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### THE WINTER BIRD COUNT FOR 1992

Max C. Thompson

Last year the winter bird count of 1991 had the largest number of counts ever. It seems that another history-making year was recorded in 1992. Although the number of counts was down from 42 to 39 and the number of participants from 582 down to 482, the number of species recorded reached an all time record high of 156. Manhattan had the state high of 96 species and came very close to the century mark. An additional three birds were sighted during the count week in Manhattan. Three new birds were added to the Christmas count list for the state. A Pyrrhuloxia was seen on the Cimarron count in southwest Kansas. This is the second record for the state. This sighting was documented with photographs by Joanne Brier. An Indigo Bunting was seen on the Arkansas City count. The bird was flying with Harris' Sparrows and was seen at close range by the observers. Another first time record came from Lawrence where a Green-tailed Towhee was seen. Another Green-tailed Towhee was seen and photographed during the count week at Garden City.

Ducks invaded the state in record numbers. Some species that rarely occur on Christmas counts were present. The Northern Shoveler was recorded as was the Blue-winged Teal and Ruddy Duck. Several species were seen in record numbers. There were 70,829 Common Mergansers in the state along with 9,702 Common Goldeneye. Green-winged Teal which are usually in low numbers were counted with 1,715 individuals. Goose populations were present in high numbers with the Ross's Goose having 10 recorded.

Hawk and falcon numbers were down. However, the Northern Goshawk showed up on the Baldwin, Lawrence, Quivira and Webster counts. Winter freeze up in the northern US drove gulls further south. Herring Gull numbers were up from 374 in 1991 to 1,174 in 1992. Ring-billed Gull numbers were up from 15,910 in 1991 to 22,960 in 1992. One Glaucous-winged Gull was seen on the Waconda count. Three counts recorded Inca Doves: Dodge City (3), Garden City (3), and Liberal (1). Inca Doves were invading northward with records from North Dakota and Canada. Two Ring-necked Doves were seen in Topeka.

The cold and snowy weather to the north of Kansas drove Horned Larks into Kansas in high numbers. Sawyer counted 233,263 larks. Although other counts didn't approach this number, 272,371 were seen in the state. Black-billed Magpie counts were down by half from 1991 but appeared as far east as Manhattan, their first record in 44 years. Both Bushtits and Mountain Chickadees were recorded on the Cimarron count. For the second year in a row, the Red-breasted Nuthatch was wintering elsewhere, with only 31 recorded. The Carolina Wren continues to rebound back to its former numbers with a total of 425 recorded, including one at Elkhart (Cimarron count). Robins remained in the state in good numbers with Manhattan (6,110) recording over half of the state total. Manhattan also recorded one Bohemian Waxwing, their first count record.

Many stations reported low numbers of sparrows. However, some species remained in record numbers. The Field Sparrow that normally registers less than 75 had 330 recorded. Lark Buntings that are normally few in number in southwest Kansas came in with 372 individuals. White-crowned Sparrows which are not common wintering birds in eastern Kansas appeared in large numbers with 2614 individuals recorded. Although many counts reported fewer than normal Harris Sparrows, the total number in the state were actually above the 1991 counts. The Longspurs came down from the

north again this year. Sawyer recorded 877,335 Lapland Longspurs with a total of 956,654 being recorded from the entire state. Chestnut-collared Longspurs were found in good numbers around Liberal in the CRP grasslands. Total House Finch numbers dropped from 4,092 in 1992 to 3,316 in 1992. Northern Finches were few in number although Manhattan reported 1,606. The Udall-Winfield count struggled to find two Pine Siskins but had high numbers of American Goldfinches. Purple Finches were seen on few counts with 110 individuals and Red Crossbills were recorded on two counts with a total of 20.

Weather was generally good on all counts although the western part of the state had snow and some counts had difficulty getting around. Most counts reported temperatures ranging from 25°-40° F. Most streams and lakes were open.

**Arkansas City.** 37° 02'N, 97° 02'W. Center as described in 1978 at intersection U.S. Highway 77 and Arkansas River to include Arkansas River, Walnut River, Camp Horizon, Chaplin Nature Center. 27 December 1992, 7:30 a.m. to 5 p.m., 30° to 42°F. Wind NW 5-15 m.p.h.. Still water partly frozen, moving water open, a.m. clear, p.m. cloudy. Thirteen observers in 6 parties. Total party-hours 45 (17 on foot, 28 by car) plus 5 hrs owling. Total party-miles 296 (17 on foot, 279 by car) plus 76 miles owling. Total 72 species, about 9,825 individuals.

Wallace Champeny, Jack Dennett, Norma Dennett, John Hankins, Dan Larson, Mike Lesan, David Seibel, Eddie Stegall, Savilla Stegall, Max Thompson, Donald Vannoy (compiler — 2458 Coolidge, Wichita, KS 67204), Gerald Wiens, Gene Young.

**Baldwin.** 38° 47'N, 95° 16'W. Center as described in 1986 at junction Hwys. 56 and 59. 20 December 1992, 6 a.m. to 5 p.m., 15° to 30°F. Wind S 5-10 m.p.h.. Still water partly frozen, moving water open, a.m. clear, p.m. clear. Fourteen observers in 6 parties and 2 observers at feeders. Total party-hours 41 (8 on foot, 33 by car) plus 2 hrs at feeders and 2 hrs owling. Total party-miles 371 (10 on foot, 361 by car) plus 21 miles owling. Total 67 species (1 additional subspecies), about 8,870 individuals.

Genny Agin, Jan, Margaret, Roger Boyd (compiler — Biology Dept., Baker University, P. O. Box 65, Baldwin City, KS 66006), Tom Church, Calvin Cink, Lois Cromwell, Tony Ikenberry, Katharine Kelley, Barbara, David, Martin Pressgrove, Ruth Scott, Joyce and Ron Wolf.

**Baxter Springs.** 37° 10'N, 94° 50'W. Center Riverton, KS. Habitat coverage same as 1991. 24 December 1992, 7:15 a.m. to 4:45 p.m., 16° to 40°F. Wind 0 m.p.h.. Still water partly frozen, moving water open, a.m. clear, p.m. partly cloudy. Two observers in 1 party. Total party-hours 9.50 (7 on foot, 2.50 by car). Total party-miles 52 (2 on foot, 50 by car). Total 60 species, about 1,732 individuals.

James D. Rising (compiler — Dept. Zoology, University of Toronto, Toronto, Ontario, Canada M5S 1A1), John T. Rising.

**Byron Walker Wildlife Area.** 37° 36'N, 98° 16'W. Center all points within a 15 mile diameter of headquarters of the Byron Walker Wildlife Area. Elevation 1,570 to 1,747 feet. 3 January 1993, 7:30 a.m. to 5:30 p.m., 28° to 50°F. Wind S 8 m.p.h.. Still water frozen, moving water open, a.m. cloudy, p.m. partly cloudy. Six observers in 2 parties. Total party-hours 12 (3 on foot, 9 by car). Total party-miles 153 (2 on foot, 151 by car). Total 41 species, about 7,995 individuals. Additional species seen in count circle **count week** but **not** on count day — Bob White, Ring-billed Gull.

Wilma Hawkins, Troy Smith, Jane Queal, Lee Queal, Byron Walker (compiler — 235 West Copeland, Kingman, KS 67068), June Walker.

**Camp Naish, Wyandotte Co.** 39° 04'N, 94° 52'W. Center as described 1992 at corner of Sections 21, 22, 27 and 28, T11S, R23E. 22 December 1992, 6:30 a.m. to 5 p.m., 32° to 40°F. Wind NW 3 m.p.h. Still water open, moving water open, a.m. clear, p.m. partly cloudy. Twelve observers in 2 parties. Total party-hours 18 (16 on foot, 2 by car) plus 1 hr owling. Total party-miles 16 (12 on foot, 4 by car) plus 3 miles owling. Total 36 species, about 749 individuals.

Jake Hess, Ed Hubert, Margie Kinnersley, Ariane Kissam, Anitra Menning, David Reber, Stan Roth (compiler — Lawrence High School, 1901 Louisiana St., Lawrence, KS 66046-2938), Erin Shoulberg, Art Swalwell, Cody Welton, Nate Williams, Kate Worster.

**Cheyenne Bottoms Wildlife Area.** 38° 26'N, 98° 35'W to 38° 31'N, 98° 44'W. Center not circular. 21 December 1992, 8 a.m. to 12:30 p.m., 28° to 34°F. Wind 0-5 m.p.h. Snow 0-2 inches. Still water partly open, a.m. partly cloudy, p.m. partly cloudy. Nine observers in 5 parties and 2 observers at feeders. Total party-hours 13 (8 on foot, 5 by car) plus 0.25 hrs at feeders. Total party-miles 80 (7.5 on foot, 73.75 by car). Total 40 species, about 1,033 individuals. Additional species seen in count circle **count week** but **not** on count day — Loggerhead Shrike, Bob White, American Kestrel, Brewer's Blackbird.

Gene Bahr, Jim Barnes, Karl Grover, Don Halbower, Helen Hands (compiler), Larry Hesed, Laurie Hesed, Gordon Jones, Dean Steiner.

**Cimarron National Grassland.** 37° 07'N, 101° 52'W. Center as described in 1992. 2 January 1993, 8 a.m. to 6 p.m., 37° to 66°F. Wind NW 0-10 m.p.h. Still water partly open, a.m. partly clear, p.m. partly clear. Nine observers in 4 parties. Total party-hours 30 (9 on foot, 21 by car) plus 1 hr owling. Total party-miles 370 (12 on foot, 358 by car) plus 15 miles owling. Total 66 species, about 6,996 individuals. Additional species seen in count circle **count week** but **not** on count day — Short-eared Owl.

J. Garrett, E. Johnson, N. Johnson, D. LaShelle, S. Patti (compiler — 552 W. Belden Ave., Chicago, IL 60614), M. Rader, J. Raikstraw, L. Smith, M. Thompson.

**Dodge City.** 37° 46'N, 99° 58'W. Center as described in 1992 at St. Mary of the Plains College. 19 December 1992, 7:45 a.m. to 4:30 p.m., 26° to 29°F. Wind N 10-12 m.p.h. Snow 6 inches with drifts. Still water partly frozen, a.m. partly cloudy, foggy, light rain, p.m. partly clear. Ten observers in 4 parties plus 8 at feeders. Total party-hours 26 (.5 on foot, 25.5 by car) plus 38 hrs at feeders. Total party-miles 236 (.5 on foot, 235.5 by car). Total 43 species, about 10,910 individuals. Additional species seen in count circle **count week** but **not** on count day — Brown Creeper.

Margery Andrews, Joyce Davis, Jane Dunsford, Dick Dryden, Pat Dryden, Pat Flynn, Joleen Fromm (compiler — 2402 5th Ave., Dodge City, KS 67801), Doris Gurtner, Dale Hull, Lorene Kulbiski, Ted Mueller, Shirley Rumsey, Bea Schaffer, Donis Schmitt, Skip Stark, Shirley Vieux, Ryne Wilt, Judy Young.

**El Dorado Lake.** 37° 51'N, 96° 52'W. Center as described in 1990 near center of lake, 1 mile northeast of center of dam. 22 December 1992, 8 a.m. to 5 p.m., 26° to 46°F. Wind 5-15 m.p.h. Still water partly open, moving water open, a.m. clear, p.m. clear. Ten observers in 4 parties. Total party-hours 31.5 (10.5 on foot, 21 by car). Total party-miles 345 (10 on foot, 335 by car). Total 70 species, about 31,579 individuals. Additional species seen in count circle **count week** but **not** on count day — Peregrine Falcon.

Duane Andersen, Walker Butin, Beverly Dugay, Rick Goodrick, Pete Janzen (compiler — 3137 Mascot, Wichita, KS 67204), Bill Langley, Jean Roark, Miriam Roark, Don Vannoy, Ralph Wiley.

**Emporia.** 38° 27'N, 96° 05'W. Center as described 1985 one mile south of Lang. 20 December 1992, 7 a.m. to 5:30 p.m., 15° to 38°F. Wind SSW 0-3 m.p.h. Still water partly open, moving water partly open, a.m. clear, p.m. clear. Nineteen observers in 9 parties. Total party-hours and party-miles not reported. Total 94 species, about 28,345 individuals. Additional species seen on count circle **count week** but **not** on count day — Ross' Goose, White-winged Scoter.

Laura Dodge, Roger and Sherry Ferguson, Lloyd Fox, Hugh Hanson, Jerry Horak, Brandon, Brian, and Marvin Kuehn, Wes Matson, Karl May, Paul McKnab, Margaret Ptacek, David and Sandy Saunders, Jean Schulenberg (compiler — Route 2, Box 36, Admire, KS 66830), Marvin Schwilling, Dena and Kathleen Tabor.

**Garden City.** 37° 55'N, 100° 47'W. Center as described 1991 four miles SE of junction of U.S. Hwy. 83 and U.S. Hwy. 50. 3 January 1993, 7:45 a.m. to 5:15 p.m., 24° to 38°F. Wind a.m. SSW 10 m.p.h., p.m. N 15 m.p.h. Snow 1 inch to 3 foot drifts, ground mostly covered. Moving water open, a.m. cloudy, p.m. cloudy, foggy. Ten observers in 7 parties and 7 observers at feeders. Total party-hours 31.25 (5.75 on foot, 25.5 by car) plus 14 hrs at feeders. Total party-miles 208.5 (5.75 on foot, 202.75 by car). Total 61 species, about 18,731 individuals. Additional species seen in count circle **count week** but **not** on count day — Green-tail Towhee, Yellow-rumped Warbler, Townsend's Solitaire, Prairie Falcon.

Dan Baffa, Barbara Campbell, Cathy Fenton, Ron Jameson, Ross Jameson, Virginia Long, Ron Mead, Art Nonhof, Marie Osterbuhr (compiler — 1103 Gillespie Place, Garden City, KS 66846), Betty Rich, Leonard Rich, Emaline Scott, Jess Scott, Sara Shane, Tom Shane.

**Halstead-Newton.** 38° 04'N, 97° 28'W. Center as described in 1972 5.75 miles northeast of Halstead. 19 December 1992, 7 a.m. to 5:30 p.m., 30° to 36°F. Wind N 0-10 m.p.h. Still water partly open, moving water open, a.m. cloudy, p.m. mostly cloudy. Twenty-two observers in 6 parties. Total party-hours 51.25 (21 on foot, 30.25 by car). Total party-miles 356.25 (24.25 on foot, 332 by car). Total 63 species, about 13,266 individuals.

Andy Brown, Bob Dester, Beverly DuGay, Stan Epp, Gregg Friesen, Rose Fritz, Lorna Harder, Allen Jahn, Jim Jantzen, Paul Jantzen, Al Neufeld, Jason Neufeld, Hans Penner, Dwight Platt (compiler — 702 NE 24th St., Newton, KS 67114), Mitchell Ratley, Bob Regier, Richard Schmidt, Robert Schmidt, Carolyn Schwab, Joe Soukup, Jim Storer, John Torline.

**Hays.** 38° 47'N, 99° 23'W. Center as described in 1985 3.5 mi S, 4 mi W of Hays. 19 December 1992, 8 a.m. to 5:30 p.m., 15° to 29°F. Wind NW 0-10 m.p.h. Snow 0-6 inches. Still water partly open, moving water partly frozen, a.m. cloudy, p.m. cloudy. Six observers in 3 parties plus 6 at feeders. Total party-hours 15 (8 on foot, 7 by car) plus 12 hrs at feeders. Total party-miles 169 (6 on foot, 163 by car). Total 50 species, about 9,109 individuals.

Earl Carlson, Donna Cooper (compiler — 2906 Walnut, Hays, KS 67601), Mark Cooper, Charles Ely, Katherine Mermis, A. L. Steele.

**Hillsdale Lake.** 38° 37'N, 94° 52'W. Center as described in 1991 at Hillsdale Lake area. 9 January 1993, 8 a.m. to 12 p.m., 21° to 23°F. Wind 20-22 m.p.h. Snow 2-4 inches and snowing. Still water partly open, moving water open, a.m. cloudy with heavy snow, p.m. cloudy with heavy snow. Two observers in 1 party. Total party-hours 4.5 (4.5 by car) plus 2 hrs at feeders and 1 hr owling. Total party-miles 36 (36 by car) plus 5 miles owling. Total 29 species, about 1,162 individuals. Additional species seen in count circle **count week** but **not** on count day — House Finch, Mourning Dove.

Jim Bell (compiler — 26000 W. 255th St., Paola, KS 66071), Cindy Heckman, Art Swalwell.

**Junction City.** 39° 00'N, 96° 53'W. Center as described 1992 at I-70 roadside rest area west of Junction City. 27 December 1992, 6 a.m. to 5:30 p.m., 26° to 49°F. Wind SSW 5-26 m.p.h. Still water partly frozen, moving water open, a.m. clear, p.m. clear. Sixteen observers in 7 parties plus 2 at feeders. Total party-hours 49 (18 on foot, 31 by car) plus 4 hrs at feeders and 4 hrs owling. Total party-miles 353 (23 on foot, 330 by car) and 80 miles owling. Total 79 species, about 6,723 individuals. Additional species seen on count circle **count week** but **not** on count day — Snow Goose, Green-winged Teal, American Black Duck, Northern Pintail, Ruddy Duck, Prairie Falcon, Wild Turkey, Glaucous Gull, Mourning Dove, Long-eared Owl, Northern Shrike, Field Sparrow.

Brent Brock, Stacey Cooke, Bev DuGay, Chod Hedinger, Don Hettinger, Shirley Hettinger, Bob Kruger, Dan LaShelle, Chuck Otte (compiler — 613 Tamerisk, Junction City, KS 66441), Guy Smith, Ken Visser, Bob Waters, Clarence Waters, Mrs. Clarence Waters, Jim Waters, Steven Waters.

**Kirwin Reservoir.** 39° 42'N, 99° 08'W. Center as described 1992 1 mi north of Kirwin. 26 December 1992, 7 a.m. to 5:30 p.m., 20° to 42°F. Wind S 5-25 m.p.h. Snow 2-4 inches. Still water partly frozen, moving water partly frozen, a.m. clear, p.m. clear. Six observers in 2 parties. Total party-hours 17 (4 on foot, 13 by car) plus 1.5 hrs owling. Total party-miles 209 (4 on foot, 205 by car) plus 12 miles owling. Total 58 species, about 22,582 individuals. Additional species seen in count circle **count week** but **not** on count day — Prairie Falcon.

Byron Grauerholz, Ellen Rader, Mike Rader (compiler — Box 395, Wilson, KS 67490), Shannon Rothchild, Richard Rucker, Bruce Schoonover.

**Lawrence.** 39° 00'N, 95° 18'W. Center 1.5 miles N and 2.7 miles W of Junction of US 40 and US 59, to include Clinton Lake, Lecompton, Perry, the Fitch Natural History Reservation, and Baker Wetlands. 19 December 1992, 5:45 a.m. to 6:15 p.m., 30° to 34°F. Wind N 12 m.p.h. Still water open, moving water open, a.m. cloudy, p.m. partly cloudy. Thirty-three observers in 12 parties plus 2 at feeders. Total party-hours 105 (38.5 on foot, 66.5 by car) plus 2.5 hrs at feeders and 8 hrs owling. Total party-miles 661 (36 on foot, 625 by car) plus 64 miles owling. Total 87 species, about 35,452 individuals. Additional species seen in count circle **count week** but **not** on count day — Golden-crowned Sparrow.

Genny Agin, Mary Allen, Bob Antonio, Mike Beck, Roger Boyd, Cal Cink, Jan Conrad, Elaine Corder, Mark Corder, Wayne Dickerson, Ruth Fauhl, Patty Field, Lin Frederickson, David Herrin, Chris Hobbs, Judee Johnsen, Galen Pittman (compiler — 12042 258th St., Lawrence, KS 66044), Stan Roth, Richard Rucker, John Sachse, John Schukman, David Seibel, Dawn Sharp, Cynthia Shaw, Ed Shaw, Marshall Tidwell, Margaret Wedge, Phil Wedge, Larry Werner, Nate Williams, Pam Wilson, Joyce Wolf, Ron Wolf.

**Leavenworth-Atchison.** 39° 23'N, 95° 00'W. Center as described in 1992 SW corner, Sec. 31, T7S, R22E, Leavenworth Co. 10 January 1993, 7:30 a.m. to 4 p.m., 12° to 24°F. Wind NE 10 m.p.h. Snow 10 inches. Still water frozen, moving water partly open, a.m. partly clear, p.m. cloudy. Eight observers in 3 parties. Total party-hours 20.5 (2 on foot, 18.5 by car). Total party-miles 244 (2 on foot, 242 by car). Total 57 species, about 16,688 individuals. Additional species seen in count circle **count week** but **not** on count day — Great Horned Owl, Barred Owl, Yellow-bellied Sapsucker, Winter Wren.

Tony Andresen, Byron Berger, Dave Bryan, Sr. Susan Chase, Galen Pittman, John Schukman (compiler — 14207 Robin Road, Leavenworth, KS 66048), Sr. Patricia Stanley, Mike Whited.

**Liberal/Seward County.** 37° 08'N, 100° 50'W. Center as described 1992. 1 January 1993, 8 a.m. to 5 p.m., 18° to 20°F. Wind SE 5-15 m.p.h. Still water frozen, moving water open, a.m. cloudy, p.m. cloudy, light rain/snow. Four observers in 2 parties. Total party-hours 15 (5 on foot, 10 by car) plus 1.5 hrs owling. Total party-miles 130 (10 on foot, 120 by car) and 1.5 miles owling. Total 68 species, about 92,543 individuals.

R. Kenney, M. Rader, S. Patti (compiler — 552 W. Belden Ave., Chicago, IL 60614), M. Thompson.

**Linn County.** 38° 17'N, 94° 45'W. Center as described 1982 at SW corner Unit G, Marais des Cygnes Wildlife Area. 23 December 1992, 7 a.m. to 5 p.m., 28° to 40°F. Wind NW 10-15 m.p.h. Still water partly frozen, moving water open, a.m. clear, p.m. cloudy. Seven observers in 4 parties. Total party-hours 31 (1 on foot, 30 by car) plus 1 hr owling. Total party-miles 285 (1 on foot, 284 by car) plus 9 miles owling. Total 84 species, about 30,570 individuals.

Roger Boyd, (compiler — Biology Dept., Baker University, P. O. Box 65, Baldwin City, KS 66606), Bill Busby, Steve Crawford, Ruth Fauhl, Dean Goodell, Dan LaShelle, Galen Pittman.

**Manhattan.** 39° 11'N, 96° 34'W. Center as described in 1992 at Anderson Hall, Kansas State University campus. 19 December 1992, 5 a.m. to 5:30 p.m., 34° to 28°F. Wind NE-NW 0-10 m.p.h. Still water partly frozen, moving water open, a.m. cloudy, p.m. partly cloudy. Seventy-three observers in 17 parties plus 2 at feeders. Total party-hours 167 (97 on foot, 70 by car) plus 6 hrs at feeders and 2 hrs owling. Total party-miles 618 (108 on foot, 510 by car) plus 30 miles owling. Total 96 species, about 41,753 individuals. Additional species seen in count circle **count week** but **not** on count day — American White Pelican, Thayer's Gull, Glaucous Gull.

Asim B. Abdel-Mageed, Jan Allen, David Allison, Chris Anderson, Deb Beutler, Carla Bishop, Bob Bowden, Brent Brock, Melissa Brown, Doris Burnett, Eric and Ted Cable, Lisa Cole, Wayne Corn, Brock Dale, Michael Donnelly, Brad Elder, Don and Irmie Fallon, Kevin Fay, Clyde Ferguson, Elmer and LaVonne Finck, Angel and Nate Folland, Fred and Pat Friggian, Buddy Gray, Leanne Harrell, Chod Hedinger, Jack Holl, Irene Johnson, Steve Johnson, Richard Kazmaier, Dale Kennedy, Duane Kerr, Ron Klataske, David Klute, Jim Koelliker, Ken Larkins, Shelia Lyons, Bobbi and Jim Mayhew, Fred Mikesell, Barry Mitchie, Marge Muenzenberg, Jack and Sally Oviatt, Larry Patton, Celine Perchellet, Thad Pittinger, Diane Post, Mike Rader, Amy and David Rintoul, Phoebe Samelson, Sara and Tom Shane, Abbie Siddall, Andy and Guy Smith, Chris Smith, Margie and Ron Stewart, Michael Strobe, Michael Thomas, Dana, Daniel, Harvard, Michael and Sarah Townsend, Paul Weidhaas, Doug White, Jan and John Zimmerman (compiler — Div. Biology, Ackert Hall, Manhattan, KS 66506).

**Meade County.** 37° 15'N, 100° 20'W. Center as described in 1992 1.5 miles South of Meade, KS on U.S. Highway 83. 31 December 1992, 7:30 a.m. to 5 p.m., 2° to 10°F. Wind N 15 m.p.h. Snow 10 inches (patchy — 80% cover). Still water frozen, moving water partly open, a.m. partly cloudy, p.m. partly cloudy. Three observers in 2 parties plus 5 at feeders. Total party-hours 11.5 (8.5 on foot, 2 by car) plus 9 hrs at feeders. Total party-miles 150 (5 on foot, 145 by car). Total 56 species, about 9,662 individuals. Additional species seen in count circle **count week** but **not** on count day — Carolina Chickadee (banded), Roadrunner, Redhead, Grackle, Northern Bobwhite.

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

**Olathe.** 38° 55'N, 94° 51'W. Center as described 1992 at K-7 Hwy and 119th St. 1 January 1993, 4 a.m. to 5 p.m., 4° to 28°F. Wind S 15 m.p.h. Still water partly open, moving water partly open, a.m. clear, p.m. clear. Nine observers in 4 parties plus 14 at feeders. Total party-hours 20 (5 on foot, 15 by car) plus 10 hrs at feeders and 3 hrs owling. Total party-miles 182 (3 on foot, 179 by car) and 30 miles owling. Total 56 species, about 7,548 individuals. Additional species seen in count circle **count week** but **not** on count day — Yellow-bellied Sapsucker.

Roger Boyd, Jan Boyd, Steve Case, Steve Crawford (compiler — 529 N. Curtis, Olathe, KS 66061), Bill Crawford, George Creighton, Richard Parker, Brad Williamson, Carol Williamson, Scott Williamson.

**Olsburg.** 39° 25'N, 96° 39'W. Center as described 1992 at 1.5 mi West of Olsburg on K-16. 29 December 1992, 8 a.m. to 5 p.m., 25° to 35°F. Wind N 10-15 m.p.h. Still water partly frozen, moving water open, a.m. light rain, p.m. light rain. Nine observers in 3-5 parties plus 3 at feeders. Total party-hours 28.5 (14.5 on foot, 14 by car) plus 6 hrs at feeders. Total party-miles 243.5 (14.5 on foot, 229 by car). Total 67 species, about 7,048 individuals. Additional species seen in count circle **count week** but **not** on count day — Loggerhead Shrike, Wood Duck.

Brent Brock, Mike Donnelly, Marion Gray, Irene Johnson, Jim Mayhew, Gary Radke, Dave Rintoul (compiler — Biology Div., Ackert Hall, Kansas State University, Manhattan, KS 66506-4901), Paul Weidhaas, John Zimmerman.

**Oskaloosa/Perry Lake.** 39° 12'N, 95° 24'W. Center as described in 1978 at entrance to Boy Scout Camp Jayhawk at the NE corner of Section 9, T10S, R18E, Jefferson County. 20 December 1992, 5:40 a.m. to 5:30 p.m., 16° to 38°F. Wind 0-15 m.p.h. Still water partly open, moving water open, a.m. clear, p.m. partly cloudy. Seventeen observers in 6 parties. Total party-hours 62 (16 on foot, 46 by car) plus 4 hrs owling. Total party-miles 394.5 (15.5 on foot, 379 by car) plus 14 miles owling. Total 85 species, about 55,043 individuals. Additional species seen in count circle **count week** but **not** on count day — Common Black-headed Gull.

Mary Allen, Wayne Dickerson, Shirley Dinkel, Ruth Fauhl, Patty Field, Bob Fisher, Lin Fredericksen, Maxey Irwin, Jennifer Jones, Glen Koontz, Mick McHugh, Lloyd Moore, Galen Pittman, Richard Rucker (compiler — 121 East 17th St., Lawrence, KS 66044-4233), Dawn Sharp, Roseanne Smith, Phil Wedge.

**Pomona Lake.** 38° 41'N, 95° 41'W. Center as described in 1991 at intersection of U.S. 74 and Dragoon Creek. 9 January 1993, 8:20 a.m. to 3:20 p.m., 21° to 23°F. Wind NE 7-18 m.p.h. Snow 8 inches. Still water frozen, moving water frozen, a.m. heavy snow, p.m. heavy snow. Five observers in 2 parties. Total party-hours 10 (3 on foot, 6.75 by car) plus .25 hr at feeders. Total party-miles 79.1 (3.5 on foot, 75.6 by car). Total 43 species, about 1,601 individuals. Additional species seen in count circle **count week** but **not** on count day — Bald Eagle, Ring-billed Gull, Herring Gull, Mallard, Wild Turkey, Northern Mockingbird, Canada Goose.

Wayne Dickerson, Patty Field, Dean Grisell, Dan Larson, Bunnie Watkins (compiler — 3212 W. 24th St. Terrace, Lawrence, KS 66047).

**Quivira National Wildlife Refuge.** 38° 09'N, 98° 29'W. Center as described in 1972 at Refuge subheadquarters. 18 December 1992, 7:30 a.m. to 4:30 p.m., 30° to 35°F. Wind N-NW 10-15 m.p.h. Snow 1-3 inches. Twelve observers in 3 parties. Total party-hours 22.5 (5.5 on foot, 17 by car). Total party-miles 178 (6 on foot, 172 by car). Total 78 species, about 22,704 individuals.

Deborah Beutler, Brent Brock, Wallace Champeny, Gregg Frieser, Rick Goodrick, Marion Gray, Pete Janzen, Michael Lesar, Mike Rader, David Rintoul, Donald Vannoy, John Zimmerman, Breidi Zinn (compiler — c/o Quivira NWR, R.R. 3, Box 48A, Stafford, KS 67578).

**Salina.** 38° 50'N, 97° 38'W. Center as described 1991 at State St. Rd. one mile West of Ninth St. in Salina, KS. 19 December 1992, 7:30 a.m. to 5:30 p.m., 29° to 33°F. Wind S 10-18 m.p.h. Still water open, moving water open, a.m. cloudy, p.m. partly cloudy. Fourteen observers in 3 parties. Total party-hours 27 (9.5 on foot, 17.5 by car). Total party-miles 261 (9 on foot, 252 by car). Total 51 species, about 8,011 individuals. Additional species seen in count circle **count week** but **not** on count day — Mourning Dove, Golden-crowned Kinglet.

Cheryl Balaun, David and Nancy Clark, Brian Hart, David and Kevin Haight, Ryan Lafferty, Harold (compiler — 612 Max Ave., Salina, KS 67401) and Virginia Lear, Charles and Ivy Marsh, Jason Pierce, Shannon Rayl, Sister Monica Schneider.

**Sawyer.** 37° 32'N, 98° 41'W. Center as described 1992 at 2 mi North, 1 mi West Junction U.S. 281 and K42 (at SE Corner, Sec. 11, T29S, R31W, Pratt Co.). 19 December 1992, 8 a.m. to 5:30 p.m., 15° to 35°F. Wind N 10-12 m.p.h., snow 3-6 inches. Still water frozen, moving water open, a.m. cloudy, p.m. partly cloudy. Eleven observers in 3 parties. Total party-hours 24 (13.5 on foot, 12 by car). Total party-miles 143 (8 on foot, 135 by car). Total 63 species, about 1,118,642 individuals. Additional species seen in count circle **count week** but **not** on count day — Greater Roadrunner.

Kevin Becker, Ken Brunson, Bob Hartmann, Joyce Hartmann, Bill Hlavachick, Mark Kumberg, Carol Mammoliti, Kirk Mammoliti, Damien Miller, Jane Queal, Bob Wood (compiler — 502 Commodore, Pratt, KS 67124).

**Scott Lake.** 38° 35'N, 100° 56'W. Center as described in 1988 at 7 mi North Junction U.S. 83 and K96. 10 January 1993, 7:50 a.m. to 4:50 p.m., 0° to 15°F. Wind E 2 m.p.h., 18 inches snow. Still water frozen, moving water partly open, a.m. cloudy with light snow, p.m. partly cloudy. Three observers in 1 party plus 2 at feeders. Total party-hours 9 (5 on foot, 4 by car) plus 11 hrs at feeders. Total party-miles 70 (2 on foot, 68 by car). Total 55 species, about 5,698 individuals. Additional species seen in count circle **count week** but **not** on count day — Golden Eagle, Yellow-bellied Sapsucker.

Marie Osterbuhr, Leonard Rich, Kay Sims, Tom Shane (compiler — 1706 Belmont, Garden City, KS 67846), Sally Whitson.

**Southeast Kansas Mined Land.** 37° 14'N, 94° 58'W. Center as described in 1992 at Cherokee Co., center of Sec. 26, Range 22E, Township 32S. This is the West Mineral Unit of the KDWP Mined Land Wildlife Area. 1 January 1993, 7:15 a.m. to 4:30 p.m., 13° to 20°F. Wind N 5-10 m.p.h. Still water open, moving water open, a.m. partly cloudy, p.m. partly cloudy. Twelve observers in 6 parties. Total party-hours 36.75 (6.75 on foot, 30 by car). Total party-miles 294.5 (6.5 on foot, 288 by car). Total 62 species, about 9,742 individuals.

Robert Andrews, Mavis Benner, Raymon Benner, Bill Brewer, Pamela Cress, Steven Ford (compiler — Biology Dept., Pittsburg State Univ., Pittsburg, KS 66762), Larry Herbert, Elizabeth Mangile, Robert Mangile, Lou Milks, Paul Milks, Chuck Spellman.

**Topeka.** 39° 02'N, 98° 40'W. Center as described in 1972 at State Capitol. 19 December 1992, 7 a.m. to 5 p.m., 33° to 29°F. Wind N 10-15 m.p.h. Still water partly frozen, moving water open, a.m. cloudy, p.m. cloudy. Twenty-nine observers in 11 parties plus 13 at feeders. Total party-hours 78.5 (36 on foot, 42.5 by car) plus 65 hrs at feeders and 2 hrs owling. Total party-miles 426.25 (44.25 on foot, 382 by car) plus 3.5 miles owling. Total 78 species, about 11,916 individuals. Additional species seen in count circle **count week** but **not** on count day — White Pelican, Merlin, Brewer's Blackbird, Evening Grosbeak.

Cynthia Abbott, Virgil Basgall, Maggie Beers, Marty Birrell, Jim Brier, Joanne Brier (compiler — 1822 Westwood Drive, Topeka, KS 66604-3280), Scott Campbell, Nancy Cole, Walter Cole, Arline Delker, Ed Dennis, Marge Dennis, John Frey, Dan Gish, Dean Grisell, Gladys Grisell, Gary Haden, Gwen Haegert, Dorothy Harvey, Judy Hedden, Phyllis Henney, Patsy Hodges, Peggy Howard, Maxey Irwin, Scotty Johnson, Glen Koontz, Mamie Koontz, Dan Larson, Bob Lawson, Robert Miller, Susan Miller, Judy Rasmussen, Phil Stallard, Pat Stein, Donna Vausbinder, Joyce Volmut, Grace White, Eugene Willett, Georgene Wilhelm, Lil Willis, Paul Willis, Wanda Wilson.

**Udall-Winfield.** 37° 16'N, 96° 59'W. Center as described 1989 at water tower at Winfield State Training School. 20 December 1992, 8 a.m. to 5 p.m., 19° to 35°F. Wind calm. Still water open, moving water open, a.m. clear, p.m. clear. Sixteen observers in 5 parties plus 1 at feeders. Total party-hours 45 (11 on foot, 34 by car) plus 8 hrs at feeders and 4 hrs owling. Total party-miles 354 (11 on foot, 343 by car) plus 74 miles owling. Total 86 species, about 23,760 individuals.



Betty and Duane Anderson, Terry Barnett, Wallace Champeny, Britt Ford, Janet Laws, Claudia Lawson, Michael Lesan, Dale Randall, Eddie Stegall, Max Thompson (compiler — 1729 E. 11th St., Winfield, KS 67156), Donald Vannoy, Gerald Wiens, Donna Wilt, Bob Wimmer, Gene Young, Greg Zuck.

**Waconda Lake.** 39° 28'N, 98° 22'W. Center as described 1992 at 3 mi South and 4 mi East of Cawker City. 23 December 1992, 7:30 a.m. to 4:30 p.m., 15° to 34°F. Wind NNW 10-25 m.p.h. Snow 1-2 inches. Still water partly frozen, moving water partly frozen, a.m. clear, p.m. clear. One observer in 1 party. Total party-hours 9 (2 on foot, 7 by car). Total party-miles 139 (2 on foot, 137 by car). Total 65 species, about 53,046 individuals. Additional species seen in count circle **count week** but **not** on count day — Ruddy Duck.

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

**Wakefield.** 39° 13'N, 96° 58'W. Center at intersection of K-82 and Clay Co. Rd. 859. 20 December 1992, 5 a.m. to 4:55 p.m., 15° to 38°F. Wind S-SW 0-16 m.p.h. Still water partly frozen, moving water partly frozen, a.m. clear, p.m. clear. Seven observers in 2 parties plus 2 at feeders. Total party-hours 16 (3 on foot, 13 by car) plus 1 hr at feeders and 2 hrs owling. Total party-miles 151 (4 on foot, 147 by car) and 30 miles owling. Total 70 species, about 15,185 individuals. Additional species seen in count circle **count week** but **not** on count day — Great Blue Heron, Greater White-fronted Goose, American Black Duck, Northern Bobwhite, Black-billed Magpie, Tufted Titmouse, Field Sparrow.

Dorris Burnett, Chod Hedinger, Dan LaShelle, Jim Mayhew, Chuck Otte (compiler — 613 Tamerisk, Junction City, KS 66441), Mike Rader, Barb Stevens.

**Webster Reservoir.** 39° 25'N, 99° 24'W. Center as described in 1992 at 1.5 mi North and 1 mi East of Webster Dam on U.S. 24 Highway. 27 December 1992, 7:20 a.m. to 4:20 p.m., 21° to 45°F. Wind SSE 5-10 m.p.h. Snow 2-4 inches. Still water partly frozen, moving water partly frozen, a.m. clear, p.m. clear. Two observers in 1 party. Total party-hours 9 (2 on foot, 7 by car). Total party-miles 108 (2 on foot, 106 by car). Total 60 species, about 10,394 individuals.

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

**Wichita.** 37° 41'N, 97° 20'W. Center as described in 1955 at center confluence of Arkansas and Little Arkansas Rivers. 19 December 1992, 8 a.m. to 5 p.m., 33° to 30°F. Wind N 5 m.p.h. Still water open, moving water open, a.m. partly cloudy, p.m. partly clear. Fifteen observers in 4 parties. Total party-hours 36 (18 on foot, 18 by car) plus 4 hrs at feeders. Total party-miles 263 (25 on foot, 238 by car). Total 82 species, about 26,367 individuals.

Roy Beckemeyer, Deb Cave, Wallace Champeny (compiler — R.R. 1, Oxford, KS 67119), Rick Goodrick, Bob Gress, John Hankins, Mike Lesan, Jean Roark, Miriam Roark, Eddie Stegall, Savilla Stegall, Tammy Troutman, Donald Vannoy, Art Weigand, Gerald Wiens.

**Wilson Reservoir.** 38° 56'N, 98° 34'W. Center as described 1992 at northernmost point of Minooka Park (6 mi NNE of Dorrance). 22 December 1992, 7:30 a.m. to 5 p.m., 24° to 42°F. Wind W 5-15 m.p.h. Snow 1-2 inches. Still water partly frozen, moving water partly frozen, a.m. clear, p.m. clear. Five observers in 4 parties. Total party-hours 25 (6 on foot, 19 by car). Total party-miles 300 (5 on foot, 295 by car). Total 67 species, about 30,408 individuals. Additional species seen in count circle **count week** but **not** on count day — Northern Bobwhite, Black-billed Magpie.

Jean Piland, Jim Piland, Mike Rader (compiler — Box 395, Wilson, KS 67490), Michael Zajic, Bruce Zamrzla.

**Yoder.** 37° 75'N, 97° 60'W. Center as described 1992 at 3 mi South of Yoder, KS, at junction of county roads. 19 December 1992, 7 a.m. to 5 p.m., 31° to 30°F. Wind N 15 m.p.h. Still water partly frozen, moving water open, a.m. partly clear (snow very light and brief), p.m. cloudy. Twenty-one observers in 8 parties. Total party-hours 37.5 (13 on foot, 24.5 by car). Total party-miles 237.5 (17 on foot, 220.5 by car). Total 45 species, about 7,999 individuals.

Levi Beaver, Mary Clark, Lorena Combs, Bill Davis, Kris Davis, Louise Davis, Dan Dyck, Edward Dyck, Heidi Dyck, Jennifer Dyck, Linda Dyck, Marilla Dyck, Allen Harrison, Wayne Hochstetler, Steven Kinser, Brian Miller, Verna Miller, Jean Muncrief, Jim Smith (compiler — 3002 East 30th, Hutchinson, KS 67502), Elwyn Taylor, Lucille Taylor, Marcalee Webb.

### BOOK REVIEW

**“Oklahoma Bird Life” by Frederick M. Baumgartner and A. Marguerite Baumgartner, University of Oklahoma Press, 1992, 532 pages, 51 color plates, 58 line drawings, 154 black-and-white photographs, three maps, appendices, bibliography, index, \$49.95.**

Geared toward the general reader the first few chapters in Part One provide information on the history of ornithology in Oklahoma, seasonal and regional distributions of birds, and the ecology of Oklahoma bird life. The chapter on ecology is nicely done and gives the reader an introduction to the main flowering plants of the state, biotic associations in the state, and the species of birds likely to be found in them. Several black-and-white photographs help illustrate the more common associations. Additional chapters provide advice on attracting birds and bird study. These chapters are of little interest for the professional and experienced bird watcher, however they should be informative to the beginning bird watcher. Remaining chapters on Christmas Bird Counts and Breeding Bird Surveys summarizes data for the state. The Banding Chapter, especially, Tables 9-11 (pp 40-41) provide longevity and banding data on commonly banded species and should be useful to banders.

Species accounts are somewhat out-dated since they only provide records through 1986. The “family descriptions” are fairly detailed and the “other names” provide some interesting and unusual colloquialisms. The “occurrence in regions” provides references, but it could have been more detailed. Comparisons of the avifauna in surrounding states and more detailed species accounts would have made this invaluable. Personal recollections at the end of the accounts may be enjoyed by the general reader, but are of little use to the professional. Some of these stories can be entertaining and most bird watchers will recall similar circumstances.

Appendix A provides excellent data on stragglers. In fact, often times, more detail seems to have been given to straggler accounts than the regular species accounts (i.e. county records and specific dates). Other appendices provide information on extinct and extirpated species from Oklahoma, foreign recoveries of banded birds, bird organizations and conservation agencies, and a recommended reading section that should be helpful to those just getting acquainted with birds. Appendix C, a key to common bird nests, is unique for this type of book and should be of use for both the professional and amateur alike.

Most of the photographs are of good quality and color plates provide a pleasing break from the text. Caution should be used if one wishes to use the plates for identification purposes. Some of the colors are much too “strong”, or not “natural” (Plate 4 Snow Goose, blue-phase, and Plate 12, Raptors II), and certain shapes of birds are not typical (Plate 18, Pectoral Sandpiper and Baird’s Sandpiper) and could confuse the beginning bird watcher. This book should be on the shelf of anyone interested in starting out in bird watching and provides enough information for the professional ornithologist. The addition of color plates adds to the price of the book, thus it is slightly expensive.

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SPECIES	Arkansas City	Baldwin	Baxter Springs	Byron Walker	Camp Naish	Cheyenne Bottoms	Cimarron	Dodge City	El Dorado	Emporia	Garden City	Halstead- Newton	Hays
Common Loon			2										
Pied-billed Grebe	2												
Horned Grebe			2										
Eared Grebe													
Western Grebe													
White Pelican													
Double-crested Cormorant									9	1			
Great Blue Heron	21	2	4	4		1			6	15		5	
Greater White-fronted Goose									1	7			
Snow Goose													
White morph									8	584			
Blue morph													
Ross's Goose													
Canada Goose	75	179	1	750	97	85		41	4495	1663	6	94	
Wood Duck			3								35		
Green-winged Teal			2							1213	75		
American Black Duck										2			
Mallard	38	10	188	68	6			129	312	1229	716	36	1
Blue-winged Teal													
Northern Pintail										16			
Northern Shoveler			55							23			
Gadwall		5	50							26			
American Wigeon									4	5			
Canvasback										13			
Redhead							2			18			
Ring-necked Duck			1							26			
Lesser Scaup										27			
Oldsquaw													
White-winged Scoter													
Common Goldeneye	7	19	90			4			172	887			
Bufflehead		10	12						4	20			
Hooded Merganser		23							7				
Common Merganser	65	19		2					17000	44			
Red-breasted Merganser													
Ruddy Duck										32			
duck sp.													
Bald Eagle	28			2		4			15	1	4	1	
Northern Harrier	29	6		7		14	17	3	42	65	39	17	1
Sharp-shinned Hawk	5	2		2			2	1		3	3	1	1
Cooper's Hawk	2	1	1		1		1			3	1		
Northern Goshawk		1											
Accipiter sp.													
Red-shouldered Hawk													
Red-tailed Hawk	85	90	28	14	3	15	8	8	75	123	37	57	6
Red-tailed (Harlan's)	1								1	3			
Ferruginous Hawk							15	1			23		3
Rough-legged Hawk						8	3	3	14	15	20	1	
Buteo sp.						10		2	1		6	3	
Golden Eagle							1						
American Kestrel	30	32	5	12			12	5	24	22	16	32	5
Merlin	1						16				1		1
Peregrine Falcon									1				
Prairie Falcon	1					1	2		4	1	2	2	3
Ring-necked Pheasant	11			2		5	3	8		9	124	7	1
Greater Prairie Chicken								8	10	48			
Lesser Prairie Chicken							21				6		
Wild Turkey		1					5		45	49		164	
Northern Bobwhite	16	17	4		25				45	159	104	70	
Scaled Quail							11				9		
American Coot									1				
Sandhill Crane													
Killdeer													
Common Snipe												1	
Ring-billed Gull	39	4	8		3				3486	4604			
California Gull													
Herring Gull			1						81	6			
Thayer's Gull													
Glaucous Gull													
Bonaparte's Gull										12			
Larus sp.													
Rock Dove	83	70	28	6	10		39	161	74	3651	301	224	120
Mourning Dove	33	64	2		3		22		6	4	2	17	3
Inca Dove								3			3		
Ring-necked Dove													
Barn Owl	1						2						
Eastern Screech-Owl	29	5					1			8		2	
Great Horned Owl	16	14	1	1		1	12		2	9	6	6	4
Snowy Owl													
Long-eared Owl							1			2			1
Short-eared Owl													1
Burrowing Owl							3						
Barred Owl	7	4			1				2	2			
Belted Kingfisher	6		1	2					3	4		3	1
Red-headed Woodpecker	19	18	15		10				1	19			
Red-bellied Woodpecker	96	49	12	4	16	4			18	47	1	33	4
Yellow-bellied Sapsucker	2	1					2			4	1	2	1

SPECIES	Arkansas City	Baldwin	Baxter Springs	Byron Walker	Camp Naish	Cheyenne Bottoms	Cimarron	Dodge City	El Dorado	Emporia	Garden City	Halstead-Newton	Hays
Downy Woodpecker	77	41	5	5	16	5	3	2	29	45	6	40	12
Hairy Woodpecker	10	3	1		5	2	2	3	2	7	3	4	3
Ladder-backed Woodpecker							9						
Northern Flicker	50	2			6	83	30		7		9	24	1
Yellow-shafted	14	32	13	17	4		9	16	13	73	1	26	7
Red-shafted	1			2			7	2	1	6	13	5	4
Pileated Woodpecker	4		2										
Horned Lark	85	172	3	157			3789	3296	66	195	814	949	3735
Blue Jay	135	166	21		47		4	13	33	108	23	135	6
Black-billed Magpie						1	71	41			107		18
American Crow	467	357	49	137	35	6	109	78	119	689	188	616	24
Black-capped Chickadee		125		19	75	39		7	193	295	1	198	81
Carolina Chickadee	332		18										
Mountain Chickadee							6						
Tufted Titmouse	97	47	25	2	54				29	82		3	
Bushtit							12						
Red-breasted Nuthatch								4	1	6			
White-breasted Nuthatch	58	9	2		29	2	1	6	11	33	4	11	6
Brown Creeper	17	5			3	2	1		6	4	1	5	1
Rock Wren													
Carolina Wren	61	39	8		8		1	1	8	21		4	
Bewick's Wren	1				2					3			
Winter Wren	7	1			4				1	4	1		1
Marsh Wren							2						1
Golden-crowned Kinglet	22	8			8				24	9		33	14
Ruby-crowned Kinglet							1		1	2			
Eastern Bluebird	186	62	13	6	3		2		3	14		16	
Mountain Bluebird												1	
Townsend's Solitaire							2			1	1	1	
Hermit Thrush													
American Robin	199	25	3	4	12		67	9	1	36	19	158	50
Northern Mockingbird	22	14	6							4	2	3	
Brown Thrasher	1												
Curve-billed Thrasher													
Bohemian Waxwing													
Cedar Waxwing	67	3		8	124		21	98		56	92	52	28
Northern Shrike							2					1	
Loggerhead Shrike	10	10	2	2			13		14	12		2	1
European Starling	2455	3802	2065	191	27	312	282	2992	681	4522	6463	3603	2360
Orange-crowned Warbler													
Yellow-rumped Warbler	17	8					3		1	1	2	8	
Pyrrhoxia							1						
Northern Cardinal	380	185	71	28	33	6	2	12	83	230	3	113	9
Indigo Bunting	1												
Green-tailed Towhee													
Rufous-sided Towhee	27	2		2		3	1	1	5	15	4	16	2
Rufous-crowned Sparrow							2						
American Tree Sparrow	132	77	1	143		40	175	100	699	425	15	86	247
Field Sparrow	41		7				1		1	3			
Vesper Sparrow							4						
Lark Bunting							192				42		
Savannah Sparrow	1		1										
LeConte's Sparrow													
Fox Sparrow		2	6						1				
Song Sparrow	74	57	24	7		1	15	96	20	17	18	13	16
Lincoln's Sparrow	10	3	1						3	4		2	
Swamp Sparrow		6	10				2			1			2
White-throated Sparrow	14	3	42		1				4	3		4	
White-crowned Sparrow	86	6	2	2		1	286	11	335	14	746	67	3
Harris' Sparrow	713	53	2	219	1	18	7	90		299	105	907	50
Dark-eyed Junco	530	5			22	37	235		46		229		13
White-winged													
Slate-colored	170	390	40	67			147	194	43	563	16	243	76
Oregon	12	1	2	7			160	54		4	36	16	65
McCowan's Longspur							1						
Lapland Longspur		23				133	92			40	5	5	1000
Smith Longspur										1			
Chestnut-collared Longspur							59	34					
Longspur sp.													
Red-winged Blackbird	290	834	1110	5789		26	17		1957	3674	5106	3490	543
Eastern Meadowlark	10	159	6	42					60	1000	1		
Western Meadowlark	13	41	2	96		82	105	566	3	1	377		218
meadowlark sp.	747	188	78				64		296			564	
Rusty Blackbird			7						300			63	
Brewer's Blackbird	191			100					205			17	
Common Grackle	40	13	13050					13		11	75		
Great-tailed Grackle										36	165		
Brown-headed Cowbird		6	21	5		10		406	5	238	4	32	1
blackbird sp.	25	320											
Purple Finch	3	44	2			1				5		1	
House Finch	22	14		1			331	136		41	468	97	59
Red Crossbill											4		
Pine Siskin	19	65		17	2		73	35	1	10	88	2	16
American Goldfinch	215	199	14	4	44	2	30	4	70	313	46	121	17
House Sparrow	916	597	71	40	9	1	348	2217	229	443	1862	731	262
TOTAL INDIVIDUALS	9825	8870	17320	7995	749	969	6996	10910	31579	28345	18731	13266	9109
TOTAL SPECIES	72	67	60	41	36	40	66	43	70	94	61	63	50

SPECIES	Hillsdale Reservoir	Junction City	Kirwin Reservoir	Lawrence	L'nworth-Atchison	Liberal	Linn County	Manhattan	Meade County	Olathe	Olsburg	O'loosa-Perry Lake	Pomona Lake
Common Loon		1							1				
Pied-billed Grebe		1					4						
Horned Grebe							1						
Eared Grebe				2									
Western Grebe							2						
White Pelican												1	
Double-crested Cormorant				7			4	28				1	
Great Blue Heron		17		8	1	2	12	37	1		2	10	1
Greater White-fronted Goose			4				4	2		2			
Snow Goose				1100									
White morph			34	6100	6200		10250			1		21600	200
Blue morph			2	2700	3500		750					14400	50
Ross's Goose				1	1	1						5	
Canada Goose		23	19100	4700	270	40	10276	310	3500	2071		702	
Wood Duck								2				2	
Green-winged Teal				4		11	2	33					
American Black Duck							2					2	
Mallard		178	1400	825	625	2037	4479	503	3038	529	146	838	
Blue-winged Teal				2			11	4				1	
Northern Pintail				2		6	11	4		1	12		
Northern Shoveler			2	2		1	3	3					
Gadwall		44	2	12		3	22	77		6	1	90	
American Wigeon				7		29	5	4		2			
Canvasback		3						2				1	
Redhead		2	3	2				4				3	
Ring-necked Duck		2	10	1			276	29					
Lesser Scaup		1	1				115	9	1			8	
Oldsquaw				1									
White-winged Scoter													
Common Goldeneye		86	15	83	9	11	44	70	2	10	11	224	
Bufflehead		1		1		1	24	16	1				
Hooded Merganser		2	1	9		1	22	5			3		
Common Merganser		417	120	319	2	5	1	8194	3		125	6241	1
Red-breasted Merganser		1		1									
Ruddy Duck							10	1					
duck sp.													
Bald Eagle		40	9	58	10	1	10	66	3	9	10	35	
Northern Harrier	2	9	13	26	1	7	26	14	4		4	16	7
Sharp-shinned Hawk		3	2	5	2	1	1	7	1	1	1	1	
Cooper's Hawk		3		1				3			2	2	1
Northern Goshawk				1									
Accipiter sp.												1	
Red-shouldered Hawk												1	
Red-tailed Hawk	2	49	21	147	45	5	91	121	2	26	22	117	6
Red-tailed (Harlan's)		5		1				6		2	1		
Ferruginous Hawk			1			8			1				
Rough-legged Hawk		1		1	1	1	1	4	4		1	1	
Buteo sp.				6	7				1			2	
Golden Eagle		1							3				
American Kestrel	1	22	9	46	12	3	28	27	9	10	6	25	2
Merlin			1				1	2			2		1
Peregrine Falcon													
Prairie Falcon						1	1		1				
Ring-necked Pheasant		2	4	2		8		21	14		2		
Greater Prairie Chicken								1			18		
Lesser Prairie Chicken													
Wild Turkey			1			8		150	22		42	2	
Northern Bobwhite	8	63	43	49	9		4	364		20	65	7	35
Scaled Quail													
American Coot		5	24				85	2				1	
Sandhill Crane													
Killdeer								1					
Common Snipe								1					
Ring-billed Gull		993	3	2150			206	3053		190	110	2031	
California Gull								1				1	
Herring Gull		113		15				25	1	9		96	
Thayer's Gull		1										1	
Glaucous Gull													
Bonaparte's Gull				2				3			1	175	
Larus sp.				175									
Rock Dove	10	123	13	409	202	306	41	299		46	16	42	
Mourning Dove				82	48		8	104		67	13	107	1
Inca Dove							1						
Ring-necked Dove													
Barn Owl													
Eastern Screech-Owl		1	2	11		2		6		1	2	17	
Great Horned Owl		16	16	5		2	6	12	1	9		19	
Snowy Owl													
Long-eared Owl									1				
Short-eared Owl													
Burrowing Owl													
Barred Owl		2		9				4		2		10	
Belted Kingfisher		1		4	4			15	2		3	8	
Red-headed Woodpecker		22		93	10		54	220			12	43	
Red-bellied Woodpecker	2	21	12	124	37	3	47	152	16	30	29	71	10
Yellow-bellied Sapsucker		6		3			1	15			2	1	

SPECIES	Hillsdale Reservoir	Junction City	Kirwin Reservoir	Lawrence	L'nworth-Atchison	Liberal	Linn County	Manhattan	Meade County	Olathe	Olsburg	Os'loosa-Perry Lake	Pomona Lake
Downy Woodpecker	3	23	7	136	20	2	37	162	15	37	40	67	8
Hairy Woodpecker		6	2	26	2	4	2	24	4	2	12	12	1
Ladder-backed Woodpecker													
Northern Flicker		17	13	35	10	4	25	112	31		29	15	8
Yellow-shafted	3	41	12	127	4		33	99	1	4	1	60	1
Red-shafted		3	1	2		4		15	7			4	
Pileated Woodpecker							3					1	
Horned Lark	130	8	167	101	141	8650	62	73	1005	98	337	37	
Blue Jay	12	168	5	361	170	5	236	714	7	129	308	396	19
Black-billed Magpie			43			8		3	2				
American Crow	6	348	18	650	107	29	323	1776	2	258	627	332	37
Black-capped Chickadee	18	161	23	627	120		55	739	5	166	94	434	40
Carolina Chickadee													
Mountain Chickadee													
Tufted Titmouse	6	13		218	41		49	115		33	25	131	14
Bushtit													
Red-breasted Nuthatch		7		2				1	1	1	1		1
White-breasted Nuthatch		9	7	76	19	4	14	96	3	12	25	89	6
Brown Creeper		1	2	35	1		4	34	5	1	1	9	1
Rock Wren													
Carolina Wren		3		69	6		24	35		15	8	33	4
Bewick's Wren		1				1		1	1		1		1
Winter Wren		4		3		1	1	6				1	
Marsh Wren													
Golden-crowned Kinglet		30	5	61	4		18	175	3	9	21	13	3
Ruby-crowned Kinglet		1				1	2			1		1	
Eastern Bluebird		16		132	7	1	87	90		17	34	104	1
Mountain Bluebird													
Townsend's Solitaire						1							
Hermit Thrush					2								
American Robin		879	2	535	8	6	11	6110	3	66	182	2	4
Northern Mockingbird	1	7		24	3		4	5	2	1	1		
Brown Thrasher						1		1					
Curve-billed Thrasher									1				
Bohemian Waxwing								1					
Cedar Waxwing	28	98		151			26	647		128		77	
Northern Shrike						2							
Loggerhead Shrike	1	2	1	16	4		10	4	1	1		13	
European Starling	65	672	102	5800	683	7800	281	9612	12	1782	1612	1583	38
Orange-crowned Warbler													
Yellow-rumped Warbler		31		12		2	3	28				5	
Pyrrhoxia													
Northern Cardinal	55	71	7	550	136	10	109	420	17	158	202	358	307
Indigo Bunting													
Green-tailed Towhee				1									
Rufous-sided Towhee		3	2	2		1	3	17	15		2	3	2
Rufous-crowned Sparrow													
American Tree Sparrow	163	218	402	237	88	13	85	634	80	282	772	264	95
Field Sparrow	6		7	4			5	14				3	
Vesper Sparrow												2	
Lark Bunting						138							
Savannah Sparrow				1			1	6					
LeConte's Sparrow										3			1
Fox Sparrow		1		9							1	2	2
Song Sparrow	14	23	6	118	24	10	26	58	21	16	11	54	7
Lincoln's Sparrow					1		5	2				2	
Swamp Sparrow		2		9			21					5	
White-throated Sparrow	1	3		27	1		18	23		1	5	10	2
White-crowned Sparrow	9	1	9	13	9	355	23	9	46		6		4
Harris' Sparrow	15	140	95	38	8	6	4	555	98		132	98	282
Dark-eyed Junco	59	45	180	311	20	250	86		243	356		374	212
White-winged													
Slate-colored		312	25	424	152	102	71	1324			1054	348	12
Oregon			5	17	2	140	2	12	14	1		7	5
McCowan's Longspur													
Lapland Longspur			82	10		66910			803	6			
Smith Longspur													
Chestnut-collared Longspur						336							
Longspur sp.								25					
Red-winged Blackbird	235	597	15	2800	152	1100	1024	285	95	8	461	1059	
Eastern Meadowlark	7	23		74	4		111	147		39	1	3	
Western Meadowlark		5	3	2	1	1	1	121	216		10		
meadowlark sp.		11	96	210	34	247	101	151			39	115	31
Rusty Blackbird				200	5	2	87					2	
Brewer's Blackbird						1	1						
Common Grackle	151	2		15	474		21	4			22	7	
Great-tailed Grackle					545	535	60				1		
Brown-headed Cowbird	6	75	150		50	3	256	2		1	68	8	
blackbird sp.					2000								15
Purple Finch				3	20			4		1	2	4	
House Finch		81	40	76	17	996		172	121	3	29	34	3
Red Crossbill								1					
Pine Siskin	5	60	7	101	17	1	4	1606	9	42		628	86
American Goldfinch	34	96	38	630	46	3	79	624	15	138	117	474	16
House Sparrow	160	124	135	1060	533	2340	87	827	125	688	87	798	17
TOTAL INDIVIDUALS	1162	6723	22582	35452	16688	92543	30572	41753	9662	7548	7048	55043	1601
TOTAL SPECIES	29	79	58	87	57	68	84	96	56	56	67	85	43

SPECIES	Quivira Refuge	Salina	Sawyer	Scott Lake	SE Kansas MinedLand	Topeka	Udall- Winfield	Waconda Lake	Wake- field	Webster Reservoir	Wichita	Wilson Reservoir	Yoder	TOTAL
Common Loon												1		3
Pied-billed Grebe					2	5	6				5			27
Horned Grebe														1
Eared Grebe														2
Western Grebe														2
White Pelican	1										1			3
Double-crested Cormorant					50	1	7		1					109
Great Blue Heron	1	3	13	1	8	15	12			7	21		2	232
Gr. White-fronted Goose	345					3		268			7			643
Snow Goose	38													1138
White morph					415	73		5			1			45471
Blue morph					10	45								21457
Ross's Goose											2			10
Canada Goose	4669	256	2212		134	1148	258	9000	170	850	4399	126	504	72204
Wood Duck			2				5				3	1		53
Green-winged Teal	1			2			155	2			215			1715
American Black Duck														6
Mallard	76	46	172	156	33	675	3080	6500	7500	2850	2119	1835	157	42530
Blue-winged Teal														1
Northern Pintail			9	1		2	2	2	1	1				70
Northern Shoveler						3								92
Gadwall		1				64	72	11		2	224	7		723
American Wigeon						1		1	1	1	50	2		108
Canvasback	1								8					28
Redhead	10	13						1	10		15	4		87
Ring-necked Duck					3	12		7	1200					1567
Lesser Scaup	5	8				19	57	6	16		43			316
Oldsquaw								1				3		5
White-winged Scoter	15													15
Common Goldeneye	94				1	67	251	4800		83	104	2558		9702
Bufflehead	4					17	104	8	7		44	4		278
Hooded Merganser							61	1	1	1	11	2		150
Common Merganser	10	1				146	2053	19250	875	243	61	15660		70857
Red-breasted Merganser														2
Ruddy Duck	10								4					57
duck sp.													20	20
Bald Eagle	8					12	4	14	29	6	1	2		384
Northern Harrier	25	5	26		3	7	50	14	12	9	4	19	64	607
Sharp-shinned Hawk	7		1	3	2	3	1		12	1	3	3		81
Cooper's Hawk	2	1	2			1			1	1	1	1		32
Northern Goshawk	1									1				4
Accipiter Sp.		1												2
Red-shouldered Hawk														1
Red-tailed Hawk	43	34	29	9	51	98	195	19	49	38	63	38	53	1922
Red-tailed (Harlan's)	1				1		1		1		1		2	27
Ferruginous Hawk	1		1	2										56
Rough-legged Hawk	4	1	5	3	1	1			1	1	1	1	3	101
Buteo Sp.		2	2		4								2	48
Golden Eagle	1											1		7
American Kestrel	17	18	11	5	21	35	45	10	5	17	13	23	20	635
Merlin				1										27
Peregrine Falcon														1
Prairie Falcon	2	1	2	1		1	1					2	2	31
Ring-necked Pheasant	16	1	1	7		2	1	7	2	38	74	9	12	393
Greater Prairie Chicken									27			5		117
Lesser Prairie Chicken														27
Wild Turkey	1		145	24	4		84			1				748
Northern Bobwhite	265	30	33		20	95	168	2		13	39		39	1811
Scaled Quail														20
American Coot	4	2				43	14	14			32			227
Sandhill Crane			250											250
Killdeer							1				4			6
Common Snipe	1			1							1			5
Ring-billed Gull						152	22	775	25	54	3432	1620		22960
California Gull											1			3
Herring Gull			2			1	3	280	15	26	38	462		1174
Thayer's Gull														2
Glaucous Gull								1						1
Bonaparte's Gull						7								200
Larus sp.														175
Rock Dove		615	20	3	3	516	126	70	44	4	772	23	98	8568
Mourning Dove	3		1		32	189	61	2		56	32			1011
Inca Dove														7
Ring-necked Dove						2								2
Barn Owl								1						4
Eastern Screech-Owl		1		1		2	4	1	5	1	3	1		106
Great Horned Owl	5	2	1	9	3	6	24	2	14	1	6	2	2	235
Snowy Owl			1											1
Long-eared Owl								2						7
Short-eared Owl	1							1						3
Burrowing Owl														3
Barred Owl			2		2	2	6		4					59
Belted Kingfisher	1	1	6	1	3	18	5	2	1		9	1	3	108
Red-headed Woodpecker		2	1		10	24	20		14					607
Red-bellied Woodpecker	19	11	25	3	34	73	53	2	11	9	7	6	14	1105
Yellow-bellied Sapsucker			1		2	3	3				1		1	53

SPECIES	Quivira Refuge	Salina	Sawyer	Scott Lake	SE Kansas MinedLand	Topoka	Udall- Winfield	Wacoada Lake	Wake- field	Webster Reservoir	Wichita	Wilson Reservoir	Yoder	TOTAL
Downy Woodpecker	13	8	17	14	27	94	39	8	7	11	60	8	12	1159
Hairy Woodpecker	4	1	4	4	1	19	9	2	3	3	9	3	2	206
Ladder-backed Woodpecker														9
Northern Flicker	29	10	13	11	49	16	46	3	18	39	21	13	32	811
Yellow-shafted	43		18	7		51	12	2	19	9	4	9		785
Red-shafted	10	2	4	14		2	2			1	1	1		114
Pileated Woodpecker					3		1							14
Horned Lark	2836	2019	233263	2890	927	9	1166	2800	95	1645	56	60	535	272371
Blue Jay	25	11	2	4	93	355	149	16	119	2	40	4	40	4077
Black-billed Magpie	4	1		32			9			21				361
American Crow	88	373	86	1	227	477	634	475	375	113	6647	59	137	17079
Black-capped Chickadee	110	107	82	42		402	217	27	74	29	181	41	86	4907
Carolina Chickadee			3		107		104							564
Mountain Chickadee														6
Tufted Titmouse	1	2	7		17	80	71				41		5	1205
Bushtit														12
Red-breasted Nuthatch						3	3							31
White-breasted Nuthatch	7	10	28	7	1	62	45	1	9	8	3	1		714
Brown Creeper	5	1	1	4	2	9	8	2	7	1	29	3		211
Rock Wren				1										1
Carolina Wren	3		1		2	9	35		6		20	1		425
Bewick's Wren							5							17
Winter Wren			3				4				3	2		48
Marsh Wren	2			2					1			6		17
Golden-crowned Kinglet	24		9		6	16	61	19	25	3	51	13	1	688
Ruby-crowned Kinglet		1	1				3			1	2			19
Eastern Bluebird			49	32	59	67	43		29				7	1080
Mountain Bluebird														1
Townsend's Solitaire				4					1					11
Hermit Thrush														2
American Robin		3	170	9	2	335	151		2300	429	58	11	127	11986
Northern Mockingbird					15	4	15		2		1			136
Brown Thrasher						1	2							6
Curve-billed Thrasher														1
Bohemian Waxwing														1
Cedar Waxwing			133	3	73	106	57	3	117	67	26	2	20	2311
Northern Shrike	1			1						1				8
Loggerhead Shrike	5	1	1		7	5	17				4	2		161
European Starling	20	2688	197	29	708	2803	2029	380	60	334	4104	69	1563	74781
Orange-crowned Warbler											1			1
Yellow-rumped Warbler	1		4	1		1	1	1	9		13	2		154
<i>Pyrrhoxia</i>														1
Northern Cardinal	32	144	31	2	249	314	413	11	57	21	186	16	88	5111
Indigo Bunting														1
Green-tailed Towhee														1
Rufous-sided Towhee	34	1	1	6	1	2	7	1	8	6	12	11	6	224
Rufous-crowned Sparrow														2
American Tree Sparrow	2622	64	101	41	12	177	941	430	195	540	253	2120	216	13185
Field Sparrow	9		4		110	8	23				11		72	329
Vesper Sparrow	1													7
Lark Bunting														372
Savannah Sparrow	1						2							13
LeConte's Sparrow														4
Fox Sparrow	1			2	7						1			35
Song Sparrow	42		33	9	45	15	81	13	31	22	54	166	25	1282
Lincoln's Sparrow					2		6		1			7		49
Swamp Sparrow	4						2	1	9	1	2	1		78
White-throated Sparrow	2	3			20	22	10		4		19			242
White-crowned Sparrow	99	1		15	143	10	84	3	1	132	7	73	3	2614
Harris' Sparrow	1106	426	310	4	79	146	2257	290	227	315	598	645	485	10823
Dark-eyed Junco			288	77	274	303	152	375		340		60	133	5240
White-winged				1										1
Slate-colored	922	57		12		370	356		520	75	561	351		9012
Oregon	16			59		6	3			7	16	4		673
McCowan's Longspur														1
Lapland Longspur	889		877335	1002			500	6500	18	860		441		956654
Smith Longspur														
Chestnut-collared Longspur														429
Longspur sp.														25
Red-winged Blackbird	6215	160	2749	112	4043	102	3672	140	28	450	10577	2175	1955	63045
Eastern Meadowlark	3					4	442	10			1	10		2157
Western Meadowlark	2	246	385	23			67	60	20	9		252		2928
meadowlark sp.	688				738	203	511	123	28	156	284	72	754	6529
Rusty Blackbird					88		97				1			852
Brewer's Blackbird					57		9			2	1	8		597
Common Grackle	71	6			158	4	2							14138
Great-tailed Grackle	1										3504			4847
Brown-headed Cowbird	27		10	15	15		792		6	81	4		10	2307
blackbird sp.														2384
Purple Finch				11		9								110
House Finch	9	2	35	82	10	201	56	1	4	57	101	3	14	3316
Red Crossbill									15					20
Pine Siskin	601	12	3	34		55	2	12	322	86	14	855	6	4896
American Goldfinch	336	20	38	14	287	507	442	4	317	28	106	260	129	5857
House Sparrow	32	575	247	832	226	942	887	242	32	174	1213	146	536	20779
TOTAL INDIVIDUALS	22704	8011	1118642	5698	9742	11915	23760	53046	15185	10394	40765	30408	7999	1851310
TOTAL SPECIES	78	51	63	55	62	78	86	65	70	60	82	67	43	157