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MID-WINTER BIRD COUNT FOR 1979

John L. Zimmerman

The Kansas mid-winter bird count for this past season defies characterization, except that severe weather had come early to the west but then moderated and never affected most of the count areas until after censuses had been completed. To many it was a longspur winter with thousands of Lapland Longspurs in the west and tens to hundreds spread throughout the east. Furthermore, all the longspurs (except the Snow Bunting) were seen in the state with Chestnut-collared at Morton County, Goodland and Hays, McCown's at Morton County, and Smith's at Emporia. Chuck Ely commented that because of the heavy fog's reducing visibility to around 100 meters the longspur situation was very frustrating. Like Kipling's Ethiopian, he could hear longspurs (even smell longspurs?), but he could not count all the longspurs that were most assuredly out there in the fog somewhere close.

It was also a hackberry winter, which means it was a robin winter. Over ten thousand on counts in the Big Blue Valley (Fostoria and Manhattan), from two to five thousand at Lawrence, Junction City and Baldwin City, and over a thousand at Arkansas City and Kanopolis. Most of these areas recorded large numbers of Cedar Waxwings as well.

It was a falcon winter. Prairie falcons were reported on many counts across the state—Dodge City, Goodland, Hays, Kanopolis, Morton County, Quivera, Wichita and as far east as Manhattan, Emporia and Elk City. Merlins were present at Arkansas City, Goodland, Emporia, Manhattan, Morton County, Pomona Reservoir and Wichita. The numbers of Sharp-shinned Hawks, on the other hand, were low.

The mild weather was perhaps responsible for the large numbers of Brown Thrashers (on 11 counts), Long-billed Marsh Wrens (on 5 censuses) and Ruby-crowned Kinglets (6 censuses) and the cause of lingering Eared Grebes at Dodge City and Manhattan, Blue-winged Teal in Linn County, a Ruddy Duck at Kanopolis, four Semipalmated Plovers at Manhattan (new for the Kansas count), a White-necked Raven and Rock Wrens in Morton County, a Short-billed Marsh Wren in Junction City, a Hermit Thrush at Topeka, Water Pipits at Udall-Winfield and Lawrence, an Orange-crowned Warbler at Kansas City, over 300 Lark Buntings in Morton County, Savannah Sparrows at Manhattan and Morton County, Vesper Sparrows at Wichita and Morton County, and Lark Sparrow and Chipping Sparrow at Lawrence. The 5 White Pelicans seen on the Junction City count were apparently not enjoying the good weather, but had been restrained by their becoming entangled in fishing line. At least one of the birds was subsequently captured by Fish and Game personnel, unhooked, and was last seen heading south out of the count area.

But Killdeers were scarce, occurring on only 9 counts; Pied-billed Grebes even scarcer. Bobwhite were low in numbers everywhere and missing on counts where they have always been expected (Pittsburg). The population of the Carolina Wren is still depressed after a succession of harsh winters. Northern finches were infrequent again this winter with few Pine Siskins and Purple Finches being found and no redpolls seen at all, but there was a Red Crossbill at Goodland and Evening Grosbeaks at Junction City.

In addition to the Semipalmated Plover at Manhattan, Morton County added another new species to the Kansas mid-winter count list by discovering five Say's Phoebes (and an additional sixth not seen on count day) scattered throughout the count circle, especially along the Cimarron River. Morton County also spoiled the moment for which the people at Hays had been waiting for a long time, finally recording a Gray-headed Junco on count day; but Morton County saw two of this species now newly added to the Kansas winter census list. This brings the cumulative total to 215 species since 1949.

Participation by Kansas birders was good this year with counts received from 27 areas, a number exceeded only by the 30 censuses completed in 1977. This year's species total of 140 is also only surpassed by the 142 species discovered on the 1977 count. The number of observers this year, 443, is the lowest since 1975, but is still above the average of 380 for the last decade. Manhattan again had the highest species total at 92, but Emporia, Junction City, Lawrence and Wichita all found over 70 species. Manhattan also had the largest number of participants with 78, followed by Lawrence with 55, and Topeka a distant third at 32. More worthy of note, however, are the excellent counts conducted by groups of five or less—Camp Naish, Elk City Reservoir, Fostoria, Kanopolis, Olathe, Quivera National Wildlife Refuge, and Wilson Reservoir. Furthermore, the value of good coverage across the state by the efforts of all is emphasized by the fact that 28 species were recorded on only one count. Morton County had 7 unique species; Manhattan, Junction City and Lawrence each had 3; Emporia, Goodland and Quivera each had 2; Topeka, Wichita, Linn County, Kansas City, and Baldwin City each had one species found on no other count. An additional 12 species were recorded at only two areas.

Arkansas City. 37° 02' N, 97° 02' W. Center intersection of US-77 and the Arkansas River. Habitat coverage: oldfields and fence-rows 40 per cent, grassland 20 per cent, residential 20 per cent, lakes and rivers 10 per cent, cultivated fields 10 per cent. Dec. 29, 1979. 8:00 a.m. to 5:00 p.m.; 35° F to 38° F; wind N, 0-10 m.p.h. Twenty observers in 7 parties. Total party-hours 62 (21 on foot, 41 by car). Total party-miles 291 (26 on foot, 265 by car).

Great Blue Heron 3; Lesser Scaup 12; Common Goldeneye 7; Bufflehead 1; Common Merganser 3; Cooper's Hawk 1; Red-tailed Hawk 32; Red-tailed (Harlan's) Hawk 5; Bald Eagle 2; Marsh Hawk 17; Merlin 3; American Kestrel 27; Bobwhite 56; Turkey 6; Ring-billed Gull 17; Rock Dove 272; Mourning Dove 6; Screech Owl 1; Great Horned Owl 5; Barred Owl 3; Belted Kingfisher 6; Common (Yellow-shafted) Flicker 61; Common (Red-shafted) Flicker 16; Common Flicker ssp. 10; Pileated Woodpecker 2; Red-bellied Woodpecker 63; Red-headed Woodpecker 7; Yellow-bellied Sapsucker 1; Hairy Woodpecker 11; Downy Woodpecker 70; Horned Lark 500; Blue Jay 139; Common Crow 291; Black-capped Chickadee 1; Carolina Chickadee 337; Tufted Titmouse 68; White-breasted Nuthatch 33; Brown Creeper 15; Bewick's Wren 1; Mockingbird 13; American Robin 1230; Golden-crowned Kinglet 7; Ruby-crowned Kinglet 5; Cedar Waxwing 360; Loggerhead Shrike 5; Starling 5408; Yellow-rumped Warbler 1; House Sparrow 1770; Eastern Meadowlark 39; Western Meadowlark 1; meadowlark sp. 236; Red-winged Blackbird 1310; Rusty Blackbird 77; Brewer's Blackbird 250; Common Grackle 5; Brown-headed Cowbird 23; Cardinal 201; American Goldfinch 94; Rufous-sided Towhee 9; Dark-eyed (Slate-colored) Junco 456; Dark-eyed (Oregon) Junco 7; Tree Sparrow 870; Harris' Sparrow 979; White-crowned Sparrow 11; White-throated Sparrow 1; Song Sparrow 48. Total 61 species (3 additional subspecies); about 15,527 individuals.

L. Bussjaeger, W. Champeny (compiler—RR 1, Oxford, KS 67119), H. Chaplin, M. Fell, Bev and Ruth Hodges, D. Kilby, Mike and Nancy Lesan, A. Norhof, R. Ramsdale, Jean and Miriam Roark, David and Cathy Seibel, D. Vannoy, Ralph and Mary Wiley, A. Williams, L. Williams.

Baldwin City. 38° 47' N, 95° 16' W. Center junction of Hwys 56 and 59. Habitat coverage: oldfields and fence rows 26 per cent, upland deciduous forest 17 per cent,

cultivated fields 15 per cent, grassland 14 per cent, riparian forest 11 per cent, lakes and rivers 11 per cent, juniper stands 3 per cent, residential 2 per cent, marsh 1 per cent. Dec. 16, 1979. 5:30 a.m. to 5:15 p.m.; 10° F to 13° F; wind N to NW, gusty, 15-30 m.p.h.; waters partly frozen; no snow cover; mostly cloudy a.m. and mostly clear p.m. Thirty-one observers in 10 parties. Total party-hours 77 (22 on foot, 55 by car) plus 3 hrs. owling. Total party-miles 550 (24 on foot, 526 by car) and 16 miles owling.

Snow Goose (white morph) 1510; Snow Goose (blue morph) 2; Mallard 1270; Gadwall 62; Am. Green-winged Teal 9; American Widgeon 2; Redhead 29; Ring-necked Duck 13; Canvasback 7; Lesser Scaup 70; Common Merganser 7; Sharp-shinned Hawk 1; Red-tailed Hawk 50; Rough-legged Hawk 3; *Buteo* sp. 7; Bald Eagle 1; Marsh Hawk 14; American Kestrel 15; Bobwhite 32; Killdeer 1; Rock Dove 25; Mourning Dove 20; Screech Owl 4; Great Horned Owl 3; Barred Owl 2; Long-eared Owl 1; Belted Kingfisher 2; Common (Yellow-shafted) Flicker 78; Common (Red-shafted) Flicker 4; Common Flicker ssp. 2; Red-bellied Woodpecker 87; Red-headed Woodpecker 57; Yellow-bellied Sapsucker 10; Hairy Woodpecker 23; Downy Woodpecker 123; Horned Lark 203; Blue Jay 134; Common Crow 294; Black-capped Chickadee 236; Tufted Titmouse 32; White-breasted Nuthatch 19; Brown Creeper 2; Winter Wren 2; Mockingbird 9; American Robin 2825; Eastern Bluebird 28; Golden-crowned Kinglet 2; Ruby-crowned Kinglet 2; Cedar Waxwing 2087; Loggerhead Shrike 2; Starling 233; House Sparrow 1174; Eastern Meadowlark 37; Western Meadowlark 1; meadowlark sp. 232; Red-winged Blackbird 36; Brewer's Blackbird 1; Common Grackle 1; Brown-headed Cowbird 92; Cardinal 273; American Goldfinch 310; Rufous-sided Towhee 2; LeConte's Sparrow 1 (no details-Ed.); Dark-eyed (Slate-colored) Junco 1126; Dark-eyed (Oregon) Junco 7; Tree Sparrow 1071; Field Sparrow 2; Harris' Sparrow 101; White-crowned Sparrow 13; White-throated Sparrow 1; Fox Sparrow 1; Lincoln's Sparrow 4; Swamp Sparrow 2; Song Sparrow 26; Lapland Longspur 44. Total 69 species (2 additional subspecies); about 14,219 individuals.

A. Betts, Ivan and Margaret Boyd, R. Boyd (compiler—Biol. Dept., Baker Univ., Baldwin City, KS 66006), J. Brier, Al and Shirley Caler, J. Cane, C. Cink, K. Davids, I. Davis, L. E. Eberwein, R. Fauhl, K. Kelley, D. Larson, D. LaShelle, E. M. and E. R. Lewis, H. Levenson, P. Lowther, Becky and Danny McMillen, G. Otis, M. Pankratz, M. Pressgrove, T. Rodhouse, D. Stout, J. Vaughn, G. Walters, J. Zemple, L. V. Zemple.

Camp Naish. (no coordinates given). Center dining area of central camp. Habitat coverage: riparian forest 52 per cent, upland deciduous forest 35 per cent, swamp 8 per cent, grassland 5 per cent. Dec. 29, 1979. 6:15 a.m. to 7:30 p.m.; 34° F to 39° F; wind 0 m.p.h.; all waters open; no snow cover; overcast. Four observers in 1 party. Total party-hours 8 (7.5 on foot, 0.5 by car) plus 1.25 hrs. owling. Total party-miles 10.5 (8 on foot, 2.5 by car) and 2 miles owling.

Sharp-shinned Hawk 1; Red-tailed Hawk 3; *Buteo* sp. 1; American Kestrel 2; Killdeer 1; Rock Dove 2; Great Horned Owl 3; Belted Kingfisher 2; Common (Yellow-shafted) Flicker 6; Red-bellied Woodpecker 4; Red-headed Woodpecker 2; Hairy Woodpecker 1; Downy Woodpecker 17; Blue Jay 11; Common Crow 5; Black-capped Chickadee 77; Tufted Titmouse 27; White-breasted Nuthatch 7; Carolina Wren 2; American Robin 8; Golden-crowned Kinglet 8; Cardinal 24; Purple Finch 12; Pine Siskin 20; American Goldfinch 32; Rufous-sided Towhee 2; Dark-eyed (Slate-colored) Junco 70; Dark-eyed Junco ssp. 18; Song Sparrow 3. Total 27 species; about 371 individuals.

C. Duncan (compiler—2908 W. 9th, Lawrence, KS 66044), I. McCall, M. Mills, J. R. Sutton.

Dodge City. 37° 46' N, 99° 58' W. Center 2 miles east of St. Mary of the Plains College. Habitat coverage: grasslands 40 per cent, riparian woodland 20 per cent, lakes and rivers 25 per cent, residential 15 per cent. Dec. 15, 1979, 7:45 a.m. to 5:45 p.m.; 26° F to 54° F; wind SW, 5-10 m.p.h.; waters mostly open; mostly clear. Six

observers in 3 parties. Total party-hours 25 (8 on foot, 17 by car) plus 9 hrs. at feeders. Total party-miles 196 (9 on foot, 187 by car).

Eared Grebe 1 (good details—Ed.); Mallard 78; Pintail 3; American Widgeon 4; Red-tailed Hawk 5; Rough-legged Hawk 2; Ferruginous Hawk 1; Marsh Hawk 6; Prairie Falcon 2; American Kestrel 5; Ring-necked Pheasant 56; Killdeer 2; Herring Gull 1; Rock Dove 63; Screech Owl 1; Great Horned Owl 5; Common (Yellow-shafted) Flicker 7; Common (Red-shafted) Flicker 26; Red-bellied Woodpecker 1; Hairy Woodpecker 2; Downy Woodpecker 1; Horned Lark 178; Blue Jay 4; Black-billed Magpie 57; Common Crow 30; Black-capped Chickadee 7; Red-breasted Nuthatch 1; Brown Creeper 2; Brown Thrasher 1; American Robin 103; Townsend's Solitaire 5; Cedar Waxwing 18; Starling 1862; House Sparrow 937; Western Meadowlark 278; Common Grackle 2; Cardinal 6; House Finch 7; Pine Siskin 4; Rufous-sided Towhee 1; Dark-eyed (Slate-colored) Junco 270; Dark-eyed (Oregon) Junco 39; Tree Sparrow 420; Harris' Sparrow 289; White-crowned Sparrow 72; Lapland Longspur 244. Total 44 species (2 additional subspecies); about 5,109 individuals. Seen in area during count period, but not on count day—Mockingbird.

L. Bevers, M. Bleumer, A. Brazzo, J. Challans (compiler—2415 Hart, Dodge City, KS 67801), J. Davis, H. Moore, J. O'Keefe, K. Pitetti.

Elk City Reservoir. 37° 15' N, 95° 51' W. Center Card Creek. Habitat coverage: cultivated fields 60 per cent, lakes and rivers 25 per cent, riparian forest 15 per cent. Dec. 23, 1979. 7:30 a.m. to 5:30 p.m.; 40° F to 43° F; wind calm; overcast. Two observers in 1 party. Total party-hours 8 (2 on foot, 6 by car) plus 1 hr. owling. Total party-miles 72 (4 on foot, 68 by car) and 10 hrs. owling.

Great Blue Heron 14; Canada Goose 700; Snow Goose (white morph) 6000; Snow Goose (blue morph) 1000; Mallard 200; Lesser Scaup 100; Red-tailed Hawk 4; Rough-legged Hawk 5; Bald Eagle 3; Marsh Hawk 8; Prairie Falcon 1; American Kestrel 9; Bobwhite 13; Ring-billed Gull 5; Rock Dove 8; Mourning Dove 5; Great Horned Owl 2; Common (Yellow-shafted) Flicker 5; Common (Red-shafted) Flicker 1; Red-bellied Woodpecker 5; Red-headed Woodpecker 1; Yellow-bellied Sapsucker 1; Downy Woodpecker 3; Blue Jay 7; Common Crow 34; Carolina Chickadee 2; Mockingbird 1; American Robin 2; Loggerhead Shrike 12; Starling 15; House Sparrow 200; Eastern Meadowlark 193; Red-winged Blackbird 2000; Brewer's Blackbird 1000; Brown-headed Cowbird 5; Cardinal 15; Purple Finch 2; American Goldfinch 10; Dark-eyed (Slate-colored) Junco 56; Tree Sparrow 35; Harris' Sparrow 80; White-crowned Sparrow 42; Song Sparrow 2. Total 41 species (1 additional subspecies); about 11,806 individuals.

Hilbert and Sylvia Albright (compiler—Box 258, Longton, KS 67352.).

Emporia. 38° 27' N, 96° 05' W. Center 1 mi. south of Lang. Habitat coverage: grassland 60 per cent, riparian forest 25 per cent, lakes and rivers 10 per cent, residential 5 per cent. Dec. 16, 1979. 6:30 a.m. to 5:30 p.m. 8° F to 15° F; wind NW, 15-35 m.p.h.; water mostly open; no snow cover. Twenty-one observers in 11 parties. Total party-hours 101.25 (40 on foot, 61.25 by car) plus 3 hrs. owling. Total party-miles 498 (49 on foot, 449 by car).

Canada Goose 2; Mallard 1385; Black Duck 3; Gadwall 1; Pintail 5; Am. Green-winged Teal 25; American Widgeon 5; Redhead 1; Lesser Scaup 60; Common Goldeneye 10; Bufflehead 9; Common Merganser 12; Sharp-shinned Hawk 1; Red-tailed Hawk 40; Rough-legged Hawk 5; Marsh Hawk 32; Prairie Falcon 1; Merlin 1 (excellent details—Ed.); American Kestrel 21; Greater Prairie Chicken 7; Bobwhite 105; American Coot 1; Ring-billed Gull 1; Rock Dove 70; Mourning Dove 126; Screech Owl 3; Great Horned Owl 12; Barred Owl 3; Long-eared Owl 1; Common (Yellow-shafted) Flicker 66; Common (Red-shafted) Flicker 5; Red-bellied Woodpecker 79; Red-headed Woodpecker 12; Yellow-bellied Sapsucker 7; Hairy Woodpecker 24; Downy Woodpecker 105; Horned Lark 882; Blue Jay 86; Common Crow 155; Black-capped Chickadee 375; Tufted Titmouse 40; White-breasted Nuthatch 28; Red-breasted Nuthatch 4; Brown Creeper 70; Winter Wren 2;

Carolina Wren 1; Mockingbird 3; American Robin 472; Eastern Bluebird 4; Townsend's Solitaire 1; Golden-crowned Kinglet 6; Cedar Waxwing 238; Loggerhead Shrike 5; Starling 2262; House Sparrow 1205; Eastern Meadowlark 310; Western Meadowlark 2; Red-winged Blackbird 2542; Rusty Blackbird 41; Common Grackle 12; Brown-headed Cowbird 2299; Cardinal 348; Pine Siskin 8; American Goldfinch 117; Rufous-sided Towhee 4; Dark-eyed (Slate-colored) Junco 648; Dark-eyed (Oregon) Junco 15; Tree Sparrow 1080; Field Sparrow 1; Harris' Sparrow 373; White-crowned Sparrow 19; White-throated Sparrow 3; Lincoln's Sparrow 1; Swamp Sparrow 12; Song Sparrow 16; Lapland Longspur 1932; Smith's Longspur 1 (excellent details). Total 75 species (2 additional subspecies); about 17,869 individuals. Seen in area during count period, but not on count day—Ruby-crowned Kinglet.

B. Berger, M. Bowen, J. Breukelman, J. Hansen, D. Laird, L. Laird, R. Laird, G. Leisman, M. Leisman, D. Milsap, D. Neufeld, J. Parrish, D. Patton, W. Rhoades, E. Schulenberg, J. Schulenberg (compiler—Route 1, Admire, KS 66830), M. Schwilling, R. Seaman, L. Smith, K. Tabor, A. Tubbs.

Fostoria. 39° 30' N, 96° 30' W. Center 3 miles north of Fostoria. Habitat coverage: grassland 55 per cent, oldfields and fence rows 25 per cent, cultivated fields 14 per cent, upland deciduous forest 5 per cent, lakes and rivers 1 per cent. Dec. 26, 1979. 8:00 a.m. to 4:30 p.m.; 28° F to 30° F; wind NE, 6-8 m.p.h.; waters partly frozen; overcast. Four observers in 1 party. Total party-hours 8.5 (0.5 on foot, 8 by car). Total party-miles 40 (2 on foot, 38 by car).

Canada Goose 130; Mallard 96; Cooper's Hawk 4; Red-tailed Hawk 13; Rough-legged Hawk 1; Marsh Hawk 5; American Kestrel 6; Bobwhite 11; Ring-necked Pheasant 2; Killdeer 2; Rock Dove 19; Mourning Dove 132; Great Horned Owl 2; Belted Kingfisher 3; Common (Yellow-shafted) Flicker 14; Common (Red-shafted) Flicker 1; Red-bellied Woodpecker 16; Red-headed Woodpecker 166; Hairy Woodpecker 5; Downy Woodpecker 16; Blue Jay 94; Common Crow 215; Black-capped Chickadee 26; White-breasted Nuthatch 3; Brown Creeper 4; American Robin 10010; Eastern Bluebird 52; Cedar Waxwing 530; Loggerhead Shrike 2; Starling 96; House Sparrow 585; Red-winged Blackbird 42; Cardinal 62; American Goldfinch 235; Dark-eyed (Slate-colored) Junco 128; Tree Sparrow 236; Harris' Sparrow 104. Total 36 species (1 additional subspecies); about 13,068 individuals. Seen in area during count period, but not on count day—Greater Prairie Chicken, Yellow-bellied Sapsucker, Horned Lark, Tufted Titmouse, Mockingbird.

Bernard and Rowena Plummer, Eunice (compiler—Box 5, Fostoria, KS 66426) and Howard Webster.

Goodland. 39° 17' N, 101° 47' W. Center 4 miles south I-70, 2 miles west K-27. Habitat coverage: cultivated fields 50 per cent, riparian woodland 20 per cent, residential 20 per cent, oldfields and fence rows 10 per cent. Dec. 22, 1979. 7:00 a.m. to 4:00 p.m.; 30° F to 35° F; wind NE to NW, 6-14 m.p.h.; water partly open; 2-4" snow over; overcast with snow, sometimes heavy, in a.m. Six observers in 1 party. Total party-hours 9 (4 on foot, 5 by car). Total party-miles 89 (9 on foot, 80 by car).

Red-tailed Hawk 1; Rough-legged Hawk 1; Marsh Hawk 7; Prairie Falcon 2; Merlin 1; Ring-necked Pheasant 11; Rock Dove 30; Mourning Dove 5; Great Horned Owl 4; Common (Yellow-shafted) Flicker 2; Common (Red-shafted) Flicker 7; Downy Woodpecker 4; Horned Lark 5500; Common Crow 3; White-breasted Nuthatch 2; Long-billed Marsh Wren 4 (no details—Ed.); Townsend's Solitaire 1; Northern Shrike 1 (good details—Ed.); Starling 28; House Sparrow 200; Western Meadowlark 65; Red-winged Blackbird 200; House Finch 20; Pine Siskin 5; American Goldfinch 23; Red Crossbill 1 (good details—Ed.); Dark-eyed (Slate-colored) Junco 30; Dark-eyed (Oregon) Junco 300; Tree Sparrow 1000; Harris' Sparrow 5; White-crowned Sparrow 1; White-throated Sparrow 1; Song Sparrow 18; Lapland Longspur 2000; Chestnut-collared Longspur 12. Total 33 species (2 additional subspecies); about 9,495 individuals.

E. Gray, Tracy and Troy Lake, E. Palmquist, J. Palmquist (compiler—1521 Clark, Goodland, KS 67735), T. Shane.

Halstead-Newton. 38° 04' N, 97° 28' W. Center 5.75 miles NE Halstead. Habitat coverage: riparian woodland 50 per cent, cultivated fields 15 per cent, oldfields and fence rows 8 per cent, grassland 6 per cent, residential 5 per cent, lakes and rivers 3 per cent, marsh 1 per cent. Dec. 15, 1979. 7:15 a.m. to 5:30 p.m.; 29° F to 48° F; wind SW, 10-25 m.p.h.; water partly open; no snow cover; clear. Nineteen observers in 7 parties. Total party-hours 63 (42 on foot, 21 by car) and 5 hrs. at feeders. Total party-miles 325 (42 on foot, 283 by car).

Mallard 64; Sharp-shinned Hawk 4; Cooper's Hawk 1; Red-tailed Hawk 20; Rough-legged Hawk 10; *Buteo* sp. 7; Marsh Hawk 18; American Kestrel 23; Bobwhite 54; Ring-necked Pheasant 22; Rock Dove 110; Mourning Dove 51; Screech Owl 1; Great Horned Owl 18; Belted Kingfisher 1; Common (Yellow-shafted) Flicker 35; Common (Red-shafted) Flicker 8; Common Flicker ssp. 21; Red-bellied Woodpecker 20; Yellow-bellied Sapsucker 1; Hairy Woodpecker 8; Downy Woodpecker 45; Horned Lark 437; Blue Jay 54; Common Crow 721; Black-capped Chickadee 242; Tufted Titmouse 22; White-breasted Nuthatch 10; Red-breasted Nuthatch 2; Brown Creeper 29; Winter Wren 1; Mockingbird 1; Brown Thrasher 2; American Robin 33; Golden-crowned Kinglet 19; Ruby-crowned Kinglet 1; Cedar Waxwing 12; Loggerhead Shrike 1; Starling 1893; House Sparrow 1276; Western Meadowlark 48; meadowlark sp. 407; Red-winged Blackbird 1319; Rusty Blackbird 21; Common Grackle 7; Brown-headed Cowbird 22; Cardinal 50; American Goldfinch 32; Rufous-sided Towhee 4; Dark-eyed (Slate-colored) Junco 402; Dark-eyed (Oregon) Junco 6; Tree Sparrow 244; Field Sparrow 1; Harris' Sparrow 397; Song Sparrow 15. Total 50 species (2 additional subspecies); about 8,273 individuals.

B. Akin, V. Classen, J. Hershberger, P. Janzen, W. Kaufman, D. Krehbiel, J. Moyer, B. Nelson, J. Newton, N. Pankratz, D. Platt (compiler—RFD 2, Box 209, Newton, KS 67114), B. Regier, J. Torline, P. Unrau, M. Voth, N. Voth, W. Voth, B. Waltner, B. Warkentine (Harvey County Natural History Association).

Hays. 38° 47' N, 99° 23' W. Center 3.5 miles S, 4 miles W of Hays, KS. Habitat coverage: riparian woodland 40 per cent, cultivated fields 30 per cent, grassland 20 per cent, lakes and rivers 5 per cent, residential 5 per cent. Dec. 22, 1979. 7:45 a.m. to 5:45 p.m.; 28° F to 40° F; wind NE, 0-8 m.p.h.; streams open, lakes partly open; overcast and foggy with visibility less than 100 M. Six observers in 3 parties. Total party-hours 20 (14 on foot, 6 by car). Total party-miles 133 (15 on foot, 118 by car).

Great Blue Heron 1; Gadwall 8; Cooper's Hawk 1; Red-tailed Hawk 6; Rough-legged Hawk 6; Ferruginous Hawk 2; Golden Eagle 1; Bald Eagle 1; Marsh Hawk 2; Prairie Falcon 1; American Kestrel 8; Bobwhite 13; Ring-necked Pheasant 30; Common Snipe 2; Rock Dove 120; Mourning Dove 53; Great Horned Owl 8; Belted Kingfisher 4; Common (Yellow-shafted) Flicker 7; Common (Red-shafted) Flicker 15; Common Flicker ssp. 16; Red-bellied Woodpecker 3; Yellow-bellied Sapsucker 2; Hairy Woodpecker 4; Downy Woodpecker 14; Horned Lark 406; Blue Jay 6; Black-billed Magpie 2; Common Crow 22; Black-capped Chickadee 47; White-breasted Nuthatch 1; Red-breasted Nuthatch 4; Brown Creeper 7; Long-billed Marsh Wren 3 (no details—Ed.); Brown Thrasher 1; American Robin 17; Eastern Bluebird 3; Townsend's Solitaire 3; Golden-crowned Kinglet 1; Cedar Waxwing 60; Loggerhead Shrike 1; Starling 244; House Sparrow 644; Western Meadowlark 126; Red-winged Blackbird 240; Common Grackle 7; Brown-headed Cowbird 13; Cardinal 7; House Finch 2; American Goldfinch 3; Dark-eyed (Slate-colored) Junco 101; Dark-eyed (Oregon) Junco 24; Gray-headed Junco 1 (excellent details—Ed.); Tree Sparrow 765; Harris' Sparrow 147; White-crowned Sparrow 28; White-throated Sparrow 1; Song Sparrow 7; Lapland Longspur 3102; Chestnut-collared Longspur 11. Total 57 species (2 additional subspecies); about 6,385 individuals.

D. Cooper, S. Cooper, C. Ely (compiler—Dept. Biology, Fort Hays State Univ., Hays, KS 67601), W. Macy, A. L. Steele, M. Rolfs.

Junction City. 39° 02' N, 96° 50' W. Center I-70 roadside park west Junction City, KS. Habitat coverage: grassland 36 per cent, cultivated fields 20 per cent, upland

deciduous forest 15 per cent, coniferous stands 10 per cent, lakes and rivers 10 per cent, oldfields and fence rows 3 per cent, riparian forest 3 per cent, marsh 2 per cent, residential 1 per cent. Dec. 23, 1979. 4:00 a.m. to 5:00 p.m.; 30° F to 44° F; wind N, 5 m.p.h.; water mostly open; light fog and low overcast. Nineteen observers in 7 parties. Total party-hours 46 (16 on foot, 24 by car, 6 by canoe) plus 5 hrs. owling and 1 hr. at feeders. Total party-miles 280 (24 on foot, 251 by car, 5 by canoe) and 37 miles owling.

White Pelican 5; Double-crested Cormorant 1; Canada Goose 20; Mallard 7921; Gadwall 40; Am. Green-winged Teal 2; Lesser Scaup 2; Common Goldeneye 95; Bufflehead 2; Common Merganser 552; Sharp-shinned Hawk 2; Cooper's Hawk 4; Red-tailed Hawk 49; Red-tailed (Harlan's) Hawk 2; Rough-legged Hawk 3; Bald Eagle 4; Marsh Hawk 16; American Kestrel 30; Greater Prairie Chicken 77; Bobwhite 74; Ring-necked Pheasant 10; American Coot 1; Common Snipe 2; Herring Gull 3; Ring-billed Gull 1206; Rock Dove 174; Mourning Dove 16; Screech Owl 5; Great Horned Owl 10; Barred Owl 10; Short-eared Owl 1; Belted Kingfisher 5; Common (Yellow-shafted) Flicker 51; Common (Red-shafted) Flicker 11; Common Flicker ssp. 47; Red-bellied Woodpecker 45; Red-headed Woodpecker 154; Yellow-bellied Sapsucker 18; Hairy Woodpecker 12; Downy Woodpecker 79; Horned Lark 1; Blue Jay 302; Common Crow 422; Black-capped Chickadee 381; Tufted Titmouse 2; White-breasted Nuthatch 23; Red-breasted Nuthatch 5; Brown Creeper 38; Carolina Wren 1; Short-billed Marsh Wren 1 (fair details—Ed.); Mockingbird 1; Brown Thrasher 1; American Robin 4021; Eastern Bluebird 41; Golden-crowned Kinglet 21; Cedar Waxwing 1254; Loggerhead Shrike 5; Starling 4211; Yellow-rumped Warbler 4; House Sparrow 904; Western Meadowlark 17; meadowlark sp. 151; Red-winged Blackbird 393; Common Grackle 1; Brown-headed Cowbird 105; Cardinal 194; Evening Grosbeak 4; American Goldfinch 516; Rufous-sided Towhee 13; Dark-eyed (Slate-colored) Junco 965; Dark-eyed (Oregon) Junco 15; Tree Sparrow 1529; Field Sparrow 3; Harris' Sparrow 613; White-crowned Sparrow 14; Lincoln's Sparrow 1; Swamp Sparrow 1; Song Sparrow 45; Lapland Longspur 450. Total 74 species (3 additional subspecies); about 27,430 individuals. Seen in area during count period, but not on count day—Common Loon, Redhead, Long-eared Owl, Mountain Bluebird, Rusty Blackbird, Brewer's Blackbird, White-throated Sparrow.

C. Best, B. Broyles, L. Combs, Max and Mike Donnelly, E. Finck, Adair and Steve Fretwell, S. Johnson, B. Kruger, B. LaShelle (compiler—233 W. Spruce, Junction City, KS 66441), D. LaShelle, J. Lopez, Frank and Theresa Shipley, C. Smith, C. White, B. Wright, J. Zimmerman.

Kanopolis Reservoir. 38° 37' N, 97° 57' W. Center 1.3 miles west of Saline, McPherson and Ellsworth Counties corner. Habitat coverage: grassland 55 per cent, cultivated fields 30 per cent, oldfields and fence rows 5 per cent, lakes and rivers 4 per cent, riparian woodlands 3 per cent, upland deciduous forest 1 per cent, residential 1 per cent, marsh 1 per cent. Dec. 16, 1979. 7:45 a.m. to 5:15 p.m.; 13° F to 17° F; wind NW, 25 m.p.h.; waters mostly open; no snow cover; clear. Two observers in 1 party. Total party-hours 9.5 (3 on foot, 6.5 by car). Total party-miles 118 (4 on foot, 114 by car).

Canada Goose 135; Mallard 370; Gadwall 27; Pintail 1; Am. Green-winged Teal 8; American Widgeon 10; Common Goldeneye 11; Ruddy Duck 3 (good details—Ed.); Common Merganser 14; Sharp-shinned Hawk 2; Red-tailed Hawk 9; Marsh Hawk 2; Prairie Falcon 2; American Kestrel 5; Greater Prairie Chicken 23; Bobwhite 9; Herring Gull 2; Ring-billed Gull 44; Rock Dove 4; Great Horned Owl 1; Belted Kingfisher 1; Common (Yellow-shafted) Flicker 15; Common (Red-shafted) Flicker 1; Red-bellied Woodpecker 7; Red-headed Woodpecker 6; Downy Woodpecker 3; Horned Lark 35; Blue Jay 10; Common Crow 3; Black-capped Chickadee 16; White-breasted Nuthatch 1; Brown Creeper 1; Long-billed Marsh Wren 1 (good details—Ed.); American Robin 1091; Townsend's Solitaire 1; Cedar Waxwing 28; Starling 346; House Sparrow 37; Western Meadowlark 14; Red-winged Blackbird 1087; Rusty Blackbird 1; Cardinal 5; Rufous-sided Towhee 1; Dark-eyed (Slate-colored) Junco 37; Dark-eyed (Oregon) Junco 2; Tree Sparrow

374; Harris' Sparrow 21; Song Sparrow 2; Lapland Longspur 3. Total 47 species (2 additional subspecies); about 3,832 individuals.

L. Combs, T. Shane (compiler—1906 Haskett, Salina, KS 67401).

Kansas City. 39° 03' N, 94° 45' W. Center Morris, KS. Habitat coverage: upland deciduous forest 20 per cent, residential 20 per cent, oldfields and fence rows 15 per cent, riparian forest 10 per cent, cultivated fields 10 per cent, grassland 10 per cent, lakes and rivers 10 per cent, coniferous stands 5 per cent. Dec. 22, 1979. 7:30 a.m. to 4:15 p.m.; 41° F to 64° F; wind SW, 4-12 m.p.h.; waters open; mostly cloudy a.m., partly cloudy p.m. Twenty-six observers in 8 parties. Total party-hours 51 (25.5 on foot, 25.5 by car) and 17 hrs. at feeders. Total party-miles 310 (27 on foot, 283 by car).

Great Blue Heron 4; Canada Goose 6; Mallard 11286; Gadwall 10; Am. Green-winged Teal 1; Redhead 3; Ring-necked Duck 12; Canvasback 6; Lesser Scaup 10; Common Goldeneye 11; Common Merganser 300; Sharp-shinned Hawk 1; Red-tailed Hawk 31; *Buteo* sp. 3; Bald Eagle 2; American Kestrel 18; Bobwhite 1; American Coot 42; Killdeer 2; Herring Gull 13; Ring-billed Gull 30; Rock Dove 646; Mourning Dove 53; Screech Owl 1; Great Horned Owl 5; Barred Owl 1; Belted Kingfisher 7; Common (Yellow-shafted) Flicker 86; Red-bellied Woodpecker 40; Red-headed Woodpecker 27; Yellow-bellied Sapsucker 1; Hairy Woodpecker 9; Downy Woodpecker 119; Horned Lark 75; Blue Jay 232; Common Crow 264; Black-capped Chickadee 230; Tufted Titmouse 97; White-breasted Nuthatch 31; Brown Creeper 9; Winter Wren 1; Mockingbird 13; Brown Thrasher 2; American Robin 59; Eastern Bluebird 2; Golden-crowned Kinglet 1; Cedar Waxwing 28; Loggerhead Shrike 2; Starling 2429; Yellow-rumped Warbler 4; Orange-crowned Warbler 1 (excellent details—Ed.); House Sparrow 943; Eastern Meadowlark 20; meadowlark sp. 210; Common Grackle 6; Brown-headed Cowbird 1; Cardinal 247; Purple Finch 8; American Goldfinch 280; Rufous-sided Towhee 1; Dark-eyed (Slate-colored) Junco 621; Tree Sparrow 98; Field Sparrow 2; Harris' Sparrow 21; White-throated Sparrow 6; Fox Sparrow 1; Swamp Sparrow 1; Song Sparrow 25; Lapland Longspur 815. Total 67 species; about 19,573 individuals. Seen in area during count period, but not on count day—Pied-billed Grebe, Double-crested Cormorant, Pine Siskin.

M. Braden, P. Devine, S. Faison, B. Fisher, C. Sugato, L. Sugato, M. Sugato, H. Gregory (compiler—9505 Bennington, Kansas City, MO 64134), B. Hintenleightner; P. Kaul, S. Kelly, K. Lisher, C. McGuire, W. Mobling, Jim and Mary Louise Myers, J. Overton, W. Ross, B. Shepard, K. Sink, C. Swink, M. Wayman, S. Wilson, G. Young, Dewey and Laura Ziegler.

Kingman Wildlife Area. 37° 38' N, 98° 16' W. Center Headquarters, Kingman Wildlife Area. Habitat coverage: grassland 40 per cent, riparian woodland 40 per cent, cultivated fields 20 per cent. Dec. 21, 1979. 7:30 a.m. to 5:30 p.m.; 22° F to 55° F; wind S, 1-5 m.p.h.; overcast and fog a.m., overcast p.m. Six observers in 1 party. Total party-hours 9 (5 on foot, 4 by car). Total party-miles 52 (7 on foot, 45 by car).

Great Blue Heron 6; Mallard 87; Sharp-shinned Hawk 1; Cooper's Hawk 1; Red-tailed Hawk 8; Bald Eagle 3; Marsh Hawk 3; American Kestrel 6; Ring-necked Pheasant 5; Herring Gull 1; Ring-billed Gull 3; Mourning Dove 15; Great Horned Owl 4; Belted Kingfisher 2; Common (Yellow-shafted) Flicker 12; Red-bellied Woodpecker 9; Hairy Woodpecker 3; Downy Woodpecker 9; Common Crow 25; Black-capped Chickadee 87; Brown Creeper 2; Winter Wren 1; American Robin 142; Eastern Bluebird 2; Cedar Waxwing 32; Loggerhead Shrike 2; Starling 864; House Sparrow 156; Eastern Meadowlark 17; Western Meadowlark 10; Red-winged Blackbird 3716; Common Grackle 19; Brown-headed Cowbird 137; Cardinal 19; American Goldfinch 42; Rufous-sided Towhee 5; Dark-eyed (Slate-colored) Junco 53; Dark-eyed (Oregon) Junco 1; Tree Sparrow 343; Harris' Sparrow 401; White-throated Sparrow 1; Song Sparrow 7. Total 41 species (1 additional subspecies); about 6,262 individuals. Seen in area during count period, but not on count day—Canada Goose, Common Merganser, Rough-legged Hawk,

Bobwhite, Turkey, Killdeer, Horned Lark, Blue Jay, Brown Thrasher, Golden-crowned Kinglet, White-crowned Sparrow.

R. Clark, L. Combs, C. Shoemaker, M. Stucky, B. Walker (compiler—Kingman Wildlife Area, Penalsosa, KS 67121), J. Walker.

Lawrence. 39° 00' N, 95° 17' W. Center 2 miles north and 2 miles west of intersection of US-40 and US-59. Habitat coverage: upland deciduous forest 20 per cent, riparian forest 20 per cent, cultivated fields 15 per cent, oldfields and fence rows 15 per cent, residential 10 per cent, lakes and rivers 10 per cent, grassland 5 per cent, marsh 3 per cent, coniferous stands 2 per cent. Dec. 15, 1979. 5:00 a.m. to 5:30 p.m.; 35° F to 55° F; wind S, 10-25 m.p.h.; lakes open, small ponds partly frozen; no snow cover; clear to scattered clouds. Fifty-five observers in 16 parties. Total party-hours 135 (80.5 on foot, 48.5 by car, 6 by bicycle) plus 5.5 hrs. owling. Total party-miles 602 (90 on foot, 482 by car, 30 by bicycle) and 30 miles owling.

Common Loon 2; Double-crested Cormorant 7; Great Blue Heron 5; Canada Goose 52; Snow Goose 2150; Mallard 4144; Gadwall 18; Am. Green-winged Teal 1; Redhead 3; Ring-necked Duck 3; Lesser Scaup 27; Common Goldeneye 731; Common Merganser 619; Sharp-shinned Hawk 4; Cooper's Hawk 4; Red-tailed Hawk 75; Rough-legged Hawk 2; *Buteo* sp. 11; Bald Eagle 18; Marsh Hawk 26; American Kestrel 45; Bobwhite 57; American Coot 15; Killdeer 12; Herring Gull 26; Ring-billed Gull 1585; Rock Dove 1172; Mourning Dove 211; Screech Owl 3; Great Horned Owl 18; Barred Owl 2; Long-eared Owl 2; Short-eared Owl 1; Belted Kingfisher 9; Common (Yellow-shafted) Flicker 73; Common (Red-shafted) Flicker 5; Common Flicker ssp. 23; Red-bellied Woodpecker 89; Red-headed Woodpecker 103; Yellow-bellied Sapsucker 3; Hairy Woodpecker 28; Downy Woodpecker 143; Horned Lark 32; Blue Jay 161; Common Crow 294; Black-capped Chickadee 501; Tufted Titmouse 75; White-breasted Nuthatch 56; Brown Creeper 19; Winter Wren 1; Mockingbird 6; Brown Thrasher 1; American Robin 4999; Eastern Bluebird 36; Golden-crowned Kinglet 15; Ruby-crowned Kinglet 2; Water Pipit 30 (good details—Ed.); Cedar Waxwing 891; Loggerhead Shrike 9; Starling 19536; Yellow-rumped Warbler 2; House Sparrow 1394; Eastern Meadowlark 73; Western Meadowlark 1; meadowlark sp. 177; Red-winged Blackbird 39; Rusty Blackbird 7; Common Grackle 50; Brown-headed Cowbird 77; Cardinal 245; Purple Finch 4; American Goldfinch 300; Rufous-sided Towhee 1; Lark Sparrow 2 (excellent details—Ed.); Dark-eyed (Slate-colored) Junco 749; Dark-eyed (Oregon) Junco 7; Tree Sparrow 556; Chipping Sparrow 1 (no details—Ed.); Field Sparrow 40; Harris' Sparrow 40; White-crowned Sparrow 2; White-throated Sparrow 4; Swamp Sparrow 2; Song Sparrow 53. Total 79 species (2 additional subspecies); about 42,020 individuals. Seen in area during count period, but not on count day—Chestnut-collared Longspur (no details—Ed.).

B. Akagi, M. Allen, B. Berger, H. Blanton, E. Bowes, I. Boyd, R. Boyd, A. Briggs, J. Cane, H. Chewning, C. Cink, C. Clinton, J. Conrad, S. Edmonds, R. Fauhl, H. Fitch, R. Fleischer, H. Garrett, Mary and E. R. Hall, R. Johnston, S. Katz, K. Kelley, P. Kukuk, T. Lastovicka, H. Levenson (compiler—1010 Illinois, Lawrence, KS 66044), S. Locke, Caryn and Peter Lowther, C. Luecke, I. McColl, B. McGillivray, M. Minnis, M. Murphy, K. Nelson, G. Otis, Marge and Eldon Perry, D. Raybern, S. Roth, B. Schmidt, L. Scott, J. Senegas, E. Shaw, K. Stolz, D. Stramel, J. Stramel, K. Underwood, Linda and John Vidosh Zemple, P. Von Achen, G. Walters, D. Whittemore, D. Wiley, A. Zarley.

Linn Co. 38° 11' N, 94° 46' W. Center 1.5 miles E, 3.5 miles N of Mound City, KS, post office. Habitat coverage: upland deciduous forest 45 per cent, cultivated fields 40 per cent, lakes and rivers 10 per cent, residential 5 per cent. Dec. 22, 1979. 8:00 a.m. to 5:00 p.m.; 40° F to 55° F; wind SW, 10 m.p.h.; waters mostly open. Thirteen observers in 4 parties. Total party-hours 23 (4.5 on foot, 18.5 by car) plus 1 hr. owling. Total party-miles 262 (3 on foot, 259 by car).

Great Blue Heron 2; Canada Goose 150; Snow Goose (white morph) 250; Mallard 30029; Gadwall 30; Blue-winged Teal 58 (no details—Ed.); American Widgeon 25; Common Goldeneye 156; Common Merganser 22; Red-tailed Hawk 12; Red-shouldered Hawk 2; Rough-legged Hawk 1; Bald Eagle 3; Marsh Hawk 6; American Kestrel 24; Bobwhite 3; Turkey 11; Herring Gull 4; Ring-billed Gull 134; Rock Dove 32; Mourning Dove 120; Screech Owl 1; Great Horned Owl 3; Barred Owl 2; Belted Kingfisher 2; Common (Yellow-shafted) Flicker 38; Common (Red-shafted) Flicker 5; Pileated Woodpecker 2; Red-bellied Woodpecker 22; Red-headed Woodpecker 3; Yellow-bellied Sapsucker 2; Hairy Woodpecker 7; Downy Woodpecker 22; Horned Lark 15; Blue Jay 86; Common Crow 145; Black-capped Chickadee 70; Tufted Titmouse 48; White-breasted Nuthatch 16; Brown Creeper 8; Bewick's Wren 1 (excellent details—Ed.); Mockingbird 3; Brown Thrasher 1; American Robin 29; Eastern Bluebird 30; Golden-crowned Kinglet 2; Cedar Waxwing 385; Loggerhead Shrike 9; Starling 343; House Sparrow 296; Eastern Meadowlark 39; Western Meadowlark 20; meadowlark sp. 160; Red-winged Blackbird 677; Brewer's Blackbird 37; Common Grackle 14; Brown-headed Cowbird 12; Cardinal 62; American Goldfinch 59; Dark-eyed (Slate-colored) Junco 134; Dark-eyed (Oregon) Junco 2; Tree Sparrow 85; Field Sparrow 4; Harris' Sparrow 29; White-crowned Sparrow 25; White-throated Sparrow 4; Fox Sparrow 1; Swamp Sparrow 8; Song Sparrow 21; Lapland Longspur 3. Total 67 species (2 additional subspecies); about 34,066 individuals.

M. Boots, I. Boyd, M. Boyd, R. Boyd, M. Concannon, T. T. Concannon, A. Day, C. Day, M. Martin, U. Murray, M. Pressgrove (compiler—Rt. 2, Pleasanton, KS 66075), H. Reed, F. Wood.

Manhattan. 39° 11' N, 96° 34' W. Center Anderson Hall, Kansas State University campus. Habitat coverage: oldfields and fence-rows 40 per cent, grassland 25 per cent, lakes and rivers 12 per cent, riparian forest 10 per cent, upland deciduous forest 5 per cent, cultivated fields 5 per cent, residential 3 per cent. Dec. 15, 1979. 12:15 a.m. to 5:30 p.m.; 33° F to 52° F; wind SW, 6-15 m.p.h.; waters open; no snow cover; clear. Seventy-eight observers in 18 parties. Total party-hours 182.5 (131 on foot, 41 by car, 7.5 by canoe, 3 by horseback) plus 7 hrs. owling. Total party-miles 733 (155 on foot, 547 by car, 27 by canoe, 4 by horseback) and 44 miles owling.

Eared Grebe 8 (fair details—Ed.); Double-crested Cormorant 6; Great Blue Heron 10; Mallard 4033; Gadwall 18; Pintail 4; Am. Green-winged Teal 52; American Widgeon 3; Wood Duck 3; Redhead 20; Ring-necked Duck 22; Lesser Scaup 5; Common Goldeneye 117; Bufflehead 48; Hooded Merganser 2; Common Merganser 911; Sharp-shinned Hawk 3; Cooper's Hawk 7; Red-tailed Hawk 97; Red-tailed (Harlan's) Hawk 2; Rough-legged Hawk 3; Bald Eagle 21; Marsh Hawk 24; Prairie Falcon 2; Peregrine 1 (good details—Ed.); Merlin 2; American Kestrel 58; Greater Prairie Chicken 70; Bobwhite 188; Ring-necked Pheasant 49; American Coot 1; Semipalmated Plover 4 (excellent details—Ed.); Common Snipe 3; Herring Gull 142; Ring-billed Gull 3121; Rock Dove 341; Mourning Dove 152; Screech Owl 9; Great Horned Owl 20; Barred Owl 15; Saw-whet Owl 1; Belted Kingfisher 23; Common (Yellow-shafted) Flicker 170; Common (Red-shafted) Flicker 24; Common Flicker ssp. 26; Red-bellied Woodpecker 159; Red-headed Woodpecker 914; Yellow-bellied Sapsucker 27; Hairy Woodpecker 54; Downy Woodpecker 141; Horned Lark 5; Blue Jay 704; Common Crow 1379; Black-capped Chickadee 695; Tufted Titmouse 88; White-breasted Nuthatch 88; Red-breasted Nuthatch 3; Brown Creeper 65; Winter Wren 2; Bewick's Wren 2; Carolina Wren 1; Mockingbird 6; Brown Thrasher 4; American Robin 14339; Eastern Bluebird 38; Townsend's Solitaire 4; Golden-crowned Kinglet 46; Ruby-crowned Kinglet 1; Cedar Waxwing 2363; Loggerhead Shrike 4; Starling 6244; Yellow-rumped Warbler 6; House Sparrow 2455; Eastern Meadowlark 103; Western Meadowlark 16; meadowlark sp. 156; Red-winged Blackbird 1458; Rusty Blackbird 23; Brewer's Blackbird 33; Common Grackle 9; Brown-headed Cowbird 435; Cardinal 514; Purple Finch 1; Pine Siskin 5; American Goldfinch 1034; Rufous-sided Towhee 24;

Savannah Sparrow 1 (good details—Ed.); Dark-eyed (Slate-colored) Junco 2188; Dark-eyed (Oregon) Junco 55; Tree Sparrow 1599; Field Sparrow 31; Harris' Sparrow 366; White-crowned Sparrow 15; White-throated Sparrow 8; Lincoln's Sparrow 2; Song Sparrow 59; Lapland Longspur 1. Total 92 species (3 additional subspecies); about 47,814 individuals. Seen in area during count period, but not on count day—LeConte's Sparrow.

J. Arruda, S. Athey, D. Bentrup, C. Best, B. Broyles, M. Caldwell, R. Carter, D. Clarke, E. Conroy, T. Cowell, D. Cox, T. Craig, Steve and Tammy De Hart, R. Degner, Max and Mike Donnelly, Clyde, Bob, Maria and Marilena Ferguson, E. Finck, Adair and Steve Fretwell, Ben and Marion Gray, D. Harakal, J. Hawes, M. Hinten, B. Holmes, D. Hoseney, B. Hoyt, L. Johnson, C. Kale, G. Kennedy, A. Kerr, Duane and Gary Kerr, B. Kinders, S. Kingswood, R. Klataske, A. Kragaris, J. Laflin, Carl and Dick Marzolf, D. McCulley, S. Middendorf, A. Milenkovic, R. Mills, R. Myers, D. Nelson, B. O'Donnell, P. Ohager, M. Peterman, M. Quinlan, G. Radke, G. Rowell, P. Rupp, L. Schaffner, N. Schanker, G. Schiltz, M. Schwab, V. Shepperd, T. Sistrunk, Andrea and Chris Smith, D. Smith, G. Smith, M. Stapanian, David and Debbie Temme, Dana and Harvard Townsend, Cathy and Neal Vigilante, B. Watt, J. Wilson, J. Zimmerman (compiler—Div. Biology, Kans. State Univ., Manhattan, KS 66506).

Morton County. 37° 07' N, 101° 52' W. Center 7 miles N, 2 miles E of Elkhart, KS. Habitat coverage: riparian woodland 35 per cent, residential 15 per cent, ponds and marshes 15 per cent, grassland 15 per cent, cultivated fields 10 per cent, rocky slopes 10 per cent. Dec. 30, 1979. 7:30 a.m. to 6:00 p.m.; 21° F to 37° F; wind S to SE, 5-10 m.p.h.; ponds partly open; 1-3" old snow; mostly clear a.m., partly cloudy p.m. Thirteen observers in 5 parties. Total party-hours 38 (17 on foot, 21 by car). Total party-miles 320 (25 on foot, 295 by car).

Great Blue Heron 1; Canada Goose 177; Mallard 33; American Widgeon 2; Red-tailed Hawk 8; Rough-legged Hawk 24; Ferruginous Hawk 12; *Buteo* sp. 1; Golden Eagle 4; Marsh Hawk 61; Prairie Falcon 11; Merlin 7; American Kestrel 11; *Falco* sp. 1; Lesser Prairie Chicken 3; Bobwhite 33; Scaled Quail 10; Ring-necked Pheasant 4; Rock Dove 38; Mourning Dove 123; Great Horned Owl 12; Common (Yellow-shafted) Flicker 5; Common (Red-shafted) Flicker 14; Common Flicker ssp. 5; Hairy Woodpecker 5; Downy Woodpecker 5; Say's Phoebe 5 (excellent details—Ed.); Horned Lark 57837; Blue Jay 2; Black-billed Magpie 37; Common Crow 31; White-necked Raven 1; Rock Wren 4; Long-billed Marsh Wren 4; Townsend's Solitaire 2; Loggerhead Shrike 5; Starling 554; House Sparrow 743; Western Meadowlark 1274; Red-winged Blackbird 853; Brewer's Blackbird 1; Common Grackle 49; Brown-headed Cowbird 9; House Finch 9; American Goldfinch 22; Lark Bunting 306; Savannah Sparrow 4 (good details—Ed.); Vesper Sparrow 11; Dark-eyed (Slate-colored) Junco 241; Dark-eyed (Oregon) Junco 151; Dark-eyed Junco ssp. 40; Gray-headed Junco 2 (excellent details—Ed.); Tree Sparrow 1304; Harris' Sparrow 141; White-crowned Sparrow 471; Swamp Sparrow 1; Song Sparrow 29; Lapland Longspur 13685; McCown's Longspur 4; Chestnut-collared Longspur 1358. Total 54 species (2 additional subspecies); about 79,350 individuals. Seen in area during count period, but not on count day—Long-eared Owl, American Robin, Cedar Waxwing, Pine Siskin.

J. Challans, J. Davis, J. Garrett, N. Johnson, J. Halford, L. Herbert, E. McHugh, J. McNitt, M. Mock, S. Patti (compiler—6528 Wenonga Terr., Shawnee Mission, KS 66208), J. Schulenberg, M. Schwilling, H. Smith.

Olathe. 38° 52' N, 94° 50' W. Center 1 mile N of junction of US-56 and K-7. Habitat coverage: lakes and rivers 18 per cent, cultivated fields 16 per cent, upland deciduous forest 15 per cent, oldfields and fence rows 14 per cent, grassland 14 per cent, residential 13 per cent, riparian forest 6 per cent, marsh 3 per cent, juniper stands 1 per cent. Dec. 29, 1979. 7:30 a.m. to 4:30 p.m.; 31° F to 36° F; wind N to NW, 0-10 m.p.h.; water open; no snow cover; overcast in a.m., mostly cloudy p.m. Three observers in 1 party. Total party-hours 91 (3 on foot, 88 by car).

Mallard 77; Gadwall 10; Redhead 5; Ring-necked Duck 1; Canvasback 5; Lesser Scaup 2; Red-tailed Hawk 12; Rough-legged Hawk 1; Marsh Hawk 2; American Kestrel 8; Greater Prairie Chicken 67; Rock Dove 27; Mourning Dove 1; Great Horned Owl 2; Belted Kingfisher 1; Common (Yellow-shafted) Flicker 2; Common (Red-shafted) Flicker 2; Red-bellied Woodpecker 7; Red-headed Woodpecker 3; Yellow-bellied Sapsucker 1; Hairy Woodpecker 3; Downy Woodpecker 32; Horned Lark 12; Blue Jay 50; Common Crow 89; Black-capped Chickadee 40; Tufted Titmouse 17; White-breasted Nuthatch 5; Brown Creeper 3; Mockingbird 3; American Robin 35; Eastern Bluebird 12; Loggerhead Shrike 3; Starling 736; House Sparrow 488; Eastern Meadowlark 55; Western Meadowlark 4; Red-winged Blackbird 7; Cardinal 52; American Goldfinch 17; Dark-eyed (Slate-colored) Junco 138; Dark-eyed (Oregon) Junco 1; Tree Sparrow 210; Harris' Sparrow 33; White-crowned Sparrow 3; Lincoln's Sparrow 2; Swamp Sparrow 1; Song Sparrow 5. Total 46 species (2 additional subspecies); about 2,292 individuals.

I. Boyd, R. Boyd (compiler—Biology Dept., Baker Univ., Baldwin City, KS 66006), Don Stout.

Parsons. 37° 26' N, 95° 14' W. Center 1 mile SW of South Mound. Habitat coverage: residential 30 per cent, lakes and rivers 30 per cent, upland deciduous forest 20 per cent, riparian forest 10 per cent, grassland 10 per cent. Dec. 16, 1979. 8:00 a.m. to 4:00 p.m.; 14° F to 28° F; wind NW, 5-15 m.p.h.; water mostly open; no snow cover; partly cloudy. Eight observers in 4 parties. Total party-hours 22 (4 on foot, 18 by car). Total party-miles 150 (5 on foot, 145 by car).

Snow Goose (white morph) 3000; Mallard 89; Canvasback 9; Cooper's Hawk 1; Red-tailed Hawk 3; Red-shouldered Hawk 1; Marsh Hawk 3; American Kestrel 5; Bobwhite 20; American Coot 10; Herring Gull 1; Rock Dove 4; Mourning Dove 1; Great Horned Owl 2; Common (Yellow-shafted) Flicker 13; Red-bellied Woodpecker 12; Red-headed Woodpecker 4; Downy Woodpecker 6; Horned Lark 330; Blue Jay 21; Common Crow 39; Black-capped Chickadee 10; Tufted Titmouse 3; Brown Creeper 1; Mockingbird 2; American Robin 5; Eastern Bluebird 11; Loggerhead Shrike 2; Starling 275; House Sparrow 205; Eastern Meadowlark 137; Red-winged Blackbird 1556; Rusty Blackbird 50; Brewer's Blackbird 150; Brown-headed Cowbird 1; Cardinal 34; American Goldfinch 55; Dark-eyed (Slate-colored) Junco 60; Tree Sparrow 23; Field Sparrow 10; Harris' Sparrow 16; White-crowned Sparrow 6. Total 42 special: about 6,186 individuals.

M. Filpin, G. Hutchins, W. Landweir, S. Landweir, C. Landweir, G. Lippert (compiler—1210 W. 3rd St., Chanute, KS 66720), R. Naan, M. Wary.

Pittsburg. 37° 23' N, 94° 41' W. Center Pittsburg State University. Habitat coverage: riparian forest 27 per cent, cultivated fields 25 per cent, oldfields and strip-mined lands 20 per cent, grassland 25 per cent, residential 3 per cent. Dec. 27, 1979. 7:15 a.m. to 5:15 p.m.; 40° F to 55° F; wind NE, 2-15 m.p.h.; overcast to partly cloudy; fields muddy; water open; streams and ponds moderately full. Eleven observers in 7 parties. Total party-hours 57 (33 on foot, 16 by car) and 8 hrs. at feeders. Total party-miles 238 (32 on foot, 206 by car).

Canada Goose 31; Mallard 10; Red-tailed Hawk 32; Red-shouldered Hawk 3; Marsh Hawk 10; American Kestrel 35; American Coot 1; Killdeer 1; Rock Dove 33; Mourning Dove 40; Great Horned Owl 6; Barred Owl 2; Short-eared Owl 1; Common (Yellow-shafted) Flicker 44; Red-bellied Woodpecker 49; Red-headed Woodpecker 136; Hairy Woodpecker 3; Downy Woodpecker 32; Horned Lark 2; Blue Jay 214; Common Crow 171; Carolina Chickadee 142; Tufted Titmouse 52; White-breasted Nuthatch 7; Red-breasted Nuthatch 1; Brown Creeper 5; Winter Wren 2; Mockingbird 11; American Robin 10; Eastern Bluebird 15; Golden-crowned Kinglet 5; Loggerhead Shrike 4; Starling 719; House Sparrow 275; Eastern Meadowlark 72; Red-winged Blackbird 694; Rusty Blackbird 6; Common Grackle 19; Brown-headed Cowbird 109; Cardinal 164; Pine Siskin 2; American Goldfinch 33; Rufous-sided Towhee 45; Dark-eyed (Slate-colored) Junco 117; Tree Sparrow 28; Field Sparrow 1; Harris' Sparrow 1; White-crowned Sparrow 18; White-throated Sparrow 1; Song Sparrow 30. Total 50 species; about 3,444 in-

dividuals. Seen in area during count period, but not on count day—Great Blue Heron.

B. Boso, James, Mary Jo and Michael Chapman, D. Fuller, C. Johnson, P. Jones, H. Menghini, J. Smardo, D. Sperry, T. Sperry (compiler—1413 S. College, Pittsburg, KS 66762).

Pomona Reservoir. 38° 41' N, 95° 41' W. Center intersection US-75 and Dragoon Creek. Habitat coverage: riparian forest 30 per cent, oldfields and fence rows 18 per cent, cultivated fields 17 per cent, grassland 15 per cent, lakes and rivers 15 per cent, residential 3 per cent, upland deciduous forest 2 per cent. Dec. 16, 1979. 5:15 a.m. to 5:15 p.m.; 12° F to 17° F; wind NW, 10-38 m.p.h.; mostly cloudy a.m., clear p.m.; no snow cover; water mostly open. Eighteen observers in 5 parties. Total party-hours 43 (22.25 on foot, 20.75 by car) plus 1.25 hrs. owling. Total party-miles 298 (23.5 on foot, 274.5 by car) and 20.5 miles owling.

Great Blue Heron 2; Snow Goose (white morph) 403; Snow Goose (blue morph) 265; Mallard 1598; Gadwall 1; Common Goldeneye 64; Bufflehead 4; Common Merganser 201; Cooper's Hawk 1; Red-tailed Hawk 28; Red-tailed (Harlan's) Hawk 1; Rough-legged Hawk 2; *Buteo* sp. 4; Bald Eagle 3; Marsh Hawk 19; Peregrine 1 (excellent details—Ed.); Merlin 2; American Kestrel 11; Bobwhite 109; Killdeer 2; Herring Gull 1; Ring-billed Gull 55; Rock Dove 25; Mourning Dove 178; Great Horned Owl 10; Barred Owl 1; Belted Kingfisher 4; Common (Yellow-shafted) Flicker 28; Common (Red-shafted) Flicker 3; Common Flicker ssp. 6; Red-bellied Woodpecker 63; Red-headed Woodpecker 54; Yellow-bellied Sapsucker 3; Hairy Woodpecker 6; Downy Woodpecker 78; Horned Lark 109; Blue Jay 47; Common Crow 227; Black-capped Chickadee 448; Tufted Titmouse 30; White-breasted Nuthatch 16; Brown Creeper 22; Winter Wren 1; Mockingbird 6; Brown Thrasher 1 (excellent details—Ed.); American Robin 509; Eastern Bluebird 18; Golden-crowned Kinglet 4; Cedar Waxwing 158; Loggerhead Shrike 4; Starling 442; Yellow-rumped Warbler 1; House Sparrow 440; Eastern Meadowlark 9; meadowlark sp. 76; Red-winged Blackbird 324; Rusty Blackbird 139; Brown-headed Cowbird 240; Cardinal 205; American Goldfinch 16; Dark-eyed (Slate-colored) Junco 694; Dark-eyed (Oregon) Junco 9; Tree Sparrow 808; Harris' Sparrow 256; White-crowned Sparrow 4; Song Sparrow 10. Total 59 species (3 additional subspecies); about 8,509 individuals. Seen in area during count period, but not on count day—Whistling Swan (excellent details—Ed.), Sharp-shinned Hawk.

J. Ackermann, T. Correll, Bob and Carol Culbertson, Charles and Effie Edwards, C. Ferguson, E. Finck, S. Kingswood (compiler—230 S. McComas, Wichita, KS 67213), M. Peterman, K. Redman, Bob and Mobe Rucker, C. C. Smith, M. Stapanian, J. Thurman, J. Wilson, E. Wisdom.

Quivera National Wildlife Refuge. 38° 09' N, 98° 29' W. Center Refuge Subheadquarters. Habitat coverage: grassland 50 per cent, cultivated fields 30 per cent, lakes and rivers 20 per cent. Dec. 19, 1979. 7:30 a.m. to 4:00 p.m.; 28° F to 61° F; wind variable, 5 m.p.h. Five observers in 3 parties. Total party-hours 24 (2 on foot, 22 by car). Total party-miles 196.5 (3.5 on foot, 193 by car).

Canada Goose 1670; White-fronted Goose 53; Mallard 101708; Gadwall 5; Pintail 30; Am. Green-winged Teal 107; American Widgeon 82; Northern Shoveler 6; Common Goldeneye 1; Sharp-shinned Hawk 3; Cooper's Hawk 1; Red-tailed Hawk 23; Rough-legged Hawk 9; Golden Eagle 10; Bald Eagle 27; Marsh Hawk 26; Prairie Falcon 2; American Kestrel 5; Bobwhite 16; Ring-necked Pheasant 71; Mourning Dove 1; Great Horned Owl 5; Common (Yellow-shafted) Flicker 32; Common (Red-shafted) Flicker 16; Red-bellied Woodpecker 1; Hairy Woodpecker 3; Downy Woodpecker 9; Horned Lark 20; Blue Jay 9; Common Crow 173; Black-capped Chickadee 46; Long-billed Marsh Wren 2 (no details—Ed.); American Robin 53; Loggerhead Shrike 2; Starling 16; House Sparrow 17; meadowlark sp. 241; Red-winged Blackbird 22006; Common Grackle 2; Cardinal 3; American Goldfinch 15; Dark-eyed (Slate-colored) Junco 46; Dark-eyed (Oregon) Junco 3;

Tree Sparrow 1296; Harris' Sparrow 139. Total 43 species (2 additional subspecies); about 128,011 individuals. Seen in area during count period, but not on count day—Hooded Merganser, Common Merganser.

R. Bryant, W. Dale, C. Darling (compiler—P. O. Box G, Stafford, KS 67578), C. Marks, L. Wilson.

Topeka. 39° 02' N, 95° 40' W. Center State Capitol Building. Habitat coverage: cultivated fields 30 per cent, residential 25 per cent, grassland 25 per cent, upland deciduous forest 15 per cent, riparian forest 5 per cent. Dec. 15, 1979. 4:15 a.m. to 5:00 p.m.; temp. 32° F to 45° F; wind S, 10-20 m.p.h.; clear. Thirty-two observers in 9 parties. Total party-hours 68 (36 on foot, 32 by car). Total party-miles 576 (70 on foot, 506 by car).

Pied-billed Grebe 1; Great Blue Heron 1; Mallard 279; Gadwall 34; Redhead 7; Lesser Scaup 9; Common Goldeneye 33; Hooded Merganser 3; Common Merganser 1; Red-tailed Hawk 31; Red-tailed (Harlan's) Hawk 3; Marsh Hawk 3; American Kestrel 17; Bobwhite 41; American Coot 15; Herring Gull 5; Ring-billed Gull 76; Rock Dove 2295; Mourning Dove 19; Screech Owl 1; Great Horned Owl 6; Barred Owl 1; Long-eared Owl 1; Belted Kingfisher 9; Common (Yellow-shafted) Flicker 47; Common (Red-shafted) Flicker 5; Red-bellied Woodpecker 37; Red-headed Woodpecker 27; Yellow-bellied Sapsucker 4; Hairy Woodpecker 13; Downy Woodpecker 37; Horned Lark 4; Blue Jay 151; Common Crow 103; Black-capped Chickadee 295; Tufted Titmouse 44; White-breasted Nuthatch 19; Red-breasted Nuthatch 3; Brown Creeper 18; Mockingbird 3; Brown Thrasher 1; American Robin 165; Eastern Bluebird 11; Hermit Thrush 1 (no details—Ed.); Golden-crowned Kinglet 3; Ruby-crowned Kinglet 2; Cedar Waxwing 1178; Loggerhead Shrike 1; Starling 6044; House Sparrow 1471; Eastern Meadowlark 76; Western Meadowlark 11; Red-winged Blackbird 1; Rusty Blackbird 1; Brewer's Blackbird 1; Common Grackle 9; Brown-headed Cowbird 2; Cardinal 263; American Goldfinch 349; Rufous-sided Towhee 1; Dark-eyed (Slate-colored) Junco 561; Dark-eyed (Oregon) Junco 8; Tree Sparrow 258; Harris' Sparrow 27; White-crowned Sparrow 1; White-throated Sparrow 8; Song Sparrow 22; Lapland Longspur 1000. Total 65 species (3 additional subspecies); about 15,177 individuals. Seen in area during count period, but not on count day—Canada Goose, American Widgeon, Ring-necked Duck, Sharp-shinned Hawk.

J. Brier, H. Bryan, R. Carman, H. Conwell Jr., Arlene and Robert Delker, E. Dennis, G. Haegert, P. Henney, S. Johnson, B. Larson, D. Larson, D. LaShelle, E. M. and E. R. Lewis, V. Lockhart, W. Maus, B. May, S. Merrill, E. Naethe, O. Rice (compiler—1627 W28, Topeka, KS 66611), E. Skidmore, B. Spencer, J. Thompson, B. Trimble, D. Vausbinder, T. Vogel, D. Weible, E. Willett, Lil and Paul Willis, M. Willis (Topeka Audubon Society).

Udall-Winfield. (no coordinates given). Habitat coverage: grassland 65 per cent, lakes and rivers 35 per cent. Dec. 22, 1979. 6:30 a.m. to 5:00 p.m.; 59° F to 60° F; wind S, 10-30 m.p.h.; cloudy a.m., clear p.m. Eleven observers (number of parties not given). Total party-hours not given. Total party-miles not given.

Mallard 1241; American Widgeon 6; Common Goldeneye 175; Common Merganser 62; Red-tailed Hawk 30; Bald Eagle 3; Marsh Hawk 14; American Kestrel 21; Bobwhite 46; Killdeer 2; Herring Gull 7; Ring-billed Gull 46; Rock Dove 48; Mourning Dove 6; Great Horned Owl 5; Barred Owl 1; Belted Kingfisher 4; Common (Yellow-shafted) Flicker 27; Common (Red-shafted) Flicker 5; Common Flicker ssp. 5; Red-bellied Woodpecker 31; Red-headed Woodpecker 8; Hairy Woodpecker 10; Downy Woodpecker 37; Horned Lark 191; Blue Jay 57; Common Crow 87; Black-capped Chickadee 89; Carolina Chickadee 69; Tufted Titmouse 35; White-breasted Nuthatch 18; Red-breasted Nuthatch 2; Brown Creeper 9; Carolina Wren 1; Mockingbird 6; American Robin 392; Eastern Bluebird 7; Golden-crowned Kinglet 11; Ruby-crowned Kinglet 1; Water Pipit 20; Cedar Waxwing 106; Loggerhead Shrike 6; Starling 5128; Yellow-rumped Warbler 1; House Sparrow 507; Eastern Meadowlark 6; Western Meadowlark 2;

meadowlark sp. 192; Red-winged Blackbird 119; Rusty Blackbird 105; Great-tailed Grackle 1; Common Grackle 25; Brown-headed Cowbird 20; Cardinal 74; American Goldfinch 227; Rufous-sided Towhee 3; Dark-eyed (Slate-colored) Junco 210; Dark-eyed (Oregon) Junco 7; Tree Sparrow 502; Field Sparrow 5; Harris' Sparrow 454; White-crowned Sparrow 1; White-throated Sparrow 1; Swamp Sparrow 1; Song Sparrow 23; Lapland Longspur 32. Total 62 species (2 additional subspecies); about 10,593 individuals.

B. Anderson, W. Champeny, D. Herrin, J. Laws, Jean and Miriam Roark, D. Seibel (compiler)—628 W. Locust, El Dorado, KS 67042), M. Thompson, Agnes and Larry Williams, D. Wilt.

Wichita. 37° 41' N, 97° 20' W. Center confluence of Arkansas and Little Arkansas Rivers. Habitat coverage: lakes and rivers 35 per cent, residential 30 per cent, oldfields and fence rows 15 per cent, cultivated fields 10 per cent, grassland 5 per cent, marsh 5 per cent. Dec. 15, 1979. 8:00 a.m. to 5:00 p.m.; 32° F to 48° F; wind S, 10-30 m.p.h. Twenty observers in 4 parties. Total party-hours 34 (25 on foot, 9 by car). Total party-miles 230 (35 on foot, 195 by car).

Pied-billed Grebe 2; Great Blue Heron 1; Canada Goose 483; Snow Goose (blue morph) 1; Mallard 341; Gadwall 146; Pintail 2; Am. Green-winged Teal 10; American Widgeon 46; Redhead 40; Ring-necked Duck 64; Canvasback 31; Lesser Scaup 6; Common Goldeneye 63; Bufflehead 28; Common Merganser 8; Sharp-shinned Hawk 2; Cooper's Hawk 2; Red-tailed Hawk 28; Red-tailed (Harlan's) Hawk 3; Rough-legged Hawk 1; Prairie Falcon 1; Merlin 3; American Kestrel 15; Bobwhite 1; Ring-necked Pheasant 7; American Coot 23; Killdeer 2; Common Snipe 2; Herring Gull 5; Ring-billed Gull 321; Rock Dove 254; Mourning Dove 71; Great Horned Owl 8; Belted Kingfisher 7; Common (Yellow-shafted) Flicker 18; Common (Red-shafted) Flicker 9; Red-bellied Woodpecker 5; Yellow-bellied Sapsucker 2; Hairy Woodpecker 4; Downy Woodpecker 15; Horned Lark 20; Blue Jay 26; Common Crow 2012; Black-capped Chickadee 48; Tufted Titmouse 15; White-breasted Nuthatch 5; Red-breasted Nuthatch 4; Brown Creeper 18; Mockingbird 7; Brown Thrasher 1; American Robin 36; Townsend's Solitaire 1; Golden-crowned Kinglet 4; Cedar Waxwing 27; Loggerhead Shrike 3; Starling 1505; House Sparrow 1004; Western Meadowlark 1; meadowlark sp. 139; Yellow-headed Blackbird 1 (no details—Ed.); Red-winged Blackbird 20721; Great-tailed Grackle 403; Common Grackle 6; Brown-headed Cowbird 500; Cardinal 224; Purple Finch 1; American Goldfinch 130; Rufous-sided Towhee 7; Vesper Sparrow 2; Dark-eyed (Slate-colored) Junco 548; Dark-eyed (Oregon) Junco 5; Tree Sparrow 74; Field Sparrow 1; Harris' Sparrow 725; White-crowned Sparrow 1; White-throated Sparrow 5; Lincoln's Sparrow 1; Song Sparrow 19. Total 75 species (3 additional subspecies); about 30,331 individuals. Seen in area during count period, but not on count day—Marsh Hawk.

L. Bussjaeger, J. Butin, W. Butin, W. Champeny (compiler—RR1, Oxford, KS 67119), D. Ferguson, J. Fisher, D. Kilby, E. Kuhn, M. Lesan, M. Manlove, Leon and Martha Morlan, K. Redman, Jean and Miriam Roark, Eddie and Sarilla Stegall, D. Tucker, D. Vannoy, B. Whorton.

Wilson Reservoir. no coordinates given. Center 5 miles N Dorrance, KS. Habitat coverage: lakes and rivers 30 per cent, grassland 30 per cent, riparian woodland 15 per cent, cultivated fields 15 per cent, oldfields and fence rows 10 per cent. Jan. 4, 1980. 7:30 a.m. to 5:30 p.m.; 27° F to 34° F; wind SW, 5-15 m.p.h.; overcast; ponds frozen, lakes and rives open; 1 inch snow cover. Two observers in 1 party. Total party-hours 10 (3 on foot, 7 by car). Total party-miles 106 (6 on foot, 100 by car).

Great Blue Heron 2; Canada Goose 450; Mallard 670; Pintail 2; Common Goldeneye 104; Common Merganser 4100; Sharp-shinned Hawk 1; Red-tailed Hawk 22; Rough-legged Hawk 1; Golden Eagle 2; Bald Eagle 6; Marsh Hawk 9; American Kestrel 19; Greater Prairie Chicken 24; Bobwhite 14; Ring-necked Pheasant 39; Common Snipe 4; Herring Gull 35; Ring-billed Gull 216; Rock Dove

40; Mourning Dove 38; Great Horned Owl 4; Belted Kingfisher 4; Common (Red-shafted) Flicker 9; Hairy Woodpecker 2; Downy Woodpecker 6; Horned Lark 420; Blue Jay 6; Black-billed Magpie 12; Common Crow 4; Black-capped Chickadee 22; Brown Creeper 3; American Robin 355; Ruby-crowned Kinglet 2; Cedar Waxwing 154; Loggerhead Shrike 3; Starling 335; House Sparrow 214; Western Meadowlark 98; Red-winged Blackbird 12120; Cardinal 4; American Goldfinch 5; Dark-eyed (Slate-colored) Junco 60; Dark-eyed (Oregon) Junco 10; Dark-eyed Junco ssp. 6; Tree Sparrow 991; Harris' Sparrow 87; White-crowned Sparrow 1; Song Sparrow 7. Total 47 species (1 additional subspecies); about 20,742 individuals.

J. Cannon, T. Cannon (compiler—Rt. 1, Box 240, Sylvan Grove, KS 67481).

IN MEMORIAM: HERSCHEL T. GIER

Professor Herschel T. Gier, charter member of Kansas Ornithology Society, passed away May 10, 1979 in Oklahoma City, Oklahoma. Dr. Gier was the vice-president of this organization the first year of its existence and president the second year, and he was very instrumental in setting the format of this society. He served eight years on the Board of Directors, 1952, 1953, 1960, 1961, 1969, 1970, 1971, and 1972. His contributions to the Society were invaluable.

Herschel was born May 11, 1907 in Hepler, Kansas. He received a B.A. from Kansas State Teachers College in Pittsburg in 1931 and a Ph.D. at Indiana University in 1936. He was a National Research Council Fellow at Harvard University in 1936-1937 and then was on the staff of Ohio University at Athens until joining the faculty at Kansas State University in 1947. After his retirement in 1976 he continued to maintain an office on the Kansas State campus. Here he continued his research and published papers on coyote studies for which he was widely known. I was very much impressed with his study on reactions of crossbred dogs and coyotes when I toured the animal kennels.

Dr. Gier was a member of many honorary and professional organizations including the Kansas Academy of Science and the American Association for the Advancement of Science.

Herschel and I had several common interests besides the study of birds. While his sons were in Boy Scouts he was very active as a leader, and we often talked about our experiences in this activity. I always looked forward to being present when he gave a paper at the annual Academy of Science meetings. He was advisor for several Baker University graduates in biology when they chose to do advanced study at Kansas State University, and we shared a common interest in their progress.

Dr. Gier is survived by his wife, Sandy, and stepson Robert both of Oklahoma City; three sons, Ronald, Leawood; Donald, Maryville; Harold, Boulder, Colorado and their mother Wilma. Herschel is also survived by three brothers and four sisters and eight grandchildren. The interment was in the Hepler Cemetery in Hepler, Kansas.

Ivan L. Boyd, Box 182, Baldwin City, KS 66006.