N 95° 16'W. Center as described in 1986. 27 December 1997, 6:00 a.m. to 5:30 p.m., 19° to 44°F. Wind SW 10-15 mph. Snow 2." Still water partly frozen, moving water open, a.m. clear, p.m. clear. Twenty-one observers in 8 parties plus 3 at feeder. Total party-hours 59 (7.5 on foot, 51.5 by car), 9 at feeders, plus 3 owling. Total party miles 451 (11 on foot, 440 by car), plus 23 miles owling. Total 74 species, 20,394 individuals.

Gennie Agin, Jane Bank, Richard Bean, Jan Boyd, Roger Boyd (compiler—P.O. Box 65, Baker University, Baldwin City, KS 66006), Johnnie Brockway, Margaret Brown, Don Chambers, Tom Church, Cal Cink, Janet Hill, Tony Ikenberry, Katharine Kelley, Barbara Pressgrove, Martin Pressgrove, Margaret, Phil and Roy Wedge, Larry Williams, Joyce Wolf, Ronald Wolf.

**Baxter Springs.** 37° 04'N 94° 42'W. Center as described 1992. 24 December 1997, 7:30 a.m. to 5:00 p.m., 34° to 41° F. Wind NW 5-15 mph. Still water open, moving water open, a.m. cloudy, light rain, p.m. cloudy. Two observers in 1 party. Total party-hours 9.5 (6.5 on foot, 3 by car). Total party-miles 50 (2 on foot, 48 by car). Total 67 species, 5,337 individuals.

James D. Rising (compiler—Dept. Zoology, University of Toronto, Toronto, Ontario, Canada M5S 3G5), John Rising.

**Black Wolf/NW Ellsworth County.** 38° 45'N 98° 22'W. Center as described in 1993. 3 January 1998, 7:00 a.m. to 5:30 p.m., 33° to 24°F. Wind N 15-25 mph. Still water partly frozen, moving water open, a.m. cloudy, light rain, p.m. cloudy, light rain, freezing rain. Six observers in 2 parties, 1 at feeders. Total party-hours 12.75 (2 on foot, 10.75 by car), plus .5 at feeders, .5 hour owling. Total party-miles 169 (1 on foot, 168 by car). Total 48 species, 3,389 individuals. Additional species seen in count circle **count week** but **not** on count day: Great Blue Heron. Observers: Dave Klema, Dan LaShelle, Ben Nondorf, Carolyn Nondorf, Beth Ptacek, Ellen Rader, Mike Rader (compiler—P.O. Box 395, Wilson, KS 67490).

**Bonner Springs/Lansing.** 39° 11' N 94° 54' W. Center as describe in 1995. 10 January 1998. 5:40 a.m. to 5:00 p.m., 12° to 28° F. Wind NE 0 -5 mph. Still water partly open, moving water partly open, a.m. partly cloudy, p.m. partly cloudy. Six observers in 3 parties, plus one at feeder. Total party-hours 29.5 (4.5 on foot, 25 by car), plus 1 hour at feeder, 1 hour owling. Total party-miles 236.75 (4.75 on foot, 232 by car), plus 6 miles owling. Total 72 species, 9,807 individuals.

Mark Corder, Michael Gaume, Chris Hobbs, Thomas Philippe, Galen Pittman (compiler—12042 258th St., Lawrence, KS 66044), John Schukman, Phil Wedge.

**Camp Naish.** 39° 04' N 94° 54'W. Center as described 1982. 22 December 1997. 6:15 a.m. to 5:00 p.m., 33° to 36°F. Wind NW 5 mph. Still water open, moving water open, a.m. cloudy, p.m. cloudy. Four observers in 2 parties. Total party-hours 18 (16 on foot, 2 by car) and 1 hour owling. Total party-miles 16 (12 on foot, 4 by car) and 3 miles owling. Total 40 species, 980 individuals.

Alisha Forman, Alexis Powell, David Reber, Stan Roth (compiler—Lawrence Free State High School, 4700 Overland Drive, Lawrence, KS 66049-4130).

**Canyonlands:** S. E. Logan County (new count). 38° 48' N 100° 55'W. Center at 6 miles west and 7.25 miles north of the southeast corner of Logan County. 30 December 1997. 7:45 a.m. to 4:00 p.m., 32° to 41°F. Wind NNW 10-35 mph. Snow 4". Still water partly open, moving water open, a.m. partly clear, p.m. clear. Four observers in 1 party. Total party hours 8.25 (8.2 on foot, .05 by car). Total party miles 10.5 (8.5 on foot, 2 by car). Total 22 species, 255 individuals.

Debra Bolten (compiler—801 N. 4th St., Garden City, KS 67846), Barbara Campbell, Greg Farley, Tom Shane.

**Cheyenne Bottoms Wildlife Area.** 38° 26'N 98° 35'W to 38° 31'N 98° 44'W. Center not circular. 19 December 1997. 8:15 a.m. to 12:30 p.m., 30° to 40°F. Wind N 10-20 mph. Still water partly frozen, a.m. partly cloudy. Six observers in 3 parties. Total party-hours 9.5 (3.25 on foot, 6.25 by car). Total party-miles 87.5 (3.5 by foot, 84 by car). Total 43 species, 24,771 individuals. Additional species seen in count circle **count week** but **not** on count day: Snow Goose, Wood Duck, Green-

winged Teal, Gadwall, American Wigeon, Canvasback, Redhead, Common Merganser, Ruddy Duck, Black-billed Magpie, Merlin, Loggerhead Shrike.

Mike Ernst, Carol Grover, Karl Grover, Helen Hands (compiler—Cheyenne Bottoms Wildlife Area, Rte 3, Box 301, Great Bend, KS 67530), Larry Hesed, Laurie Hesed, Jerry Ney, Mike Von Stratton.

**Cimarron National Grassland.** 37° 07'N 101° 52'W. Center as described in 1972. 27 December 1997, 7:30 a.m. to 5:30 p.m., 12° to 38°F. Wind S 5 mph. Snow 10". Still water frozen, moving water partly open, a.m. partly cloudy, p.m. clear. Fourteen observers in 4 parties plus 2 at feeders. Total party-hours 38 (6 on foot, 32 by car) plus 3 hours at feeders. Total party-miles 406 (6 on foot, 400 by car). Total 59 species, 16,989 individuals. Additional species seen in count circle **count week but not on count day**: Ring-billed Gull, Long-eared Owl, Short-eared Owl, White-throated Sparrow.

W. Champeny, A. and M. Cooksey, G. and P. Cooper, N. and T. Giddens, D. Kilby, S. Patti (compiler—552 W. Belden Ave., Chicago, IL 60614), Galen Pittman, M. Rader, Lawrence, Leanna & Ruth Smith, M. Thompson, J. Tucker..

**Dodge City.** 37° 46' N 100° 00' W. Center as described 1983. 20 December 1997, 7:45 a.m. to 4:15 p.m., 28° to 32°F. Wind N 10 mph. Still water open, moving water open, a.m. cloudy, p.m. cloudy. Twelve observers in 4 parties, plus 8 at feeders. Total party hours 22 (1 on foot, 21 by car), 23 hours at feeders. Total party-miles 282 (.75 on foot, 281 by car). Total 40 species, 4,861 individuals. Additional species seen in count circle **count week but not on count day**: Mourning Dove

Fred Brooks, Gwen Brooks, Lois Bryson, Bob Crabill, Treva Crabill, Joyce Davis, Thu Doan, Dick Dryden, Pat Dryden, Jack Fraley, Joleen Fromm (compiler—2402 5th Ave., Dodge City, KS 67801), Lorene Kulbiski, Margaret McGugin, Ole Olson, Mildred Olson, Ruth Roberts, Kay Rose, Jackie Trindle, Shirley Vieux, Judy Young.

**El Dorado Lake.** 37° 51'N 96° 48'W. Center as described 1992. 23 December 1997, 8:00 a.m. to 4:00 p.m., 35° to 31° F. Wind calm. Still water open, moving water open, a.m. cloudy, p.m. cloudy. Twelve observers in 3 parties. Total party-hours 21.5 (5.5 on foot, 16 by car), plus 2.5 hours owling. Total party-miles 174 (11 on foot, 163 by car), plus 12 miles owling. Total 55 species, 4,816 individuals.

Gary Cress, Bill Dawson, Rick Goodrick, Charles Green, Eric Green, Harry Gregory, Mike Heffron, Bill Langley (compiler—2425 Gentry Lane, El Dorado, KS 67042), Ron Marteney, Brad Odle, Lisa Schwartz, Art Weigand.

**Emporia.** 38° 27' N 96° 05' W. Center as described 1985. 21 December 1997, 7:00 a.m. to 5:00 p.m., 30° to 34°F. Wind NNE 5-15 mph. Still water open, moving water open, a.m. cloudy, foggy, light rain, p.m. cloudy, foggy, light - heavy rain. Ten observers in 4 parties plus 1 at feeder. Total party-hours 32 (8 on foot, 24 by car), 8 hours at feeder. Total party-miles 219.7 (4.7 by foot, 215 by car). Total 61 species, 42,396 individuals. Additional species seen in count circle **count week but not on count day**: Black Duck, Ross' Goose, Bald Eagle, Sharp-shinned Hawk, Cooper's Hawk, Rough-legged Hawk, Eastern Screech-Owl, Belted Kingfisher, Brown Thrasher, Song Sparrow, Lincoln's Sparrow, Lapland Longspur, Brewer's Blackbird.

Patty Delmott, Laura Dodge, Kitty Douthit, Roger Ferguson, Sherry Ferguson, Michael Heffron, Jerry Horak, Barbara McGregor, Jean Schulenberg (compiler—Rte 2, Box 36, Admire, KS 66830), Marvin Schwillig, Kathleen Tabor.

**Garden City.** 37° 55'N 100° 47'W. Center as described in 1984. 3 January 1998, 7:00 a.m. to 6:15 p.m., 32° to 25°F. Wind NNE 10-25 mph. Still water partly frozen, moving water open, a.m. cloudy, foggy, p.m. cloudy, light rain. Fourteen observers in 9 parties, plus 11 at feeders. Total party-hours 31 (3 on foot, 28 by car), plus 18 hours at feeders, .5 hours owling. Total party-miles 225.5 (6 on foot, 219.5 by car), plus 0 miles owling. Total 61 species, 13,687 individuals. Additional species seen in count circle **count week but not on count day**: Yellow-bellied Sapsucker, Brown Creeper, Spotted Towhee, additional Golden-crowned Sparrow.

Caverly Baffa, Dan Baffa, Barbara Campbell, Cathy Fenton, Camille Green, Connery Green, Donnie Kazameir, Kathy Kazameir, Virginia Long, Marie Osterbuhr (compiler—1103 Gillespie Pl., Garden City, KS 67846-5946), Betty Rich, Leonard Rich, Emaline Scott, Jesse Scott, Sara Shane, Tom Shane, Eugene Skinner,

Karen Tanner.

**Halstead-Newton.** 38° 04'N 97° 28'W. Center as described 1972. 20 December 1997, 7:15 a.m. to 5:00 p.m., 34° to 45°F. Wind N 2-12 mph. Still water open, moving water open, a.m. cloudy, p.m. cloudy. Twenty-five observers in 6-8 parties. Total party-hours 61.5 (39.25 on foot, 22.25 by car). Total party-miles 295 (35 by foot, 260 by car). Total 71 species, 18,495 individuals.

John Baker, Andy Brown, Marion Deckert, Bob Dester, Gregg Friesen, Rebecca Friesen, Rose Fritz, Jakes Goering, Erwen Graber, Ruth Graber, Lorna Harder, Tyler Hicks, Harvey Hiebert, Paul Jantzen, Wes Pauls, Dwight Platt (compiler—702 NE 24th St., Newton, KS 67114), Dave Ranney, Bob Regier, Carolyn Schwab, Joe Soukup, Doug Storer, Jim Storer, Vel Teichroew, John Torline, Nada Voth.

**Hays.** 38° 49'N 99° 27'W. Center as described 1985. 20 December 1997, 5:00 a.m. to 5:00 p.m., 28° to 33°F. Wind W 0-15 mph. Still water partly frozen, moving water open, a.m. cloudy, p.m. cloudy. Twenty-three observers in 1-10 parties, plus 2 at feeders. Total party-hours 40.25 (19.25 on foot, 21 by car), plus 8 hours at feeders, plus 1.5 hours owling. Total party-miles 312.5 (17.75 on foot, 294.5 by car), plus 18 miles owling. Total 55 species, 9,855 individuals.

No observers listed. Greg Farley (compiler—Department of Biological Sciences, Fort Hays State Univ., Hays, KS 67601)

**Hillsdale Lake.** 38° 40'N 94° 55'W. Center as described 1991. 3 January 1998, 7:00 a.m. to 12:00 p.m., 50° to 53°F. Wind S 3-5 mph. Still water open, moving water open, a.m. partly cloudy. Nine observers in 3 parties. Total party-hours 12. Total party-miles 38. Total 48 species, 599 individuals.

Compiler not listed. Observers not listed.

**John Redmond Reservoir.** 38° 16'N 95° 49'W. Center as described in 1993. 20 December 1997, 7:15 a.m. to 4:00 p.m., 32° to 35°F. Wind NNW 10-15 mph. Still water open, moving water open, a.m. cloudy, p.m. partly cloudy. Fifteen observers in 5 parties, plus 2 at feeder. Total party-hours 31 (10.5 on foot, 20.5 by car), plus 2.5 hours at feeders. Total party-miles 190.75 (11 on foot, 179.75 by car). Total 81 species, 28,426 individuals.

Roger Applegate, Jerry Callan, Bob Culbertson (compiler—207 Cheyenne, New Strawn, KS 66839), Carol Culbertson, Mark Feltner, Helene Hall, Jerry Horak, Edith Houser, Max Houser, Jim McMurray, Jim Minnerath, Gary Simmons, Art Swalwell, Jan Wideman, Dan Williamson.

**Junction City.** 39° 00'N 96° 53'W. Center as described 1992. 28 December 1997, 6:00 a.m. to 4:30 p.m., 31° to 36°F. Wind NW 10-23 mph. Still water partly frozen, moving water open, a.m. cloudy, p.m. cloudy, light rain and snow. Twenty-two observers in 9 parties. Total party-hours 50.25 (14.75 on foot, 35.5 by car), plus 1 hour owling. Total party-miles 398 (17 on foot, 381 by car), plus 22 miles owling. Total 81 species, 14,291 individuals. Additional species seen in count circle **count week** but **not** on count day: Pied-billed Grebe, American Wigeon, California Gull, Thayer's Gull, Marsh Wren, Brewer's Blackbird, Great-tailed Grackle.

Angela Allison, David Allison, Anita Anantharua, Fatich Beddani, Joanne Brier, Stacey Cooke, Carol Hoogheem, Irwin Hoogheem, Johnnie Johnson, Duane Kerr, Chuck Otte (compiler—613 Tamerisk, Junction City, KS 66441), Gerald Reeck, Laura Reeck, Matthew Reeck, Jean Rucker, Chris Smith, Guy Smith, Bob Waters, Jim Waters, Scott Waters, Steven Waters, Tracy Wohl.

**Kirwin National Wildlife Refuge.** 39° 42'N 99° 08'W. Center as described in 1994. 1 January 1998, 7:30 a.m. to 5:00 p.m., 28° to 51°F. Wind N 0-8 mph. Still water partly frozen, moving water open, a.m. clear, p.m. clear. Eighteen observers in 8 parties, plus 1 at feeder. Total party-hours 57.5 (13 on foot, 44.5 by car), plus .5 hours owling, plus 2 hours at feeders. Total party-miles 349 (19 on foot, 330 by car), plus 10 miles owling. Total 73 species, 38,392 individuals.

Sherri Baker, Terri Baker, Steve Constable, Bobbie Doctor, Phil Doctor, Joan Hazlett, Marty Hines, Jonathan Iman, Dolores Knowles, Dan LaShelle, Mike Rader, Debbie Robinson, Bill Schaff (compiler—Kirwin National Wildlife Refuge, R. R. #1, Box 103, Kirwin, KS 67644), Chris Schaff, Shawna Schaff, Floyd Truetken, Dave Wangerin, Nancy Wangerin, Joe Wyrill.

**Lakin.** 37° 59'N 101° 15'W. Center as described 1994. 20 December 1997, 8:10

a.m. to 5:15 p.m., 25° to 28°F. Wind NNE 5 to 10 mph. Still water open, moving water open, a.m. cloudy, foggy, p.m. cloudy, foggy. Fourteen observers in 6 parties, plus 4 at feeders. Total party-hours 25.75 (4.75 on foot, 21 by car), 6 hours at feeders. Total party-miles 194.5 (4.5 on foot, 190 by car). Total 52 species, 14,740 individuals.

Pat Bird, Barbara Campbell, Bob Campbell, Bill Dougherty, Pat Dougherty, Debbie Frederick, Camille Green, Connery Green, Art Nonhof, Marie Osterbuhr, Betty Rich, Leonard Rich (compiler—1107 E. Johnson, Garden City, KS 67846-4649), Betty Schreiber, Frita Schreiber, Eugene Skinner.

**Lawrence.** 39° 00'N 95° 18'W. Center as described in 1981. 20 December 1997, 7:30 a.m. to 5:30 p.m., 31° to 40°F. Wind N 5-10 mph. Still water partly frozen, moving water partly frozen, a.m. cloudy, p.m. partly cloudy. Forty-one observers in 13 parties. Total party-hours 110.75 (37.25 on foot, 73.5 by car), plus 8.75 hours owling. Total party-miles 611.25 (37.25 on foot, 574 by car), plus 36.5 miles owling. Total 88 species, 39,154 individuals.

Gennie Agin, Kelly Barth, Bill Berkowitz, David Berkowitz, Jack Berkowitz, Katherine Berkowitz, Roger Boyd, Dave Bryan, Mary Butterbrodt, Pam Chaffee, Calvin Cink, Janice Conrad, Mark Corder, Patty Field, Lin Frederickson, Lisa Grossman, Dee Hansen, Erik Hansen, Charlene Hasvold, David Herrin, Tom Kreissler, Mick McHugh, Megan Miller, Caleb Morse, Claudia Narvaez, Galen Pittman (compiler—12042 258th St., Lawrence, KS 66044), Alexis Powell, Stan Roth, Bob Rucker, Richard Rucker, David Seibel, Dawn Sharp, Cynthia Shaw, Ed Shaw, Liz Smith, Gerold Sneegas, Trudy Walker, Margaret Wedge, Pam Wilson, Joyce Wolf, Ron Wolf.

**Leavenworth-Atchinson.** 39° 23'N 95° 00'W. Center as described 1992. 3 January 1998, 7:15 a.m. to 5:15 p.m., 32° to 57°F. Wind N 15 mph. Still water open, moving water open, a.m. cloudy, p.m. cloudy. Five observers in 2 parties. Party-hours 18 (4 on foot, 14 by car). Party-miles 148 (4 on foot, 144 by car). Total 65 species, 20,328 individuals.

Dave Bryan, Galen Pittman, Richard Rucker, John Schukman (compiler—14207 Robin Rd., Leavenworth, KS 66048), Roseanne Smith.

**Linn County.** 38° 17'N 94° 45'W. Center as described 1982. 26 December 1997, 6:20 a.m. to 5:30 p.m., 24° to 37°F. Wind NW 10-15 mph. Still water partly open, moving water open, a.m. clear, p.m. clear. Nine observers in 4 parties. Total party-hours 30.5 (4 on foot, 26.5 by car) plus 1 hour owling. Total party-miles 326 (4 on foot, 322 by car) plus 15 miles owling. Total 80 species, 25,463 individuals.

Jan Boyd, Roger Boyd (compiler— P. O. Box 65, Dept. of Biology, Baker University, Baldwin City, KS 66006), Cal Cink, Jo Cink, Matt Gearheart, Mark Land, Barbara Pressgrove, Martin Pressgrove, Bunnie Watkins.

**Manhattan.** 39° 11'N 96° 34'W. Center as described in 1964. 20 December 1997, 5:00 a.m. to 5:30 p.m., 31° to 40°F. Wind NW 5-10 mph. Snow 1-2". Still water partly frozen, moving water open, a.m. cloudy, p.m. partly cloudy. Eighty-eight observers in 23 parties, plus 3 at feeders. Total party-hours 187.5 (125.5 on foot, 62 by car), plus 16 hours at feeders, plus 4 hours owling. Total party-miles 630 (112 on foot, 518 by car), plus 36 miles owling. Total 96 species, 71,784 individuals.

Ed Bagley, Carla Bishop, Doris Burnett, Chuck Bussing, Ted Cable, John Cavitt, Michael Donnelly, Linda Drees, Irmie Fallon, Kern Fay, Clyde Ferguson, Lena Ferguson, Angel Folland, Nate Folland, Fred Freeman, Pat Freeman, Jacob Goheen, Buddy Gray, Leann Harrell, Chod Hedinger, Richard Helmsed, Melissa Hill, Greg Hoch, Jock Holl, Carol Hoogheem, Hoogy Hoogheem, Tom Hulbert, Cindy Jeffrey, Gary Jeffrey, Jay Jeffries, Loretta Johnson, Lowell Johnson, Duane Kerr, Gary Kerr, Leif Kerr, Bob Kingswood, Steve Kingswood, Ron Klataske, Jim Koelliker, Amanda Kuhl, Arlene Kumamoto, Roma Lienehan, Lane Marshall, Ray Matlack, Brock McMillan, James McReynolds, Barry Michie, Bob Mohr, Beth Montelone, Marge Muenzenberger, Ben Mulhern, Bridgette Mulhern, Dan Mulhern, Annie Patello, Jim Phelan, Gary Radke, Jerry Reeck, Stephanie Reeck, Erma Riley, Dave Rintoul (compiler—Division of Biology, Kansas State University, Manhattan, KS 66506-4901), Jim



Rivers, Brett Rubenstein, Jethro Runco, Phoebe Samelson, Sara Shane, Tom Shane, Shannon Shields, Tom Shields, Andy Smith, Chris Smith, Guy Smith, Gerry Snyder, Madonna Stallman, Dean Stramel, Luke Stramel, Gordon Thornton, Dana Townsend, Daniel Townsend, Harvard Townsend, Jim Warner, Tyler Warner, Paul Weidhass, Gerald Weins, Ellen Welti, Ruth Welti, Van Withee, Val Wright, Patricia Yeager, Tammy Yeager, Jan Zimmerman, John Zimmerman..

**Meade County.** 37° 15'N 100° 20'W. Center as described in 1985. 3 January 1998, 7:00 a.m. to 5:30 p.m., 45° to 20°F. Wind N 40 mph. Snow 18". Still water partly frozen, moving water open, a.m. cloudy, p.m. cloudy, foggy, light rain. Four observers in 2 parties, plus 2 at feeders. Total party-hours 12 (5 on foot, 7 by car), plus 9.5 hours at feeders, plus 3 hours owling. Total party-miles 188 (7 on foot, 181 by car), plus 46 miles owling. Total 51 species, 9,944 individuals. Additional species seen in count circle **count week** but **not** on count day: Snow Goose, Golden Eagle, Great-horned Owl, Hairy Woodpecker, White-breasted Nuthatch, American Goldfinch.

Audrey Flowers, Kristen Flowers, Robin Flowers, Thomas Flowers (compiler—P. O. Box 87, Meade, KS 67864), Steven Flowers, Mark Goldsberry, Dinah Mellard, Ron Mellard.

**Olathe.** 38° 55'N 94° 51'W. Center as described in 1986 (coordinates corrected in 1987). 20 December 1997, 7:00 a.m. to 2:00 p.m., 28° to 43°F. Wind W 15 mph. Still water open, moving water open, a.m. cloudy, p.m. partly cloudy. Nine observers in 4 parties, plus 2 at feeders. Total party-hours 28 (4.5 on foot, 23.5 by car), plus 2 hours at feeders, 1.5 hours owling. Total party-miles 209.5 (8.5 on foot, 201 by car), plus 2 miles owling. Total 53 species, 6,718 individuals.

Steve Crawford, Duane Ferrell, Dave Fischer, Mike Gaume, Kay McDougal, Sherry McDougal, Don Weiss (compiler—12100 Cherry Lane, Olathe, KS 66061), Lori Weiss, Brad Williamson.

**Old Garfield County.** 38° 07'N 100° 27'W. Center as described in 1993. 23 December 1997, 7:30 a.m. to 3:30 p.m., 27° to 30°F. Wind N calm to 10 mph. Snow 6". Still water partly frozen, moving water partly frozen, a.m. cloudy, foggy, heavy snow, p.m. cloudy, foggy, heavy snow. Nine observers in 3 parties. Total party-hours 11.75 (1 hour on foot, 10.75 by car). Total-miles 95.25 (1.25 on foot, 94 by car). Total 43 species, 11,053 individuals.

Debra Bolton, Barbara Campbell (compiler—709 W. Maple, Garden City, Ks 67846), Bob Campbell, Camille Green, Connery Green, Art Nonhof, Marie Osterbuhr, Leonard Rich, Tom Shane.

**Olsburg.** 39° 25'N 96° 39'W. Center as described in 1992. 22 December 1997, 7:30 a.m. to 5:00 p.m., 31° to 37°F. Wind N-NW 0-5 mph. Snow 1.5 inches. Still water open, moving water open, a.m. partly cloudy, foggy, p.m. partly cloudy. Eight feeders observers in 4 parties, plus 5 at feeders. Total party-hours 31.25 (13.25 on foot, 18 by car), plus 2.5 hours owling, 13 hours at feeders. Total party-miles 203 (16 on foot, 187 by car), plus 8 miles owling. Total 65 species, 11,619 individuals. Additional species seen in count circle **count week** but **not** on count day: Rough-legged Hawk, Greater Prairie-chicken, Yellow-bellied Sapsucker, Horned Lark, Brown Creeper, Bewick's Wren.

Brent Brock, Jean Geddis, Irwin Hoogleem, Ruth Hooper, Cindy Jeffrey, Gary Jeffrey (compiler—15850 Galilee Rd., Olsburg, KS 66520), Jay Jeffrey, Irv Pressler, Mary Rosell, Chris Smith, Dennis Stadel, John Westley, Margaret Wooten.

**Oskaloosa/Perry Lake.** 39° 12'N 95° 24'W. Center as described in 1980. 21 December 1997, 6:20 a.m. to 4:20 p.m., 29° to 33°F. Wind NE 0-22 mph. One-half inch ice on ground. Still water open, moving water open, a.m. cloudy, freezing rain, p.m. cloudy, foggy light rain. Fifteen observers in 8 parties. Total party-hours 33.5 (11.5 on foot, 22 by car), plus 1.5 hours owling. Total party-miles 217.5 (10.5 on foot, 207 by car), plus 9 miles owling. Total 65 species, 9,686 individuals. Additional species seen in count circle **count week** but **not** on count day: Double-crested Cormorant, Lesser Scaup, Golden-crowned Kinglet, Winter Wren.

Richard Bean, Joanne Brier, Nate Folland, Jim Galvin, Charles Hall, Glen Koontz, Angel Kwolek-Folland, Galen Pittman, Marie Plinsky, Bob Rucker, Richard Rucker (compiler—121 East 17th St., Lawrence, KS 66044-4233), Roseanne Smith,

Terry Sullivan, Bunnie Watkins, Tracy Wohl.

**Parsons.** 37° 25'N 95° 17'W. Center as described 1996. 20 December 1997, 8:00 a.m. to 5:00 p.m., 28° to 40° F. Wind NNE 0-10 mph. Still water open, moving water open, a.m. partly cloudy, p.m. partly cloudy. Eight observers in 4 parties. Total party-hours 30 (3 on foot, 27 by car). Total party-miles 189 (3 on foot, 189 by car). Total 66 species, 10,187 individuals.

Mavis Brenner, Pam Cress, Steve Ford, Elizabeth Mangile, Robert Mangile, Paul Milks (compiler—2624 Gabriel, Parsons, KS 67357), Chuck Spellman, Richard Tucker.

**Pomona Lake.** 38° 40'N 95° 41'W. Center as described in 1993. 3 January 1998, 7:00 a.m. to 4:30 p.m., 62° to 32°F. Wind N 15 mph. Still water open, moving water open, a.m. cloudy, p.m. cloudy. Ten observers in 6 parties. Total party-hours 28 (11.5 on foot, 16.5 by car). Total party-miles 173.25 (8 on foot, 165.25 by car). Total 67 species, 6,763 individuals.

Jeffrey Bender (compiler—Pomona State Park, 22900 S. Hwy. 368, Vassar, KS 66543), Joanne Brier, Bob Culbertson, Carol Culbertson, Lloyd Fox, Melissa Fox, Jerry Horak, Dick Roller, Bill Trelc Jr, Tracy Wohl.

**Quivira National Wildlife Refuge.** 38° 09'N 98° 29'W. Center as described in 1972. 19 December 1997, 7:00 a.m. to 5:30 p.m., 35° to 45°F, wind N 15-20 mph. Still water open, moving water open, a.m. clear, p.m. partly cloudy. Ten observers in 3 parties. Total party-hours 23.5 (6 on foot, 17.5 by car). Total party-miles 234 (4 on foot, 232 by car). Total 79 species, 634,346 individuals.

Wallace Champeny, Rick Goodrich, Dan Kilby, Michael Lesan, Gary Meggers (compiler—Quivira NWR, R R 3, Box 48A, Stafford, KS 67578), Shawn Papon, Mike Rader, Carolyn Schwab, Donald Vannoy, Marcelie Webb.

**Red Hills.** 37° 13'N 98° 42'W. Center as described in 1994. 3 January 1998, 8:00 a.m. to 4:30 p.m., 48° to 30°F. Wind N 5-15 mph. Still water open, moving water open, a.m. clear, p.m. cloudy. Thirteen observers in 4 parties. Total party-hours 23 (4 on foot, 17 by car). Total party-miles 178 (7 on foot, 171 by car). Total 77 species, 14,287 individuals.

Wally Champeny, Joyce Davis, Gregg Friesen, Tyler Hicks, Pete Janzen (compiler—3137 Mascot, Wichita, KS 67204-4407), Mike Lesan, Jim Nickel, Shawn Papon, Dave Ranney, Carolyn Schwab, Joe Soukup, Don Vannoy, Mark Wiens, Gloria Wolfe.

**Salina.** 38° 50'N 97° 38'W. Center as described in 1983. 20 December 1997, 7:15 a.m. to 5:00 p.m., 34° to 47°F. Wind NE 10 mph. Still water partly frozen, moving water open, a.m. cloudy, p.m. cloudy. Fifteen observers in 4 parties, plus 4 at feeders. Total party-hours 33.5 (14.75 on foot, 18.75 by car), plus 6 hours at feeders, .5 hour owling. Total party-miles 242.5 (10 on foot, 232.5 by car), plus 15 miles owling. Total 59 species, 6,500 individuals.

Jeremy Bastin, Steve Burr, Mandi Chace, Arlene Clayton, David Haight, Kevin Haight, Mindy Killion, Harold Lear (compiler—612 Max Ave. Salina, KS 67401), Charles Marsh, Ivy Marsh, Steve Miller, Douglas Rudick, Monica Schneider, John Shoultys, Kate Worster.

**Sawyer.** 37° 32'N 98° 41'W. Center as described in 1979. 20 December 1997, 8:30 a.m. to 4:45 p.m., 32° to 45°F. Wind NNE 5-15 mph. Still water partly frozen, moving water open, a.m. cloudy, p.m. cloudy. Ten observers in 9 parties. Total party-hours 16.25 (9 on foot, 7.25 by car). Total party-miles 127 (7 on foot, 120 by car). Total 58 species, 8,711 individuals. Additional species seen in count circle **count week but not on count day:** Greater Roadrunner

Kevin Becker, Ken Brunson, Bob Hartmann (compiler—1007 W. 8th St., Pratt, KS 67124), Holly Hartmann, Joyce Hartmann, Bill Hlavachick, Jane Queal, Ken Stiebben, Erick Wickman, Bob Wood.

**Scott Lake.** 38° 35'N 100° 56'W. Center as described in 1987. 1 January 1998, 7:30 a.m. to 4:15 p.m., 20° to 62°F. Wind NNW 0-5 mph. Snow 0-3". Still water partly open, moving water open, a.m. clear, p.m. partly cloudy. Six observers in 3-2 parties. Total party-hours 18.75 (5 on foot, 13.75 by car). Total party-miles 170 (2 on foot, 168 by car). Total 57 species, 6,014 individuals.

Marie Osterbuhr, Betty Rich, Leonard Rich, Sara Shane, Tom Shane (compiler—

1706 Belmont, Garden City, KS 67846), Gene Skinner.

**Seneca.** 39° 47'N 96° 05'W. Center as described in 1996. 27 December 1997, 7:15 a.m. to 4:55 p.m., 12° to 36°F, wind SW-S 0-15 mph. Snow 3 inches. Still water frozen, moving water partly open, a.m. clear, p.m. partly cloudy. One observer in 1 party. Total party-hours 9.75 (5 on foot, 4.75 by car). Total party-miles 107 (7 on foot, 100 by car). Total 42 species, 975 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. 21 December 1997, 8:00 a.m. to 5:30 p.m., 36° to 41° F. Wind N 0-10 mph. Still water open, moving water open, a.m. partly cloudy, p.m. cloudy, foggy, light rain. Five observers in 3 parties. Total party-hours 24.5 (5 on foot, 19.5 by car), plus 2.5 hours owling. Total party-miles 231 (4 on foot, 227 by car), plus 42 miles owling. Total 76 species, 2,008,168 individuals. Additional species seen in count circle **count week but not on count day**: Pileated Woodpecker, Winter Wren, Pine Siskin.

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

**Southeast Kansas Mined Land.** 37° 14'N 94° 58'W. Center as described in 1992. 1 January 1998, 7:10 a.m. to 5:30 p.m., 40° to 56°F. Wind SE 25 mph. Still water open, moving water open, a.m. partly cloudy, p.m. partly cloudy. Fifteen observers in 6 parties. Total party-hours 47.5 (9.5 on foot, 38 by car), plus .25 hour owling. Total party-miles 278.25 (7.25 on foot, 271 by car). Total 69 species, 9,524 individuals.

Mavis Benner, Joann Carnagey, Larry Carnagey, Pamela Cress, Cindy Ford, Steve Ford (compiler—Biology Dept., Pittsburg State Univ., Pittsburg, KS 66762), Larry Herbert, Barry Jones, Tom Kreissler, Elizabeth Mangile, Robert Mangile, Paul Milks, Chuck Spellman, Richard Tucker, Roger Willis.

**Syracuse.** 38° 00'N 101° 52'W. Center as described in 1995. 10 January 1998, 7:30 a.m. to 6:00 p.m., 6° to 13°F. Wind E 10-15 mph. Still water frozen, moving water partly frozen, a.m. cloudy, p.m. cloudy. Ten observers in 3 parties. Total party-hours 19.5 (2.5 on foot, 17 by car), plus .5 hour owling. Total party-miles 256.5 (2 on foot, 254.5 by car). Total 49 species, 4,597 individuals.

Alex Hurben, Deborah Hurben, Mike Hurben, Dan LaShelle, Art Nonhof (compiler—7560 Lindsay Dr., Holcomb, KS 67851), Marie Osterbuhr, Betty Rich, Leonard Rich, Tom Shane, Gene Skinner.

**Topeka.** 39° 02'N 95° 40'W. Center as described 1972. 20 December 1997, 7:00 a.m. to 5:00 p.m., 33° to 35°F. Wind N 0-8 mph. Still water partly frozen, moving water open, a.m. partly cloudy, p.m. partly cloudy. Twenty-four observers in 15 parties, plus 4 at feeders. Total party-hours 97 (42.5 on foot, 54.5 by car), plus 15.5 hours at feeders. Total party-miles 502.5 (39 on foot, 463.5 by car). Total 66 species, 12,830 individuals.

Cynthia Abbott, Jill Boyd, Joanne Brier, John Frey (since deceased), Dan Gish, Dean Grisell, Gladys Grisell, Gary Haden (compiler—5225 SW 12th St., Topeka, KS 66604), Dorothy Harvey, Peggy Howard, Scotty Johnson, Glen Koontz, Jess Kuhn, Joanna Lacoursiere, Dan Larson, Bob Lawson, Richard Martin, Sarah Merrill, Jennifer Perry, Melody Pollom, Joanne Ramberg, Pat Stein, Janeen Walters, Georgene Wilhelm, Lil Willis, Paul Willis, Wanda Wilson, Tracy Wohl.

**Udall-Winfield.** 37° 16'N 96° 59'W. Center as described in 1972. 21 December 1997, 8:00 a.m. to 5:00 p.m., 35° to 38°F. Wind NNE 10-15 mph. Still water open, moving water open, a.m. cloudy, rain, p.m. cloudy, rain. Eight observers in 4 parties, plus 2 at feeders. Total party-hours 38 (1.5 on foot, 36.5 by car), plus 8 hours at feeders. Total party-miles 452.5 (1.5 on foot, 451 by car). Total 88 species, 66,355 individuals. Additional species seen on count circle **count week but not on count day**: Pacific Loon, Horned Grebe, Red-breasted Merganser, Prairie Falcon, Herring Gull, Yellow-rumped Warbler, Spotted Towhee.

Betty Anderson, Duane Anderson, Wallace Champeny, Max Thompson (compiler—1729 E. 11th Ave., Winfield, KS 67156-4007), Lee Wilt, Donna Wilt, Robert Wimmer, Eugene Young.

**Ulysses.** 37° 30'N 101° 18'W. Center as described in 1994. 11 January 1998, 7:20 a.m. to 5:50 p.m., 12° to 28°F. Wind SE-SSE 3-15 mph. Scattered snow. Still water

frozen, moving water partly open, a.m. cloudy, light freezing drizzle, p.m. cloudy. Two observers in 1 party. Total party-hours 9.5 (2.75 on foot, 6.75 by car). Total party-miles 108.5 (4.5 on foot, 104 by car). Total 40 species, 8,023 individuals.

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

**Waconda Lake.** 39° 28'N 98° 22'W. Center as described in 1992. 30 December 1997, 7:30 a.m. to 4:30 p.m., 37° to 47°F. Wind W-NW 15-40 mph. Snow 2 inches. Still water partly frozen, moving water open, a.m. partly cloudy, p.m. clear. One observer in 1 party. Total party-hours 9 (3 on foot, 6 by car). Total party-miles 90 (1 on foot, 89 by car). Total 50 species, 30,143 individuals.

Mike Rader (compiler—Box 395, Wilson, KS 67490).

**Wakefield.** 39° 13'N 96° 58'W. Center as described in 1993. 2 January 1998, 6:15 a.m. to 5:15 p.m., 40° to 61°F. Wind NNW 10-38 mph. Still water open, moving water open, a.m. partly cloudy, p.m. partly cloudy. Seven observers in 3 parties. Total party-hours 24.5 (9.5 on foot, 15 by car), plus 2 hours owling. Total party-miles 204.4 (10.8 on foot, 193.6 by car), plus 25.1 miles owling. Total 71 species, 5,443 individuals.

Carol Hoogheem, Irwin Hoogheem, Jay Jeffrey, Chuck Otte (compiler—613 Tamerisk, Junction City, KS 66441), Shannon Rayl, Chris Smith, Patricia Yeager.

**Webster Reservoir.** 39° 25'N 99° 24'W. Center as described in 1992. 2 January 1998, 7:15 a.m. to 5:25 p.m., 29° to 52°F. Wind SE 5-10 mph. Still water partly frozen, moving water open, a.m. clear, p.m. partly cloudy. Three observers in 2 parties. Total party-hours 15 (5.5 on foot, 9.5 by car). Total party-miles 131 (9 on foot, 122 by car). Total 69 species, 11,423 individuals.

Don Kazmaier, Dan LaShelle, Mike Rader (compiler—P. O. Box 395, Wilson, KS 67490).

**Wichita.** 37° 41'N 97° 21'W. Center as described in 1955. 20 December 1997, 7:30 a.m. to 5:00 p.m., 32° to 36°F. Wind NE 15 mph. Still water open, moving water open, a.m. cloudy, p.m. cloudy. Nineteen observers in 6-8 parties plus 1 at feeder. Total party-hours 58.5 (33.5 on foot, 25 by car), 4 hours at feeders. Total party-miles 404.5 (33.5 on foot, 371 by car). Total 88 species, 27,356 individuals. Additional species seen on count circle **count week** but **not** on count day: Winter Wren.

Wallace Champeny, John Clark, Charles Cope, Willow Cope, Rick Goodrick, Harry Gregory, Sharron Gregory, Bob Gress, Pete Janzen (compiler—3137 Mascot, Wichita, KS 67204-4407), Dan Kilby, Michael Lesan, Alan Maccarone, Jim Mason, John Northrup, John Romain, Eddy & Savilla Stegall, Sandra Tholen, Don Vannoy.

**Wilson Reservoir.** 38° 56'N 98° 34'W. Center as described in 1994. 20 December 1997, 8:00 a.m. to 5:00 p.m., 28° to 35°F. Wind NE 15-5 mph. Still water open, moving water open, a.m. cloudy, p.m. cloudy. Seven observers in 5 parties. Total party-hours 32.5 (15 on foot, 17.5 by car). Total party-miles 297 (17 on foot, 280 by car). Total 72 species, 9,470 individuals.

Christopher Farney, Vicki Farney, Dan LaShelle, Greg Nichols, Ben Nondorf, Mike Rader (compiler—P.O. Box 395, Wilson, KS 67490), Scott Seltman. Additional species seen in count circle **count week** but **not** on count day: Red-throated Loon, Pied-billed Grebe, Mourning Dove, Purple Finch.

**Yoder.** 37° 53'N 97° 52'W. Center as described 1992. 10 January 1998, 7:30 a.m. to 12:00 p.m., 12° to 20° F. Wind N 5-15 mph. Snow trace. Still water frozen, moving water partly frozen, a.m. clear, p.m. partly cloudy. Fifteen observers in 6 parties. Total party-hours 19.5 (3 on foot, 23 by car). Total party-miles 251.2 (3.5 on foot, 247.7 by car). Total 48 species, 5,839 individuals.

Kate Burger, Mary Clark (compiler—Dillon Nature Center, 3002 E. 30th, Hutchinson, KS 67502), Matt Clark, Bill Davis, Kris Davis, Louise Davis, Dan Dyck, Heidi Dyck, Linda Dyck, Rick Goodrick, Wayne Hochstetler, Steven Kinser, Jim Smith, Marcelee Webb, Joseph Yates.

SPECIES	Alma	Ark City	Baldwin	Baxter Springs	Black Wolf	Bonner Springs	Camp Naish	Canyonland	Cheyenne	Cimarron	Dodge City	Eldorado	Emporia
Red-throated Loon													
Pacific Loon													
Common Loon													
Pied-billed Grebe			2	4					2				
Horned Grebe													
Eared Grebe													
White Pelican									4				
Double-crested Cormorant				6					1				
Great Blue Heron		10	3	8		3			22			13	3
Black-crowned Night Heron									13				
Tundra Swan													
Gr. White-fronted Goose		337							1			6	3
Snow Goose (White morph)		2	1730										36800
Snow Goose (Blue Morph)			720										
Ross's Goose													
Canada Goose	234	426	889	64	103	4265	306	25	157	16	50	319	760
goose sp.									370				
Wood Duck				2									
Green-winged Teal		3		1		1						1	
Am. Black Duck													
Mallard	38	64	371	6	43	1320	6	126	1921		131	78	616
Blue-winged Teal													
Northern Pintail		2							333		1		1
Northern Shoveler		7		200					48		1		5
Gadwall	14	36	6	200		85						13	25
American Wigeon		13		1		2				1			5
Canvasback		100				2							310
Redhead						1							92
Ring-necked Duck			1	1		4			1				7
Greater Scaup													
Lesser Scaup	4		17	45		10							82
Oldsquaw	1												
Common Goldeneye	44	5	24	40		22	4		12			13	195
Bufflehead			11	80		16			2				4
Hooded Merganser						2						23	
Common Merganser	3		13			15						2	6
Red-breasted Merganser				1									
Ruddy Duck	3		1	1		6						5	8
duck sp.		12										12	
Bald Eagle		12			3	8			6			2	
Northern Harrier		42	33	1	19			2	41	40	27	36	8
Sharp-shinned Hawk	1	3	1		1	1				6	1	1	
Cooper's Hawk					1								
Northern Goshawk													
Accipiter Sp.												1	
Red-shouldered Hawk				2									
Red-tailed Hawk	8	166	171	16	41	78	3		13	40	49	76	17
Red-tailed (Harlan's) Hawk		2	2	1		1				1			
Ferruginous Hawk								1		37	1		
Rough-legged Hawk			3			3		1	10	11	7	4	
Buteo Sp.									2	4			
Golden Eagle								1		3			
American Kestrel		32	3	4	14	21	1	4	5	32	12	6	3
Merlin					1					7			
Peregrine Falcon													
Prairie Falcon		2	1		1			3	4	8			
falcon sp.													
Ring-necked Pheasant		2			2				7	62	13	4	
Greater Prairie-chicken	40												13
Lesser Prairie-chicken										4			
Wild Turkey		2	30		75	1					11	15	1
Northern Bobwhite	1	61	46		3	13	12	18	16	147	14	43	16
Scaled Quail										51			
Virginia Rail													
American Coot	23	1					5		95				2
Sandhill Crane													
Killdeer													
Common Snipe													
Bonaparte's Gull				1									
Ring-billed Gull		8	4	11		20			170			399	3
California Gull													
Herring Gull												1	
Thayer's Gull													
Lesser Black-backed Gull													
Glaucous Gull													
Black-legged Kittiwake													
Larus sp.							1		11				
Rock Dove		109	169	1	51	97	12			152	248		52
Mourning Dove	4	71	72	5	2	71	4	2		52			26
Ringed Turtle Dove													
Barn Owl													
Eastern Screech-Owl		8	5		5	1	2						
Great Horned Owl		14	29		3	3	1	6	6	3		1	2
Long-eared Owl													
Short-eared Owl									5				
Barred Owl	1	26	3			6						2	2
Belted Kingfisher	1	4	2	2		3			13			4	
Red-headed Woodpecker	2	40	44	1		29	10						
Red-bellied Woodpecker	16	91	89	22	9	52	20		3		2	28	16
Yellow-bellied Sapsucker		1	2	1									2
Downy Woodpecker	10	42	92	11	11	52	18	7		9	3	37	8
Hairy Woodpecker	7	2	14	1	8	5	3			1			1

SPECIES	Alma	Ark City	Baldwin	Baxter Springs	Black Wolf	Bonner Springs	Camp Naish	Canyonland	Cheyenne	Cimarron	Dodge City	Eldorado	Emporia
Ladder-backed Woodpecker										4			
Northern Flicker		26	5	18	5		4	1	7	5		2	
Yellow-shafted	15	36	50	6	1	36	10	1	10	2	2	69	17
Red-shafted	2	6	3		1			1	5	12		6	1
Pileated Woodpecker		4	4	3									
Horned Lark	53	135	887	125	73	46		5		9090	395	61	266
Blue Jay	50	156	343	26	3	112	42		2	2	22	24	34
Black-billed Magpie					13			9		70	50		
American Crow	206	302	337	50	58	209	14		7	15	75	207	161
Chihuahuan Raven													
Black-capped Chickadee	18		142		36	103	64	2	28	1		93	30
Carolina Chickadee		178		10									
Tufted Titmouse	3	93	71	10		42	29					27	7
Red-breasted Nuthatch		4	3	1	2	1	1			1	2		2
White-breasted Nuthatch	5	33	42	9	4	20	19		9	1	1	21	2
Brown Creeper		18	12	3		5	2					6	
Rock Wren								2					
Carolina Wren	4	49	25	15	1	24	17					6	2
Bewick's Wren	1	2					1			1			
Winter Wren		2	2			2							
Marsh Wren										2			
Golden-crowned Kinglet		3		1			5					5	
Ruby-crowned Kinglet		3		1									
Eastern Bluebird	26	95	148	42		70	12					8	10
Mountain Bluebird													
Townsend's Solitaire										3			
Hermit Thrush		2				1							
American Robin	53	383	25	74	2	17	19			5	8	3	22
Gray Catbird													
Northern Mockingbird		29	21	5		12	2					1	2
Brown Thrasher												1	
Cedar Waxwing	36	109	24	301	1		102	5			24		65
Northern Shrike										3			
Loggerhead Shrike	1	2	7			3				3		1	1
European Starling	450	1257	3961	3212	373	643	55		23	315	1059	1546	947
Orange-crowned Warbler													
Yellow-rumped Warbler (Myrtle)	1	72	1	8		13							
Northern Cardinal	10	254	266	125	27	196	37		27	1	11	153	84
Spotted Towhee		16				1	4		1	1	1	1	
Eastern Towhee		4											
American Tree Sparrow	517	653	956	1	336	287	14	2	167	1782	11	764	504
Field Sparrow		10		7									2
Vesper Sparrow										1			
Lark Bunting										150			
Savannah Sparrow		1	1	6									
LeConte's Sparrow													
Fox Sparrow		6	2	10		4	2						
Song Sparrow	7	162	25	82	6	26	31	1		5		1	
Lincoln's Sparrow		2	1			1				1			
Swamp Sparrow		1	7	26						1			
White-throated Sparrow		6	4	44		12	6					1	
White-crowned Sparrow	2	145	8	3	1	33				90	32		1
Harris' Sparrow	45	1380	41	2	443	41			19	1	24	158	235
Golden-crowned Sparrow													
Dark-eyed Junco		171	22		81	175	59			97		204	
Slate-colored	144	529	508	66	24	150		20	3	20	105	2	304
Oregon		9	1			4				23	5	2	
sparrow sp.													
McCown's Longspur										30			
Lapland Longspur		52	2939	3	44			10		751			
Smith Longspur													
Chestnut-collared Longspur										40			
longspur sp.										20			
Red-winged Blackbird	95	1852	2229	130	815	44	1		84	588	175	151	226
Eastern Meadowlark		12	100			5						39	135
Western Meadowlark			1		5					1627	343	1	
<i>Sturnella</i> sp.		586	803	28	43	33			17	91		2	
Yellow-headed Blackbird													
Rusty Blackbird		53	17	3		350							
Brewer's Blackbird		708			200								
Common Grackle		102		1		350			3	5	618		
Great-tailed Grackle		1	525			75				2	200		13
Brown-headed Cowbird	1	52	69	2	3								81
blackbird sp.		1037							21028	6			
Purple Finch	12	1	15			5							1
House Finch	38	34	84	45	85	25			14	120	152	17	30
Red Crossbill													
Common Redpoll													1
Pine Siskin		2	7		1	5				25	12		
American Goldfinch	20	128	278	19	80	197	23			156	8	15	38
House Sparrow	20	347	769	75	225	205	2		23	1131	955	73	78
Total	2290	13073	20394	5337	3389	9807	980	255	24771	16989	4861	4816	42396
Species	47	84	74	67	48	72	40	22	43	59	40	55	61

SPECIES	Garden City	Halstead	Hays	Hillsdale	John Redmond	Junction City	Kirwin	Lakin	Lawrence	Leavenworth	Linn County	Manhattan	Meade County
Red-throated Loon													
Pacific Loon													
Common Loon					2	3			1		1		
Pied-billed Grebe	1				6				6		91		1
Horned Grebe					1		1		1		9		
Eared Grebe				1									
White Pelican												1	
Double-crested Cormorant					47		1		22		5	9	
Great Blue Heron	3	4	3	2	14	23	13	1	10	1	17	87	
Black-crowned Night Heron				5		2							
Tundra Swan								4					
Gr. White-fronted Goose		4				4	174					2	5
Snow Goose (White morph)		1			1630			1500	50	9000	5260	18859	
Snow Goose (Blue Morph)					1020			25		2500	2017	9400	
Ross's Goose											11		
Canada Goose	123	804	17	59	5269	383	18042	694	2050	845	5374	7785	3700
goose sp.													
Wood Duck	50								1	2			
Green-winged Teal	211		1			40	5	1	30		40	43	3
Am. Black Duck									1		1		
Mallard	1189	58	40	110	2422	167	6707	6158	916	39	605	9987	38
Blue-winged Teal													
Northern Pintail	28						1		1	3		3	
Northern Shoveler				8	7				19		19	8	42
Gadwall	4		1	5	6	164	1		99		120	74	5
American Wigeon	169				18		3		3		2	10	
Canvasback	8	2			15	47	1				14	15	2
Redhead	3				40			1			100	4	
Ring-necked Duck	4				17			1	6		122	64	
Greater Scaup											2		
Lesser Scaup	13	8				1		8	1	2	12	9	5
Oldsquaw													
Common Goldeneye				9	46	86	40		304	7	66	83	6
Bufflehead				16	34		30		2		6	2	
Hooded Merganser	2			4	145	6	35		15	3	74	117	
Common Merganser				2	568	5038	2000	3	600	7		1396	6
Red-breasted Merganser					1							1	
Ruddy Duck	2				1		9				2	2	
duck sp.		35	9		150								5
Bald Eagle			1	1	10	96	62	1	65	20	13	63	1
Northern Harrier	30	12	13	1	55	41	7	32	15	2	65	25	7
Sharp-shinned Hawk	1	2		1		1	2	1	9	1	2	6	1
Cooper's Hawk	1	3			1	8	1		3		1	6	
Northern Goshawk													
Accipiter Sp.		3				2		1				1	
Red-shouldered Hawk													
Red-tailed Hawk	22	125	68	11	61	75	50	19	130	27	152	158	9
Red-tailed (Harlan's) Hawk		1	3			1	2		1		2	17	
Ferruginous Hawk	6		1					6					3
Rough-legged Hawk	13	3	9	2		3	5	16	1	2	1	3	2
Buteo Sp.	2	5	11			3	10	14				5	7
Golden Eagle			2										
American Kestrel	14	22	36	3	10	19	27	8	47	7	20	33	14
Merlin	3	1	1			2						5	
Peregrine Falcon													
Prairie Falcon	1	5			1		1	2					1
falcon sp.							1						
Ring-necked Pheasant	19	12	77			6	94	45			1	8	11
Greater Prairie-chicken			7			5						12	
Lesser Prairie-chicken													
Wild Turkey		233	3	10	8		120		26	15		231	3
Northern Bobwhite	65	40	86	1	7	75	53		47	15	37	203	18
Scaled Quail	3												
Virginia Rail						2							
American Coot	18				10	1		4		4	8	23	200
Sandhill Crane													
Killdeer		2									1		
Common Snipe							1					2	
Bonaparte's Gull					201				2		30		
Ring-billed Gull		100		30	920	135	85		4800	27	405	428	
California Gull													
Herring Gull				19	6	27	4		30			5	
Thayer's Gull													
Lesser Black-backed Gull													
Glaucous Gull													
Black-legged Kittiwake					1								
Larus sp.						20	3	1	115				
Rock Dove	367	119	423	12	28	58	40	85	550	15	156	1045	5
Mourning Dove	16	201	127	2	27	21	2	1	87	4	11	279	5
Ringed Turtle Dove													
Barn Owl	1							1					
Eastern Screech-Owl					1	2	8		9	2		5	5
Great Horned Owl	8	15	8			2	17	6	11	7	1	12	
Long-eared Owl			2										
Short-eared Owl			2										
Barred Owl		1			2	1			14	4		11	
Belted Kingfisher	2	2	1	1	5	7	4		7	2	6	33	2
Red-headed Woodpecker				1	1	10			74	17	99	168	
Red-bellied Woodpecker		67	20	2	29	34	41		143	26	64	219	1
Yellow-bellied Sapsucker					2	2			2	3	1	9	
Downy Woodpecker	3	97	24	3	50	26	59	3	176	39	43	223	5
Hairy Woodpecker		11	7		3	12	17		22	3	3	38	

SPECIES	Garden City	Halstead	Hays	Hilldale	John Redmond	Junction City	Kirwin	Lakin	Lawrence	Leavenworth	Linn County	Manhattan	Meade County
Ladder-backed Woodpecker													
Northern Flicker		63	12		35	12	35		15	7	1	81	
Yellow-shafted	3	15	1	1	33	47	16		133	13	54	156	2
Red-shafted	9	3	2			2	5	15	1			7	
Pileated Woodpecker					1				1	4	5	1	
Horned Lark	147	507	1508	12	125	63	267	1075	157	2	88	21	1429
Blue Jay	8	117	19	16	65	273	8	225	483	96	209	1014	1
Black-billed Magpie	115		63			1	65	30					
American Crow	11	504	124	35	2895	855	103	1	539	37	228	2597	24
Chihuahuan Raven													
Black-capped Chickadee		201	109	18	115	146	168		372	65	78	757	
Carolina Chickadee				1									
Tufted Titmouse		39		11	69	29			145	62	50	197	
Red-breasted Nuthatch	1	2	9	1	2	5	3		17	2		29	
White-breasted Nuthatch	2	3	9	1	11	19	56	2	69	37	19	137	
Brown Creeper		7	3		4	4	7		26	6	6	10	
Rock Wren													
Carolina Wren		17		1	21	21			66	25	18	102	
Bewick's Wren						1			1			3	
Winter Wren		1	1		3	2	2					5	2
Marsh Wren						1		1					
Golden-crowned Kinglet		8	9		3	3	7			2	2	17	1
Ruby-crowned Kinglet		24			2							1	
Eastern Bluebird		16		12	50	61			278	34	78	217	6
Mountain Bluebird													
Townsend's Solitaire													
Hermit Thrush									3			1	
American Robin	2	87	25		74	627	18	2	1300	4	36	922	1
Gray Catbird												1	
Northern Mockingbird		2		1	3	7	1		12		6	1	
Brown Thrasher		1				1							
Cedar Waxwing		16	12			248	2		168			306	
Northern Shrike								1		1			
Loggerhead Shrike	1				4	1	1	1	2		3		2
European Starling	412	2609	1821	15	1353	922	682	176	6070	393	1163	4040	43
Orange-crowned Warbler													
Yellow-rumped Warbler (Myrtle)		3			3	1			11		50	9	
Northern Cardinal	1	206	13	25	58	124	52	3	384	138	122	466	8
Spotted Towhee		14				3			1			31	
Eastern Towhee		2			3								
American Tree Sparrow	124	1053	889	19	1460	1318	974	786	838	366	646	1840	61
Field Sparrow		1		16		5			1			3	
Vesper Sparrow													
Lark Bunting	2												
Savannah Sparrow		2											
LeConte's Sparrow					1								
Fox Sparrow		3				2	18		8			2	
Song Sparrow	2	69	11		50	21	34	38	273	17	22	144	2
Lincoln's Sparrow		2							2		1		
Swamp Sparrow						2	2		33	1	4	1	
White-throated Sparrow					1				15	2	2	20	
White-crowned Sparrow	318	38	6		38	4	42	294	50	2	25	15	78
Harris' Sparrow	11	1368	456		243	326	278	37	72		14	780	38
Golden-crowned Sparrow	1												
Dark-eyed Junco	3		47		251				800	164			25
Slate-colored	89	993	209	18	132	784	207	247	829	285	366	2439	
Oregon	37	5	26			10		6	21	1	1	14	
sparrow sp.													
McCown's Longspur	1												
Lapland Longspur	307	79	680			440	588		1		250	20	2918
Smith Longspur					50								
Chestnut-collared Longspur													
longspur sp.													
Red-winged Blackbird	5680	7034	731		7959	168	5794	877	12800	4750	3465	1488	800
Eastern Meadowlark				11	137	1			2		60	1	
Western Meadowlark	231	2	396			121	80	512	2			143	290
<i>Sturnella</i> sp.		504				133	157		194	140	146	374	
Yellow-headed Blackbird									1				
Rusty Blackbird	76	1					6				17	30	
Brewer's Blackbird		4			50		2			1		50	10
Common Grackle	3	1			3		3	82	7	33	2752		
Great-tailed Grackle	342										111		
Brown-headed Cowbird	50	164	81			147	46	2	1010	700	3	2	
blackbird sp.			403										226
Purple Finch					12				31	3	5	6	
House Finch	104	113	245	8	13	56	122	76	148	10	6	353	44
Red Crossbill													
Common Redpoll													
Pine Siskin	3	35				3	54	2	7			123	
American Goldfinch	33	102	54	26	92	252	159	45	519	166	98	647	
House Sparrow	3156	461	872	30	105	358	549	1561	710	105	162	922	105
Total	13687	18495	9855	599	28427	14291	38392	14740	39154	20328	25463	71784	9944
Species	61	71	55	48	81	81	73	52	88	65	80	96	51



SPECIES	Olathe	Old G'Field Co.	Olsburg	Oski's Perry Lake	Parsons	Pomona	Quivira	Red Hills	Salina	Sawyer	Scott Lake	Seneca	Slate Creek
Red-throated Loon													
Pacific Loon													
Common Loon						1							
Pied-billed Grebe	1	6		1	2	1	1	4					4
Horned Grebe													
Eared Grebe						4							
White Pelican							1			1			
Double-crested Cormorant		1											
Great Blue Heron	3		4	1	5	6	9	4	6	4	1		2
Black-crowned Night Heron													
Tundra Swan							3						
Gr. White-fronted Goose							96300	420					28
Snow Goose (White morph)			336	41		551	40000	13		1			20
Snow Goose (Blue Morph)							20000						
Ross's Goose							3						
Canada Goose	2647	45	1653	160	1244	673	384200	6200	359	625	160		140
goose sp.													
Wood Duck		1					1						
Green-winged Teal							2804	15					13
Am. Black Duck				1									
Mallard	304	806	3062	3100	837	50	56485	911	23	97	838	27	230
Blue-winged Teal					1								
Northern Pintail	8			5	2		950	15			1		
Northern Shoveler					64		14	3		3			55
Gadwall	36	2		8	36	2	5	33	139			5	26
American Wigeon				16			4	19			1		2
Canvasback	6	2			40		7	8	3		2		
Redhead		2			4		9	12	1		2		
Ring-necked Duck					63			3	2		11		
Greater Scaup													
Lesser Scaup	8	2			28	1	5	35	3		12		7
Oldsquaw													
Common Goldeneye			9	42	5	37	35		7			12	21
Bufflehead	7				9		3						
Hooded Merganser				3	7		5						4
Common Merganser		1	4	2000			696	18					3
Red-breasted Merganser													
Ruddy Duck	1	2			3		5						
duck sp.				11									
Bald Eagle	5		3	31	5	1	48		6				4
Northern Harrier		14	18		83	25	124	43	17	37	4		49
Sharp-shinned Hawk			3	2		1	3	1	3	1	1		3
Cooper's Hawk			1		3	1	1	2	3	2		1	1
Northern Goshawk				1									
Accipiter Sp.									3				1
Red-shouldered Hawk												1	
Red-tailed Hawk	60	10	62	22	125	87	79	81	76	46	9	6	134
Red-tailed (Harlan's) Hawk							1	2		2			
Ferruginous Hawk								2			2		
Rough-legged Hawk		21			2	1	4	3	2	6	11		
Buteo Sp.										1			
Golden Eagle								2					
American Kestrel	28	10	9	6	23	9	42	33	31	6	4	1	40
Merlin		3				1	4	2				1	
Peregrine Falcon							1						
Prairie Falcon		4				1				3	7		1
falcon sp.													
Ring-necked Pheasant		60	21				4	7	23		8	18	8
Greater Prairie-chicken													
Lesser Prairie-chicken													
Wild Turkey			9	141		2		38	74	8	1		18
Northern Bobwhite			48	26	20	29	57	95	92	16	1		
Scaled Quail													
Virginia Rail		1											3
American Coot	5	135			50		21		2	1	24		23
Sandhill Crane							25002	15					
Killdeer			1					2		2			
Common Snipe			1							1			
Bonaparte's Gull				2									
Ring-billed Gull	79		14	166	7	155	15	1	2				
California Gull													
Herring Gull				1		8	1						
Thayer's Gull													
Lesser Black-backed Gull													
Glaucous Gull													
Black-legged Kittiwake													
Larus sp.				128									
Rock Dove	67	3	9	17	23	2	1	2	178	24	115	1	30
Mourning Dove	144	9	75	3	53	6	20	37	4	197		22	103
Ringed Turtle Dove											3		
Barn Owl							1	1					1
Eastern Screech-Owl	2		3	4			2						1
Great Horned Owl	3	2	10	3	1	3	4	1		1	5	4	43
Long-eared Owl													2
Short-eared Owl													4
Barred Owl	4		2	5		1				1			12
Belted Kingfisher	8		5	1				3	3	10	2	1	1
Red-headed Woodpecker	2		47	56	21	2							
Red-bellied Woodpecker	46		43	39	37	40	12	10	27	20	5	16	18
Yellow-bellied Sapsucker				1		6		1					
Downy Woodpecker	79	1	53	32	12	64	17	17	25	30	10	17	14
Hairy Woodpecker	5		17	4	1	7	4	4	2	1	2	7	4

SPECIES	Olathe	Old G'Field Co.	Olaburg	Oakl'sa Perry Lake	Parsons	Pomona	Quivira	Red Hills	Salina	Sawyer	Scott Lake	Seneca	Slate Creek
Ladder-backed Woodpecker													
Northern Flicker	32	2	30	10			9	14	4		6		28
Yellow-shafted		2	34	28	33	46	14	29	17	15		9	14
Red-shafted		5	9				8	6	3	3	11		4
Pileated Woodpecker	1				1								
Horned Lark		6892			277	15	40	2	94	287	239	33	67
Blue Jay	233		372	115	171	160	6	5	23	3	4	19	38
Black-billed Magpie		5					8		2		14		
American Crow	143	44	2092	96	173	160	229	831	155	154	2	58	353
Chihuahuan Raven									1				
Black-capped Chickadee	157		191	113		106	55		80	41	21	13	
Carolina Chickadee					35			36					29
Tufted Titmouse	69		25	36	7	49		2	8	10		4	21
Red-breasted Nuthatch	7		6	12		6			5		1		
White-breasted Nuthatch	15		23	22	3	21	1	6	9	19	7	7	6
Brown Creeper	3			6	2	5			1	2	1	1	1
Rock Wren													
Carolina Wren	8		19	8	3	18		6	2	6		4	7
Bewick's Wren						1	1	1					1
Winter Wren			3							7			
Marsh Wren		1					6				2		1
Golden-crowned Kinglet			8			1	1	1		1	3	3	
Ruby-crowned Kinglet								1		9			
Eastern Bluebird	41		68	33	49	105		45	16	8	14	7	28
Mountain Bluebird								200					
Townsend's Solitaire											7		
Hermit Thrush													
American Robin	12		249	90	851	52		89		7	159	26	1
Gray Catbird													
Northern Mockingbird	4		1	1	15	9	2			1			4
Brown Thrasher													
Cedar Waxwing	21		11	121	94	21					2	1	
Northern Shrike			1										
Loggerhead Shrike	1	1	1	1	6	11	4	4		1			5
European Starling	1020	32	258	403	2598	505	78	1288	1174	289	657	73	1546
Orange-crowned Warbler													
Yellow-rumped Warbler (Myrtle)			4		3			5		2			
Northern Cardinal	102		137	118	117	225	35	74	80	43	7	8	146
Spotted Towhee			7	2				2			4		5
Eastern Towhee									1				
American Tree Sparrow	170	435	319	631	139	801	1961	1276	330	771	291	64	500
Field Sparrow		25	1		24		1	11					
Vesper Sparrow			2										
Lark Bunting													
Savannah Sparrow							2	1					15
LeConte's Sparrow													3
Fox Sparrow	1		6		4	4							1
Song Sparrow	11	7	65	28	25	13	42	72	2	39	6	18	54
Lincoln's Sparrow			2			3	1						
Swamp Sparrow	2				1		1						21
White-throated Sparrow	2		4	1	5			2		10			1
White-crowned Sparrow	6	44	53	32	142	22	8	15	1	2	1		52
Harris' Sparrow	1	11	175	155	117	125	437	559	377	317	1	11	938
Golden-crowned Sparrow			1										
Dark-eyed Junco	439		421	747	416	500	414		115	229			178
Slate-colored		7		189		151		400	94	75	87	72	52
Oregon		7	1	10		1	5	40		2	40	2	5
sparrow sp.			225										
McCown's Longspur													
Lapland Longspur		680					2				1004	1	26
Smith Longspur													
Chestnut-collared Longspur													
longspur sp.													
Red-winged Blackbird		1326	505	22	1410	753	4016	775	2086	4686	355	50	1901305
Eastern Meadowlark				5	381		110	16		30			5
Western Meadowlark		340	3				3	15		312	301	124	1
<i>Sturnella</i> sp.			41	6		9	431	146	119				781
Yellow-headed Blackbird													
Rusty Blackbird		15	2										
Brewer's Blackbird							26	51	1				5036
Common Grackle					1		5	5		1	1		2005
Great-tailed Grackle							7	1					216
Brown-headed Cowbird					32		2	7	134	61			50030
blackbird sp.													43235
Purple Finch				21					1				
House Finch			82	75	85	143		54	20	30	125	4	10
Red Crossbill	75			2									
Common Redpoll													
Pine Siskin			46	6				2					
American Goldfinch	80	1	462	282	60	157	36	60	72	69	28	93	56
House Sparrow	504	28	133	178	91	77	4	32	353	25	1371	129	264
Total	6718	11053	11619	9686	10187	6763	634346	14287	6500	8711	6014	975	2008168
Species	53	43	65	65	66	67	79	77	59	58	57	42	76

SPECIES	Southeast	Syracuse	Topeka	Udall/ Winfield	Ulysses	Waconda	Wakefield	Webster	Wichita	Wilson	Yoder	Number
Red-throated Loon				1								1
Pacific Loon										1		1
Common Loon				2		1				2		13
Pied-billed Grebe	39								21			193
Horned Grebe												13
Eared Grebe									1			5
White Pelican								1				8
Double-crested Cormorant				4				13		1		112
Great Blue Heron	8		8	8			2	4	31	2	2	353
Black-crowned Night Heron												15
Tundra Swan												7
Gr. White-fronted Goose				1		450		1				97736
Snow Goose (White morph)						900		1				116695
Snow Goose (Blue Morph)						50						35732
Ross's Goose												14
Canada Goose	246	2	1569	294		6500	15	3250	4925	3786	333	471185
goose sp.												370
Wood Duck							4					61
Green-winged Teal				4		3		3	118	3		3343
Am. Black Duck												3
Mallard	168		666	411		8500	74	4140	1201	677	11	115774
Blue-winged Teal				2								3
Northern Pintail						2	3	1	2			1362
Northern Shoveler	13		3	4					34			557
Gadwall	9		95	36		1	33	8	162	16		1510
American Wigeon				18				2	82	10		383
Canvasback				1					12			597
Redhead				2						13		286
Ring-necked Duck	65		7	2					7			388
Greater Scaup												2
Lesser Scaup	5		5	23					154			505
Oldsquaw							1					2
Common Goldeneye			52	102		200	9	325	100	138		2100
Bufflehead			48	15		2		3	83			373
Hooded Merganser				6				24	58			600
Common Merganser			11	13		8500	126	260		123	1	21412
Red-breasted Merganser												6
Ruddy Duck			3						3			57
duck sp.											42	276
Bald Eagle	1	3	10	2		35	28	33	3	9	3	594
Northern Harrier	65	20	3	34	15	4	15	9	2	53	28	1216
Sharp-shinned Hawk	2	4	5	2	4	1	1	2	3	1	1	86
Cooper's Hawk	3		2				2	4		3		54
Northern Goshawk												2
Accipiter Sp.												12
Red-shouldered Hawk	2											5
Red-tailed Hawk	209	40	75	95	12	9	65	30	114	79	42	3152
Red-tailed (Harlan's) Hawk		1					3		2		2	47
Ferruginous Hawk		7							1		1	68
Rough-legged Hawk	2	46		1	12		1		2	2	4	219
Buteo Sp.		10					3				1	78
Golden Eagle		3								1		12
American Kestrel	18	19	50	16	2	4	8	8	23	41	16	844
Merlin		3			1			1	1	1		38
Peregrine Falcon			1				1					3
Prairie Falcon		7			2		1	1		2		59
falcon sp.												1
Ring-necked Pheasant		12	3	2	15	32	4	10	9	79	14	692
Greater Prairie-chicken				6						13		96
Lesser Prairie-chicken												4
Wild Turkey	30		25	39	31			60				1260
Northern Bobwhite	55	40	32	131		3	16	12	33	108		1851
Scaled Quail		50										104
Virginia Rail									1			7
American Coot	20		50	6				13	47			791
Sandhill Crane												25017
Killdeer				1					1			10
Common Snipe									4			9
Bonaparte's Gull												236
Ring-billed Gull	274		290	21		2800	41	155	6206	125	5	17901
California Gull				3		1			1			5
Herring Gull						650	1	27	76	23		879
Thayer's Gull						4				4		8
Lesser Black-backed Gull						1						1
Glaucous Gull						1						1
Black-legged Kittiwake												1
Larus sp.							36					333
Rock Dove	5	166	515	177	41	13	4	121	805	1	29	6143
Mourning Dove	76	1	831	128	12		5	7	29		4	2858
Ringed Turtle Dove												3
Barn Owl					3		2	1				11
Eastern Screech-Owl	4					1	2	2	3	4		81
Great Horned Owl		6	6	3	6	1		5	5	6		273
Long-eared Owl								12		29		55
Short-eared Owl		9		3				1		8		24
Barred Owl	1			6					1			106
Belted Kingfisher	6		8	2			2	5	10	3	1	171
Red-headed Woodpecker	10		35	14			18					701
Red-bellied Woodpecker	55	1	81	34		3	26	12	24	24	14	1581
Yellow-bellied Sapsucker	4			2			1		1			41
Downy Woodpecker	31	2	85	42	6	5	34	40	33	16	4	1720
Hairy Woodpecker	9	1	6	3	1	2	6	4	3	8	2	261

SPECIES	Southeast	Syracuse	Topeka	Udall/ Winfield	Ulysses	Wacoada	Wakefield	Webster	Wichita	Wilson	Yoder	Number
Ladder-backed Woodpecker		1										5
Northern Flicker		6	27	2	6	1	19	6	7	1	27	573
Yellow-shafted	42	6	63	41	6		18	9	30	7	3	1195
Red-shafted		13			5	5	8	4	1	4	1	171
Pileated Woodpecker				4								29
Horned Lark	959	3		253	850	180	48	160	8	27	205	27176
Blue Jay	73	4	388	107	3	7	63	1	64	14	30	5253
Black-billed Magpie		107			52	8		21		4		637
American Crow	212	15	325	206	17	1	195	62	4109	50	183	19459
Chihuahuan Raven												1
Black-capped Chickadee			222	40		26	56	66	118	37	49	3937
Carolina Chickadee	77			39								405
Tufted Titmouse	14		73	49			9		14			1275
Red-breasted Nuthatch			27	5	1		7	1	8	5	2	181
White-breasted Nuthatch	1	2	35	4		5	13	11	7	8		756
Brown Creeper	4		11	3			2	3	5	1		170
Rock Wren												2
Carolina Wren	8		20	8			23		29			583
Bewick's Wren				2			3					19
Winter Wren				1			2					36
Marsh Wren										1		15
Golden-crowned Kinglet	12		1				3		15	2		117
Ruby-crowned Kinglet	9			2					9			61
Eastern Bluebird	59		185	45			27				1	1894
Mountain Bluebird				23								223
Townsend's Solitaire		2								1		13
Hermit Thrush			1									8
American Robin	1108		919	125	5	1	53	46	36	29	32	7599
Gray Catbird												1
Northern Mockingbird	15		7	8			2		4			178
Brown Thrasher				2					3			8
Cedar Waxwing	299		215		1		66	6	79	10	3	2369
Northern Shrike						1				4		11
Loggerhead Shrike	7		1	2						4		83
European Starling	591	2219	2759	4305	120	375	174	345	5096	53	599	60097
Orange-crowned Warbler											1	1
Yellow-rumped Warbler (Myrtle)	12		1				22		64			287
Northern Cardinal	211	4	224	266		11	66	2	183	70	119	5067
Spotted Towhee		1					18	30	26			140
Eastern Towhee	1		1					1	1			13
American Tree Sparrow	131	88	244	2178	230	120	626		359	1810	1347	31779
Field Sparrow	7			3				590	4		2	123
Vesper Sparrow												3
Lark Bunting												152
Savannah Sparrow				2								30
LeConte's Sparrow									2			6
Fox Sparrow	5		1	3					3			85
Song Sparrow	34	2	21	62	3	2	70		102	31	4	1780
Lincoln's Sparrow	2		1	1			1	38				21
Swamp Sparrow	3			1			5		5			117
White-throated Sparrow	70		26						5			239
White-crowned Sparrow	348	29	1	22	30		66		2	5	2	2136
Harris' Sparrow	127		97	3938	25	30	393	28	505	191	579	15274
Golden-crowned Sparrow								153				2
Dark-eyed Junco	358	2	917	246	4	175			7	5	252	7554
Slate-colored		81	17	1343	30		377	30	648	372		12574
Oregon	7	7	3	4	30	2	3	106	11	3		352
sparrow sp.								4				225
McCown's Longspur												31
Lapland Longspur	70		27	21	550	16	37		35	9		11865
Smith Longspur								305				50
Chestnut-collared Longspur												40
longspur sp.												20
Red-winged Blackbird	2455	500	11	45905	5200		2093		657	500	805	2033586
Eastern Meadowlark				1			12	235	1	2	439	1505
Western Meadowlark		435		1	212	4	6		5	38	219	5583
meadowlark sp.	507		197	668		82	15	100	220	131		6619
Yellow-headed Blackbird					1			15			2	4
Rusty Blackbird	2			543	30		2			5		1152
Brewer's Blackbird				1424			1		20			7586
Common Grackle			20	415			2		146	1		6566
Great-tailed Grackle					10			1	48			1551
Brown-headed Cowbird	17			571	20				6	3		53298
blackbird sp.				375				2				66310
Purple Finch	10											123
House Finch	20	23	408	204	30	40	37		139	45	20	3669
Red Crossbill								58				2
Common Redpoll									1			2
Pine Siskin		5	2		4		7		6	2		374
American Goldfinch	46	54	159	697	10	22	88	15	87	311	7	6302
House Sparrow	156	565	575	466	375	350	112	240	579	198	345	20027
								118				
Total	9524	4597	12830	66358	8023	30143	5443	11423	27356	9470	5839	3380542
Species	69	49	66	88	40	50	71	69	88	72	48	