

# Kansas Ornithological Society

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### MID-WINTER BIRD COUNT FOR 1978

John L. Zimmerman

It has been a long, hard winter and it is therefore not surprising that the 1978 mid-winter bird count of the Kansas Ornithological Society set no records. Although the total number of 130 species falls within the range of abundance recorded in the last decade, it is considerably below last year's record high of 141 species and also below the average for the last five years. Still two species new to the Kansas mid-winter count were added by the Morton County count (Steller's Jay and Mountain Chickadee) to bring the cumulative total since 1949 to 212 species. Hays made a near-miss by observing a Gray-headed Junco during the count period, but not on the count day.

The number of counts (25) taken this year in Kansas is not especially low, but the more severe weather that moved in soon after Christmas delayed some counts (e.g. Junction City) and completely prevented the Elk City count from being conducted. Nevertheless, a total of 465 people participated, the third highest in the 30 years the counts have been published by the Kansas Ornithological Society. Manhattan again was high with 67 participants, followed by Lawrence with 54.

Manhattan recorded the largest species total with 94, a new high for the state. Kansas City was second with 83 species, and Lawrence had 81. As might be expected, the Morton County count had the highest number of unique species with 8 (Lesser Prairie Chicken, Scaled Quail, Barn Owl, Steller's Jay, Mountain Chickadee, Long-billed Marsh Wren, and McCown's Longspur). Junction City with the Mountain Bluebird and Snowy Owl, Kansas City with the Whistling Swan and Ruddy Duck, Lawrence with a Peregrine, Manhattan with the Blue-winged Teal and Northern Shrike, Mound City with a Turkey Vulture, Pomona Reservoir with the LeConte's Sparrow, and Wichita with the Yellow-headed Blackbird and over 900 Great-tailed Grackles added other unique species to the list. The Gray-headed Junco at Hays and a Water Pipit at Lawrence were the only additional species seen during the count period but not on a given count day.

Although there was a Northern Shrike and the Snowy Owl as well as the Long-eared Owls at Baldwin, Lawrence, Manhattan, and Mound City, this winter was not highlighted by the presence of irruptive northern invaders. On the other hand, more typical residents from higher latitudes such as the Rough-legged Hawk, Yellow-bellied Sapsucker, Red-breasted Nuthatch, Brown Creeper, Winter Wren, Golden-crowned Kinglet, and Lapland Longspur were widespread throughout the state. Almost half of the counts recorded Ruby-crowned Kinglets with a maximum of 6 at Dodge City. Similarly Townsend Solitaires occurred on 44 per cent of the counts. The numbers of American Robins, Eastern Bluebirds, and Northern Mockingbirds were reported as low by many compilers, and the population of the Carolina Wren in the eastern third of the state is still depressed as a result of severe winters over the past three years. Other noteworthy records were as follows:

Double-crested Cormorant: 1 at Lawrence and 5 at Manhattan.

Whistling Swan: A family group of 6 (1 male, 1 female, and 4 immatures) was reported by Sebastian Patti to have spent the month of December on the Wyandotte County Lake where they were observed most carefully. On December 15th at Pomona Reservoir a group of 32 Whistling Swans was seen just off the dam at a

distance of about 500 meters by Bruce Clark and Jim Thurman, but by count day, just two days later, they had departed.

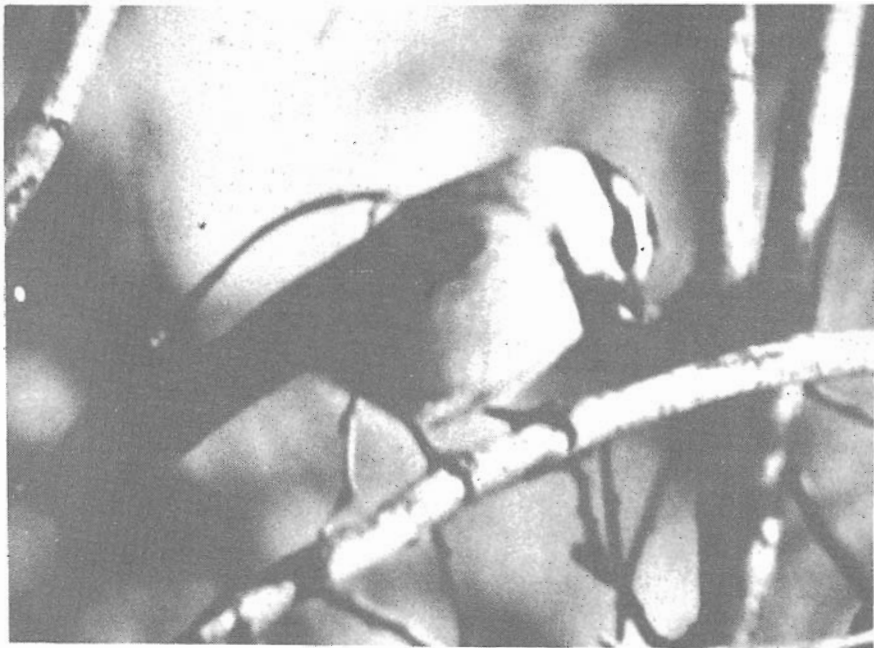
**Turkey Vulture:** A single bird soaring on the updrafts along a ridge was seen by Barbara and Martin Pressgrove on the Mound City count.

**Peregrine:** A single bird was seen along the Kansas River northwest of Lawrence by Chris Lueke, Bob Mengel, and Alike Laushman.

**Bobwhite X Scaled Quail hybrid:** A single bird was seen on the Morton County count by Jean Schulenberg and Sebastian Patti in a covey of Scaled Quail. Patti writes, "It had the facial pattern of a female Bobwhite, but the gray back of the Scaled Quail; this presented a very strong contrast, particularly in flight. The bird had the upright stance of the quails with which it flocked, and it maintained this posture as it ran. This hybrid individual had a crest, but it was not as pronounced as the 'cotton top' of the other Scaled Quails. The bird was slightly smaller than the other birds in the covey."

**Steller's Jay:** A single bird was seen at Point-of-Rocks on the Morton County count by Marvin Schwilling and Al White. All field marks were clearly noted by Marvin Schwilling, who was able to approach the bird to within 5 feet!

**Scrub Jay:** Marvin Schwilling and Al White also saw a Scrub Jay on the Morton County count which they collected. Joan Challans, the compiler for the Dodge City count, reported a jay observed by a "window watcher" and checked by two other count participants that lacked a crest and was blue except for a mostly gray back. Although the necklace was not present, suggestive of the Mexican Jay, there is enough variation in this particular character in Scrub Jays to suggest to me that it was probably also a Scrub Jay.



**FIGURE 1. Mountain chickadee in the Elkhart, Kansas cemetery on December 28, 1978. Photo by Jean and Ed Schulenberg.**

**Mountain Chickadee:** Recorded on the Morton County count, and as Sebastian Patti writes, "most exciting". The species was first found the day before the count in the Elkhart, Kansas cemetery by Patti and Jean Schulenberg (see figure 1). On count day other individuals were found along the Cimarron River by Marvin Schwilling (a flock of 6), by Patti (2 individuals), and Schulenberg found another group of 3. Charles Ely collected 3 of the birds.

**Mountain Bluebird:** Bob LaShelle reported that 30 Mountain Bluebirds were in the Junction City count area two weeks before count day, and even with the arrival of severe weather, 8 were still discovered on the count. This species also was present during the count period at Fostoria, but was not seen on count day.

**Northern Shrike:** Clyde Ferguson and his party on the Manhattan count were first drawn to the Northern Shrike by its larger size and its unusual tameness. Since it allowed them to come quite close, they clearly noted the fact that the black mask did not continue over the upper mandible.

**Yellow-headed Blackbird:** The single individual at Wichita was seen by Sue Jehle.

**Lark Bunting:** For the third year in a row this species was present on the Morton County count.

**Savannah Sparrow:** Two birds were seen by the Steve Fretwell party on the Manhattan count, and a single bird was recorded at Pomona Reservoir by Steve Kingswood.

**LeConte's Sparrow:** The Pomona Reservoir count group found 3 individuals.

**Vesper Sparrow:** Manhattan and Morton County each had 1 bird.

**Gray-headed Junco:** Seen at close range by Chuck Ely. This is the third record for the Hays area, but the species still has yet to be recorded on the day of the mid-winter count.

**McCown's Longspur:** The 5 individuals on the Morton County count were but "a small sampling of the birds which were in the northern part of Morton County, outside the count circle", according to Sebastian Patti.

**Chestnut-collared Longspur:** Morton County had 6 and there were 3 at the Kingman Wildlife Area.

**Arkansas City.** Center intersection U.S. 77 and Arkansas River. Habitat coverage: Cultivated lands 40 per cent, deciduous forest 35 per cent, pasture 20 per cent, residential areas 5 per cent. Dec. 30, 1978; 8 a.m. to 5 p.m.; intermittent light sleet, freezing rain, snow; 16-18 deg. F; Wind N, 8-20 m.p.h.; 0 to 2 inches snow cover; water mostly frozen. Ten observers in 4 parties. Total party hours, 32 (14 on foot, 18 by car). Total party-miles, 232 (11 on foot, 221 by car).

Great Blue Heron 5; Canada Goose 42; Mallard 32; Gadwall 8; Common Merganser 18; Red-tailed Hawk 20; Rough-legged Hawk 2; Bald Eagle 10; Marsh Hawk 5; American Kestrel 5; Bobwhite 74; Killdeer 4; Herring Gull 1; Ring-billed Gull 53; Rock Dove 26; Mourning Dove 1; Great Horned Owl 4; Belted Kingfisher 3; Common (Yellow-shafted) Flicker 56; Common (Red-shafted) Flicker 4; Red-bellied Woodpecker 32; Yellow-bellied Sapsucker 3; Hairy Woodpecker 9; Downy Woodpecker 41; Horned Lark 151; Blue Jay 26; Common Crow 268; Carolina Chickadee 118; Tufted Titmouse 47; White-breasted Nuthatch 12; Red-breasted Nuthatch 3; Brown Creeper 2; Brown Thrasher 1; American Robin 222; Eastern Bluebird 14; Golden-crowned Kinglet 3; Loggerhead Shrike 2; Starling 263; Yellow-rumped Warbler 2; House Sparrow 688; Eastern Meadowlark 1; Western Meadowlark 1; meadowlark sp. 991; Red-winged Blackbird 964; Rusty Blackbird 77; Common Grackle 4; Brown-headed Cowbird 113; Cardinal 267; Purple Finch 1; Pine Siskin 2; American Goldfinch 353; Rufous-sided Towhee 9; Dark-eyed (Slate-colored) Junco 948; Dark-eyed (Oregon) Junco 1; Tree Sparrow 292; Field Sparrow 4; Harris' Sparrow 1,041; White-throated Sparrow 6; Fox Sparrow 3; Lincoln's Sparrow 1; Song Sparrow 41; Lapland Longspur 125. Total 59 species (2 additional races); about 7,534 individuals.

Carolee and Louis Bussjaeger, W. Champeny (compiler—RR1, Oxford, KS 67119), H. Chaplin, S. Jehle, C. Penner, M. Penner, D. Vannoy, Mary and Ralph Wiley.

**Baldwin City.** Center junction U.S. 56 and U.S. 59. Habitat coverage: Lakes 30 per cent, brushland 25 per cent, deciduous forest 20 per cent, open country 20 per cent, residential areas 5 per cent. Dec. 23, 1978; 6 a.m. to 5:30 p.m.; partly cloudy; 32-43 deg. F, Wind variable, 0-5 m.p.h.; no snow cover; lakes mostly open. Twenty-

nine observers in 9 parties. Total party-hours, 69 (29 on foot, 40 by car). Total party-miles, 375 (27 on foot, 348 by car).

Great Blue Heron 2; Snow Goose 20; Mallard 48; Gadwall 12; Common Goldeneye 6; Common Merganser 2; Sharp-shinned Hawk 2; Cooper's Hawk 1; Red-tailed Hawk 153; Rough-legged Hawk 8; *Buteo* sp. 1; Bald Eagle 2; Marsh Hawk 55; American Kestrel 81; Bobwhite 121; American Coot 2; Ring-billed Gull 1; Rock Dove 123; Mourning Dove 52; Screech Owl 2; Great Horned Owl 11; Barred Owl 2; Long-eared Owl 2; Belted Kingfisher 4; Common (Yellow-shafted) Flicker 118; Common (Red-shafted) Flicker 6; Red-bellied Woodpecker 97; Red-headed Woodpecker 172; Yellow-bellied Sapsucker 5; Hairy Woodpecker 23; Downy Woodpecker 101; Horned Lark 756; Blue Jay 251; Common Crow 390; Black-capped Chickadee 261; Tufted Titmouse 81; White-breasted Nuthatch 47; Brown Creeper 7; Winter Wren 1; Carolina Wren 2; Northern Mockingbird 8; American Robin 1,352; Eastern Bluebird 37; Townsend's Solitaire 1; Golden-crowned Kinglet 7; Cedar Waxwing 77; Loggerhead Shrike 18; Starling 5,526; Yellow-rumped Warbler 2; House Sparrow 1,244; Eastern Meadowlark 185; Western Meadowlark 31; meadowlark sp. 423; Red-winged Blackbird 144; Common Grackle 5; Brown-headed Cowbird 12; Cardinal 348; Purple Finch 5; Pine Siskin 2; American Goldfinch 85; Rufous-sided Towhee 3; Dark-eyed (Slate-colored) Junco 634; Dark-eyed (Oregon) Junco 4; Tree Sparrow 487; Field Sparrow 5; Harris' Sparrow 69; White-crowned Sparrow 25; White-throated Sparrow 11; Fox Sparrow 1; Swamp Sparrow 17; Song Sparrow 65; Lapland Longspur 91. Total 68 species (2 additional races); about 16,746 individuals.

A. Betts (compiler—P. O. Box 143, Baldwin, KS 66006), John and Johnnie Brockway, Ivan, Jan, Margaret and Roger Boyd, C. Cink, T. A. and Mary Church, L. Eberwein, R. Faulh, P. Gates, J. Gubanyi, K. Kelley, D. Larson, E. Lewis, A. Macfarlane, S. Martin, M. McKaughan, Becky, Danny, Steve and Todd McMillan, T. Rodhouse, Barbara and Martin Pressgrove, M. Scott, P. Trillich.

**Baxter Springs.** Center Riverton. Habitat coverage: Fields and pastures 50 per cent, deciduous forest 40 per cent, lakes and rivers 8 per cent, coniferous plantings 2 per cent. Dec. 23, 1978; 7 a.m. to 5 p.m.; clear; 32-57 deg. F; Wind NW, 5-15 m.p.h. No snow cover; lakes open. Two observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car). Total party-miles (not given).

Pied-billed Grebe 1; Great Blue Heron 1; Mallard 15; Gadwall 1; American Widgeon 5; Common Goldeneye 1; Bufflehead 2; Red-tailed Hawk 15; Red-tailed (Harlan's) Hawk 1; Red-shouldered Hawk 1; Marsh Hawk 1; Prairie Falcon 1; American Kestrel 7; Killdeer 1; Ring-billed Gull 1,500; Rock Dove 19; Mourning Dove 5; Great Horned Owl 2; Barred Owl 1; Belted Kingfisher 1; Common (Yellow-shafted) Flicker 19; Common Flicker ssp. 1; Pileated Woodpecker 1; Red-bellied Woodpecker 21; Red-headed Woodpecker 87; Hairy Woodpecker 4; Downy Woodpecker 21; Blue Jay 140; Common Crow 90; Carolina Chickadee 56; Tufted Titmouse 25; White-breasted Nuthatch 2; Brown Creeper 3; Carolina Wren 6; Northern Mockingbird 6; Brown Thrasher 2; American Robin 4; Eastern Bluebird 3; Ruby-crowned Kinglet 1; Loggerhead Shrike 4; Starling 402; House Sparrow 152; Eastern Meadowlark 10; Western Meadowlark 4; meadowlark sp. 158; Red-winged Blackbird 120; Common Grackle 8; Brown-headed Cowbird 1; Cardinal 90; Purple Finch 2; American Goldfinch 5; Rufous-sided Towhee 1; Rufous-sided (Spotted) Towhee 2; Dark-eyed (Slate-colored) Junco 126; Dark-eyed (Oregon) Junco 1; Tree Sparrow 11; Field Sparrow 8; Harris' Sparrow 2; White-crowned Sparrow 8; White-throated Sparrow 24; Fox Sparrow 4; Song Sparrow 21. Total 57 species (3 additional races); about 3,237 individuals.

Jim and Trudy Rising (compiler—Ramsay Wright Zoological Lab., Univ. Toronto, 25 Harbord St., Toronto M5S 1A1, Ontario, Canada).

**Dodge City.** Center 2 miles east of St. Mary of the Plains College. Habitat coverage: Cultivated land and pasture 40 per cent, deciduous forest 35 per cent, streams and lakes 15 per cent, residential areas 10 per cent. Dec. 16, 1978; 7:45 a.m. to 5:30 p.m.; 20-45 deg. F; Wind variable, 10-20 m.p.h. Eight observers in 4

parties with two at feeders. Total party-hours, 32 (15 on foot, 17 by car) and hours at feeder not given. Total party-miles, 289 (16 on foot, 273 by car).

Red-tailed Hawk 2; Rough-legged Hawk 5; Ferruginous Hawk 1; Marsh Hawk 17; American Kestrel 14; Bobwhite 9; Ring-necked Pheasant 23; Rock Dove 94; Mourning Dove 2; Great Horned Owl 5; Belted Kingfisher 1; Common (Yellow-shafted) Flicker 9; Common (Red-shafted) Flicker 7; Common Flicker ssp. 2; Red-bellied Woodpecker 3; Hairy Woodpecker 3; Downy Woodpecker 2; Horned Lark 266; Scrub Jay 1; Black-billed Magpie 42; Common Crow 51; Black-capped Chickadee 31; White-breasted Nuthatch 3; Red-breasted Nuthatch 1; Brown Creeper 4; Northern Mockingbird 1; American Robin 6; Townsend's Solitaire 2; Golden-crowned Kinglet 6; Ruby-crowned Kinglet 6; Loggerhead Shrike 2; Starling 1,232; House Sparrow 673; Western Meadowlark 399; Red-winged Blackbird 22; Purple Finch 2; House Finch 11; American Goldfinch 13; Rufous-sided Towhee 3; Dark-eyed (Slate-colored) Junco 77; Dark-eyed (Oregon) Junco 70; Tree Sparrow 233; Field Sparrow 2; Harris' Sparrow 561; Song Sparrow 2; Lapland Longspur 97. Total 43 species (2 additional races); about 4,018 individuals. In count area during count week, but not seen on count day: Blue Jay, Brewer's Blackbird.

M. Bleumer, J. Burkhart, J. Challans (compiler—2415 Hart, Dodge City, KS 67801), M. Cole, J. Davis, J. O'Keefe, J. Loker, T. Lucier, H. Moore, K. Pitetti.

**Emporia.** Center 1 mile S of Lang. Habitat coverage: as described in 1972. Dec. 17, 1978; 6:30 a.m. to 6 p.m.; A.M. clear; P.M. mostly cloudy; 14-40 deg. F; Wind SW, 0-15 m.p.h.; no snow cover; water mostly frozen. Twenty-one observers in 13 parties. Total party-hours, 114 (57 on foot, 57 by car) plus 2 owling. Total party-miles, 770 (54 on foot, 716 by car).

Great Blue Heron 1; Canada Goose 375; White-fronted Goose 5; Mallard 1,716; Black Duck 1; American Widgeon 5; Common Merganser 43; Sharp-shinned Hawk 3; Red-tailed Hawk 82; Rough-legged Hawk 1; Bald Eagle 1; Marsh Hawk 52; Prairie Falcon 2; American Kestrel 38; Greater Prairie Chicken 3; Bobwhite 187; Ring-billed Gull 104; Rock Dove 79; Mourning Dove 90; Screech Owl 2; Great Horned Owl 15; Barred Owl 6; Belted Kingfisher 8; Common (Yellow-shafted) Flicker 77; Common (Red-shafted) Flicker 12; Common (hybrid) Flicker 1; Pileated Woodpecker 1; Red-bellied Woodpecker 97; Red-headed Woodpecker 7; Yellow-bellied Sapsucker 3; Hairy Woodpecker 12; Downy Woodpecker 83; Horned Lark 658; Blue Jay 153; Common Crow 340; Black-capped Chickadee 530; Tufted Titmouse 41; White-breasted Nuthatch 56; Red-breasted Nuthatch 2; Brown Creeper 54; Winter Wren 4; Carolina Wren 2; Northern Mockingbird 1; American Robin 54; Townsend's Solitaire 1; Golden-crowned Kinglet 18; Ruby-crowned Kinglet 3; Cedar Waxwing 20; Loggerhead Shrike 12; Starling 16,689; Yellow-rumped Warbler 2; House Sparrow 1,098; Eastern Meadowlark 769; Western Meadowlark 10; Red-winged Blackbird 307,745; Rusty Blackbird 1,311; Brewer's Blackbird 289; Common Grackle 226; Brown-headed Cowbird 2,356; Cardinal 290; Purple Finch 2; Pine Siskin 5; American Goldfinch 53; Rufous-sided Towhee 12; Dark-eyed (Slate-colored) Junco 700; Dark-eyed (Oregon) Junco 36; Tree Sparrow 952; Field Sparrow 4; Harris' Sparrow 372; White-crowned Sparrow 14; White-throated Sparrow 4; Fox Sparrow 1; Lincoln's Sparrow 2; Swamp Sparrow 15; Song Sparrow 39; Lapland Longspur 1,225. Total 74 species (2 additional races, 1 hybrid); about 339,281 individuals.

B. Berger, T. Bowes, J. Breukelman, M. Headrick, L. Herbert, E. Keppler, M. Kuehn, Gil and Marie Leisman, D. Milsap, J. Parrish, Curtis and Winona Rhoades, E. Ryan, R. Seaman, Ed and Jean Schulenberg (compiler—Rt. 1, Admire, KS 66830), M. Schwilling, K. Tabor, A. Tubbs, R. Welles.

**Fostoria.** Center as described in 1974. Habitat coverage: Grassland 50 per cent, oldfields 30 per cent, cultivated land 13 per cent, deciduous forest 6 per cent, river 1 per cent. Dec. 18, 1978; 8 a.m. to 4:30 p.m.; 18-30 deg. F; Wind NNW, 8-10 m.p.h. Six

observers in 1 party. Total party-hours, 8.5 (1 on foot, 7.5 by car). Total party-miles, 44 (2 on foot, 42 by car).

Mallard 11; Cooper's Hawk 1; Red-tailed Hawk 14; *Buteo* sp. 5; Golden Eagle 1; Marsh Hawk 8; American Kestrel 16; Greater Prairie Chicken 2; Bobwhite 14; Ring-necked Pheasant 1; Mourning Dove 23; Belted Kingfisher 2; Common (Yellow-shafted) Flicker 29; Red-bellied Woodpecker 11; Red-headed Woodpecker 27; Downy Woodpecker 11; Horned Lark 32; Blue Jay 37; Common Crow 367; Black-capped Chickadee 16; Tufted Titmouse 1; White-breasted Nuthatch 5; Red-breasted Nuthatch 2; American Robin 46; Eastern Bluebird 22; Townsend's Solitaire 1; Golden-crowned Kinglet 1; Loggerhead Shrike 2; Starling 180; House Sparrow 650; meadowlark sp. 78; Red-winged Blackbird 510; Brown-headed Cowbird 32; Cardinal 33; American Goldfinch 43; Dark-eyed (Slate-colored) Junco 135; Dark-eyed (Oregon) Junco 20; Tree Sparrow 250; Harris' Sparrow 72. Total 37 species (1 additional race); about 2,711 individuals. In count area during count week, but not seen on count day; Great Horned Owl, Barred Owl, Killdeer, Mountain Bluebird.

F. Gould, Bernard and Rowena Plummer, H. Webster, E. Webster (compiler—Fostoria, KS 66426), M. Willis.

**Halstead-Newton.** Center 5.75 miles NE Halstead, as described in 1972. Habitat coverage: Deciduous forest 57 per cent, cultivated land 19 per cent, grasslands 12 per cent, shrubby prairies and pastures 5 per cent, residential areas 4 per cent, marshes, ponds and rivers 3 per cent. Dec. 16, 1978; 7 a.m. to 5:30 p.m.; clear to partly cloudy; 29-47 deg. F; Wind NW, 10-20 m.p.h. Thirty-five observers in 8 parties. Total party-hours, 74 (54 on foot, 20 by car). Total party-miles, 285 (48 on foot, 237 by car).

Mallard 1; Cooper's Hawk 2; Red-tailed Hawk 33; Rough-legged Hawk 7; *Buteo* sp. 7; Marsh Hawk 29; Prairie Falcon 3; Merlin 1; American Kestrel 21; Bobwhite 143; Ring-necked Pheasant 48; Killdeer 4; Common Snipe 1; Rock Dove 64; Mourning Dove 77; Great Horned Owl 24; Belted Kingfisher 2; Common (Yellow-shafted) Flicker 40; Common (Red-shafted) Flicker 7; Common Flicker ssp. 11; Red-bellied Woodpecker 44; Hairy Woodpecker 7; Downy Woodpecker 47; Horned Lark 531; Blue Jay 163; Common Crow 673; Black-capped Chickadee 302; Tufted Titmouse 14; White-breasted Nuthatch 9; Red-breasted Nuthatch 6; Brown Creeper 6; Winter Wren 1; Northern Mockingbird 1; Brown Thrasher 2; American Robin 29; Eastern Bluebird 8; Townsend's Solitaire 2; Ruby-crowned Kinglet 1; *Regulus* sp. 2; Cedar Waxwing 8; Loggerhead Shrike 4; Starling 2,484; House Sparrow 1,445; Eastern Meadowlark 2; Western Meadowlark 17; meadowlark sp. 634; Red-winged Blackbird 1,457; Rusty Blackbird 66; Common Grackle 1; Brown-headed Cowbird 487; Cardinal 127; American Goldfinch 65; Rufous-sided Towhee 3; Dark-eyed (Slate-colored) Junco 482; Dark-eyed (Oregon) Junco 35; Tree Sparrow 189; Harris' Sparrow 1,150; White-crowned Sparrow 4; White-throated Sparrow 4; Song Sparrow 22. Total 54 species (2 additional races); about 11,059 individuals. In count area during count week, but not seen on count day: Yellow-bellied Sapsucker.

Bud and Mark Akin, G. Andrews III, R. Auernheimer, M. Bender, L. Coffey, Dan, Edward and Jennifer Dych, D. Harris, R. Henry, S. Hetzke, Debbie and Willard Hunsberger, P. Jantzen, W. Kaufman, D. Kope, D. Krehbiel, P. Krehbiel, M. Matthies, J. Moyer, A. Mueller, Bill and James Nelson, J. Newton, Jeff and Larry Nikkel, D. Platt (compiler—RFD 2, Box 209, Newton, KS 67114), K. Platt, D. Reiger, P. Reiger, J. Rich, J. Shelly, K. Stucky, J. Torline, P. Unrau, M. Voth, B. Warkentine (Harvey County Natural History Association).

**Hays.** Center 3.5 miles S, 4 miles W of Hays as described in 1972. Habitat coverage: as described in 1976. Dec. 16, 1978; 7:30 a.m. to 5:30 p.m.; A.M. clear, P.M. mostly clear; 23-43 deg. F; Wind NW, 8-20 m.p.h.; no snow cover; water mostly frozen; wild food crop fair. Thirteen observers in 4 parties. Total party-hours, 29 (15 on foot, 14 by car). Total party-miles, 323 (14 on foot, 309 by car).

Great Blue Heron 2; Canada Goose 250; Mallard 152; Pintail 2; Sharp-shinned Hawk 2; Red-tailed Hawk 20; Rough-legged Hawk 12; Ferruginous Hawk 4; Bald Eagle 4; Marsh Hawk 10; Prairie Falcon 11; American Kestrel 8; Bobwhite 2; Ring-necked Pheasant 17; Rock Dove 473; Great Horned Owl 6; Belted Kingfisher 5; Common (Yellow-shafted) Flicker 4; Common (Red-shafted) Flicker 3; Red-bellied Woodpecker 5; Hairy Woodpecker 3; Downy Woodpecker 9; Horned Lark 915; Blue Jay 1; Black-billed Magpie 4; Common Crow 193; Black-capped Chickadee 48; White-breasted Nuthatch 3; Red-breasted Nuthatch 5; Brown Creeper 5; Winter Wren 1; Brown Thrasher 1; American Robin 35; Townsend's Solitaire 3; Cedar Waxwing 4; Starling 1,439; House Sparrow 1,117; Western Meadowlark 446; Red-winged Blackbird 24; Common Grackle 1; Cardinal 7; Purple Finch 1; House Finch 15; Pine Siskin 4; American Goldfinch 30; Dark-eyed (Slate-colored) Junco 58; Dark-eyed (Oregon) Junco 53; Dark-eyed Junco ssp. 67; Tree Sparrow 184; Harris' Sparrow 126; Swamp Sparrow 1; Song Sparrow 6; Lapland Longspur 361. Total 50 species (2 additional races); about 6,162 individuals. In count area during count week, but not seen on count day: Gadwall, Northern Mockingbird, Golden-crowned Kinglet, Ruby-crowned Kinglet, Loggerhead Shrike, Brown-headed Cowbird, Gray-headed Junco, White-throated Sparrow.

Cora and Marion Coulson, C. Ely (compiler—314 W. 7th St., Hays, KS 67601), T. Flowers, S. George, P. Lyon, K. Mermis, M. Moulton, M. Ports, M. Rolfs, A. Schwallier, A. L. Steele, E. Wisner.

**Junction City.** Center as described in 1974. Habitat coverage: Cultivated fields 25 per cent, grassland 25 per cent, deciduous forest 20 per cent, coniferous stands 15 per cent, rivers and lakes 15 per cent. January 7, 1979; 5 a.m. to 6 p.m.; clear; -5-15 deg. F; Wind SW, 5 m.p.h.; snow cover 8"; water mostly frozen; Wild food crop fair. Seventeen observers in 7 parties plus 5 at feeders. Total party-hours, 35 (6 on foot, 29 by car). Total party-miles, 229 (5 on foot, 224 by car).

Great Blue Heron 2; Canada Goose 12; Mallard 14,200; Gadwall 3; Pintail 2; American Green-winged Teal 3; American Widgeon 1; Canvasback 4; Lesser Scaup 13; Common Goldeneye 200; Hooded Merganser 2; Common Merganser 78; Sharp-shinned Hawk 2; Cooper's Hawk 1; Red-tailed Hawk 25; Rough-legged Hawk 1; Bald Eagle 18; Marsh Hawk 10; American Kestrel 14; Greater Prairie Chicken 68; Bobwhite 160; Ring-necked Pheasant 4; Rock Dove 117; Mourning Dove 4; Screech Owl 3; Great Horned Owl 7; Snowy Owl 1; Barred Owl 1; Belted Kingfisher 1; Common (Yellow-shafted) Flicker 30; Common (Red-shafted) Flicker 5; Red-bellied Woodpecker 24; Red-headed Woodpecker 21; Yellow-bellied Sapsucker 9; Hairy Woodpecker 4; Downy Woodpecker 31; Horned Lark 443; Blue Jay 336; Common Crow 278; Black-capped Chickadee 231; Tufted Titmouse 16; White-breasted Nuthatch 11; Red-breasted Nuthatch 13; Brown Creeper 2; Winter Wren 1; American Robin 204; Mountain Bluebird 8; Townsend's Solitaire 3; Cedar Waxwing 200; Loggerhead Shrike 3; Starling 238; Yellow-rumped Warbler 8; House Sparrow 325; Eastern Meadowlark 1; Western Meadowlark 3; meadowlark sp. 822; Red-winged Blackbird 75; Rusty Blackbird 98; Common Grackle 6; Brown-headed Cowbird 25; Cardinal 376; Purple Finch 6; American Goldfinch 373; Rufous-sided Towhee 4; Dark-eyed (Slate-colored) Junco 505; Dark-eyed (Oregon) Junco 99; Tree Sparrow 868; Field Sparrow 15; Harris' Sparrow 187; Lincoln's Sparrow 2; Song Sparrow 42; Lapland Longspur 7. Total 69 species (2 additional races); about 20,915 individuals.

C. Best, T. Buck, E. Bunker, L. Combs, Clyde and Marilea Ferguson, Adair and Steve Fretwell, J. Hawes, A. Jackson, B. LaShelle (compiler—233 W. Spruce, Junction City, KS 66441), D. LaShelle, B. Loeb, T. Shane, Frank and Teri Shipley, M. Swihart.

**Kansas City.** Center near Morris, KS as described in 1972. Habitat coverage: Lakes and rivers 35 per cent, deciduous forest 30 per cent, parklands and residential areas 25 per cent, cultivated fields 10 per cent. Dec. 23, 1978; 3 a.m. to

5:30 p.m.; A.M. clear; P.M. mostly cloudy; 28-49 deg. F; Wind S to SE changing to NW, 8-23 m.p.h.; No snow cover; water mostly open; wild food crop fair. Twenty-eight observers in 7 parties with one at feeders. Total party-hours, 67 (28 on foot, 39 by car) plus 4 hours at feeders and 4 hours owling. Total party-miles, 418 (26 on foot, 392 by car).

Pied-billed Grebe 1; Great Blue Heron 2; Whistling Swan 6; Canada Goose 21; Mallard 20,124; Black Duck 4; Gadwall 125; Pintail 14; American Green-winged Teal 18; American Widgeon 25; Northern Shoveler 2; Redhead 8; Ring-necked Duck 50; Canvasback 5; Lesser Scaup 42; Common Goldeneye 245; Bufflehead 3; Ruddy Duck 3; Hooded Merganser 5; Common Merganser 106; Sharp-shinned Hawk 4; Cooper's Hawk 1; Red-tailed Hawk 51; Red-tailed (Harlan's) Hawk 1; Rough-legged Hawk 4; *Buteo* sp. 3; Marsh Hawk 4; American Kestrel 33; Bobwhite 130; Ring-necked Pheasant 1; American Coot 156; Killdeer 3; Ring-billed Gull 6; Rock Dove 409; Mourning Dove 158; Screech Owl 7; Great Horned Owl 9; Barred Owl 2; Short-eared Owl 2; Belted Kingfisher 10; Common (Yellow-shafted) Flicker 81; Common (Red-shafted) Flicker 5; Red-bellied Woodpecker 61; Red-headed Woodpecker 45; Yellow-bellied Sapsucker 4; Hairy Woodpecker 8; Downy Woodpecker 111; Horned Lark 36; Blue Jay 352; Common Crow 192; Black-capped Chickadee 232; Tufted Titmouse 134; White-breasted Nuthatch 15; Red-breasted Nuthatch 1; Brown Creeper 23; Carolina Wren 2; Northern Mockingbird 17; Brown Thrasher 1; American Robin 19; Golden-crowned Kinglet 13; Ruby-crowned Kinglet 3; Cedar Waxwing 99; Loggerhead Shrike 4; Starling 2,717; Yellow-rumped Warbler 17; House Sparrow 1,944; Eastern Meadowlark 20; Western Meadowlark 2; meadowlark sp. 160; Red-winged Blackbird 54; Common Grackle 23; Brown-headed Cowbird 11; Cardinal 406; Purple Finch 6; Pine Siskin 148; American Goldfinch 544; Rufous-sided Towhee 11; Dark-eyed (Slate-colored) Junco 834; Dark-eyed (Oregon) Junco 3; Tree Sparrow 547; Field Sparrow 3; Harris' Sparrow 27; White-crowned Sparrow 4; White-throated Sparrow 41; Lincoln's Sparrow 2; Swamp Sparrow 6; Song Sparrow 107; Lapland Longspur 4. Total 83 species (3 additional races); about 30,902 individuals. In count area during count week, but not seen on count day: Bald Eagle, Eastern Bluebird.

Barbara and Don Burget, S. Crawford, P. Devine, R. Fisher, J. Garrett, H. Gregory, H. Hadley, David, Jeanie, Harold and Margaret Hedges, B. Hinterleitner, N. Johnson, P. Kaul, S. Kelly, D. Majure, L. Moore, T. Morgan, Jim and Mary Louise Myers, L. North, R. Parker, S. Patti (compiler—6528 Wenonga Terr., Shawnee Mission, KS 66208), S. Rosenbrock, G. Swink, L. Warner, M. Wayman (Burroughs Audubon Society).

**Kingman Wildlife Area.** Center Headquarter, Kingman Wildlife Area as described in 1963. Habitat coverage: Grassland 40 per cent, woodland 40 per cent, cultivated fields 20 per cent. Dec. 30, 1978; 8 a.m. to 5:30 p.m. Cloudy; 6-11 deg. F; Wind NE, 8-11 m.p.h.; Ground completely snow covered; waters frozen. Five observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car). Total party-miles, 51 (4 on foot, 47 by car).

Great Blue Heron 2; Mallard 1; Sharp-shinned Hawk 1; Red-tailed Hawk 6; Rough-legged Hawk 1; Bald Eagle 1; Marsh Hawk 4; American Kestrel 2; Bobwhite 6; Ring-necked Pheasant 2; Common Snipe 2; Mourning Dove 1; Great Horned Owl 1; Belted Kingfisher 2; Common (Yellow-shafted) Flicker 5; Common (Red-shafted) Flicker 1; Red-bellied Woodpecker 2; Hairy Woodpecker 2; Downy Woodpecker 5; Horned Lark 163; Blue Jay 2; Common Crow 18; Black-capped Chickadee 21; Red-breasted Nuthatch 2; American Robin 7; Eastern Bluebird 8; Loggerhead Shrike 1; Starling 472; House Sparrow 75; Eastern Meadowlark 9; Western Meadowlark 3; Red-winged Blackbird 846; Brown-headed Cowbird 123; Cardinal 8; American Goldfinch 24; Dark-eyed (Slate-colored) Junco 61; Dark-eyed (Oregon) Junco 3; Tree Sparrow 349; Harris' Sparrow 341; White-throated Sparrow 1; Lapland Longspur 11; Chestnut-collared Longspur 3. Total 40 species (2 additional races); about 2,598 individuals. In count area during count week, but not seen on count day: Canada Goose, American Green-winged Teal, Common



Merganser, Cooper's Hawk, Prairie Falcon; Ring-billed Gull; Northern Mockingbird, Brown Creeper, Rufous-sided Towhee, White-crowned Sparrow, Fox Sparrow.

L. Combs, W. Hawkins, E. Krehbiel, June and Byron Walker (compiler—Kingman Wildlife Area, Penalosa, KS 67121.

Lawrence. Center 2 miles N and 2 miles W of junction U.S. 40 and U.S. 59 as described in 1978. Habitat coverage: Deciduous forest 42 per cent, rivers, streams and lakes 17 per cent, cultivated land 12 per cent, grassland 11 per cent, residential areas 11 per cent, coniferous stands 7 per cent. Dec. 16, 1978; 6 a.m. to 6 p.m.; clear; 30-46 deg. F; wind N, 5-20 m.p.h.; no snow cover; waters partly open. Fifty-four observers in 17 parties. Total party-hours 135 (17 on foot, 56 by car, 8 by bicycle) plus 6 owling. Total party-miles, 620 (75 by foot, 490 by car, 25 by bicycle plus 30 owling).

Double-crested Cormorant 1; Canada Goose 138; Snow Goose 536; Snow Goose (blue morph) 495; Mallard 3,366; Black Duck 1; Gadwall 4; Pintail 7; American Widgeon 2; Northern Shoveler 2; Lesser Scaup 9; Common Goldeneye 93; Bufflehead 2; Common Merganser 51; Sharp-shinned Hawk 2; Cooper's Hawk 2; *Accipiter* sp. 2; Red-tailed Hawk 92; Red-tailed (Harlan's) Hawk 2; Rough-legged Hawk 8; *Buteo* sp. 7; Bald Eagle 9; Marsh Hawk 46; Peregrine 1; American Kestrel 68; Bobwhite 217; Killdeer 5; Herring Gull 44; Ring-billed Gull 622; Rock Dove 830; Mourning Dove 144; Screech Owl 19; Great Horned Owl 12; Barred Owl 5; Long-eared Owl 9; Belted Kingfisher 3; Common (Yellow-shafted) Flicker 159; Common (Red-shafted) Flicker 13; Common Flicker ssp. 39; Red-bellied Woodpecker 109; Red-headed Woodpecker 199; Yellow-bellied Sapsucker 1; Hairy Woodpecker 16; Downy Woodpecker 101; Horned Lark 279; Blue Jay 448; Common Crow 243; Black-capped Chickadee 492; Tufted Titmouse 129; White-breasted Nuthatch 28; Red-breasted Nuthatch 2; Brown Creeper 31; Winter Wren 1; Carolina Wren 2; Northern Mockingbird 2; Brown Thrasher 1; American Robin 678; Eastern Bluebird 25; Townsend's Solitaire 1; Golden-crowned Kinglet 47; Ruby-crowned Kinglet 2; Cedar Waxwing 121; Loggerhead Shrike 12; Starling 6,776; Yellow-rumped Warbler 2; House Sparrow 1,461; Eastern Meadowlark 172; Western Meadowlark 55; meadowlark sp. 368; Red-winged Blackbird 219; Rusty Blackbird 1; Common Grackle 33; Brown-headed Cowbird 101; Cardinal 339; Purple Finch 5; Pine Siskin 11; American Goldfinch 188; Rufous-sided Towhee 6; Dark-eyed (Slate-colored) Junco 581; Dark-eyed (Oregon) Junco 19; Dark-eyed Junco ssp. 262; Tree Sparrow 555; Field Sparrow 12; Harris' Sparrow 69; White-crowned Sparrow 11; White-throated Sparrow 22; Lincoln's Sparrow 2; Swamp Sparrow 1; Song Sparrow 47; Lapland Longspur 281. Total 81 species (3 additional races); about 21,626 individuals. In count area during count week, but not seen on count day: Water Pipit.

M. Allen, B. Berger, H. Blanton, Karen and Tom Booker, Ivan and Margaret Boyd, J. Bucher, J. Cane, H. Chewing, C. Cink, C. Clinton, C. Duncan, R. Fauhl, H. Fitch, R. Fleischer, B. Gillaspey, E. Raymond and Mary Hall, P. Hedrick, K. Kelley, P. Kukuk, Alike and Roger Laushman, H. Levenson, L. Loveless, Caryn and Peter Lowther, C. Luecke, I. McColl, B. McGillivray, R. Mengel, M. Murphy, K. Nelson, G. Otis (compiler—2035 Alabama St., Lawrence, KS 66044), M. Pankratz, S. Patti, Eldon, Jan and Marge Perry, J. Petry, J. Rakestraw, S. Roth, J. Rouse, E. Shaw, Dean and Jean Stramel, P. Trillich, K. Underwood, Kurt and Penny von Achen, D. Wiley, L. Williams, M. Windheuser.

Manhattan. Center Anderson Hall, Kansas State University campus. Habitat coverage: Forest edge 60 per cent, grassland 15 per cent, lakes and streams 10 per cent, deciduous forest 10 per cent, cultivated fields 4 per cent, residential areas 1 per cent. Dec. 16, 1978; 5:30 a.m. to 5 p.m.; A.M. clear, P.M. clear; 32-43 deg. F; Wind NW, 5-30 m.p.h.; no snow cover; freshwater mostly open; wild food crop fair. Sixty-seven observers in 14 parties. Total party-hours, 141 (93 on foot, 41 by car, 7

by canoe) plus 2 owling. Total party-miles, 768 (111 on foot, 641 by car, 16 by canoe).

Double-crested Cormorant 5; Great Blue Heron 30; Canada Goose 212; White-fronted Goose 2; Snow Goose 1; Mallard 17,040; Gadwall 45; Pintail 2; American Green-winged Teal 65; Blue-winged Teal 2; American Widgeon 5; Wood Duck 1; Redhead 3; Ring-necked Duck 4; Canvasback 11; Lesser Scaup 2; Common Goldeneye 76; Bufflehead 7; Common Merganser 75; Sharp-shinned Hawk 8; Cooper's Hawk 3; Red-tailed Hawk 113; Red-tailed (Harlan's) Hawk 4; Rough-legged Hawk 5; Golden Eagle 1; Bald Eagle 21; Marsh Hawk 42; Merlin 1; American Kestrel 62; Greater Prairie Chicken 130; Bobwhite 600; Ring-necked Pheasant 26; American Coot 2; Killdeer 8; Common Snipe 2; Herring Gull 1; Ring-billed Gull 193; Rock Dove 111; Mourning Dove 173; Screech Owl 2; Great Horned Owl 8; Barred Owl 4; Long-eared Owl 1; Belted Kingfisher 32; Common (Red-shafted) Flicker 14; Common (Yellow-shafted) Flicker 178; Red-bellied Woodpecker 144; Red-headed Woodpecker 576; Yellow-bellied Sapsucker 7; Hairy Woodpecker 40; Downy Woodpecker 148; Horned Lark 50; Blue Jay 889; Common Crow 916; Black-capped Chickadee 977; Tufted Titmouse 111; White-breasted Nuthatch 72; Red-breasted Nuthatch 7; Brown Creeper 43; Winter Wren 4; Carolina Wren 6; Northern Mockingbird 4; American Robin 281; Eastern Bluebird 7; Golden-crowned Kinglet 22; Ruby-crowned Kinglet 1; Cedar Waxwing 74; Northern Shrike 1; Loggerhead Shrike 10; Starling 5,923; Yellow-rumped Warbler 8; House Sparrow 1,274; Eastern Meadowlark 547; Western Meadowlark 4; meadowlark sp. 889; Red-winged Blackbird 1,031; Rusty Blackbird 12; Brewer's Blackbird 30; Common Grackle 93; Brown-headed Cowbird 401; Cardinal 618; Purple Finch 16; Pine Siskin 4; American Goldfinch 634; Rufous-sided Towhee 14; Savannah Sparrow 2; Vesper Sparrow 1; Dark-eyed (Slate-colored) Junco 2,125; Dark-eyed (Oregon) Junco 38; Tree Sparrow 1,574; Field Sparrow 59; Harris' Sparrow 538; White-crowned Sparrow 14; White-throated Sparrow 8; Fox Sparrow 1; Lincoln's Sparrow 1; Swamp Sparrow 1; Song Sparrow 175. Total 94 species (3 additional races); about 39,758 individuals. In count area during count week, but not seen on count day: Brown Thrasher.

H. Armknecht, D. Batema, C. Best, B. Broylan, R. Carter, D. Cox, Maxwell and Mike Donnelly, Chamblee, Clyde, Maria, and Marilena Ferguson, E. Finck, Adair and Steve Fretwell, Janette and Joe Gelroth, M. Gray, S. Hagmann, D. Harakal, J. Hawes, D. Hoseney, L. Johnson, C. Kale, G. Kennedy, Duane and Gary Kerr, Keith and Susan Killingbeck, B. Kinders, Bob and Steve Kingswood, J. Laflin, Bob and Don LaShelle, T. McGrath, Dick and Erich Marzolf, S. Middendorf, R. Munger, P. O'Hara, M. Peterman, G. Petersen, T. Porter, M. Quinlin, G. Radke, B. Rose, E. Sanders, N. Schanker, M. Schwab, T. Shane, V. Shepperd, T. Sistrunk, D. Smith, G. Smith, T. Socolofsky, F. Shipley, M. Stapanian, P. Tallerico, D. Temme, Dane and Harvard Townsend, B. Watt, M. Weide, M. Williamson, J. Wilson, J. Zimmerman (compiler—Div. Biology, Kansas State Univ., Manhattan, KS 66506).

Morton County. Center 7 miles N, 2 miles E of Elkhart as described in 1976. Habitat coverage: Deciduous floodplain forest 40 per cent, residential areas 20 per cent, grasslands 15 per cent, cultivated fields 10 per cent, ponds 10 per cent, rocky slopes 5 per cent. Dec. 29, 1978; 7 a.m. to 6 p.m.; A.M. mostly cloudy with intermittent snow; P.M. mostly cloudy; 9-16 deg. F; Wind WNW, 15-28 m.p.h.; snow cover 1 to 1.5"; water partly open; wild food crop poor. Five observers in 3 parties. Total party-hours 28 (14 by foot, 14 by car). Total party-miles, 410 (16 on foot, 394 by car).

Mallard 9; Red-tailed Hawk 1; Rough-legged Hawk 6; Ferruginous Hawk 12; *Buteo* sp. 2; Golden Eagle 1; Bald Eagle 3; Marsh Hawk 11; Prairie Falcon 1; Merlin 1; American Kestrel 5; Lesser Prairie Chicken 21; Bobwhite 72; Scaled Quail 36; Bobwhite x Scaled Quail hybrid 1; Ring-necked Pheasant 14; Turkey 15; Rock Dove 30; Mourning Dove 1; Barn Owl 1; Great Horned Owl 4; Short-eared Owl 1; Common (Yellow-shafted) Flicker 3; Common (Red-shafted) Flicker 22; Common Flicker ssp. 12; Hairy Woodpecker 7, Downy Woodpecker 19; Horned

Lark 113; Steller's Jay 1; Scrub Jay 1; Black-billed Magpie 75; Common Crow 29; Mountain Chickadee 13; White-breasted Nuthatch 4; Red-breasted Nuthatch 4; Brown Creeper 2; Long-billed Marsh Wren 2; American Robin 25; Townsend's Solitaire 4; Loggerhead Shrike 2; Starling 150; House Sparrow 2,232; Western Meadowlark 189; Red-winged Blackbird 19; Purple Finch 1; House Finch 25; Pine Siskin 10; American Goldfinch 9; Rufous-sided Towhee 1; Lark Bunting 3; Vesper Sparrow 1; Dark-eyed (Slate-colored) Junco 81; Dark-eyed (Oregon) Junco 91; Dark-eyed Junco ssp. 56; Tree Sparrow 332; Harris' Sparrow 13; White-crowned Sparrow 9; Song Sparrow 19; McGown's Longspur 5; Lapland Longspur 1; Chestnut-collared Longspur 6. Total 55 species (2 additional races, 1 hybrid); about 3,836 individuals.

C. Ely, S. Patti (compiler—6528 Wenonga Terr., Shawnee Mission, KS 66208), J. Schulenberg, M. Schwilling, A. White.

**Mound City.** Center 1.5 mi. E, 3 mi. N of Mound City Post Office. Habitat coverage: Deciduous forest 45 per cent, cultivated fields 40 per cent, streams and marshes 10 per cent, residential areas 5 per cent. Dec. 17, 1978; 7:30 a.m. to 5 p.m.; 28-54 deg. F; Wind SSW, 15-20 m.p.h. Eighteen observers in 7 parties. Total party-hours, 41 (7 on foot, 24 by car). Total party-miles, 295 (8 on foot, 287 by car).

Great Blue Heron 1; Canada Goose 1; Mallard 2,000; Turkey Vulture 1; Red-tailed Hawk 43; Red-tailed (Harlan's) Hawk 1; Red-shouldered Hawk 1; Rough-legged Hawk 3; *Buteo* sp. 4; Bald Eagle 5; Marsh Hawk 19; American Kestrel 20; Bobwhite 16; Turkey 8; Ring-billed Gull 1; Rock Dove 42; Mourning Dove 8; Screech Owl 1; Great Horned Owl 6; Barred Owl 2; Belted Kingfisher 1; Common (Yellow-shafted) Flicker 38; Common (Red-shafted) Flicker 2; Red-bellied Woodpecker 22; Red-headed Woodpecker 20; Yellow-bellied Sapsucker 4; Hairy Woodpecker 3; Downy Woodpecker 29; Horned Lark 109; Blue Jay 102; Common Crow 153; Black-capped Chickadee 101; Tufted Titmouse 48; White-breasted Nuthatch 14; Brown Creeper 6; Winter Wren 2; Northern Mockingbird 1; Brown Thrasher 1; American Robin 9; Eastern Bluebird 13; Golden-crowned Kinglet 2; Cedar Waxwing 15; Loggerhead Shrike 11; Starling 690; House Sparrow 257; Eastern Meadowlark 73; meadowlark sp. 158; Red-winged Blackbird 4,338; Rusty Blackbird 116; Brown-headed Cowbird 12; Cardinal 129; American Goldfinch 76; Dark-eyed (Slate-colored) Junco 267; Dark-eyed (Oregon) Junco 1; Tree Sparrow 142; Field Sparrow 1; Harris' Sparrow 6; White-crowned Sparrow 41; Lincoln's Sparrow 1; Swamp Sparrow 2; Song Sparrow 32; Lapland Longspur 5. Total 57 species (2 additional races); about 9,239 individuals. In count area during count week, but not seen on count day: Barn Owl, Long-eared Owl.

M. Boots, Ivan, Margaret and Roger Boyd, Mr. and Mrs. T. T. Concannon, Mr. and Mrs. Keith Couch, Mr. and Mrs. Carl Day, Mr. and Mrs. Floyd Fyock, T. Hiser, M. Martin, U. Murray, Mr. and Mrs. Martin Pressgrove (compiler—Rt. 2, Pleasanton, KS 66075), J. Reynolds.

**Olathe.** Center junction of U.S. 56 and K7 as described in 1973. Habitat coverage: Grassland 25 per cent, cultivated fields 25 per cent, deciduous forest 20 per cent, lakes and streams 20 per cent, residential areas 15 per cent. Dec. 30, 1978; 8 a.m. to 4:30 p.m.; mostly cloudy; 16-26 deg. F; Wind NW, 5-10 m.p.h.; Snow cover 2-3"; Fresh water partly open; wild food crop fair. Ten observers in 3 parties. Total party-hours, 22 (4 by foot, 18 by car). Total party-miles, 180 (7 by foot, 173 by car).

Pied-billed Grebe 1; Snow Goose 30; Mallard 84; Gadwall 2; Red-tailed Hawk 27; Rough-legged Hawk 4; *Buteo* sp. 1; Marsh Hawk 16; American Kestrel 17; Greater Prairie Chicken 71; Bobwhite 24; Common Snipe 1; Rock Dove 42; Mourning Dove 3; Great Horned Owl 2; Common (Yellow-shafted) Flicker 15; Red-bellied Woodpecker 10; Red-headed Woodpecker 17; Hairy Woodpecker 4; Downy Woodpecker 15; Horned Lark 170; Blue Jay 43; Common Crow 84; Black-capped Chickadee 38; Tufted Titmouse 6; White-breasted Nuthatch 4; Brown Creeper 1; Northern Mockingbird 3; Eastern Bluebird 2; Loggerhead Shrike 2; Starling 197; House Sparrow 800; Eastern Meadowlark 219; Red-winged Blackbird 109; Car-

dinal 86; American Goldfinch 34; Dark-eyed (Slate-colored) Junco 165; Tree Sparrow 314; Harris' Sparrow 39; White-crowned Sparrow 21; Fox Sparrow 1; Lincoln's Sparrow 2; Swamp Sparrow 7; Song Sparrow 1; Lapland Longspur 65. Total 44 species; about 2,819 individuals. In count area during count week, but not seen on count day: Ferruginous Hawk, Short-eared Owl, Red-breasted Nuthatch, American Robin, Cedar Waxwing.

Ivan, Roger and Jan Boyd, J. Bradley (compiler—11245 Ridgeview, Shawnee Mission, KS 66219), C. Cink, George and Curt Creighton, T. Hoyland, K. Kelly, M. McKaughan.

**Pittsburg.** Center Pittsburg State University. Habitat coverage: Fields and pastures 50 per cent, deciduous forest 48 per cent, residential areas 2 per cent. Dec. 16, 1978; 7:20 a.m. to 5:10 p.m.; 30-50 deg. F; Wind variable, 0-12 m.p.h. Three observers in 2 parties. Total party-hours, 16 (12 on foot, 4 by car). Total party-miles, 54 (12 on foot, 42 by car).

Red-tailed Hawk 14; Marsh Hawk 8; American Kestrel 15, Bobwhite 23; Rock Dove 103; Mourning Dove 3; Great Horned Owl 4; Barred Owl 4; Common (Yellow-shafted) Flicker 29; Red-bellied Woodpecker 17; Red-headed Woodpecker 25; Hairy Woodpecker 1; Downy Woodpecker 16; Blue Jay 125; Common Crow 59; Carolina Chickadee 21; Tufted Titmouse 22; Red-breasted Nuthatch 1; Brown Creeper 1; Eastern Bluebird 3; Loggerhead Shrike 3; Starling 233; House Sparrow 66; Eastern Meadowlark 93; Red-winged Blackbird 4; Common Grackle 220; Cardinal 68; American Goldfinch 9; Dark-eyed (Slate-colored) Junco 83; Tree Sparrow 12; Harris' Sparrow 3; White-throated Sparrow 5; Song Sparrow 2. Total 33 species; about 1,295 individuals.

B. Boso (compiler—RR2, Box 120, Pittsburg, KS 66762), J. Smardo, T. M. Sperry.

**Pomona Reservoir.** Center, intersection U.S. 75 & Dragoon Creek, as described in 1977. Habitat coverage: as described in 1977. Dec. 17, 1978; 5:45 a.m. to 5:30 p.m.; A.M. mostly clear; P.M. partly cloudy; 17-46 deg. F; Wind SSW, 6-27 m.p.h.; no snow cover; water partly open; wild food crop fair. Twenty-two observers in 8 parties. Total party-hours, 73 (58 on foot, 15 by car) plus 1 owling. Total party-miles, 286 (54 on foot, 232 by car).

Great Blue Heron 2; Canada Goose 214; Snow Goose 30; Snow Goose (blue morph) 10; Mallard 6,130; Black Duck 1; Gadwall 28; Pintail 7; American Widgeon 18; Common Goldeneye 20; Common Merganser 600; Red-tailed Hawk 72; Rough-legged Hawk 1; *Buteo* sp. 5; Bald Eagle 2; Marsh Hawk 68; Prairie Falcon 1; Merlin 1; American Kestrel 30; Greater Prairie Chicken 1; Bobwhite 179; Herring Gull 13; Ring-billed Gull 14; Rock Dove 39; Mourning Dove 263; Screech Owl 1; Great Horned Owl 17; Barred Owl 7; Short-eared Owl 1; Belted Kingfisher 10; Common (Yellow-shafted) Flicker 99; Common (Red-shafted) Flicker 3; Red-bellied Woodpecker 84; Red-headed Woodpecker 43; Yellow-bellied Sapsucker 2; Hairy Woodpecker 9; Downy Woodpecker 58; Horned Lark 357; Blue Jay 198; Common Crow 137; Black-capped Chickadee 268; Tufted Titmouse 37; White-breasted Nuthatch 21; Red-breasted Nuthatch 3; Brown Creeper 16; Carolina Wren 1; Northern Mockingbird 4; American Robin 56; Golden-crowned Kinglet 6; Ruby-crowned Kinglet 1; Cedar Waxwing 5; Loggerhead Shrike 8; Starling 507; House Sparrow 387; Eastern Meadowlark 20; Western Meadowlark 1; meadowlark sp. 692; Red-winged Blackbird 2,705; Common Grackle 4; Brown-headed Cowbird 152; Cardinal 212; American Goldfinch 51; Rufous-sided Towhee 3; Savannah Sparrow 1; LeConte's Sparrow 3; Dark-eyed (Slate-colored) Junco 423; Dark-eyed (Oregon) Junco 12; Tree Sparrow 572; Field Sparrow 5; Harris' Sparrow 172; White-throated Sparrow 1; Song Sparrow 31; Lapland Longspur 200. Total 69 species (2 additional races); about 15,358 individuals. In count area during count week, but not seen on count day: Whistling Swan.

J. Ackerman, Jim, Mary Jo and Michael Chapman, B. Clark, B. Culbertson, Charles and Effie Edwards, B. Kingswood, S. Kingswood (compiler—3801 W. 13th, No. 413, Wichita, KS 67203), Eugene and Eulalia Lewis, M. Peterman, K. Redman,

Bob and Mobe Rucker, C. Smith, M. Stapanian, E. Stegall, C. Stout, J. Thurman, E. Wisdom.

Quivira N.W.R. Center Refuge subheadquarters as described in 1972. Habitat coverage: Grassland 50 per cent, cultivated lands 30 per cent, lakes and ponds 20 per cent. Dec. 20, 1978; 7:30 a.m. to 5:30 p.m.; 28-40 deg. F; Wind NW, 15-20 m.p.h. Six observers in 3 parties. Total party-hours, 27 (2 on foot, 25 by car). Total party-miles, 198 (3 on foot, 195 by car).

Canada Goose 10,800; White-fronted Goose 90; Snow Goose 1; Mallard 197,285; Pintail 200; American Green-winged Teal 1,100; American Widgeon 75; Common Goldeneye 6; Common Merganser 10; Red-tailed Hawk 29; Rough-legged Hawk 9; Golden Eagle 2; Bald Eagle 21; Marsh Hawk 57; American Kestrel 28; Bobwhite 48; Ring-necked Pheasant 36; Ring-billed Gull 18; Mourning Dove 2; Great Horned Owl 8; Short-eared Owl 2; Common (Yellow-shafted) Flicker 18; Common (Red-shafted) Flicker 32; Hairy Woodpecker 3; Downy Woodpecker 4; Blue Jay 13; Common Crow 384; Black-capped Chickadee 29; American Robin 23; Loggerhead Shrike 10; Starling 5; House Sparrow 60; meadowlark sp. 177; Red-winged Blackbird 1,311; Cardinal 14; Dark-eyed (Slate-colored) Junco 141; Dark-eyed (Oregon) Junco 15; Tree Sparrow 703; Harris' Sparrow 118; Song Sparrow 3. Total 38 species (2 additional races); about 212,893 individuals. In count area during count week, but not seen on count day: Killdeer.

B. Bartels, C. R. Darling (compiler—Box G, Stafford, KS 67578), W. Dale, G. Hunt, C. Marks, L. Wilson.

Redmond Reservoir. Center midway between Hartford, KS and John Redmond Dam. Habitat coverage: Grassland 60 per cent, deciduous forest 20 per cent, lake and streams 20 per cent. Dec. 28, 1978; 7:15 a.m. to 4:45 p.m.; Cloudy; 32-38 deg. F; Wind SE, 25-30 m.p.h.; no snow cover; streams mostly frozen. Six observers in 1 party. Total party-hours, 9.5 (6.5 on foot, 3 by car). Total party-miles, 74 (24 on foot, 50 by car).

Great Blue Heron 3; Canada Goose 1,200; Snow Goose 1,500; Snow Goose (blue morph) 800; Mallard 1,000; Pintail 5; Lesser Scaup 2; Common Merganser 600; Sharp-shinned Hawk 1; Red-tailed Hawk 2; Rough-legged Hawk 2; Bald Eagle 9; Marsh Hawk 22; American Kestrel 2; Bobwhite 26; Herring Gull 5; Ring-billed Gull 25; Mourning Dove 35; Great Horned Owl 2; Barred Owl 3; Common (Yellow-shafted) Flicker 6; Red-bellied Woodpecker 9; Red-headed Woodpecker 6; Downy Woodpecker 11; Blue Jay 27; Common Crow 20; Black-capped Chickadee 53; Tufted Titmouse 6; White-breasted Nuthatch 4; Red-breasted Nuthatch 1; Northern Mockingbird 2; American Robin 2; Ruby-crowned Kinglet 1; Starling 19; House Sparrow 28; Eastern Meadowlark 28; Brown-headed Cowbird 40; Cardinal 40; American Goldfinch 3; Rufous-sided Towhee 1; Dark-eyed (Slate-colored) Junco 42; Tree Sparrow 15; Harris' Sparrow 35; Song Sparrow 5; Lapland Longspur 25. Total 44 species; about 5,675 individuals.

Gilbert and Marie Leisman, M. Long, C. Ryan, E. J. Ryan (compiler—1820 Canterbury Rd., Emporia, KS 66801), H. Ryan.

Salina. Center Crawford and Ninth Streets, Salina, KS. Habitat coverage: Cultivated land, grassland, streams and pond, residential areas (no percentage breakdown given). Dec. 17, 1978; 7 a.m. to 5:30 p.m.; 23-38 deg. F; Wind 15-20 (no direction given). Thirty-eight observers in 4 parties. Total party-hours, 10.5 (?-Editor). Total party-miles, 550 (?-Editor).

Great Blue Heron 2; Canada Goose 77; Mallard 164; Gadwall 2; Wood Duck 1; Sharp-shinned Hawk 1; Cooper's Hawk 1; Red-tailed Hawk 49; Rough-legged Hawk 1; Ferruginous Hawk 1; Golden Eagle 1; Bald Eagle 1; Marsh Hawk 23; Prairie Falcon 2; American Kestrel 31; Greater Prairie Chicken 2; Bobwhite 143; Ring-necked Pheasant 39; Killdeer 2; Common Snipe 1; Ring-billed Gull 1; Rock Dove 213; Mourning Dove 57; Great Horned Owl 11; Belted Kingfisher 3; Common Flicker 6; Red-bellied Woodpecker 22; Yellow-bellied Sapsucker 2; Hairy Woodpecker 7; Downy Woodpecker 24; Horned Lark 1,719; Blue Jay 17; Black-

billed Magpie 1; Common Crow 109, Black-capped Chickadee 219; Tufted Titmouse 1; White-breasted Nuthatch 3; Brown Creeper 7; Winter Wren 1; Northern Mockingbird 1; Gray Catbird 1; American Robin 8; Townsend's Solitaire 4; Golden-crowned Kinglet 12; Loggerhead Shrike 1; Starling 963; House Sparrow 1,189; meadowlark sp. 1,145; Red-winged Blackbird 2,754; Brewer's Blackbird 1; Common Grackle 34; Brown-headed Cowbird 187; Cardinal 123; American Goldfinch 51; Rufous-sided Towhee 2; Dark-eyed Junco 200; Tree Sparrow 654; Harris' Sparrow 267; White-crowned Sparrow 1; Song Sparrow 43; Lapland Longspur 16. Total 61 species; about 10,264 individuals.

Ken and Mary Balthazar, Iralee and Ken Barnard, M. Bender, Jon and Karen Black, S. Burr, Dave and Nancy Clark, I. Cooper, Anne and Richard Courter, E. Dirks, Lou and Sharon Foster, S. Hetzke, Virginia and Wyman Hobson, R. Hough, D. Jackson, A. Jahn, R. Laubengayer, S. Law, H. Lear, Carrie, Charlie and Ivy Marsh, S. McCrae, D. Nemechek, H. Norburg, T. Shane, Marge and Ray Streckfus, J. Wachholz, N. Wilkinson, Les and Lois Zerbe (no compiler listed).

Sawyer. Center 2 miles north of Sawyer, Kansas. Habitat coverage: Cultivated land 75 per cent, stream borders 15 per cent, grassland 10 per cent. Dec. 22, 1978; 8 a.m. to 5 p.m.; 31-45 deg. F; Wind NW to S, 5-10 m.p.h. Six observers in 3 parties. Total party-hours, 27 (12 on foot, 15 by car). Total party-miles, 106 (16 on foot, 90 by car).

Great Blue Heron 2; Mallard 99; Sharp-shinned Hawk 1; Cooper's Hawk 3; Red-tailed Hawk 24; *Buteo* sp. 2; Golden Eagle 1; Marsh Hawk 16; Prairie Falcon 3; American Kestrel 15; Bobwhite 86; Ring-necked Pheasant 6; Turkey 80; Killdeer 2; Rock Dove 10; Mourning Dove 6; Great Horned Owl 3; Barred Owl 2; Belted Kingfisher 13; Common (Yellow-shafted) Flicker 8; Common (Red-shafted) Flicker 16; Red-bellied Woodpecker 21; Hairy Woodpecker 4; Downy Woodpecker 18; Horned Lark 519; Blue Jay 6; Common Crow 115; Black-capped Chickadee 53; Carolina Chickadee 16; Tufted Titmouse 9; White-breasted Nuthatch 6; Brown Creeper 13; Winter Wren 1; Carolina Wren 1; American Robin 1; Eastern Bluebird 8; Golden-crowned Kinglet 11; Ruby-crowned Kinglet 4; Loggerhead Shrike 6; Starling 866; House Sparrow 442; Western Meadowlark 773; Red-winged Blackbird 9,227; Rusty Blackbird 8; Brewer's Blackbird 14; Common Grackle 8; Brown-headed Cowbird 1,243; Cardinal 40; American Goldfinch 3; Rufous-sided Towhee 2; Dark-eyed (Slate-colored) Junco 76; Dark-eyed (Oregon) Junco 34; Dark-eyed Junco ssp. 294; Tree Sparrow 195; Field Sparrow 14; Harris' Sparrow 2; Song Sparrow 23; Lapland Longspur 767. Total 54 species (2 additional races); about 15,246 individuals. In count area during count week, but not seen on count day: Ring-billed Gull.

T. Brungardt, Sr., K. Bronson, B. Hlavachick (compiler—Box 54A, RR2, Pratt, KS 67125), C. Madson, M. Schwilling, B. Wood.

Topeka. Center State Capitol Building as described in 1972. Habitat coverage: as described in 1974. Dec. 16, 1978; 7:30 a.m. to 5:00 p.m.; Clear; 30-45 deg. F; Wind NW, 25-30 m.p.h.; no snow cover; water partly open. Twenty-nine observers in 8 parties with 5 at feeders. Total party-hours, 58 (26 on foot, 32 by car) plus 30 hours at feeders. Total party-miles, 295 (32 on foot, 263 by car).

Pied-billed Grebe 1; Canada Goose 2,675; White-fronted Goose 1,500; Snow Goose 5,000; Snow Goose (blue morph) 1,000; Mallard 2,960; Black Duck 1; Pintail 1; Ring-necked Duck 1; Hooded Merganser 5; Common Merganser 60; Sharp-shinned Hawk 2; Red-tailed Hawk 51; Rough-legged Hawk 1; Bald Eagle 1; Marsh Hawk 20; Prairie Falcon 1; American Kestrel 27; Bobwhite 55; American Coot 65; Killdeer 1; Herring Gull 5; Ring-billed Gull 77; Rock Dove 166; Mourning Dove 118; Great Horned Owl 8; Belted Kingfisher 5; Common (Yellow-shafted) Flicker 46; Common (Red-shafted) Flicker 9; Red-bellied Woodpecker 50; Red-headed Woodpecker 50; Yellow-bellied Sapsucker 6; Hairy Woodpecker 12; Downy Woodpecker 36; Horned Lark 8; Blue Jay 163; Common Crow 110; Black-capped Chickadee 120; Tufted Titmouse 38; White-breasted Nuthatch 13; Red-breasted Nuthatch 3; Brown Creeper 25; Carolina Wren 2; Northern Mockingbird 4; Brown

Thrasher 1; American Robin 10; Golden-crowned Kinglet 5; Ruby-crowned Kinglet 1; Loggerhead Shrike 6; Starling 3,017; House Sparrow 1,817; Eastern Meadowlark 278; Western Meadowlark 9; meadowlark sp. 1; Red-winged Blackbird 22; Common Grackle 54; Brown-headed Cowbird 4; Cardinal 107; Purple Finch 2; Pine Siskin 9; American Goldfinch 171; Dark-eyed (Slate-colored) Junco 459; Dark-eyed (Oregon) Junco 27; Tree Sparrow 99; Field Sparrow 1; Harris' Sparrow 58; White-crowned Sparrow 9; White-throated Sparrow 36; Fox Sparrow 1; Lincoln's Sparrow 1; Song Sparrow 19; Lapland Longspur 67. Total 68 species (2 additional races); about 20,793 individuals. In count area during count week, but not seen on count day: Gadwall, American Widgeon, Redhead, Canvasback, Lesser Scaup, Gray Catbird.

Andrew and Peggy Barber, J. Brier, H. Bryan, Patricia and Randy Carman, Arline and Bob Delker, R. Glazier, Dean and Gladys Grisell, K. Irwin, S. Johnson, Cecilia and Randy Jones, M. Konopaska, Eugene and Eulalia Lewis, W. Maus, B. May, S. Merrill, E. Naethe, O. Rice (compiler—1627 W. 28th, Topeka, KS 66611), E. Skidmore, D. Vausbinder, E. Willett, M. Willis, P. Willis, R. Young (Topeka Audubon Society).

**Wichita.** Center confluence of Arkansas and Little Arkansas rivers. Habitat coverage: Streams and ponds 35 per cent, deciduous forest 30 per cent, residential areas 20 per cent, cultivated lands 15 per cent. Dec. 16, 1978; 8 a.m. to 5 p.m.; clear; 31-47 deg. F; Wind NW, 10-33 m.p.h.; Water partly open. Twenty-five observers in 4 parties. Total party-hours, 34 (20 on foot, 14 by car). Total party-miles, 261 (22 on foot, 239 by car).

Canada Goose 25; Mallard 326; Gadwall 64; Pintail 9; American Green-winged Teal 5; American Widgeon 90; Northern Shoveler 1; Redhead 2; Ring-necked Duck 11; Canvasback 10; Lesser Scaup 7; Common Goldeneye 33; Bufflehead 1; Hooded Merganser 4; Common Merganser 1; Sharp-shinned Hawk 1; Red-tailed Hawk 32; Rough-legged Hawk 3; Marsh Hawk 6; Merlin 1; American Kestrel 18; Bobwhite 28; Ring-necked Pheasant 2; American Coot 20; Killdeer 5; Ring-billed Gull 190; Rock Dove 223; Mourning Dove 40; Screech Owl 1; Great Horned Owl 4; Belted Kingfisher 3; Common (Yellow-shafted) Flicker 25; Common (Red-shafted) Flicker 3; Red-bellied Woodpecker 6; Yellow-bellied Sapsucker 2; Hairy Woodpecker 1; Downy Woodpecker 15; Horned Lark 309; Blue Jay 18; Common Crow 3,150; Black-capped Chickadee 37; Carolina Chickadee 4; Tufted Titmouse 22; White-breasted Nuthatch 1; Red-breasted Nuthatch 13; Brown Creeper 5; Northern Mockingbird 10; Gray Catbird 2; Brown Thrasher 2; American Robin 20; Townsend's Solitaire 2; Loggerhead Shrike 4; Starling 7,005; House Sparrow 1,650; Eastern Meadowlark 85; Western Meadowlark 2; meadowlark sp. 557; Yellow-headed Blackbird 1; Red-winged Blackbird 1,007,700; Rusty Blackbird 1; Brewer's Blackbird 3; Great-tailed Grackle 920; Common Grackle 17; Brown-headed Cowbird 700; Cardinal 122; Purple Finch 1; Pine Siskin 26; American Goldfinch 361; Rufous-sided Towhee 25; Dark-eyed (Slate-colored) Junco 832; Dark-eyed (Oregon) Junco 4; Tree Sparrow 106; Field Sparrow 1; Harris' Sparrow 464; White-crowned Sparrow 1; White-throated Sparrow 16; Song Sparrow 30. Total 74 species (2 additional races); about 1,025,447 individuals.

Albert and Pearlanna Briggs, Carolee and Louis Bussjaeger, John, Richard and Walker Butin, W. Champeny (compiler—RR1, Oxford, KS 67119), D. Ferguson, J. Fisher, Bev and Ruth Hodges, S. Jehle, D. Larson, Mike and Nancy Lesan, E. McCrillis, N. McDonald, Jean and Miriam Roark, Eddie and Savilla Stegall, D. Tucker, D. Vannoy, R. Wiley.

**Wilson Reservoir.** Center as described in 1977. Habitat coverage: not given. Dec. 23, 1978; 7 a.m. to 3 p.m.; partly cloudy; 21-48 deg. F; Wind WSW, 5 m.p.h. (a.m.), NW, 10 m.p.h. (p.m.). Streams open, lake 5 per cent ice cover. Two observers in 1 party. Total party-hours, 8 (no breakdown given). Total party-miles, 85 (75 by car, 10 on foot).

Pied-billed Grebe 5; Great Blue Heron 1; Canada Goose 1; Mallard 2,531; Gadwall 17; American Green-winged Teal 1; Redhead 1; Common Goldeneye 26;

Common Merganser 5,066; Red-tailed Hawk 16; Rough-legged Hawk 2; Bald Eagle 29; Marsh Hawk 25; Prairie Falcon 3; American Kestrel 17; Greater Prairie Chicken 21; Bobwhite 51; Ring-necked Pheasant 17; American Coot 7; Common Snipe 3; Herring Gull 3; Ring-billed Gull 42; Rock Dove 4; Great Horned Owl 7; Belted Kingfisher 3; Common (Yellow-shafted) Flicker 2; Common (Red-shafted) Flicker 3; Red-bellied Woodpecker 2; Hairy Woodpecker 2; Downy Woodpecker 3; Horned Lark 81; Blue Jay 9; Black-billed Magpie 4; Common Crow 6; Black-capped Chickadee 35; White-breasted Nuthatch 1; Brown Creeper 1; Northern Mockingbird 1; American Robin 20; Loggerhead Shrike 2; Starling 60; House Sparrow 26; Western Meadowlark 109; Red-winged Blackbird 3,385; Cardinal 5; American Goldfinch 25; Dark-eyed (Slate-colored) Junco 52; Dark-eyed (Oregon) Junco 2; Tree Sparrow 1,085; Harris' Sparrow 132; White-crowned Sparrow 2; White-throated Sparrow 1; Song Sparrow 12. Total 51 species (2 additional races); about 12,967 individuals. In count area during count week, but not seen on count day: Pintail, American Widgeon, Sharp-shinned Hawk, Golden Eagle, Killdeer, Mourning Dove.

Tom Cannon, Charles Hall (compiler—Wilson Project Office, U.S. Army Corps Engineers, RR2, Box 141, Sylvan Grove, KS 67481).

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