

BIRD-LORE'S THIRTY-EIGHTH CHRISTMAS CENSUS

THE mild weather that characterized much of the country during the fall and early winter is mirrored, this year as last, in considerable numbers of half-hardy species that were found north of their usual winter ranges, and a reading of the Censuses, without an attempt to get a statistical analysis (which lack of time forbids), seems to indicate that there are higher bird populations reported this year than last. In some parts of the country this may possibly be attributed to the break, last summer, in the persistent drought. As usual, many observers reported the absence of birds that should have been discovered in their regions, a phenomenon that is familiar to every experienced participant in Christmas Censuses.

Wintering shore-birds seem especially conspicuous in this Census, and the numbers of Snowy Owls mark this as a flight-year. Perhaps the outstanding bird of the Census is the European Black-headed Gull, reported from Massachusetts; another bird of the same species was seen, at about the same time, on Long Island. In both cases the identifications seem to have been entirely satisfactory.

The party led by Mr. L. Irby Davis has once more piled up the greatest total, 158 species, which

should interest Texan chambers of commerce. Notable numbers of varieties were reported by other groups. While these are indicators of hard work, skill in the field, and frequently of efficient organization, it should be remembered that observers reporting less than a dozen species, in some parts of the country, deserve quite as much kudos as do some of their fellow workers in more favored regions. Scientifically, too, an absence of birds may be quite as interesting as an abundance of birds.

We wish to express our sincere appreciation of the improvement in the quality of the reports turned in. Never, probably, have the Census lists been more carefully prepared, and the clean, legible manuscripts not only lightened editorial burdens—they obviated the necessity of office interpretations that have, at times, required a certain amount of guesswork.

It has been necessary, this year, to reject fewer Censuses, though financial limitations prevented printing even all that conformed to regulations. With few exceptions—notably those who, for good and sufficient reason, made advance arrangements to take the Censuses outside the prescribed period—Census-takers who disregarded the announced regulations had their reports ruled out.



J. D. Cleghorn

Kent's Island, Bay of Fundy, Canada.—Dec. 30; 10 A.M. to 4.30 P.M. Cloudy and snowing; 1 in. of snow; wind east, light; temp. 12° at start, 20° at return. Five miles on foot; observers together. Common Loon, 3; Black Duck, 35; American Golden-eye, 48; Old-squaw, 500 (est.); Red-breasted Merganser, 20; Purple Sandpiper, 46; Great Black-backed Gull, 1; Herring Gull, 100 (est.); Black Guillemot, 200 (est.); Raven, 2; American Crow, 25; Acadian Chickadee, 8; Red-breasted Nuthatch, 2; Golden-crowned Kinglet, 5; American Pipit, 1; White-winged Crossbill, 20; Slate-colored Junco, 3; Song Sparrow, 12. Total, 18 species, about 1056 individuals. Many Doves were seen on trip from Lubec, Maine, to Kent's Island. Eider Ducks, Razor-billed Auks, and Murres seen on other days.—ALFRED O. GROSS, CHARLES S. BRAND, ERNEST JOY.

Montreal, Que. (census area includes Mount Royal, Westmount Mountain, Montreal West, St. Lambert, and Caughnawaga).—Dec. 26; 8.30 A.M. to 4.15 P.M. Snow flurries; depth of snow, 19 in.; wind fresh, east veering to northwest; temp. 14° at start, 18° at return. Five parties of observers covered 25 miles on skis, snowshoes, and on foot, and 20 miles by motor. American Golden-eye, 30; White-winged Scoter, 37; Red-breasted Merganser, 2; Great Horned Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 12; American Crow, 4; Black-capped Chickadee, 43; White-breasted Nuthatch, 7; Brown Creeper, 2; Robin, 1; Starling, 180 (est.); English Sparrow, 292 (est.); Pine Grosbeak, 10; Common Redpoll, 10; Tree Sparrow, 1. Total, 16 species, 635 (est.) individuals. Seen recently: Snowy Owl, Dec. 24.—J. D. CLEGHORN, J. A. DUCARIE, JOHN FRY, W. S.

FRY, GEORGE HOW, G. M. HYDE, H. A. C. JACKSON, COLIN NICOL, H. F. SEYMOUR, MR. and MRS. L. M. TERRILL, A. M. TERROUX, members of the Province of Quebec Society for the Protection of Birds, Inc.

Hamilton, Ont. (Burlington Bay and Beach, Aldershot, Dundas Marsh, Escarpment to Ancaster, Bronte, and Lake Medad).—Dec. 27; 8 A.M. to 6 P.M. Clear; traces of snow; wind east, light; temp. 26° to 34°. Eight parties on foot, one by car. Mallard, 3; Black Duck, 250; Greater Scaup, 600; Lesser Scaup, 3; American Golden-eye, 270; Buffle-head, 6; Old-squaw, 2; American Merganser, 300; Red-breasted Merganser, 2; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 2; Ruffed Grouse, 18; European Partridge, 4; Pheasant, 26; Glaucous Gull, 1; Iceland Gull, 2; Great Black-backed Gull, 82; Herring Gull, 5200; Mourning Dove, 3; Screech Owl, 3; Great Horned Owl, 3; Arctic Horned Owl, 1; Snowy Owl, 1; Flicker, 5; Hairy Woodpecker, 15; Downy Woodpecker, 35; Blue Jay, 80; Crow, 69; Black-capped Chickadee, 124; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 8; Brown Creeper, 13; Winter Wren, 1; Brown Thrasher, 1 (J. Martin); Robin, 4; Golden-crowned Kinglet, 8; Cedar Waxwing, 101; Starling, 886; English Sparrow, 360; Grackle, 1; Cardinal, 9; Purple Finch, 34; Redpoll, 88; Siskin, 86; Goldfinch, 68; Slate-colored Junco, 206; Tree Sparrow, 411; White-throated Sparrow, 2 (Mrs. Morton, H. C. Nunn); Swamp Sparrow, 2; Song Sparrow, 6; Snow Bunting, 50. Total, 55 species, 9509 individuals.—F. H. BACHER, LEROY DOVE, MRS. J. G. FARMER, MAURICE HACKMAN, DR. R. E. HAIST, KENNETH HANNIGAN, PETER HENDERSON, OLIVER HEWITT, GAVIN LAWRASON, MISS EDITH McEWIN, MRS. F. E. McLOUGHLIN, DR. and MRS. G. O. McMILLAN, REV. CALVIN McQUESTEN, MISS J. MAGEE, MISS ELBANOR MALCOLM, JACK MARTIN, MISS RUBY MILLS, MRS. J. P. MORTON, DOUGLAS MUNDELL, H. C. NUNN, LEONARD POLLARD, BLAIR RONALD, MISS LAURA STEWART, CLIFFORD SWAN, IVOR THORNEWELL, VERNON TROTT, J. H. WILLIAMS, GEORGE W. NORTH, members of Hamilton Bird Protection Society.

Ottawa, Ont.—Dec. 26; 7.30 A.M. to 5 P.M. Completely overcast and snowing until 10.30 A.M.; rest of day partly cloudy, with 50 per cent clear sky as maximum, occasional snow-flurries; wind east, light, to 2 P.M., then calm to 3.30 P.M., then strong west wind to dark; 18 in. snow on ground; temp. 10° at 8.30 A.M., 17° at 1.30 P.M. Twenty observers in 9 parties, in various directions about Ottawa. American Golden-eye, 81; Hooded Merganser, 1 (R. E. DeL.); Ring-necked Pheasant, 2; Rock Dove, 24; Hairy Woodpecker, 5; Downy Woodpecker, 8; Blue Jay, 13; American Crow, 28; Black-capped Chickadee, 128; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 4; Brown Creeper, 4; Robin, 1; Northern Shrike, 2; Starling, 327; English Sparrow, 1254; Pine Grosbeak, 7; Redpoll (*Acanthis linaria* subsp.?), 154; Pine Siskin, 15; Goldfinch, 99; Lapland Longspur, 3 (H. F. L.); Snow Bunting, 473. Total, 22 species, 2655 individuals. The Hooded Merganser, a

female or young bird, was studied with 8-power glasses at 100 yds.; Merganser beak, small size, and dark coloration noted. This bird was not seen to fly, and its failure to migrate south may have been due to injury. Lapland Longspurs (1 group) were feeding on weed seeds and were studied at leisure with 6-power glasses at 10 ft.; blackish breast, reddish nape, and other points noted.—R. M. ANDERSON, F. E. BANIM, R. F. CLARKE, D. B. DELURY, R. E. DELURY, B. A. FAUVEL, G. H. HAMMOND, T. S. HENNESSEY, C. E. JOHNSON, GIFFORD JOHNSON, REVELL JOHNSON, W. H. LANCELEY, BARNARD McL. LEWIS, C. R. LEWIS, HARRISON F. LEWIS, HOYES LLOYD, ARTHUR D. NELLES, A. E. PORSILD, L. K. POUPORE, PEGGY WHITEHURST, members of Ottawa Field-Naturalists' Club.

Bar Harbor, Maine (Mt. Desert Island).—Dec. 23; 6.45 A.M. to 4.15 P.M. Dawned clear, clouded up, spit snow, cleared, became windy, very changeable and unsettled; 1-in. snow in woods; temp. 34° at start, 29° at return. About 100 miles by auto, 20 miles by foot. Observers separated. Common Loon, 2; Red-throated Loon, 6; Holboell's Grebe, 3; Horned Grebe, 7; European Cormorant, 34; Black Duck, 550 (est.); Greater Scaup, 7; American Golden-eye, 294; Buffle-head, 28; Old-squaw, 68; American Eider, 404; White-winged Scoter, 20; American Scoter, 5; American Merganser, 1; Red-breasted Merganser, 11; Red-tailed Hawk, 1; Bald Eagle, 10; Ruffed Grouse, 9; Great Black-backed Gull, 3; Herring Gull, 250; Ring-billed Gull, 1; Dovekie, 5; Black Guillemot, 8; Downy Woodpecker, 4; Blue Jay, 1; Raven, 2; Crow, 50; Black-capped Chickadee, 75; Acadian Chickadee, 3; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 30; Brown Creeper, 1; Robin, 4; Golden-crowned Kinglet, 27; Northern Shrike, 1; Starling, 21; English Sparrow, 40; Pine Siskin, 10; White-winged Crossbill, 20; Tree Sparrow, 2; White-throated Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 2; Rock Dove, 30. Total, 44 species, about 2000 individuals. Tree Sparrows, Fox Sparrow, White-throat, and Song Sparrows were found only in the neighborhood of feeding stations. The lack of Hawks and Owls is notable. Purple Finches, Hairy Woodpeckers, and Juncos have been seen regularly before and since the census, but were not recorded the day of the census.—A. E. BROWER, CHARLES GAY, VERNON LUNT, MAURICE SULLIVAN.

Danforth, Maine.—Dec. 26; 9 A.M. to 4.30 P.M. Snowing; 10-in. snow; wind northwest, light; temp. 22° at start, 20° at return. About 8 miles on foot, 10 in car. Observers together. Ruffed Grouse, 1; Hairy Woodpecker, 1; Blue Jay, 2; Brown Creeper, 1; English Sparrow, 20+; Pine Grosbeak, 4; Junco, 1. Total, 7 species, 30+ individuals.—EVA HUFF, MARJORIE LEE.

Wiscasset, Maine (Waldoboro, Muscongus, Pemaquid).—Dec. 22; 8 A.M. to 4.15 P.M. Cloudy, light northeast wind; temp. 20° to 30°; light snow on ground. Sixty miles by car, 10 miles on foot. Observers together. Holboell's Grebe, 7; Horned Grebe, 5; Black Duck, 31; Golden-eye, 17; Hooded Merganser, 3; American Merganser, 11; Ruffed Grouse, 2; Ring-necked Pheasant, 1; Sandpiper (sp.?), 3; Herring Gull, 50; Blue Jay, 5; Crow, 7;

Black-capped Chickadee, 41; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 6; Robin, 1; Starling, 15; Bronzed Grackle, 1; Common Redpoll, 5; Tree Sparrow, 3; Snow Bunting, 4. Total, 21 species, 220 individuals. Saw-whet Owl and Belted Kingfisher seen few days before.—DOROTHY CLINTON WASHINGTON, LAWRENCE CLINTON WASHINGTON.

Bennington, Vt. (through the fields and woods about Bennington Village).—Dec. 26; 8.30 A.M. to 4 P.M. Ground bare except in the woods where there were 4 to 6 in. of snow. Until noon, low-hanging clouds with a few flakes of snow falling, afternoon clear; no wind; temp. 27° at start, 39° at return. Observers separate. About 12 miles on foot. Ruffed Grouse, 5; Ring-necked Pheasant, 3; Barred Owl, 2 (1 pair); Kingfisher, 1; Downy Woodpecker, 3; Blue Jay, 9; Eastern Crow, 11; Black-capped Chickadee, 29; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Starling, 1000+; English Sparrow, 50+; Goldfinch, 1; Slate-colored Junco, 3; Tree Sparrow, 10. Total 15 species, about 1134 individuals.—DR. and MRS. LUCRETIOUS H. ROSS, MISS SALOME B. ROSS, HARRY C. RIDLON.

Wells River, Vt. (portions of Connecticut and Wells River valleys with enclosing ranges of hills).—Dec. 22; 9.30 A.M. to 4 P.M. Snowing first 45 minutes, then clear with strong northwest wind diminishing; temp. 28° at start, 27° at close. Snow varying in depth from 2 to 6 in. according to altitude (from 400 to 1200 ft.). About 11 miles on foot. Observers together. American Merganser, 14; Ruffed Grouse, 6; Downy Woodpecker, 1; Black-capped Chickadee, 84 (11 flocks); Brown Creeper, 1; Golden-crowned Kinglet, 3; Starling, 165; Pine Grosbeak, 7; Common Redpoll, 15;

Peggy Whitehurst



Dr. Lucretius H. Ross

Goldfinch, 4; Tree Sparrow, 4; Snow Bunting, 8. Total, 12 species, 312 individuals.—WENDELL P. SMITH, GROSVENOR MCGAW.

Belmont and Fresh Pond (Cambridge), Mass.—Dec. 22; 6 A.M. to 5 P.M. Cloudy in A.M., clear after noon; ground bare; ponds partly frozen; light southwest wind; temp. 30° to 50°. About 35 miles on foot, 16 on bicycle, 15 in car. Diameter 4 miles. Observers mostly in pairs. Great Blue Heron, 1; Mallard, 12; Lesser Scaup, 4; American Golden-eye, 65; American Merganser, 37; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 17; Black-backed Gull, 3; Herring Gull, 950; Belted Kingfisher, 1; Flicker, 5; Downy Woodpecker, 16; Blue Jay, 64; Crow, 33; Chickadee, 139; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 5; Brown Creeper, 6; Robin, 3; Golden-crowned Kinglet, 4; Cedar Waxwing, 20; Starling, 675; English Sparrow, 340; Meadowlark, 1; Purple Finch, 2; Common Redpoll, 60; Goldfinch, 80; Slate-colored Junco, 26; Tree Sparrow, 167; White-throated Sparrow, 12; Fox Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, 26. Total, 34 species, about 2825 individuals. Black-crowned Night Heron, Ruffed Grouse, Hairy Woodpecker, Baltimore Oriole, and Red Crossbill also recently seen.—MRS. HAROLD I. BROWN, MRS. GEORGE A. DREW, MRS. HERVEY ELKINS, MRS. RICHARD FOSTER, DORA HUGHES, CLINTON REYNOLDS, CHANDLER S. ROBBINS, MRS. SAMUEL ROBBINS, SAMUEL ROBBINS, JR., LOUIS VOGEL, members of Belmont Bird Club.

Cape Ann, Mass. (and adjacent territory, including Ipswich Beach).—Dec. 26; 7 A.M. to 5 P.M. Partly cloudy; wind westerly, light; temp. 30° to 40°; ground bare. Five parties, one com-

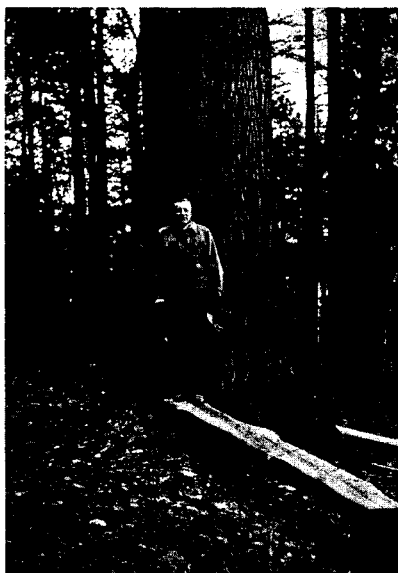
posed of 8 observers offshore part of day. Common Loon, 18; Holboell's Grebe, 4; Horned Grebe, 62; European Cormorant, 95; Great Blue Heron, 1; Black-crowned Night Heron, 1; Mallard, 3; Red-legged Black Duck, 242; Common Black Duck, 3; Greater Scaup, 5; American Golden-eye, 380; Buffle-head, 31; Old-squaw, 140; American Eider, 75; King Eider, 12; White-winged Scoter, 56; Surf Scoter, 45; American Scoter, 11; Ruddy Duck, 1; Red-breasted Merganser, 420; Black Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 3; Purple Sandpiper, 75; Iceland Gull, 4; Great Black-backed Gull, 114; Herring Gull, 2500; Brunnich's Murre, 2; Dovekie, 1; Black Guillemot, 22; Mourning Dove, 16; Screech Owl, 1; Great Horned Owl, 1; Snowy Owl, 4; Belted Kingfisher, 3; Flicker, 34; Hairy Woodpecker, 3; Downy Woodpecker, 21; Horned Lark, 90; Blue Jay, 120; Crow, 500; Black-capped Chickadee, 420; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 137; Brown Creeper, 20; Winter Wren, 1; Carolina Wren, 1; Robin, 36; Hermit Thrush, 1; Golden-crowned Kinglet, 8; Starling, 900; Myrtle Warbler, 130; English Sparrow, 260; Eastern Meadowlark, 1; Bronzed Grackle, 1; Purple Finch, 6; Common Redpoll, 5; Goldfinch, 300; Red-eyed Towhee, 2; Ipswich Sparrow, 2; Savannah Sparrow, 7; Slate-colored Junco, 110; Tree Sparrow, 155; White-throated Sparrow, 14; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 18; Lapland Longspur, 3; Snow Bunting, 1. Total, 72 species, 7675 individuals. The King Eiders, which included several adult males, were seen by Griscom *et al.* The Black Vulture was seen over Sagamore Hill, Hamilton, in perfect light and at close range by Emilio, Dodge, and Foye. The absurdly short tail and the round whitish spots near the wing-tips were clearly seen. There are nine other records for Essex County. The Carolina Wren was found in Gloucester by the Touseys and Stackpole.—ELISHA ATKINS, E. S. DODGE, S. G. EMILIO, S. A. ELIOT, JR., T. L. ELIOT, K. C. ELKINS, E. P. FOYE, LUDLOW GRISCOM, R. M. HINCHMAN, R. H. HORNBLLOWER, F. B. LAWSON, RALPH LAWSON, W. B. LONG, JR., MR. and MRS. S. H. LOW, MATTHEW PRATT, C. S. ROBBINS, O. K. SCOTT, V. SHAILIN, BENJAMIN SHREVE, MISS POLLY SMITH, RICHARD STACKPOLE, WENDELL TABER, MR. and MRS. RICHARD TOUSEY, ROBERT WALCOTT, F. B. WHITMAN, JR.

Cape Cod, Mass. (North Eastham to East Dennis and Chatham).—Dec. 19; 7 A.M. to 5 P.M.; mostly clear; light northeast wind; temp. about 35°. Most of the ponds were or had been recently frozen. Observers in cars over four routes and a fifth covered the islands of Pleasant Bay with a boat. Common Loon, 29; Red-throated Loon, 2; Horned Grebe, 9; Pied-billed Grebe, 1; Great Blue Heron, 29; Black-crowned Night Heron, 10; Canada Goose, 912; American Brant, 105; Mallard, 2; Red-legged and Common Black Ducks, 5818; Baldpate, 3; Pintail, 1; Green-winged Teal, 4; Greater Scaup, 146; Lesser Scaup, 55; Golden-eye, 1080; Buffle-head, 128; Old-squaw, 42; American Eider, 1412; White-winged Scoter, 190; Surf Scoter, 1; American Scoter, 5; Ruddy Duck, 10;

Hooded Merganser, 9; American Merganser, 166; Red-breasted Merganser, 162; Goshawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1 (Griscorn); Rough-legged Hawk, 6; Bald Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 7; Bob-white, 31; American Coot, 13; Black-bellied Plover, 2 (Eaton and Hinchman); Wilson's Snipe, 1; Red-backed Sandpiper, 65; Sanderling, 1; Great Black-backed Gull, 230; Herring Gull, 4200; Ring-billed Gull, 46; Brunnich's Murre, 1; Dovekie, 22 and many dead; Black Guillemot, 1 (Eaton); Mourning Dove, 5; Screech Owl, 3; Snowy Owl, 4; Short-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 7; Flicker, 59; Hairy Woodpecker, 2; Downy Woodpecker, 8; Northern Horned Lark, 94; Blue Jay, 51; Crow, 203; Black-capped Chickadee, 210; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 11; Brown Creeper, 4; Catbird, 2; Robin, 124; Hermit Thrush, 1; Bluebird, 92; American Pipit, 2 (Hagar); Northern Shrike, 1; Migrant Shrike, 1 (Poor, Dr. and Mrs. Tousey, Low); Starling, 873; Myrtle Warbler, 608; Pine Warbler, 5; Western Palm Warbler, 2; English Sparrow, 113; Meadowlark, 92; Purple Finch, 2; Pine Siskin, 4; Goldfinch, 197; Ipswich Sparrow, 2; Savannah Sparrow, 8; Sharp-tailed Sparrow, 4 (Griscorn, Low); Slate-colored Junco, 37; Tree Sparrow, 191; Field Sparrow, 6; White-throated Sparrow, 11; Fox Sparrow, 3; Swamp Sparrow, 3; Song Sparrow, 60; Snow Bunting, 2. Total, 90 species, 18,082 individuals. The large increase in number of species may in part be accounted for by the fact that this was the first census ever taken under favorable weather conditions. The previous high list was 79.—W. DAVID ANDERSON, JOHN P. BISHOP, MR. and MRS. PAUL BROOKS, MR. and MRS. CARL W. BUCHHEISTER, E. W. CUTLER, G. W. COTTELL, JR., RICHARD J. EATON, KIMBALL C. ELKINS, DAVID C. GARRISON, A. BOYNTON GLIDDEN, JR., LUDLOW GRISCOM, JOSEPH A. HAGAR, R. M. HINCHMAN, RALPH HORNBLLOWER, JR., MR. and MRS. SETH H. LOW, MRS. PALMER PUTNAM, HUSTACE H. POOR, JULIET RICHARDSON, RICHARD STACKPOLE, WENDELL TABER, DR. and MRS. RICHARD TOUSEY.

Cohasset and North Scituate, Mass.—Dec. 25; 9 A.M. to sunset. Overcast in A.M., clearing about noon; ground bare; wind east in A.M. veering to northwest, light; temp. 40° at start, 38° at return. About 6 miles on foot, 10 miles in cars. Observers together. European Cormorant, 1; Black Duck (subsp.), 54; American Golden-eye, 37; White-winged Scoter, 1; Red-breasted Merganser, 19; Purple Sandpiper, 60 (1 flock); Great Black-backed Gull, 6; Herring Gull, 161; Belted Kingfisher, 1; Flicker, 2; Downy Woodpecker, 1; Northern Horned Lark, 32; Blue Jay, 7; Crow, 25; Black-capped Chickadee, 40; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Robin, 4; Cedar Waxwing, 76; Starling, 27; Myrtle Warbler, 2; English Sparrow, 28; Purple Finch, 6; Goldfinch, 12; Slate-colored Junco, 11; Tree Sparrow, 12; Fox Sparrow, 1; Song Sparrow, 4. Total, 28 species, 632 individuals.—HENRY ENDICOTT, LAURENCE B. FLETCHER, DR. JOHN B. MAY, JOHN G. TYLER, WINOIR M. TYLER.

Holyoke, Mass. (to Connecticut state line).—Dec. 23; 7 A.M. to 3:30 P.M. Clear, ground bare;



Aaron C. Bagg

ice on all ponds; strong west wind; temp. 39° at start, 30° at return. Partly on foot, partly by auto. Mallard, 60+; Black Duck, 10+; Red-legged Black Duck, 275+; Greater Scaup, 4; American Golden-eye, 20; American Merganser, 200+; Goshawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 3; Herring Gull, 41; Snowy Owl, 1; Screech Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 8; Downy Woodpecker, 9; Blue Jay, 35; Crow, 85; Black-capped Chickadee, 150; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 14; Brown Creeper, 15; Robin, 3; Golden-crowned Kinglet, 3; Northern Shrike, 1; Starling, 850+; English Sparrow, 83; Redpolls, 73; Pine Siskin, 1; Goldfinch, 92; Slate-colored Junco, 44; Tree Sparrow, 27; White-throated Sparrow, 1; Song Sparrow, 5. Total, 33 species, 2132+ individuals.—A. C. BAGG, A. M. BAGG, ALICE M. BOWEN, J. H. CONKEY, SAMUEL A. ELIOT, JR., HARRIET FLAGG, JAY MADEIRA, JEAN MURDOCH, IDA ROBBINS, MR. and MRS. R. C. SHERWOOD, FANNIE A. STEBBINS.

Lenox, Mass. (and vicinity).—Dec. 26; 8 A.M. to 4:30 P.M. Partly cloudy; wind west, moderate; ground partly covered by snow; all still water frozen; temp. 24° at start, 30° at return. About 20 miles by auto, 8 miles on foot. Observers together. Great Blue Heron, 1; Ruffed Grouse, 3; Screech Owl, 1 (freshly killed by auto); Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 15; Crow, 4; Chickadee, 75; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 3; Brown Creeper, 2; Golden-crowned Kinglet, 1; Starling, 6; House Sparrow, 5000; Myrtle Warbler, 3; House Sparrow, 15; Meadowlark, 5; Purple Finch, 6; Goldfinch, 20; Slate-colored Junco, 3; Tree Sparrow, 58; Song

found in several white pine stands.—GEORGE J. WALLACE, S. MORRIS PELL.

Martha's Vineyard, Mass. (western half of Edgartown and Oak Bluffs to and including Squibnocket Pond in town of Gay Head).—Dec. 21; 7 A.M. to 5:30 P.M. Cloudy and partly cloudy, with occasional intervals of sunshine; all but smallest ponds unfrozen; wind northeast and north, moderate; temp. 26° min., 35° max. Party generally together, working from one car, with side-trips on foot by pairs of observers. Loon, 22; Red-throated Loon, 68; Horned Grebe, 31; Gannet, 1; European Cormorant, 1; Great Blue Heron, 15; Canada Goose, 100; Mallard, 1; Red-legged and Common Black Ducks, 375; Baldpate, 2; Green-winged Teal, 3; Redhead, 11; Canvas-back, 45; Greater Scaup, 1000 (est.) with presumably a scattering of Lesser Scaup; Golden-eye, 255; Buffle-head, 26; Old-squaw, 215; Harlequin Duck, 14; American Eider, 60; White-winged Scoter, 128; American Scoter, 400; Ruddy Duck, 250; American Merganser, 200; Red-breasted Merganser, 140; Sharp-shinned Hawk, 2; Red-tailed Hawk, 14; Rough-legged Hawk, 9; Marsh Hawk, 9; Sparrow Hawk, 3; Ring-necked Pheasant, 1; American Coot, 53; Black-backed Gull, 44; Herring Gull, 650; Bonaparte's Gull, 7; Barn Owl, 1; Screech Owl, 1; Snowy Owl, 3; Short-eared Owl, 1; Kingfisher, 1; Flicker, 28; Downy Woodpecker, 4; Northern Horned Lark, 120; Blue Jay, 16; Crow, 112; Chickadee, 75; White-breasted Nuthatch, 1; Robin, 2; Hermit Thrush, 1; Bluebird, 6; Golden-crowned Kinglet, 7; Starling, 550; Myrtle Warbler, 40; Meadowlark, 29; Common Redpoll, 1; Goldfinch, 1; Ipswich Sparrow, 4; Savannah Sparrow, 15; Junco, 4; Tree Sparrow, 38; White-throated Sparrow, 44; Song Sparrow, 15; Snow Bunting, 28. Total, 64 species, about 5300 individuals.—RUTH L. TOUSEY, RICHARD TOUSEY, DAVID L. GARRISON, BENJAMIN B. LEAVITT, JOSEPH A. HAGAR.

Newburyport, Mass. (Plum Island and West Newbury).—Dec. 26; 7 A.M. to 4:30 P.M. Clear; wind northwest, light; temp. 28° at start, 38° at return. Observers not all together. Common Loon, 6; Western Grebe, 1 (by Mr. and Mrs. Elkins; at close range, every marking including yellow bill noted; observers previously familiar with species in life); Horned Grebe, 39; Great Blue Heron, 1; Canada Goose, 11; Mallard, 2; Red-legged Black Duck, 5500; Pintail, 2; Greater Scaup, 77; American Golden-eye, 800; Buffle-head, 12; Old-squaw, 500; White-winged Scoter, 53; Surf Scoter, 4; Red-breasted Merganser, 500; Red-tailed Hawk, 1; Sparrow Hawk, 2; Sanderling, 3; Glaucous Gull, 1; Great Black-backed Gull, 2; Herring Gull, 500; European Black-headed Gull (old adult with salmon-pink breast; present since early November; well known to all local observers); Bonaparte's Gull, 80; Snowy Owl, 7; Flicker, 7; Hairy Woodpecker, 1; Northern Horned Lark, 37; Blue Jay, 10; Crow, 20; Black-capped Chickadee, 72; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 6; Brown Creeper, 5; Robin, 10; Golden-crowned Kinglet, 1; Starling, 5000; Myrtle Warbler, 3; House Sparrow, 15; Meadowlark, 5; Purple Finch, 6; Goldfinch, 20; Slate-colored Junco, 3; Tree Sparrow, 58; Song

Sparrow, 5; Lapland Longspur, 1; Snow Bunting, 66. Total, 46 species, 12,806 individuals.—RUTH BATCHELDER, MR. and MRS. HERVEY ELKINS, DR. JOHN D. HOUGHTON, DAVID L. GARRISON, BENJAMIN LEAVITT (in a canoe in Newburyport harbor from 11:30 A.M. to 4:30 P.M.), JULIET RICHARDSON, MRS. ROBERT WALCOTT, MAURICE WALCOTT, CHARLES SAFFORD, Warden for the Massachusetts Audubon Society at Plum Island.

Northampton, Mass.—Dec. 20; daylight to dark. Fair; ground bare; wind northwest, fresh; temp. 35°. The same 15-mile circle as in the last 3 years, more thoroughly covered, by more observers, than ever before. American Merganser, 6; Red-shouldered Hawk, 2 sep.; Sparrow Hawk, 5; Ruffed Grouse, 19; Pheasant, 2; Killdeer, 1; Herring Gull, 6; Great Horned Owl, 2; Barred Owl, 1; Kingfisher, 1; Flicker, 2 sep.; Pileated Woodpecker, 1; Hairy Woodpecker, 28; Downy Woodpecker, 57; Horned Lark, 43; Blue Jay, 210; Crow, 590; Chickadee, 400; White-breasted Nuthatch, 93; Red-breasted Nuthatch, 45; Brown Creeper, 26; Long-billed Marsh Wren, 1; Robin, 10; Bluebird, 6; Golden-crowned Kinglet, 6 tog. (very scarce); Cedar Waxwing 16 tog.; Northern Shrike, 1; Starling, 1300; English Sparrow, 875; Meadowlark, 2 sep.; Rusty Blackbird, 19 (latest ever known); Evening Grosbeak, 1; Purple Finch, 73 (extraordinary); Pine Grosbeak, 4 tog.; Redpoll, 45; Siskin, 12 tog.; Goldfinch, 245; Junco, 73; Tree Sparrow, 253; Field Sparrow, 3 tog. (among Trees); White-throated Sparrow, 12; Fox Sparrow, 1; Song Sparrow, 14; Snow Bunting, 17. Total, 44 species, 4493 individuals. The Marsh Wren and Blackbird were in the same marsh, closely studied (Eliot). A Screech Owl and a Winter Wren, previously 'spotted,' were not locatable on census day.—ANNA and HENRY ALLISON, MRS. HOWARD ALCON, AARON C. BAGG, MRS. F. H. BURR, MISS RUTH BURRILL, MILO BUZZER, JOHN CARVER, MRS. M. E. CHOATE, R. M. CLARK, REV. and MRS. HENRY COE, MRS. A. P. CONNOR, MRS. F. M. CUTLER, MR. and MRS. M. A. DICKINSON, JR., MRS. ALMA S. EDWARDS, S. A. ELIOT, JR., DWIGHT and JOHN GRAVES, MR. and MRS. U. G. GROFF, WALTER H. HARRISON, MRS. P. M. MCINTOSH, LENORE and JAY MADBIRA, MRS. FRANK MERRICK, MISS MARY POMEROY, MISS GRACE E. PORTER, SAMUEL POTSUBAY, PROF. and MRS. F. P. RAND, ALAN RIBDEL, MR. and MRS. DAVID RIBDEL, MRS. H. O. ROCKWOOD, BURLINGHAM SCHURR, R. C. SHERWOOD, MISS E. M. SMITH, MRS. ELMER STAPLES, MISS F. A. STEBBINS, DR. and MRS. HARVEY SWEETMAN, ALDEN P. TUTTLE, MRS. S. H. WAKEMAN, PROF. and MRS. F. A. WAUGH, PROF. and MRS. W. S. WELLES.

Charlestown, R. I. (Kimball Bird Sanctuary and environs; Charlestown Pond to Napatree Point, Watch Hill).—Dec. 23; 7 A.M. to 4:30 P.M. Weather partly cloudy; at start, temp. 44°, barometer 30, wind southwest and moderate; at return, temp. 36°, barometer 30.2, wind northwest and light. About 6 miles on foot and 52 miles by auto. Observers together. Common Loon, 4; Holboell's Grebe, 1; Horned Grebe, 9; Great Blue Heron, 2; Common Black Duck, 290; Greater Scaup, 644; American Golden-eye, 19; Buffle-head, 39; Old-squaw, 2; American Eider, 2; White-winged

Providence, R. I. (to Warwick Light and Rumstick Point, on Narragansett Bay).—Dec.

Tiverton and Little Compton, R. I., and Acoaxet, Mass.—Dec. 26; dawn to dark. Clear, except one hour at noon; ponds open but frozen earlier; ground bare; light to moderate westerly winds; temp. 36° to 33°. About 80 miles by auto; 6 afoot. Two cars, together; walking parties scattered. Common Loon, 15; Red-throated Loon, 2; Holboell's Grebe, 7; Horner Grebe, 24; European Cormorant, 1; Great Blue Heron, 3; Black-crowned Night Heron, 1; Red-legged and Common Black Duck, 266+; Baldpate, 280+; Pintail, 30; Green-winged Teal, 5; Redhead, 3; Greater Scaup, 27+; Lesser Scaup, 8; American Golden-eye, 154+; Buffle-head, 6; Oldsquaw, 9; King Eider, 1 female; White-winged Scoter, 200+; Surf Scoter, 10; Ruddy Duck, 12; American Merganser, 10; Red-breasted Merganser, 216+; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Golden Eagle, 1 (imm.). Marsh Hawk, 1; Sparrow Hawk, 2; American Coot, 4; Red-backed Sandpiper, 1; Semipalmated Sandpiper, 83 (1 flock); Great Black-backed Gull, 8; Herring Gull, 280+; Ring-billed Gull, 8; Bonaparte's Gull, 26+; Razor-billed Auk, 1; Mourning Dove, 30; Snowy Owl, 1; Kingfisher, 3; Flicker, 6; Downy Woodpecker, 1; Northern Horned Lark, 40+; Blue Jay, 11; Crow, 60+; Chickadee, 50+; Robin, 3; Cedar Waxwing, 13; Starling, 700+; Orange-crowned Warbler, 1 (Drury); Myrtle Warbler, 52; English Sparrow, 50+; Meadowlark, 26; Bronzed Grackle, 1; Goldfinch, 7; Red-eyed Towhee, 1; Savannah Sparrow, 2; Vesper Sparrow, 4; Junco, 55; Tree Sparrow, 19; Chipping Sparrow, 1 (Drury); White-throated Sparrow, 4; Song Sparrow, 30+; Snow Bunting, 5. Total, 65 species, 2875+ individuals. The King Eider was studied at close range with a 40X telescope. Narrow white wing-bars, etc., were observed. The Golden Eagle was studied at rest and in flight with the telescope and good binoculars. Fine head and bill, whitish basal areas in wings and tail, broad wings, etc., were observed. The number of wintering birds is remarkable.

Saybrook, Conn. (both sides of Connecticut River mouth, along Long Island Sound, and inland).—Dec. 24; sunrise to sunset. Fair to overcast in P.M. Cold northeast to southeast wind temp. 22° to 39°. Ground bare; still water and cove edges frozen. By car and on foot within prescribed area. Common Loon, 2; Horned Grebe, 2; Mallard, 9; Red-legged and Black Duck, 1000 (est.); Scaup, 116; Golden-eye, 17; Buffle-head, 11; Old-squaw, 43; White-winged Scoter, 15; Surf Scoter, 18; American Scoter, 7 (also many Scoters too distant to distinguish); American Merganser, 14; Red-breasted Merganser, 86; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Killdeer, 1; Great Black-backed Gull 5; Herring Gull, 390; Ring-billed Gull, 83; Northern Flicker, 2; Downy Woodpecker, 1; Northern Horned Lark, 15; Tree Swallow, 36; Blue Jay, 3; Eastern Crow, 26;

Southwestern Connecticut (best sections of shore-line from Tod's Point to Compo Beach, plus several inland woodlands).—Dec. 22; before dawn to sunset. Cloudy all morning, clearing at noon; wind southwest at start, velocity 16 miles, to west at dusk, velocity 24 miles; temp. 37° at start to 49° at 3 P.M. and back to 44° at sundown. About 55 miles in automobile, over 12 miles on foot. Common Loon, 1; Red-throated Loon, 2; Holboell's Grebe, 1; Horned Grebe, 12; Great Blue Heron, 1; Black-crowned Night Heron, 1; Canada Goose, 6; (Greater?) Snow Goose, 1; Mallard, 70 (probably mostly feral); Red-legged and Common Black Duck, 400; American Golden-eye, 300; Buffle-head, 2; Old-squaw, 80; American Scoter, 10; White-winged Scoter, 1500; Surf Scoter, 80; American Merganser, 20; Red-breasted Merganser, 300; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 3; Killdeer, 2; Iceland Gull, 1 (second year plumage); Great Black-backed Gull, 15; Herring Gull, 3000 (1 first-year bird with single red band, Kent Island, New Brunswick, 1937); Ring-billed Gull, 20; Rock Dove, 10; Belted Kingfisher, 6; Flicker, 1; Downy Woodpecker, 2; Northern Horned Lark, 35; Blue Jay, 12; Crow, 28; Black-capped Chickadee, 60; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 18; Hermit Thrush, 1; Golden-crowned Kinglet, 14; Cedar Waxwing, 1; Starling, 500; Myrtle Warbler, 50; English Sparrow, 300; Meadowlark, 1; Goldfinch, 60; Slate-colored Junco, 40; Tree Sparrow, 30; Field Sparrow, 10; White-throated Sparrow, 40; Fox Sparrow, 20; Swamp Sparrow, 4; Song Sparrow, 40; Lapland Longspur, 1 (studied care-

fully at 15 yards; with Horned Larks); Snow Bunting, 8. Total, 55 species, over 7133 individuals. Also thousands of Ducks too distant for identification. The Snow Goose, the most exciting find of the day, was found on Cedar Point near Compo Beach. When approached too closely it would circle over the bay only to return to another grassy lawn on the point.—MR. and MRS. ALLAN D. CRUICKSHANK.

Bronx Region, New York, N. Y. (Hudson River Valley to Long Island Sound with a city, and suburban area bounded by a circle of 15 miles, diameter).—Dec. 26; 6 A.M. to 5 P.M. Clear; no snow; small lakes partly frozen; wind light; temp. 29° to 37°. Thirty-four observers (an increase of 70 per cent over 1936) working in parties of two or three. Common Loon, 2; Red-throated Loon, 10; Holboell's Grebe, 1; Horned Grebe, 3; Great Blue Heron, 6; Black-crowned Night Heron, 136; Canada Goose, 3; Mallard, 25; Red-legged and Common Black Duck, 1933 (partly est.; both kinds identified); Gadwall, 1; Baldpate, 6; Pintail, 4; Green-winged Teal, 1; Wood Duck, 1; Canvas-back, 4; Ring-necked Duck, 1; Greater Scaup, 2450 (est.); Lesser Scaup, 4; American Golden-eye, 550 (est.); Buffle-head, 3; Old-squaw, 85; White-winged Scoter, 500 (est.); Surf Scoter, 50 (est.); American Scoter, 10; Ruddy Duck, 4; Hooded Merganser, 30 (est.); American Merganser, 360 (est.); Red-breasted Merganser, 350 (est.); Goshawk, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 11; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 1; Duck Hawk, 4; Sparrow Hawk, 13; Bob-white, 22; Pheasant, 52; Virginia Rail, 2; Clapper Rail, 4; Killdeer, 2; Ruddy Turnstone (first census record here), 1; Wilson's Snipe, 3; Greater Yellow-legs, 3; Iceland Gull, 1; Great Black-backed Gull, 17; Herring Gull, 6900 (est.); Ring-billed Gull, 8; Bonaparte's Gull, 7; Mourning Dove, 24; Barn Owl, 1; Screech Owl, 5; Great Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Kingfisher, 9; Flicker, 19; Red-headed Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 48; Horned Lark, 6; Blue Jay, 392 (partly est.); Eastern Crow, 429 (partly est.); Fish Crow, 4; Chickadee, 315; Tufted Titmouse, 7; White-breasted Nuthatch, 82; Red-breasted Nuthatch, 1; Brown Creeper, 13; Winter Wren, 2; Carolina Wren, 2; Long-billed Marsh Wren, 3; Catbird, 1; Robin, 31; Hermit Thrush, 6; Bluebird, 9; Golden-crowned Kinglet, 2; Pipit, 1; Cedar Waxwing, 3; Starling, 6850 (est.); Myrtle Warbler, 21; Yellow Palm Warbler, 1 (first census record here); Yellow-throat, 1; House Sparrow, 325 (est.); Meadowlark, 21; Red-wing, 100 (est.); Rusty Blackbird, 4; Grackle, 20; Cowbird, 2; Pine Siskin, 110; Goldfinch, 110; Towhee, 1; Savannah Sparrow, 11; Vesper Sparrow, 2; Junco, 235 (est.); Tree Sparrow, 370 (partly est.); Field Sparrow, 21; White-throated Sparrow, 177; Fox Sparrow, 15; Swamp Sparrow, 26; Song Sparrow, 263 (partly est.); Lapland Longspur, 2; Snow Bunting, 1. Total, 107 species and subspecies, about 23,400 individuals. Missed: Cardinal, Purple Finch. Seen within last week: Mockingbird. For an area on the periphery of this year's circle and included in this census in past years, see

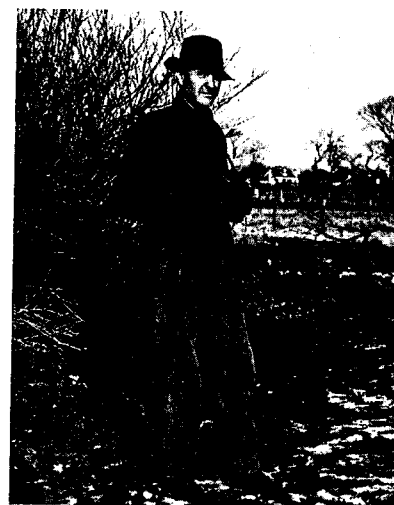
census for Piermont Marsh and Northvale Swamp N. Y.—DR. CLEMENT B. P. COBB, DR. EDSON B. HECK, RICHARD A. HERBERT, MICHAEL OBOIKO, PAUL and ROBERT THOMAS, DONALD, RICHARD and ROBERT DEED, DR. ERNST MAYR, MR. and MRS. CHARLES K. NICHOLS, MR. and MRS. ALLAN D. CRUICKSHANK, JOHN F. MATUSZEWSKI, BENEDICT GELL-MANN, ROGER T. PETERSON, IRVING CANTOR, HENRY KARSCH, JR., WILLIAM J. NORSE, GEORGE KOMOROWSKI, DANIEL LEHRMAN, MRS. ROGER T. PETERSON, IRVING KASSOY, FREDERICK P. MANGELS, WILLIAM A. WEBER, ROBERT KRAMER, ORLANDO K. STEPHENSON, JR., ALFRED MILCH, JOSEPH ORENSTEIN, WILLIAM FEIGIN, JOHN PHILIPS, JOSEPH J. HICKEY.

Brooklyn, N. Y. (from Dyker Beach Park to east of Old Mill).—Dec. 26; 6:30 A.M. to 5 P.M. Partly cloudy; temp. 32° at start, 38° at return; brisk west wind. Eight observers in six parties of one and two. Red-throated Loon, 3; Holboell's Grebe, 4; Great Blue Heron, 5; Black-crowned Night Heron, 17; American Bittern, 2; Brant, 4; Mallard, 10; Red-legged Black Duck, 144; Black Duck, 1; Pintail, 1; Green-winged Teal, 8; Canvas-back, 1; Greater Scaup, 2800+; Lesser Scaup, 10; Golden-eye, 3000+; Buffle-head, 52; Old-squaw, 12; American Scoter, 17; Hooded Merganser, 1; American Merganser, 4; Red-breasted Merganser, 19; Sharp-shinned Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 11; Sparrow Hawk, 10; Clapper Rail, 5; Killdeer, 5; Black-bellied Plover, 13; Greater Yellow-legs, 1 (M. J.); Purple Sandpiper, 2 (M. F. & S. P.); Sanderling, 1; Iceland Gull, 1; Great Black-backed Gull, 44; Herring Gull, 17,500+; Ring-billed Gull, 55; Bonaparte's Gull, 2500+; Rock Dove, 250+; Mourning Dove, 2; Screech Owl, 1; Snowy Owl, 4 (1 dead); Short-eared Owl, 7; Kingfisher, 1; Flicker, 1; Downy Woodpecker, 10; Horned Lark, 127; Prairie Horned Lark, 20; Tree Swallow, 5; Blue Jay, 27; Eastern Crow, 17; Fish Crow, 7; Black-capped Chickadee, 16; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 1; Long-billed Marsh Wren, 3; Catbird, 2; Robin, 3; Hermit Thrush, 3; Ruby-crowned Kinglet, 1; Pipit, 11; Cedar Waxwing, 12; Starling, abundant; Yellow Palm Warbler, 1; Yellow-throat, 1 (male black mask noted.—S. P.); English Sparrow, abundant; Meadowlark, 50; Red-wing, 4; Rusty Blackbird, 12; Grackle, 1 (subsp.?); Cardinal, 2; Purple Finch, 6; Goldfinch, 5; Red-eyed Towhee, 1; Ipswich Sparrow, 2; Savannah Sparrow, 75; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Slate-colored Junco, 34; Tree Sparrow, 110; Chipping Sparrow, 1; Field Sparrow, 4; White-throated Sparrow, 42; Fox Sparrow, 18; Swamp Sparrow, 8; Song Sparrow, 78; Lapland Longspur, 2; Snow Bunting, 10. Total, 88 species, 27,273 individuals.—BERNARD P. BRENNAN, MICHAEL FLYNN, GEORGE E. HIX, MALCOLM JACOBSON, EMANUEL LEVINE, SAM MANDLEWITZ, BERNARD H. NATHAN, SAM PAINTER.

Buffalo, N. Y. (centering from Grand Island, Canadian and American shore of Niagara River, Buffalo to Niagara Falls).—Dec. 26; 8 A.M. to 5 P.M. Clear, 2 to 36 in. of snow (covering most of the weeds); wind southwest to west, 47 m.p.h. in morning, decreasing to 35 m.p.h. by 3 P.M.;

temp. 28° to 34°. Fifteen parties, 37 observers, covering entire area on foot and by auto. Horned Grebe, 1; Double-crested Cormorant, 1; Mallard, 42; Red-legged and Common Black Duck, 1254; Pintail, 5; Redhead, 5; Canvas-back, 29; Greater and Lesser Scaup, 1950; American Golden-eye, 1648; Buffle-head, 40; Old-squaw, 8; Hooded Merganser, 1; American Merganser, 548; Red-breasted Merganser, 13; Goshawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Rough-legged Hawk, 8; Sparrow Hawk, 8; Ruffed Grouse, 1; Ring-necked Pheasant, 324; Glaucous Gull, 3; Iceland Gull, 2; Kumlien's Gull, 1; Great Black-backed Gull, 21; Herring Gull, 7362; Ring-billed Gull, 7; Bonaparte's Gull, 3856; Great Horned Owl, 3; Long-eared Owl, 1; Short-eared Owl, 1; Flicker, 1; Red-headed Woodpecker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 40; Northern Horned Lark, 1; Blue Jay, 36; Crow, 257; Black-capped Chickadee, 91; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 1; Brown Creeper, 8; Golden-crowned Kinglet, 1; Starling, 1437; English Sparrow, 822; Meadowlark, 1; Common Redpoll, 4; Goldfinch, 8; Tree Sparrow, 28; Song Sparrow, 1; Snow Bunting, 125. Total, 53 species, 20,056 individuals. A Snowy Owl was seen in Buffalo on Dec. 24, and Great Blue Heron, Ring-necked Duck, White-throated Sparrow, and Lapland Longspur on Grand Island the previous week-end.—CLARK BEARDSLEE, THOMAS L. BOURNE, MR. and MRS. A. C. BRETTELL, WINSTON BROCKNER, ROGER COBB, DOROTHEA DUTTWILLER, ELOISE DANFORTH, EDWARD A. EAMES, MR. and MRS. HARLAN ECKLER, DR. LEE HERNDON, MR. and MRS. T. M. KELLY, MR. and MRS. GEORGE KRATZER, WARD KLEPPER, DENNIS LEE, ROBERT MANSFIELD, MRS. LLOYD MANSFIELD, H. D. MITCHELL, CORNIE MOORE, MAYNARD RAMSEY, MRS. D. M. REYNOLDS, CLAIRE SOMERSIDE, BERTHA SCHWENGER, JAMES SAVAGE, JOHN SCHMAHL, HEATHER THORPE, EDWARD SEEBER, MARIE WENDLING, MR. and MRS. EDWARD ULRICH, WILLIAM C. VAUGHAN, RUTH WEIERHEISER, ALFRED WANDER, HOWARD WANDER.

East Hampton, L. I., N. Y. (Mecox Bay to Springs; ocean beach, coastal ponds, fresh- and salt-water swamps; pitch pine, oak, and mixed deciduous woods; open fields, shores of Gardiner's Bay).—Dec. 21; 5:30 A.M. to 6:45 P.M. Alternately cloudy and clear, winds variable, from southwest to northwest, strong at midday, imperceptible at dawn and dusk. No snow, mere trace of ice in smaller pools. Temp. 32° at start, 28° at close. Fifteen-mile diameter not exceeded. Observers together in P.M.; J. L. H. alone inland in A.M. Loon, 14; Red-throated Loon, 17; Holboell's Grebe, 29; Horned Grebe, counted to 273, but others also seen; Great Blue Heron, 18; Black-crowned Night Heron, 6; Mute Swan, 121; Whistling Swan, 2; Canada Goose, 79; Snow Goose (Greater?), 2; Mallard, 7; Black Duck, 773 (est.), containing at least 20 Red-legged Black Duck; Gadwall, 1; Baldpate, 33; Pintail, 22; Green-winged Teal, 5 (flock); Wood Duck, 1; Redhead, 4; Ring-necked Duck, 11; Canvas-back, 36; Greater Scaup, circ. 1255, may contain Lesser Scaup; Lesser Scaup, at least 22; Golden-eye, 131; Buffle-head, 6; Old-squaw, circ. 100; American



W. T. Helmuth III

Scoter, at least 12; White-winged Scoter, circ. 264; Surf Scoter, at least 206; unidentified Ducks, circ. 350; unidentified Scoters, circ. 300; Ruddy Duck, 97; Hooded Merganser, 3; American Merganser, 6; Red-breasted Merganser, 39; Sharp-shinned Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 7; Pheasant, 2; Coot, 52; Black-bellied Plover, 1; Wilson's Snipe, 2; Red-backed Sandpiper, 3; Sanderling, 1; Black-backed Gull, 71; Herring Gull, at least 1059; Ring-billed Gull, circ. 383; Kittiwake, 1; Dovekie, 1; Mourning Dove, 2 (J. L. H.); Screech Owl, 1; Long-eared Owl, 4 (at 2 separate roosts); Short-eared Owl, 1; unidentified large, pale Owl, perhaps Barn Owl, 1; Kingfisher, 2; Flicker, 8; Hairy Woodpecker, 1 (J. L. H.); Downy Woodpecker, 3; unidentified middle-sized, black Woodpecker, 1 (J. L. H.); Horned Lark, at least 469; Blue Jay, 15 (J. L. H.); Crow, 38; Black-capped Chickadee, 26; White-breasted Nuthatch, 2 (J. L. H.); Red-breasted Nuthatch, 4; Robin, 5; Hermit Thrush, 1; Bluebird, 8; Golden-crowned Kinglet, 6 (J. L. H.); Starling, 174; Myrtle Warbler, circ. 175; English Sparrow, circ. 120, over 100 in one flock; Meadowlark, 28; Purple Finch, 1; Redpoll, 4; Goldfinch, 1; Towhee, 1; Ipswich Sparrow, 4; Savannah Sparrow, 19; Sharp-tailed Sparrow, 1; Junco, 40; Tree Sparrow, 59; White-throated Sparrow, 35; Fox Sparrow, 18; Swamp Sparrow, 1; Song Sparrow, 42; Lapland Longspur, 5; Snow Bunting, 24; unidentified Sparrows, 12. Total, 85 species, about 7183 individuals. Whistling Swans living with Mute Swans since Oct. 31; black, yellow-spotted bill of adult clearly seen; young bird compared directly with young Mute Swans of varying ages. Snow Geese seen at 75 yds., browsing on mudflats with Gulls and Swans, curved white tertials seen against black primaries, red bills and legs, etc. Gadwall, a drake, seen at 100 yds., through 25X telescope, among Baldpate, Black Duck, and

Pintail. Wood Duck heard squealing at about 20 yds., in freshwater swamp, after sundown, but seen and verified in daylight on following day. Lesser Scaups at about 25 yds., among Greater Scaups, Ring-necked Ducks, Redheads, etc. Two Savannah Sparrows, pale and thinly streaked, lurking in cattail swamp, all others in two 'flocks', in weedy fields, larger and darker, more heavily streaked birds, not present before this date; possibly of Labrador race. On Dec. 20, same region, Pied-billed Grebe, 1; Gannet, 2; Cooper's Hawk, 1; Grouse, 2; Bob-white, 12; Bonaparte's Gull, 1; Killdeer, 3; Great Horned Owl, 1; Snowy Owl, 1; Field Sparrow, 1. On Dec. 23, European Widgeon, 1.—JOHN L. HELMUTH, WALTER K. HELMUTH, WILLIAM TOD HELMUTH.

Hempstead to Jones Beach and Oak Island, L. I., N. Y. (Hempstead Lake was not visited).—Dec. 24; 6.30 A.M. to 12.30 P.M. Cloudy after 7.30 A.M.; visibility excellent; ground bare; wind east, light; temp. 27° at start, 36° at return. Most of the birding was done from the car except for numerous side hikes, such as to the beach front to observe sea-birds. Observers together. Common Loon, 1; Red-throated Loon, 1; Holboell's Grebe, 1; Horned Grebe, 2; Canada Goose, 65; Mallard, 50; Common and Red-legged Black Duck (both species identified), 900; Baldpate, 8; Pintail, 3; Shoveller, female; Wood Duck, male; Greater Scaup, 100; American Golden-eye, 135; Old-squaw, 1; White-winged Scoter, 1; Surf Scoter, 6; Red-breasted Merganser, 3; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 4; Great Black-backed Gull, 24; Herring Gull, 1200; Ring-billed Gull, 18; Rock Dove, 5; Snowy Owl, 4; Flicker, 1; Northern Horned Lark, 250; Tree Swallow, 27; Blue Jay, 5; Crow, 13; Starling, 2500; Myrtle Warbler, 15; English Sparrow, 75; Meadowlark, 1; Ipswich Sparrow, 8; Savannah Sparrow, 3; Junco, 15; White-throated Sparrow, 3; Fox Sparrow, 1; Song Sparrow, 1; Lapland Longspur, 2; Snow Bunting, 60. Total, 43 species, 3202 individuals, plus Rock Doves, Starlings, and English Sparrows.

—RICHARD ADELSON, WILLIAM ASTLE, RICHARD FISCHER, WALTON SABIN.

Oyster Bay to Fort Salonga, L. I., N. Y. (Mill Neck, Oyster Bay, Eatons Neck, Crab Meadow Beach and Fort Salonga).—Dec. 26; 6 A.M. to 5 P.M. Clear; ice forming on small ponds and streams; light southwest wind in P.M.; temp. 24° at start, 30° at finish. About 60 miles by car and on foot. Observers together. Common Loon, 3; Horned Grebe, 14; Great Blue Heron, 4; Black-crowned Night Heron, 32; Mute Swan, 6; Canada Goose, 6; Mallard, 8; Common and Red-legged Black Duck, 3600 (est.); Baldpate, 4; Pintail, 9; Green-winged Teal, 4; Shoveller, (probably feral), 1; Wood Duck, 1; Scaup, 4000 (est.); American Golden-eye, 260; Buffle-head, 22; Old-squaw, 250; White-winged Scoter, 300; Surf Scoter, 160; Hooded Merganser, 8 (2 males); American Merganser, 1; Red-breasted Merganser, 15; Red-tailed Hawk, 1; Marsh Hawk, 1; Pheasant, 4; Coot, 1; Sanderling, 6; Great Black-backed Gull, 20; Herring Gull, 600 (est.); Ring-billed Gull, 5; Screech Owl, 2 (1 answered call and 1 was attracted to car by imitation of call before dawn); Belted Kingfisher, 1; Flicker, 8; Hairy Woodpecker, 1; Downy

Woodpecker, 8; Blue Jay, 10; Crow, 38; Chickadee, 12; White-breasted Nuthatch, 1; Winter Wren, 1; Robin, 18; Hermit Thrush, 4; Bluebird, 8; Starling, 400; Myrtle Warbler, 32; Northern Yellow-throat, 1; English Sparrow, 28; Red-wing, 1; Purple Finch, 1; Pine Siskin, 1; Goldfinch, 50; Towhee, 2; Junco, 80; Tree Sparrow, 50; Field Sparrow, 1; White-throated Sparrow, 60; Swamp Sparrow, 1; Song Sparrow, 8. Total, 58 species, about 10,174 individuals.—RALPH LIND, ROBERT RORDEN.

Fort Plain, N. Y.—Dec. 26; sunrise to sunset. Cloudy, with snow in morning, fair in afternoon; 4-in. snow; wind northwest, strong; temp. 28° at start, 32° at return. Route, along Mohawk River, Abeel Island Game Refuge, and valleys of Otsquago and Otsungo creeks. By car 5 miles, on foot 10 miles, with cocker spaniel, 'Sandy.' American Merganser, 5; Hawk (*Buteo*, unidentified), 1; Bald Eagle, 1; Ruffed Grouse, 2; Pheasant, 1; Herring Gull, 3; Great Horned Owl, 1; Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Crow, 10; Black-capped Chickadee, 46; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Brown Creeper, 5; Robin, 1; Starling, 8; House Sparrow, 17; Red-wing, 3; Pine Siskin, 60; Goldfinch, 1; Slate-colored Junco, 3; Tree Sparrow, 10; Swamp Sparrow, 2. Total, 24 species, 197 individuals. Bald Eagle, adult, in flight.—DOUGLAS AYRES, JR.

Geneva, N. Y.—Dec. 26; 8 A.M. to 4.30 P.M. Clear; ground bare; wind west, very strong; temp. 31° at start, 38° at 1 P.M., 33° at return. Two strips of territory approximately 9 miles long by 3 miles wide, separated by an interval of 8 miles, north end of Seneca and Cayuga lakes. Partly by auto and partly on foot. Nine observers in groups of 2 or 3—four reports. Horned Grebe, 34; Mallard, 18; Black Duck, 264 (4 certainly Common and 6 certainly Red-legged); Redhead, 600; Canvas-back, 45; Greater Scaup, 1200; Lesser Scaup, 350; Golden-eye, 79; Buffle-head, 27; Old-squaw, 8; American Merganser, 310; Red-breasted Merganser, 6; Red-tailed Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 2; Ring-necked Pheasant, 38; Coot, 1; Great Black-backed Gull, 9; Herring Gull, 137; Ring-billed Gull, 3; Rock Dove, 36; Long-eared Owl, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; American Crow, 2200; Black-capped Chickadee, 32; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 6; Starling, 2650; English Sparrow, 262; Slate-colored Junco, 12; Tree Sparrow, 5; Fox Sparrow, 1; Song Sparrow, 1; Snow Bunting, 1. Total, 38 species, about 8364 individuals. The Black Duck definitely identified were on shore and were seen within 150 ft. with 35X telescope; the Fox Sparrow has been coming to a feeding station at the edge of a wooded ravine since late October.—GLEN VAN ESSELTINE, ROBERT VAN ESSELTINE, F. Z. HARTZELL, STEPHEN EATON, GRANGER WILSON, JR., C. SEALEY PECK, LOREN WARD, JOHN WELLINGTON, A. H. BARBER, members of Eaton Bird Club.

Mastic, L. I., N. Y. (and road from Patchogue to Mastic via Bellport Bay).—Dec. 25; 11.10 A.M. to sunset. Clear; wind variable, light to moderate northwesterly; temp. about 40° to 55°. No ice or snow, ground wet after rain.



Glen P. Van Eseltine

House and farmyards, woodland, fields, marsh, creek and bay shores. J. T. N. and W. F. N. together, other observers separate. Great Blue Heron, 8; Mute Swan, 4 (on ponds); Mallard, 1 drake (with Black Ducks which had come in toward sunset); Black Duck, 250; Pintail, 1; Shoveller, 1 drake (on pond at Bellport); Scaup, 1 (perhaps a cripple); Hooded Merganser, 3; American Merganser, 25; Red-breasted Merganser, 1; Cooper's Hawk, 1 (D. G. N.); Bob-white, 12; Great Black-backed Gull, 1; Herring Gull, 15; Mourning Dove, 5; Flicker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 12; American Crow, 5; Chickadee, 25; White-breasted Nuthatch, 2; Brown Creeper, 2; Catbird, 1; Robin, 10; Bluebird, 5; Starling, 40; Myrtle Warbler, 25; Yellow Palm Warbler (?), 1; House Sparrow, 50 (at poultry farm); Meadowlark, 2; Goldfinch, 8; Junco, 35; Tree Sparrow, 20; White-throated Sparrow, 15; Fox Sparrow, 2; Song Sparrow, 12. Total, 37 species, 612 individuals. A red bat flying back and forth in a sheltered sunny place an hour before sunset. Dec. 26, a Red-tailed Hawk and a Swamp Sparrow (D. G. N.). Also 700 Cowbirds in 2 flocks near Farmingdale, Dec. 25.—C. F., D. G., J. T. and W. F. NICHOLS.

Montauk Point to Pantigo, L. I.—Dec. 26; 6.30 A.M. to 3.45 P.M. Clear, with north and northwest winds blowing harder as the day wore on. Ground soft and wet, some ponds still ice-rimmed. Montauk Point to Lake Montauk to Ditch Plains to Fort Pond, to Hither Hills, then to Nepeague and Pantigo. Loon, 6; Red-throated Loon, 2; Holboell's Grebe, 1; Horned Grebe, 1; Gannet, 7; Black Duck, 7; Canvas-back, 6; Scaup, 375; Golden-eye, 450; Old-squaw, 750; King Eider, 2

adult males; White-winged Scoter, 150; Surf Scoter, 150; American Scoter, 35; Red-breasted Merganser, 1000; Sharp-shinned Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Black-bellied Plover, 1; Purple Sandpiper, 6; Iceland Gull, 1; Black-backed Gull, 8; Herring Gull, 600; Ring-billed Gull, 9; Bonaparte's Gull, 2000; Kittiwake, 3; Snowy Owl, 3; Flicker, 5; Crow, 8; Black-capped Chickadee, 5; Short-billed Marsh Wren, 1; Robin, 1; Bluebird, 2; Starling, 75; Myrtle Warbler, 30; Yellow Palm Warbler, 1; House Sparrow, 5; Meadowlark, 26; Red-wing, 125; Goldfinch, 8; Savannah Sparrow, 2; Tree Sparrow, 25; Swamp Sparrow, 1; Song Sparrow, 15; Snow Bunting, 13. Total, 45 species, 4912 individuals. Noted on the 25th: Razor-billed Auk, 1; Glaucous Gull, 2.—GEOFFREY CARLTON, LEO A. BRSLAU, CHRISTOPHER MCKEEVER, PHILLIP FORELLIS, CHARLES STALOFF, WALTER SEDWITZ.

Piermont Marsh and Northvale Swamp, N. Y.—Dec. 26; 6.30 A.M. to 3 P.M. Clear, wind light; temp. 29° to 37°. Black Duck, 44; Golden-eye, 1; American Merganser, 8; Marsh Hawk, 1; Pheasant, 2; Great Black-backed Gull, 2; Herring Gull, 100; Flicker, 1; Downy Woodpecker, 10; Eastern Crow, 7; Chickadee, 11; Tufted Titmouse, 4; White-breasted Nuthatch, 7; Brown Creeper, 2; Winter Wren, 3; Long-billed Marsh Wren, 15; Bluebird, 7; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 8 (an amazing number, in a loose flock, well observed and carefully identified); Starling, 70; Meadowlark, 2; Rusty Blackbird, 40; Grackle, 2; Purple Finch, 3; Pine Siskin, 9; Goldfinch, 12; Tree Sparrow, 55; White-throated Sparrow, 11; Swamp Sparrow, 4; Song Sparrow, 26. Total, 30 species, 479 individuals.—DONALD, RICHARD and ROBERT DEED, DR. ERNST MAYR, MR. and MRS. CHARLES K. NICHOLS.

Port Chester, N. Y. (Scarsdale, Rye, and Kensico lakes, Manursing Island, Stamford and Tod's Point, Old Greenwich, Conn.).—Dec. 26; 6.30 A.M. to 5 P.M. Clear; temp. 28° at start, 40° at return; moderate to strong southwest wind. Eight observers, working separately most of the time, by automobile and afoot. Common Loon, 2; Horned Grebe, 10; Pied-billed Grebe, 1; Great Blue Heron, 4; Black-crowned Night Heron, 1; Canada Goose, 5; Mallard, 70; Common and Red-legged Black Duck, 400; Wood Duck, 3; Ring-necked Duck, 56; Greater Scaup, 10; Golden-eye, 215; Buffle-head, 17; Old-squaw, 10; White-winged Scoter, 28; Surf Scoter, 2; American Scoter, 4; Hooded Merganser, 12; American Merganser, 90; Red-breasted Merganser, 215; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 4; Ruffed Grouse, 1; Ring-necked Pheasant, 15; Coot, 58; Killdeer, 11; Black-backed Gull, 7; Herring Gull, 1500; Ring-billed Gull, 6; Mourning Dove, 35; Screech Owl, 1; Barred Owl, 1; Long-eared Owl, 3; Belted Kingfisher, 4; Flicker, 8; Hairy Woodpecker, 6; Downy Woodpecker, 16; Horned Lark, 44; Blue Jay, 100; Crow, 140; Black-capped Chickadee, 230; White-breasted Nuthatch, 29; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 2; Robin, 4; Hermit Thrush, 4; Bluebird, 9; Golden-crowned Kinglet, 3; Cedar Waxwing, 1; Starling, 375; Myrtle Warbler, 120; English Sparrow, 140;

Purple Grackle, 1; Cowbird, 13; Purple Finch, 3; Goldfinch, 46; Savannah Sparrow, 2; Slate-colored Junco, 85; Tree Sparrow, 90; White-throated Sparrow, 33; Fox Sparrow, 6; Swamp Sparrow, 2; Song Sparrow, 28; Snow Bunting, 7. Total, 67 species, 4342+ individuals.—RICHARD L. BURDSALL, WILLIAM BOLTON COOK, JOHN C. ORTH, RALPH C. PRESTON, PAUL CECIL SPOFFORD, ISABEL H. SWIFT, MRS. B. T. BROOKS, PEGGY BROOKS.

Rochester, N. Y. (Rigney's Bluff to Float Bridge to Highland Park).—Dec. 26; 7.30 A.M. to 5 P.M. Clear; trace of snow on ground; wind west, 25 miles per hour; temp. at start 33°, same on return. Traveled by car, with trips on foot into likely bird areas. Observers in 4 parties. Mallard, 4; Black Duck, 165; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 9; Greater Scaup, 110; American Golden-eye, 3; Ruddy Duck, 2; American Merganser, 30; Hooded Merganser, 3; Red-tailed Hawk, 1; Marsh Hawk, 1; Ring-necked Pheasant, 16; Black-backed Gull, 1; Herring Gull, 1210; Ring-billed Gull, 12; Bonaparte's Gull, 40; Hairy Woodpecker, 2; Downy Woodpecker, 4; Crow, 7; Chickadee, 93; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Winter Wren, 1; Robin, 2; Golden-crowned Kinglet, 5; Cedar Waxwing, 8; Northern Shrike, 1; Starling, 230; English Sparrow, 200; Bronzed Grackle, 2; Purple Finch, 3; Redpoll, 1; Slate-colored Junco, 3; Tree Sparrow, 50; Song Sparrow, 2. Total, 36 species, 2232 individuals. Mr. Miller also recorded the Rough-legged Hawk and Northern Yellow-throat on Dec. 22, the latter, a male, at a distance of less than 50 ft.—WM. L. G. EDSON, HOWARD MILLER, R. E. HORSBY, AMELIA M. HEYDWEILLER, CLARENCE BARG, CARSON JARVIS, D. FANDS, MARY H. BENSON, DIRCK BENSON, members of the Burroughs-Audubon Nature Club of Rochester.

Schenectady, N. Y.—Dec. 26; 7 A.M. to 5 P.M. Partly cloudy; no snow; minimum of open water; no wind in morning, moderate northwest wind in afternoon; temp. 30° to 45°. Mohawk River from Lock 8 to Mohawk View, both sides of river; Collins Lake, Central Park, Niskayuna, Watervliet Reservoir, Meadowdale, foot of Indian Ladder, Woestina Sanctuary, and intervening territory. Observers in 7 groups. American Golden-eye, 2; American Merganser, 3; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 8; Ruffed Grouse, 13; Ring-necked Pheasant, 15; Herring Gull, 2; Screech Owl, 1; Great Horned Owl, 1; Snowy Owl, 1; Long-eared Owl, 6; Kingfisher, 1; Hairy Woodpecker, 9; Downy Woodpecker, 34; Prairie Horned Lark, 3; Blue Jay, 47; Crow, 644; Black-capped Chickadee, 212; White-breasted Nuthatch, 36; Red-breasted Nuthatch, 2; Brown Creeper, 7; Winter Wren, 1; Hermit Thrush, 1; Bluebird, 4; Golden-crowned Kinglet, 8; Cedar Waxwing, 5; Starling, 839; English Sparrow, 418; Goldfinch, 52; Slate-colored Junco, 16; Tree Sparrow, 197; Song Sparrow, 12. Total, 35 species, 2609 individuals. Hermit Thrush found by Overstreet and color of tail noted. Bluebirds in one flock, by Frank and John Frees, also recorded Dec. 25.—GEORGE BAINBRIDGE, GUY BARTLETT, EDNA BECKER, WILLIAM FORDYCE,

FRANK and JOHN FREES, BARRINGTON S. HAVENS, ALICE HOLMES, MORTIMER MACDONALD, P. SCHUYLER MILLER, MR. and MRS. C. N. MOORE, JOSEPH OVERSTREET, DANIEL A. RUDDY, DANIEL A. RUDDY, JR., EDWARD SCANLAN, VINCENT SCHAEFER, BENTON SEGUIN, ROBERT UNDERWOOD, NELLE VAN VORST.

Staten Island, N. Y. (Oakwood Beach, Moravian Cemetery, Ward's Point, Tottenville, Princes Bay, West New Brighton to Greenridge and Robin's Reef, St. George).—Dec. 26; 7.30 A.M. to 5.30 P.M. Clear; ground bare; heavy frost; light wind in afternoon, west; temp. 32° at start, 39° at return. About 20 miles on foot. Chapin, Wiegman, Pearson singly; Hallett and Stryker together; party combined in afternoon, except Chapin. Double-crested Cormorant, 2 (Wiegman); Great Blue Heron, 1; Black-crowned Night Heron, 3; Black Duck, 103; Greater Scaup, 250; Golden-eye, 58; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Killdeer, 2; Great Black-backed Gull, 2; Herring Gull, 1200 (approx.); Bonaparte's Gull, 2; Snowy Owl, 1 (Pearson); Belted Kingfisher, 1; Downy Woodpecker, 1; Horned Lark, 50 (approx.); Blue Jay, 18; American Crow, 200 (approx.); Fish Crow, 3; Black-capped Chickadee, 16; Robin, 13; Pipit, 1; Starling, 165 (approx.); Myrtle Warbler, 1; Meadowlark, 1; Cowbird, 1; Cardinal, 4; Junco, 18; Tree Sparrow, 30; Field Sparrow, 5; White-throated Sparrow, 3; Swamp Sparrow, 3; Song Sparrow, 13. Total, 36 species, about 2179 individuals. Also, 150 (approx.) English Sparrows.—JAMES P. CHAPIN (2 hours), GEORGE H. HALLETT, JR., CHARLES PEARSON, JR., CAROL STRYKER, WILLIAM H. WIEGMAN.

Syracuse, N. Y. (Onondaga Lake; Brewerton, Hitchcock, and Shackleton Points on Oneida Lake; Cicero Swamp).—Dec. 26; 8 A.M. to 3 P.M. Clear; no snow; wind southwest, 15 m.p.h.; temp. 32° at start, 39° at return. Onondaga Lake clear, Oneida Lake partly frozen. Forty miles by auto, 9 miles on foot. Red-legged Black Duck, 77; Ring-necked Duck, 2; Greater Scaup, 19; American Golden-eye, 93; Old-squaw, 1; American Merganser, 58; Red-tailed Hawk, 1; Sparrow Hawk, 2; Pheasant, 21; Herring Gull, 400+; Ring-billed Gull, 2; Downy Woodpecker, 1; Crow, 16; Black-capped Chickadee, 12; White-breasted Nuthatch, 2; Brown Creeper, 6; Starling, 275+; English Sparrow, 83; Tree Sparrow, 2; Snow Bunting, 125+. Total, 19 species, about 1196 individuals. Two Mourning Doves are wintering near Watervale, outside 15-mile circle.—ROBERT D. BOWORTH, GEORGE D. RUBY.

Western Long Island, N. Y. (Flushing to Manhasset to Hempstead to Atlantic Beach to Idlewild to Old Mill Creek to Flushing).—Dec. 26; 2.30 A.M. to 7 P.M. Clear; edges of ponds frozen; temp. 37° at start, 38° at return; wind from the west, moderate. Observers in 8 parties. Area thoroughly covered and duplication carefully avoided. Two cars used. Common Loon, 3; Red-throated Loon, 1; Holboell's Grebe, 4; Great Blue Heron, 2; Black-crowned Night Heron, 83; Mute Swan, 7; Canada Goose, 1; Mallard, 105; Red-legged and Common Black Ducks (both



LeRoy Wilcox

identified), 3906; Baldpate, 80; Pintail, 1; Green-winged Teal, 79; European Teal, 2 (at Hempstead Lake—W. S. and R. A.); Shoveller, 2; Ring-necked Duck, 2; Canvas-back, 1; Greater and Lesser Scaup (both identified), 28,100; American Golden-eye, 725; Buffle-head, 22; White-winged Scoter, 7; Surf Scoter, 1; American Merganser, 42; Red-breasted Merganser, 30; Cooper's Hawk, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Marsh Hawk, 13; Duck Hawk, 1; Sparrow Hawk, 41; Bob-white, 73; Ring-necked Pheasant, 3; Clapper Rail, 2; Coot, 1; Killdeer, 7; Wilson's Snipe, 6; Purple Sandpiper, 3; Great Black-backed Gull, 26; Herring Gull, 24,000 (est.); Ring-billed Gull, 82; Laughing Gull, 1; Bonaparte's Gull, 1; Kittiwake, 1; Rock Dove, 2 (feral); Mourning Dove, 6; Barn Owl, 4; Screech Owl, 8; Snowy Owl, 2; Long-eared Owl, 1; Short-eared Owl, 3; Saw-whet Owl, 1; Kingfisher, 13; Flicker, 54; Yellow-bellied Sapsucker, 1 (one wintering in a grove of white pines on the west shore of Little Bay—W. B. S.); Hairy Woodpecker, 4; Downy Woodpecker, 45; Northern Horned Lark, 165; Prairie Horned Lark, 22 (all in the Jamaica Bay Region—J. M. and T. I.); Blue Jay, 145; Crow, 191; Fish Crow, 30; Chickadee, 250; White-breasted Nuthatch, 23; Brown Creeper, 5; Winter Wren, 2; Long-billed Marsh Wren, 6; Robin, 8; Hermit Thrush, 4; Bluebird, 1; Pipit, 150; Northern Shrike, 1; Starling, 14,000 (est.); Yellow-throat, 1; Meadowlark, 100; Red-wing, 5; Rusty Blackbird, 1; Grackle, 3; Cowbird, 2; English Sparrow, 400; Purple Finch, 1; Goldfinch, 106; Towhee, 1; Ipswich Sparrow, 9; Savannah Sparrow, 88; Seaside Sparrow, 1; Sharp-tailed Sparrow,

3; Vesper Sparrow, 2; Junco, 240; Tree Sparrow, 290; Chipping Sparrow, 1; Field Sparrow, 34; White-throated Sparrow, 295; Fox Sparrow, 45; Swamp Sparrow, 21; Song Sparrow, 198; Lapland Longspur, 1; Snow Bunting, 2. Total, 100 species, about 68,000 individuals. The Laughing Gull has been present at Little Bay for several weeks (H. L. B.).—BESSIE ASTLE, RICHARD H. ADELSON, ISABEL C. ASTLE, WILLIAM O. ASTLE, MRS. M. V. BEALS, ROY BERNHARDY, HERMAN L. BOHN, ANDREW BROMET, RICHARD FISCHER, THOMAS IMHOF, ROBERT KUHN, JOHN MANN, JOHN MAXER (J. M.), NORRIS McCABE, W. REID, WALTON B. SABIN, ARTHUR SKOPEC, MRS. I. SMITH, ELWYN SIRE, members of the Queens County Bird Club.

Westhampton, L. I., N. Y. (to South Haven).—Dec. 24; 6.30 A.M. to 4.45 P.M. Clear at start, cloudy in mid-morning, light rain after 2.30 P.M.; moderate east wind; temp. 24° at start, 34° at return. Observers together. Common Loon, 5; Horned Grebe, 2; Gannet, 1; Double-crested Cormorant, 1; Great Blue Heron, 2; Black-crowned Night Heron, 1; American Bittern, 2; Mute Swan, 10; Canada Goose, 41; American Brant, 170; Mallard, 54; Common and Red-legged Black Duck, 800; Gadwall, 48; European Widgeon, 1; Baldpate, 300; Pintail, 302; Shoveller, 3; Redhead, 5; Ring-necked Duck, 125; Canvas-back, 1; Scaup, 108; American Golden-eye, 6; Buffle-head, 12; Old-squaw, 12; White-winged Scoter, 104; unidentified Scoters, 2000; Ruddy Duck, 2; American Merganser, 2; Red-breasted Merganser, 75; Cooper's Hawk, 1; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Virginia Rail, 1; American Coot, 22; Black-bellied Plover, 3; Wilson's Snipe, 1; Red-backed Sandpiper, 3; Great Black-backed Gull, 8; Herring Gull, 350; Ring-billed Gull, 1; Dovekie, 1 (dead); Mourning Dove, 65; Screech Owl, 1 (dead, fresh); Kingfisher, 1; Flicker, 4; Downy Woodpecker, 4; Horned Lark, 28; Blue Jay, 3; Eastern Crow, 9; Black-capped Chickadee, 26; Long-billed Marsh Wren, 1; Robin, 10; Starling, 550; Myrtle Warbler, 6; English Sparrow, 64; Meadowlark, 34; Cowbird, 3; Goldfinch, 12; Savannah Sparrow, 12; Vesper Sparrow, 2; Slate-colored Junco, 54; Tree Sparrow, 34; White-throated Sparrow, 12; Fox Sparrow, 2; Swamp Sparrow, 6; Song Sparrow, 24; Snow Bunting, 4. Total, 69 species, 5563 individuals. Also on Dec. 22, American Scoter, 1; Semipalmated Plover, 1; Snowy Owl, 1; Tree Swallow, 2; Ipswich Sparrow, 1. On Dec. 23, Grackle, 2.—GILBERT RAYNOR, LeROY WILCOX.

Barneget, N. J. (over same area as 1936—Barneget City to Beach Haven, West Creek to Barneget and vicinity, but one less boat party).—Dec. 26; all day. Fair; no snow; light to fresh west wind; temp. 36°+. Nine parties; 1 in boat in ocean; 1 in Barneget Bay. Common Loon, 6; Red-throated Loon, 6; Holboell's Grebe, 10; Horned Grebe, 134; Pied-billed Grebe, 2; Double-crested Cormorant, 2; Great Blue Heron, 23; Canada Goose, 81; Brant, 1500; Mallard, 7; Black Duck, both forms, 1656; Baldpate, 1; Green-winged Teal, 5; Blue-winged Teal, 1; Scaup, 107; Golden-eye, 579; Buffle-head, 101; Old-squaw, 84; White-winged Scoter, 7; Surf Scoter, 20; American Scoter, 8; Ruddy Duck, 2; Hooded Merganser, 30;

American Merganser, 2; Red-breasted Merganser, 43; Turkey Vulture, 20; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Rough-legged Hawk, 15; Bald Eagle, 1; Marsh Hawk, 21; Duck Hawk, 3; Pigeon Hawk, 1; Sparrow Hawk, 7; Bob-white, 13; Pheasant, 1; Killdeer, 7; Black-bellied Plover, 41; Turnstone, 2; Wilson's Snipe, 1; Knot, 25; Purple Sandpiper, 3; Red-backed Sandpiper, 636; Marbled Godwit, 2 (Eayre and Urner); Sanderling, 117; Great Black-backed Gull, 50; Herring Gull, 1515; Ring-billed Gull, 29; Bonaparte's Gull, 3; Kittiwake, 7; Forster's Tern, 2; Razor-billed Auk, 3; Dovekie, 1; Mourning Dove, 13; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 6; Snowy Owl, 2; Barred Owl, 2; Short-eared Owl, 1; Kingfisher, 1; Flicker, 11; Hairy Woodpecker, 1; Downy Woodpecker, 17; Horned Lark, 117; Blue Jay, 28; Eastern Crow, 127; Black-capped Chickadee, 4; Carolina Chickadee, 57; Tufted Titmouse, 3; Winter Wren, 1; Carolina Wren, 2; Short-billed Marsh Wren, 1; Catbird, 2; Brown Thrasher, 1; Robin, 221; Hermit Thrush, 20 (singing); Golden-crowned Kinglet, 3; Cedar Waxwing, 9; Starling, 1038; Myrtle Warbler, 405; Western Palm Warbler, 1; English Sparrow, 162; Meadowlark, 65; Red-wing, 88; Grackle, 16; Cowbird, 1; Cardinal, 18; Purple Finch, 2; Pine Siskin, 1; Goldfinch, 124; Towhee, 2; Ipswich Sparrow, 3; Savannah Sparrow, 4; Sharp-tailed Sparrow, 1; Slate-colored Junco, 87; Tree Sparrow, 125; Chipping Sparrow, 4; White-throated Sparrow, 27; Fox Sparrow, 5; Swamp Sparrow, 18; Song Sparrow, 31; Snow Bunting, 100. Total, 105 species and subspecies, about 8924 individuals. Also Rock Dove, 2, and probable Orange-crowned Warbler on Barnegat Light Ship.—I. BLACK, C. D. BROWN, F. BARTEL, GILBERT CANT, H. V. COBS, OSCAR EAYRE, A. EYNN, J. T. S. HUNN, L. KOZBECKY, M. O. LINTON, E. A. MECHLING, A. G. SEEBLEY, R. W. STORER, C. A. URNER, L. L. WALSH.

Boonton, N. J. (within a 15-mile diameter).

—Dec. 25; dawn to dark. Clear to overcast. Boonton reservoir open but other lakes and ponds frozen; meadows covered with thin ice; rivers about normal; wind up to 15 m.p.h., north to west; temp. 32° to 45°. Observers in 3 main groups and these separating as much as possible. Larger numbers of birds partially and conservatively estimated. Horned Grebe, 1; Great Blue Heron, 2; Mallard, 30; Black (Common and Red-legged) Duck, 490; Baldpate, 100; Pintail, 2; Redhead, 20; Ring-necked Duck, 150; Canvas-back, 1; Scaup, 30; Golden-eye, 15; Buffle-head, 3; Ruddy Duck, 7; American Merganser, 78; Sharp-shinned Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 2; Pheasant, 21; Coot, 225; Killdeer, 4; Herring Gull, 80; Rock Dove, common (mostly feral); Kingfisher, 3; Flicker, 5; Hairy Woodpecker, 8; Downy Woodpecker, 45; Blue Jay, 195; Crow, 702; Fish Crow, 4; Chickadee, 301; Tufted Titmouse, 55; White-breasted Nuthatch, 64; Brown Creeper, 4; Winter Wren, 2; Long-billed Marsh Wren, 1 (L. R.); Robin, 1; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1 (L. R.); Cedar Waxwing, 6; Starling, 825; House Sparrow, 180; Meadowlark, 19 (18 in one flock); Red-wing, 5;

Rusty Blackbird, 2; Cardinal, 3; Purple Finch, 26; Goldfinch, 82; Junco, 73 (scarce); Tree Sparrow, 988; Field Sparrow, 1; White-throated Sparrow, 2; Swamp Sparrow, 8; Song Sparrow, 31. Total, 55 species, about 5414 individuals.—EDWARD LANG, A. PETERSON, GERBERT REBELL, LLOYD ROSENBLUM, D. SCHAEFFER, CHARLES WEISS, RUSSELL WEBSTER, FLOYD WOLFARTH, members of the Raritan and Passaic Valleys Ornithological Club; also ROBERT BURKHART.

Cape May, N. J. (15-mile circle).—Dec. 26, 7 A.M. to 5.30 P.M. Clear in morning with heavy fog up until 9.30 A.M.; cloudy in afternoon, light west wind, ground bare; temp. 40° plus. Common Loon, 18; Red-throated Loon, 5; Holboell's Grebe, 21; Horned Grebe, 21; Double-crested Cormorant, 5; Great Blue Heron, 33 (1 in flight, with rat-trap dangling from leg); Black-crowned Night Heron, 2; Mallard, 2; Black Duck, 6252; Green-winged Teal, 3; Scaup, 489; American Golden-eye, 180; Buffle-head, 87; Old-squaw, 569; White-winged Scoter, 29; Surf Scoter, 11; American winged Scoter, 29; Ruddy Duck, 13; American Merganser, 4; Red-breasted Merganser, 68; Turkey Vulture, 271; Sharp-shinned Hawk, 8; Cooper's Hawk, 11; Red-tailed Hawk, 7; Red-shouldered Hawk, 6; Bald Eagle, 6; Marsh Hawk, 32; Duck Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 26; Bob-white, 2; Clapper Rail, 2; Killdeer, 10; Black-bellied Plover, 237; Woodcock, 4; Greater Yellowlegs, 2; Red-backed Sandpiper, 6243; Western Sandpiper, 14; Sanderling, 169; Great Black-backed Gull, 20; Herring Gull, 2215; Ring-billed Gull, 119; Bonaparte's Gull, 31; Dove, 81; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 2; Snowy Owl, 1; Short-eared Owl, 3; Kingfisher, 1; Flicker, 15; Hairy Woodpecker, 10; Downy Woodpecker, 45; Horned Lark, 168; Tree Swallow, 233; Blue Jay, 20; Crow, 850; Fish Crow, 48; Carolina Chickadee, 133; Tufted Titmouse, 45; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 7; Brown Creeper, 1; House Wren, 1; Winter Wren, 3; Carolina Wren, 15; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 5; Mockingbird, 1; Catbird, 4; Brown Thrasher, 5; Robin, 1206; Hermit Thrush, 33; Bluebird, 41; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Northern Shrike, 2; Migrant Shrike, 1; Starling, 946; Myrtle Warbler, 749; English Sparrow, 376; Meadowlark, 87; Red-wing, 3150; Rusty Blackbird, 10; Purple Grackle, 26; Cowbird, 67; Cardinal, 53; Goldfinch, 174; Towhee, 42; Ipswich Sparrow, 2; Savannah Sparrow, 17; Sharp-tailed Sparrow, 2; Vesper Sparrow, 5; Junco, 88; Tree Sparrow, 243; Chipping Sparrow, 4; Field Sparrow, 39; White-throated Sparrow, 287; Fox Sparrow, 30; Swamp Sparrow, 20; Song Sparrow, 65; Snow Bunting, 2. Total, 102 species, 31,625 individuals. Observers, 36 in 12 teams as follows: JAMES L. WHITAKER, JEROME KESSLER, MILLARD LINDAUER, SAMUEL CRESSON, ROBERT CREIGHTON, EDWARD THATCHER, JULIAN W. HILL, PHILLIPS B. STREET, PHILIP B. WALTON, R. L. HAINES, HARRY GOLDSTEIN, GEORGE SIVEL, WILLIAM CARR, C. W. DITTRICK, A. E. CONWAY, H. D. MCCANN, A. T. SIGMAN, W. B. WRIGHT, JULIAN K. POTTER, D. L. MARSHALL, E. W. MARSHALL, E. W. MARSHALL, JR., JOHN HESS, H. CARSON, P. WALKER,

FRED SCHMID, JR., HENRY UNDERDOWN, N. J. McDONALD, DAVID WHITTEN, R. D. TWINING, ERNEST CHOATE, CONRAD ROLAND, C. BROOKE WORTH, OTWAY BROWN, J. FLETCHER STREET, RICHARD DARBY.

Essex County (Elizabeth Region), N. J. (same area as in previous years).—Dec. 26; 5 A.M. to 5.30 P.M. Fair; no snow; wind west; temp. 30° to 46°. Observers in 8 parties, 5 on foot, 3 using autos between several localities. Great Blue Heron, 2; Black-crowned Night Heron, 2; Mallard, 3; Red-legged and Common Black Duck, 540; Green-winged Teal, 1; Wood Duck, 1; Red-head, 1; Canvas-back, 25; Scaup, 150; Golden-eye, 15; Buffle-head, 2; Old-squaw, 1; American Merganser, 35; Sharp-shinned Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 5; Duck Hawk, 1; Sparrow Hawk, 10; Ruffed Grouse, 1; Bob-white, 1; Pheasant, 3; Killdeer, 5; Woodcock, 1; Wilson's Snipe, 1; Great Black-backed Gull, 1; Herring Gull, 520; Ring-billed Gull, 12; Bonaparte's Gull, 75; Mourning Dove, 7; Horned Owl, 4; Barred Owl, 1; Short-eared Owl, 1; Kingfisher, 2; Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 41; Horned Lark, 35; Blue Jay, 159; Crow, 146; Black-capped Chickadee, 299; Tufted Titmouse, 47; White-breasted Nuthatch, 56; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 2; Robin, 3; Hermit Thrush, 1; Bluebird, 6; Golden-crowned Kinglet, 12; Starling, 2500; Myrtle Warbler, 10; English Sparrow, 1090; Meadowlark, 19; Rusty Blackbird, 3; Grackle, 725; Cardinal, 12; Goldfinch, 44; White-winged Crossbill, 1; Towhee, 1; Savannah Sparrow, 12; Sharp-tailed Sparrow, 2; Slate-colored Junco, 210; Tree Sparrow, 559; Field Sparrow, 8; White-throated Sparrow, 80; Swamp Sparrow, 10; Song Sparrow, 118; Snow Bunting, 60. Total, 69 species, 7520 individuals.—MISS B. B. HARING, MRS. CHARLES S. HEGEMAN, D. VAN B. HEGEMAN, LIBERO AJILLO, JAMES L. EDWARDS, EDWARD B. LANG, ARTHUR PETERSON, RUSSELL PETERSON, GERBERT REBELL, LLOYD ROSENBLUM, DANIEL SCHAEFFER, RUSSELL WEBSTER, FLOYD WOLFARTH.

Long Branch, N. J.—Dec. 24; 6.30 A.M. to 4 P.M. No snow; very little ice in ponds; cloudy with east wind in forenoon turning into a driving rain around 1.30 P.M.; temp. 32° at start, 42° at return. Observers separated in A.M. about three hours, together rest of day. Accompanied by a schoolboy, Thompson Ayres, who helped us on counting. Oceanport to Wreck Pond. Area 15 miles in diameter. Red-throated Loon, 1; Pied-billed Grebe, 1; Mallard, 40; Black Duck, 365; Canvas-back, 4; Lesser Scaup, 11; American Golden-eye, 55; Ruddy Duck, 1; Hooded Merganser, 7; American Merganser, 15; Red-breasted Merganser, 1; Turkey Vulture, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Coot, 2; Killdeer, 2; Black-backed Gull, 16; Herring Gull, 1500+; Bonaparte's Gull, 92; Kingfisher, 3; Flicker, 4; Downy Woodpecker, 6; Horned Lark, 10; Blue Jay, 14; Crow, 58; Fish Crow, 1; Carolina Chickadee, 5; Tufted Titmouse, 8; Carolina Wren, 1; Robin, 36; Bluebird, 5; Starling, 130; Myrtle Warbler, 34; English Sparrow, 75+; Purple Grackle, 1; Cardinal, 9; Gold-

finch, 20; Slate-colored Junco, 35; Tree Sparrow, 108; Song Sparrow, 4. Total, 41 species, 2150+ individuals.—GEORGE M. SEEBLEY, IRVING H. BLACK.

Mount Holly, N. J. (7-mile radius).—Dec. 24; 7 A.M. to 1.30 P.M. Cloudy, light rain; very little wind; temp. 26° at start, 38° at return. About 35 miles by auto and on foot. Observers together most of time. Black Duck, 80; American Merganser, 15; Turkey Vulture, 8; Red-tailed Hawk, 2; Broad-winged Hawk, 1; Sparrow Hawk, 6; Ring-necked Pheasant, 7; Killdeer, 3; Herring Gull, 20; Flicker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 25; Blue Jay, 45; Crow, 500; Fish Crow, 1; Carolina Chickadee, 25; Tufted Titmouse, 3; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Robin, 16; Hermit Thrush, 1; Bluebird, 14; Golden-crowned Kinglet, 12; Pipit, 125; Starling, 300; Myrtle Warbler, 2; English Sparrow, 10; Red-wing, 7; Purple Grackle, 1; Cardinal, 20; Purple Finch, 1; Goldfinch, 30; Slate-colored Junco, 100; Tree Sparrow, 15; White-throated Sparrow, 15; Song Sparrow, 10. Total, 37 species, about 1430 individuals. Also, Dec. 25, Red-shouldered Hawk, 1; Belted Kingfisher, 2; Mockingbird, 1 (Nelson D. W. Pumyea); Screech Owl, 1 (McIlvain). Dec. 20, Meadowlark, 1; Dec. 21, Wilson's Snipe, 1; Dec. 23, Cooper's Hawk, 1; White-breasted Nuthatch, 1; Carolina Wren, 1 (Highley and Sprow).—ELMER E. HIGHLEY, JOHN F. MCILVAIN, RUSSELL SPROW.

Princeton, N. J. (within an 8-mile diameter).

—Dec. 23; around 7 A.M. till after 5 and 6 P.M. Mostly cloudy; ground bare; streams open, lake and ponds partly frozen; wind westerly, moderate; temp. 40° at start. Five observers on 4 all-day routes, the sixth in town only; mostly afoot. Canada Goose, 58 (flock); Mallard, 20+; Black Duck, 22; Baldpate, 8 (flock); Wood Duck, pair; Scaup, sp., pair; American Merganser, 19; Goshawk, 1 (identified by F. W. L. on basis of *Astur* proportions and size, so much larger than mobbing Crows that he thought it must be a female); Red-tailed Hawk, 3; Sparrow Hawk, 2; Pheasant, 2; Coot, 1; Herring Gull, 1 sub-ad.; Mourning Dove, 35; Great Horned Owl, 2; Long-eared Owl, 3; Kingfisher, 2; Flicker, 5; Red-headed Woodpecker, 1 adult; Sapsucker, 1 (imm.); Hairy Woodpecker, 4; Downy Woodpecker, 41; Horned Lark, flock of 24; Blue Jay, 40; American Crow, 600; Fish Crow, 2; Black-capped Chickadee, 48; Carolina Chickadee, 45; Tufted Titmouse, 60; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 5; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 2 together; Mockingbird, 1; Catbird, 2; Brown Thrasher, 1; Robin, 3; Bluebird, flock of 13; Golden-crowned Kinglet, 10; Cedar Waxwing, 41; Starling, 385+, many with great flock of Grackles; Myrtle Warbler, 10; House Sparrow, 200; Red-wing, 4; Rusty Blackbird, 4; Grackle, 400 scattered+ a flock which took 6 min. to pass, in an unbroken column, timed by H. V. C.; Cardinal, 34; Purple Finch, 14; Pine Siskin, 3; Goldfinch, 42; Junco, 123; Tree Sparrow, 93; Chipping Sparrow, 1 (G. C.); Field Sparrow, 6; White-throated Sparrow, 29; Swamp Sparrow, 5; Song Sparrow, 31. Total, 58 species, about 2515 individuals, + the great flock of Grackles and

Starlings.—D. M. COMPTON, M. S. and C. H. ROGERS, GEOFFREY CARLETON, F. W. LOETSCHER, JR., H. V. COBS, JR.

Ridgewood, N. J. to Piermont, N. Y.—Dec. 20; 7:30 A.M. to 6 P.M. Weather clear and cool. By foot and car. Six parties of 2 each in A.M.; 3 parties in P.M. Black Duck, 61; American Golden-eye, 42; American Merganser, 68; Red-shouldered Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 2; Herring Gull, 81; Mourning Dove, 1; Hairy Woodpecker, 10; Downy Woodpecker, 29; Blue Jay, 52; Eastern Crow, 155; Black-capped Chickadee, 121; Tufted Titmouse, 28; White-breasted Nuthatch, 27; Red-breasted Nuthatch, 2; Brown Creeper, 6; Winter Wren, 5; Carolina Wren, 1; Bluebird, 7; Starling, 182; English Sparrow, 321; Cardinal, 1; Purple Finch, 24; Goldfinch, 47; Towhee, 1; Vesper Sparrow, 5; Slate-colored Junco, 120; Tree Sparrow, 47; White-throated Sparrow, 26; Song Sparrow, 27. Total, 31 species, 1505 individuals.—MRS. R. A. ARMIST, MRS. I. J. ADAMS, MRS. R. H. BAKER, MRS. H. H. BELLows, MRS. C. A. BURT, MRS. H. W. CANNON, MRS. A. T. CHASE, MRS. F. G. DUNHAM, MRS. C. K. NICHOLS, MRS. E. C. SHERWOOD, MRS. A. W. WALTER, MRS. J. VAN SAUN.

Bedford County, Pa.—Dec. 24; 4:30 A.M. to 4:15 P.M. Cloudy, rain off and on all day; ground bare; calm; temp. 27° at start, 38° at return. By car, 20 miles; about 15 miles on foot, near Osterburg. Observers together. Black Duck, 4; Cooper's Hawk, 1; Sparrow Hawk, 1; Mourning Dove, 6; Great Horned Owl, 2; Ruffed Grouse, 2; Hairy Woodpecker, 4; Downy Woodpecker, 10; Horned Lark, 3; Crow, 18; Chickadee, 17; Tufted Titmouse, 7; Red-breasted Nuthatch, 2; White-breasted Nuthatch, 12; Brown Creeper, 2; Robin, 1; Golden-crowned Kinglet, 14; Starling, 205; English Sparrow, 54; Cardinal, 10; Purple Finch, 4; Goldfinch, 7; Junco, 15; Tree Sparrow, 18; Song Sparrow, 3. Total, 25 species, 421 individuals. Great Horned Owls were hunting from opposing ridges at 4:45 A.M.—DAVID BERKHEIMER, RALPH BERKHEIMER.

Deer Creek (Allegheny Co.), Pa.—Dec. 26; 8 A.M. to 2:30 P.M. Clear; no wind; temp. 20° at start, 40° at return. About 6 miles on foot. Observers in 2 parties. Cooper's Hawk, 1; Ruffed Grouse, 6; Hairy Woodpecker, 6; Downy Woodpecker, 45; Crow, 1; Black-capped Chickadee, 12; Tufted Titmouse, 80; White-breasted Nuthatch, 45; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 1; Starling, 7; English Sparrow, 20; Cardinal 27; Goldfinch, 17; Slate-colored Junco, 14; Tree Sparrow, 61; Song Sparrow, 14. Total, 18 species, 363 individuals. The Carolina Wren is the first one reported in a census since 1929 and the Cooper's Hawk is one of three since 1925.—F. S. BENNETT, C. S. TAYLOR, R. C. JOHNSTON, LARUE PATTERSON, TILLIE LIMPET, B. S. HAGAR, H. B. STERRE, C. F. WESCOAT, T. RODGERS, F. K. ABRAHAM.

Glenolden, Pa. (to Hog Island, Tincum Media, Springton Reservoir).—Dec. 26; 6:45 A.M. to 8 P.M. Partly cloudy; wind west, light; temp. 32° at start, 35° at finish. Observers in pairs, separate. Holboell's Grebe, 1 (T. and J. Rigby); Great Blue Heron, 3; Black-crowned Night Heron, 12; Whistling Swan, 5 (T. and J. Rigby); Mallard,

17; Black Duck, 5000 (est.); Baldpate, 3; Pintail, 5000 (est.); Shoveller, 2 (T. and J. Rigby); Red-head, 3; Ring-necked Duck, 5; Scaup, 7; Buffle-head, 1 (T. and J. Rigby); American Merganser, 25; Turkey Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Bald Eagle, 1 (T. and J. Rigby); Marsh Hawk, 10; Duck Hawk, 1; Sparrow Hawk, 15; Bob-white, 5; Ring-necked Pheasant, 2; Coot, 14; Killdeer, 20; Herring Gull, 133; Ring-billed Gull, 42; Barn Owl, 2; Screech Owl, 1; Short-eared Owl, 1 (M. Gillespie); Snowy Owl, 1 (T. and J. Rigby); Belted Kingfisher, 1; Flicker, 7; Hairy Woodpecker, 6; Downy Woodpecker, 18; Horned Lark, 4; Blue Jay, 16; Crow, 650; Fish Crow, 4; Chickadee, 48; Tufted Titmouse, 28; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 5; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 6; Catbird, 1 (Bender, Fagan and J. Gillespie); Robin, 3; Hermit Thrush, 1 (V. Debes); Bluebird, 9; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1 (T. and J. Rigby); Starling, 1000; English Sparrow, 100; Meadowlark, 25; Red-wing, 200; Purple Grackle, 2; Cardinal, 37; Purple Finch, 19; Goldfinch, 28; Slate-colored Junco, 298; Tree Sparrow, 185; Field Sparrow, 6; White-throated Sparrow, 68; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 50. Total, 70 species, about 13,213 individuals. Dec. 8, Saw-whet Owl banded by J. and M. Gillespie. Above all observed and studied under favorable conditions except Screech Owl which was heard at 4 A.M.—ANNA and VICTOR DEBES, EARL T. HIGGONS, T. and J. RIGBY, RICHARD O. BENDER, ROBERT FAGAN, PHILIP A. LIVINGSTON, JOHN and MABEL GILLESPIE.

Harrisburg, Pa. (nearly same as last year but with a little territory added within the 15-mile limit).—Dec. 23; 8 A.M. to 5 P.M. Generally cloudy; wind northeast, light, shifting to northeast; temp. 42° at start, 36° at return. By automobile and afoot. Observers together. Mallard, 30 (1 dead); Common Black Duck, 45; Sparrow Hawk, 1; Ruffed Grouse, 5; Hungarian Partridge, 2; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 2; Crow, 118; Black-capped Chickadee, 42; Tufted Titmouse, 16; White-breasted Nuthatch, 2; Brown Creeper, 1; Hermit Thrush, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 2; Starling, 65+; English Sparrow, 40; Cardinal, 14; Goldfinch, 6; Junco, 50+; Tree Sparrow, 31; Swamp Sparrow, 1; Song Sparrow, 35. Total, 24 species, about 541 individuals. The Hermit Thrush was observed at 20 feet for two minutes with 8X glass; all marks plainly seen.—MR. and MRS. EDWARD S. FREY.

Linesville, Pa. (Pymatuning Sanctuary).—Dec. 26; 8 A.M. to 2:30 P.M. Clear, sunshine; ground partly covered with snow; brisk south-east wind; temp. 10° at start, 32° at return. About 10 miles, sanctuary circled. Observers together. Canada Goose, 9; Mallard Duck, 50; Common Black Duck, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; American Coot, 4; Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 16; Crow, 2; Black-capped Chickadee, 58; Tufted Titmouse, 2; White-breasted

Nuthatch, 2; Red-breasted Nuthatch, 2; Golden-crowned Kinglet, 7; Cedar Waxwing, 2; Starling, 40; English Sparrow, 4; Cardinal, 10; Purple Finch, 1; Pine Siskin, 1; Goldfinch, 10; Slate-colored Junco, 24; Tree Sparrow, 145; Song Sparrow, 5. Total, 29 species, 411 individuals.—M. B. SKAGGS, STANLEY J. SIPLE, GEO. M. THORP, FRANK A. HEGNER.

Philadelphia, Pa.—Dec. 23; 7 A.M. to 4:30 P.M. Overcast all day with small break about noon; wind northwest, light; temp. 42° at start, 50° at noon, 44° at finish. Five observers, separated on foot; at no time more than 7½ miles from Oak Lane Reservoir. Horned Grebe, 1 (?); Black-crowned Night Heron, 1; Mallard, 20 (11 males, 9 females); Black Duck, 16; Wood Duck, 3; Lesser Scaup Duck, 1; Buffle-head, 1; American Merganser, 89; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 8; Bob-white, 8 (1 covey); Pheasant, 41 (20 males, 21 females); Killdeer, 17 (1 flock); Herring Gull, 200 (est.); Ring-billed Gull, 7; Mourning Dove, 1; Long-eared Owl, 1; Kingfisher, 2; Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 25; Horned Lark, 24; Blue Jay, 43; Crow, 2000 (est.); Fish Crow, 3; Black-capped Chickadee, 117; Carolina Chickadee, 2; Tufted Titmouse, 28; White-breasted Nuthatch, 15; Brown Creeper, 2; Winter Wren, 5; Catbird, 1; Brown Thrasher, 1; Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 11; Starling, 600 (est.); Myrtle Warbler, 8; English Sparrow, 300 (est.); Meadowlark, 2; Cardinal, 43; Purple Finch, 3; Goldfinch, 29; Towhee, 1; Slate-colored Junco, 416; Tree Sparrow, 95; Field Sparrow, 17; White-throated Sparrow, 43; Swamp Sparrow, 3; Song Sparrow, 43. Total, 53 species, 4242 (est.) individuals. Seen on Dec. 20 in the same locality: Great Blue Heron, 2; Screech Owl, 1; Red-breasted Nuthatch, 3.—JEROME KESSLER, RICHARD MILLER, DANIEL P. SMITH, JR., ROBERT W. SMITH, RICHARD DARBY.

Pittsburgh and Allegheny County, Pa. (from Emsworth, Millvale, Schenley Park, Frick Park, McKeesport, to Finleyville).—Dec. 26; 7 A.M. to 6 P.M. Clear; some snowdrifts on higher hills; wind west to southwest, light; temp. 30° at start, 35° at return. About 40 miles on foot. Observers separate, in 5 groups. Ruffed Grouse, 2; Ring-necked Pheasant, 5; Hairy Woodpecker, 12; Downy Woodpecker, 27; Crow, 421; Chickadee, 48; Tufted Titmouse, 71; White-breasted Nuthatch, 20; Brown Creeper, 3; Carolina Wren, 2; Golden-crowned Kinglet, 1; Starling, 89; House Sparrow, 100; Cardinal, 156; Goldfinch, 23; Towhee, 2; Slate-colored Junco, 116; Tree Sparrow, 117; Song Sparrow, 64. Total, 19 species, 1299 individuals.—CARL and DOROTHY AUERSWALD, HELEN BLAIR, MR. and MRS. ALEX HARDIE, P. P. MALLEY, L. F. SAVAGE, CARMELITA SAVAGE, MARGARET SAVAGE, C. B. SHOEMAKER, JR., J. R. STECK, ANN TAYLOR.

Reading, Pa. (radius 7½ miles from city).—Dec. 26; 7 A.M. to 5 P.M. Clear; ground bare; wind northwest, light; temp. 28° at start, 42° at return. By automobile and afoot. Observers in 5 groups. Mallard, 100; Black Duck, 500; Red-legged Black Duck, 600; Baldpate, 40; Pintail, 60; Green-winged

Teal, 80; American Merganser, 60; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 7; Ruffed Grouse, 1; Bob-white, 16; Ring-necked Pheasant, 36; Screech Owl, 1; Kingfisher, 6; Flicker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 34; Blue Jay, 3; Crow, 500; Fish Crow, 2; Black-capped Chickadee, 166; Tufted Titmouse, 24; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 6; Brown Creeper, 5; Winter Wren, 6; Mockingbird, 1; Robin, 15; Hermit Thrush, 2; Golden-crowned Kinglet, 25; Starling, 33,200; House Sparrow, 381; Red-winged Blackbird, 108; Purple Grackle, 2000; Cowbird, 400; Cardinal, 43; Purple Finch, 16; Goldfinch, 127; Junco, 315; Tree Sparrow, 109; White-throated Sparrow, 129; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 33. Total, 47 species, 39,076 individuals.—MAX BERGENDAHLE, DAVID BERKHEIMER, STEWART DREIBELIS, SARA FISTER, SAMUEL GUSS, WILLIAM HIESTER, EDWIN HILL, JAMES HOLZMAN, PAUL JENSEN, CONSTANCE KLINE, JANE MOHR, EARL L. POOLE, ERAIDA POPOFF, MARTIN STAPLETON, SAMUEL WISNIESKI, HELEN M. YUNG, members of Baird Ornithological Club.

Scranton, Pa. (Susquehanna River Valley, from Pittston to Tunkhannock, eastward to Griffen's Pond; including open fields, wooded hill-sides, swamps, ponds, Tunkhannock Creek and Susquehanna River).—Dec. 26; 9 A.M. to 4 P.M. Clear all day; ground bare; ponds frozen, river open; wind southwest; temp. 32° at start, 36° at return. Observers in two groups, 4 and 5 miles on foot; 40 and 75 miles by motor. Black Duck, 1; Golden-eye, 4; American Merganser, 15; Ruffed Grouse, 4; Ring-necked Pheasant, 3; Downy Woodpecker, 5; Blue Jay, 5; Crow, 14; Black-capped Chickadee, 86; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 3; Brown Creeper, 1; Golden-crowned Kinglet, 2; Starling, 51; English Sparrow, 75; Meadowlark, 1; Goldfinch, 51; Junco, 25; Tree Sparrow, 26; Song Sparrow, 2. Total, 20 species, 376 (est.) individuals. Dec. 27, 2 Hairy Woodpeckers, 7 Bob-whites seen in same area.—J. M. CAIRNS, J. M. CAIRNS, JR., MR. and MRS. FRANCIS H. COFFIN.

Springs (Somerset Co.), Pa. (altitude 2400 ft.).—Dec. 25; 8:30 A.M. to 3:30 P.M. Mostly cloudy, with some drizzle in morning and sunshine in P.M.; ground bare; wind easterly, light; temp. 45°. About 12 miles on foot. Ruffed Grouse, 3; Bob-white, 6; Great Horned Owl, 1; Barred Owl, 1; Screech Owl, 2; Hairy Woodpecker, 3; Downy Woodpecker, 6; Pileated Woodpecker, 2; Prairie Horned Lark, 16; Blue Jay, 2; Crow, 6; Black-capped Chickadee, 10; Tufted Titmouse, 7; White-breasted Nuthatch, 4; Golden-crowned Kinglet, 2; Brown Creeper, 1; Starling, 6; Cedar Waxwing, 12; House Sparrow, 12; Cardinal, 2; Goldfinch, 4; Slate-colored Junco, 7; Tree Sparrow, 19; Song Sparrow, 1. Total, 24 species, 135 individuals.—ANSEL B. MILLER.

Swarthmore, Pa.—Dec. 26; 7 A.M. to 4:30 P.M. Clear; wind west-northwest; temp. 36° at start, 42° at return. By auto from Swarthmore to Tincum and return; then on foot to Springton Reservoir. Observers together only while at Tincum marshes. Black Duck, 220+; Canvas-



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back, 1; American Merganser, 7; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Pheasant, 3; Herring Gull, 20; Mourning Dove, 1; Downy Woodpecker, 3; Blue Jay, 3; Crow, 36; Black-capped Chickadee, 100+; Tufted Titmouse, 3; White-breasted Nuthatch, 6; Carolina Wren, 1; Golden-crowned Kinglet, 2; Starling, 100+; English Sparrow, 30; Cardinal, 12; Goldfinch, 2; Slate-colored Junco, 70; Tree Sparrow, 3; Field Sparrow, 2; White-throated Sparrow, 4; Song Sparrow, 50. Total, 28 species, 520 (est.) individuals. Screech Owl and Bluebirds seen the following day.—ROBERT WHITE, THEODORE COOK, WALTER JONES, EDMUND JONES.

West Chester, Pa.—Dec. 21; 8 A.M. to 5 P.M. Sky overcast; snow-flurries in the morning, afternoon clearing; temp. 32°. Observers in 7 groups in 4 different directions; fields not overlapping, all within prescribed limits. Great Blue Heron, 1; Mallard, 15; Golden-eye, 1; American Merganser, 15; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 12; Ring-necked Pheasant, 5; Killdeer, 2; Mourning Dove, 41; Screech Owl, 1; Kingfisher, 6; Flicker, 6; Hairy Woodpecker, 7; Downy Woodpecker, 62; Blue Jay, 34; Crow, 1557; Chickadee, 189; Tufted Titmouse, 55; White-breasted Nuthatch, 34; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 3; Mockingbird, 1; Robin, 5; Bluebird, 27; Golden-crowned Kinglet, 20; Starling, 1303; Pine Warbler, 1; English Sparrow, 387; Meadowlark, 2; Purple Grackle, 4; Cardinal, 59; Purple Finch, 5; Goldfinch, 53; Towhee, 1; Vesper Sparrow, 1; Junco, 289; Tree Sparrow, 90; White-throated Sparrow, 31; Song Sparrow, 44. Total, 43 species, 4385 individuals.—MR. and MRS. ISAAC G. ROBERTS, MRS. R. M. SCOTT, MR. and MRS. JOSEPH COPE, GILBERT COPE, MRS. FEW,

MRS. FLETCHER, MR. and MRS. HALLOWELL, W. ROGER WHITWORTH, ALBERT CONWAY, ARTHUR HOOPES, R. L. LLOYD, GEORGE FORSYTHE, MISSES CALVERT, GRIFFITH, SWAYNE, HELEN and GERTRUDE RHOADS, GOODWIN, SHARPLES, PIERCE, GROFF.

Wyncote, Pa. (within prescribed limits, Chestnut Hill, Camp Hill, and Prospectville, to Roslyn, Trevose, and Cheltenham).—Dec. 26; 7:15 A.M. to 5:15 P.M. Clear; ground bare (as all winter); still early, brisk west wind by noon; temp. 30° at start, 39° at return. About 80 miles by auto, 25 afoot. Observers in 4 parties, 3 of them together in midday. Red-tailed Hawk, 7; Sparrow Hawk, 11; Ring-necked Pheasant, 95 (22♂); Killdeer, 2; Mourning Dove, 24 (15 in 1 flock); Barn Owl, 1; Flicker, 13; Hairy Woodpecker, 8; Downy Woodpecker, 31; Blue Jay, 42; Crow, 1977+ (1550+ on one roost-flight); Black-capped Chickadee, 88; Tufted Titmouse, 20; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 4; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 1; Robin, 3; Hermit Thrush, 3; Bluebird, 6 (where 35 on Christmas); Golden-crowned Kinglet, 3; Starling, 486+; Myrtle Warbler, 2; English Sparrow, 105; Meadowlark, 1; Purple Grackle, 1 (one-legged, wintering at food-station); Cardinal, 40; Purple Finch, 7; Goldfinch, 22; Slate-colored Junco, 317; Tree Sparrow, 94; Chipping Sparrow, 1 (observed closely, R. E., F. C. G.); Field Sparrow, 4; White-throated Sparrow, 56; Song Sparrow, 26. Total, 36 species, 3515+ individuals (29 species, 784 individuals in the territory where 29 species, 1296 individuals last year. Enlarged territory this year with eye to future; the old threatened by building operations.) Remains of Saw-whet Owl.—GEORGE B. DYER, T. RUSSELL FRANK, WILLIAM W. FRECH, JAMES R. GILLIN, ARNOLD MOORE, J. FOLSOM PAUL, KENNETH E. PAUL, EDWARD H. PARRY, WILLIAM PEPPER, JR., NEWELL D. SAIGORN, MALCOLM M. SMITH; also, in one district, MRS. MABEL FAIRLAMB, MRS. FLORENCE C. GRISCOM, MISS ESTHER HEACOCK, ROBERT ELLIS, JAY V. HARE, members of Wyncote Bird Club.

Rehoboth Beach and Indian River, Del.—Dec. 22; 7:30 A.M. to 4:30 P.M. Clear; ground bare; wind moderate southwest; temp. 35° to 45°. About 20 miles in car and on foot. Observers together. Common Loon, 13; Red-throated Loon, 3; Horned Grebe, 9; Great Blue Heron, 5; Canada Goose, 12; Mallard, 14; Black Duck, 107; Pintail, 2; Green-winged Teal, 12; Greater Scaup, 19; Golden-eye, 14; Buffle-head, 5; American Scoter, 4; White-winged Scoter, 39; Ruddy Duck, 4; Red-breasted Merganser, 3; Turkey Vulture, 20 (est.); Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Bob-white, 1; Coot, 25; Killdeer, 3; Black-bellied Plover, 1; Sanderling, 9; Great Black-backed Gull, 1; Herring Gull, 85 (est.); Ring-billed Gull, 17; Bonaparte's Gull, 1; Mourning Dove, 2; Belted Kingfisher, 1; Flicker, 1; Horned Lark, 26; Crow, 22; Red-breasted Nuthatch, 2; Brown Creeper, 1; Mockingbird, 2; Robin, 3; Bluebird, 7; Golden-crowned Kinglet, 4; Starling, 31; Myrtle Warbler, 75 (est.); Meadowlark, 7; Red-wing, 6; (Purple?) Grackle, 28; Cardinal, 1; Goldfinch, 1; Slate-colored Junco, 2; Tree Sparrow, 14; Field Sparrow, 4; White-

throated Sparrow, 5; Swamp Sparrow, 1; Song Sparrow, 9. Total, 53 species, about 686 individuals.—ETHEL BRADY, CEDRIC COOPER, WALDEN PELL 2d.

Accokeek, Md. (east side of Potomac just below mouth of Piscataway Creek).—Dec. 21; 8 A.M. to 4:20 P.M. Cloudy at start, shifting clouds in afternoon; temp. 36° at start, 41° at return. Area of about 2 square miles, comprising river-front, cultivated river-flat, wooded swamp, cattail marsh and border of adjacent wooded upland, covered intensively on foot. Observers in pairs or singly at different times during the day. Great Blue Heron, 2; Mallard, 2; Black Duck, 250 (+ 250?); Canvas-back, 5; Lesser (?) Scaup, 1; Golden-eye, 4; Ruddy Duck, 1; American Merganser, 175; Turkey Vulture, 15; Black Vulture, 4; Sharp-shinned (?) Hawk, 1; Red-tailed Hawk, 2; Red-shouldered (?) Hawk, 1; Bald Eagle, 2; Bob-white, 35; Killdeer, 1; Herring Gull, 40; Ring-billed Gull, 10; Mourning Dove, 30; Flicker, 10; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 1; Downy Woodpecker, 25; Blue Jay, 3; Crow, 50; Carolina Chickadee, 30; Tufted Titmouse, 40; White-breasted Nuthatch, 4; Brown Creeper, 7; Winter Wren, 5; Carolina Wren, 5; Mockingbird, 4; Robin, 1; Hermit Thrush, 5; Bluebird, 25; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 3; American Pipit, 6; Starling, 5; English Sparrow, 15; Meadowlark, 21; Red-wing, 75; Rusty Blackbird, 5; Cardinal, 50; Purple Finch, 1; Goldfinch, 100; Slate-colored Junco, 150; Tree Sparrow, 100; Field Sparrow, 10; White-throated Sparrow, 40; Song Sparrow, 50. Total, 53 species, about 1700 individuals.—A. A. BAKER, T. B. NOLAN, C. F. PARK, JR., W. W. RUBEY, U. S. Geological Survey, Washington, D. C.

Edgewood, Md. (Dove Cove and Lego Point on the Bush River).—Dec. 26; 9 A.M. to 4 P.M. Clear in the morning, clouding up by the middle of the afternoon; light northwest wind; temp. between 40° and 48°. About 6 miles on foot. Observers together. Whistling Swan, 38; Red-head, 1 flock of about 200 in which there may have been a few Scaup; Canvas-back, 1 (crippled female); Golden-eye, 1. Several other flocks of Ducks were seen numbering many hundreds but they were too far away for positive identification. I was told that the day before there were about 10,000 Canvas-backs in the Cove. Turkey Vulture, 6; (Red-shouldered?) Hawk, 1; Bald Eagle, 3 (1 flushed from a nest); Sparrow Hawk, 2; Mourning Dove, 2; Flicker, 2; Red-bellied Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 1; Crow, 20; Carolina Chickadee, 13; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Bluebird, 12; Starling, 12; Myrtle Warbler, 3; Pine Warbler, 2; Meadowlark, 9; Red-wing, 4; Rusty Blackbird, 1; Cardinal, 15; Goldfinch, 20; Towhee, 2; Junco, 2; Tree Sparrow, 12; White-throated Sparrow, 1; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 8. Total, 33 species, about 402 individuals.—RUTH E. LINDERBERG, DOROTHY RICE, ALICE BROWN, FLORENCE BURNER, CHARLES H. KOLB, W. BRYANT TYRRELL.

Loch Raven (Baltimore Co.), Md. (Baynesville to Loch Raven Dam and around the

lake to Towson).—Dec. 26; 7:20 A.M. to 5 P.M. Clear in morning, mostly cloudy in afternoon; medium northwest wind; temp. 39° at start, 47° at return. About 20 miles on foot. American Merganser, 67; Turkey Vulture, 120; Cooper's Hawk, 1; Marsh Hawk, 1; Herring Gull, 2; Hairy Woodpecker, 3; Downy Woodpecker, 7; Crow, 16; Carolina Chickadee, 5; Tufted Titmouse, 1; Winter Wren, 1; Mockingbird, 1; Bluebird, 4; Golden-crowned Kinglet, 6; Starling, 18; Cardinal, 4; Goldfinch, 3; Slate-colored Junco, 23; Tree Sparrow, 27; Song Sparrow, 5. Total, 20 species, 315 individuals.—C. HAVEN KOLB, JR.

Port Tobacco (Charles Co.), Md. (area along Port Tobacco River between Port Tobacco Village and Brentland Wharf and south to Nanjemoy Creek).—Dec. 23; 7 A.M. to 5:30 P.M. Cloudy; moderate temp. Distance on foot, about 10 miles. Observers in pairs throughout the day. Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 2; Common Mallard, 30; Black Duck, 10; Baldpate, 4; Ring-necked Duck, 2; Canvas-back, 23; Lesser Scaup, 4; American Golden-eye, 7; Buffle-head, 2; Ruddy Duck, 250; American Merganser, 18; Turkey Vulture, 10; Black Vulture, 10; Red-tailed Hawk, 1; Sparrow Hawk, 1; Killdeer, 7; Wilson's Snipe, 3; Herring Gull, 20; Ring-billed Gull, 3; Mourning Dove, 50; Barred Owl, 1; Belted Kingfisher, 3; Flicker, 20; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 30; Blue Jay, 18; American Crow, 200; Fish Crow, 2; Carolina Chickadee, 17; Tufted Titmouse, 30; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 7; Brown Creeper, 3; Winter Wren, 8; Carolina Wren, 10; Long-billed Marsh Wren, 2; Mockingbird, 4; Brown Thrasher, 1; Robin, 50; Hermit Thrush, 11; Bluebird, 13; Golden-crowned Kinglet, 32; Cedar Waxwing, 28; Migrant Shrike, 1; Starling, 30; Myrtle Warbler, 1; English Sparrow, 100; Meadowlark, 75; Red-wing, 5000 (est.); Grackle, 4; Cardinal, 60; Goldfinch, 50; Towhee, 2; Savannah Sparrow, 1; Slate-colored Junco, 150; Tree Sparrow, 200; White-throated Sparrow, 60; Swamp Sparrow, 1; Song Sparrow, 75. Total, 63 species, 6776 (est.) individuals.—IRA N. GABRIELSON, A. C. MARTIN, NEIL HOTCHKISS, A. L. NELSON.

St. Mary's City (vicinity of) to Point Lookout, Md.—Dec. 22; 6:35 A.M. to 5:30 P.M. Clear; light wind from northwest; temp. 24° at start, 55° at return. About 40 miles in cars and on foot. Observers in 2 and 3 parties. Horned Grebe, 26; American Golden-eye, 80; Buffle-head, 9; Ducks (unidentified), 147; American Merganser, 2; Turkey Vulture, 63+; Black Vulture, 51+ (at 7:07 A.M. a roost of over 100 Turkey and Black Vultures was disturbed); Sharp-shinned Hawk, 5; Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered (?) Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Killdeer, 10; Herring Gull, 53; Ring-billed Gull, 6; Gulls (unidentified), 37; Mourning Dove, 5; Horned Owl, 1 (heard); Barred Owl, 1; Belted Kingfisher, 1; Flicker, 5; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 12; Crow (only 1 certainly identified as a Fish Crow), 90+; Carolina Chickadee, 49; Tufted Titmouse, 17; White-breasted Nuthatch, 1; Red-



Phoebe Knappen

breasted Nuthatch, 23; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 12; Mockingbird, 7; Robin, 41; Hermit Thrush, 20; Bluebird, 58; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 1; Starling, 25; Myrtle Warbler, 19; English Sparrow, 202 (165 in 1 flock); Meadowlark, 12; Red-wing, 190; Cardinal, 20; Goldfinch, 54; Red-eyed Towhee, 3; Slate-colored Junco, 103; Tree Sparrow, 5; Field Sparrow, 75; White-throated Sparrow, 36; Song Sparrow, 143. Total, 52 species, 1771+ individuals.—ROBERT H. GENSCH, PHEBE KNAPPEN, FRANKLIN H. MAY, ROBERT C. McCLANAHAN, ALBERT H. TROWBRIDGE.

Washington, D. C. (in regions of Four Mile Run, Va., Roaches Run Sanctuary, Va., Hamilton Hill, D. C., and along the C. & O. Canal from the D. C. line to Cabin John, Md.).—Dec. 24; 8 A.M. to 3.30 P.M. Cloudy until 11 A.M., light rain during rest of day; wind light, east and northeast; temp. at start 32°, at finish 38°. About 20 miles by auto, 9 miles on foot, covering the regions mentioned—a 15-mile diameter. Observers together. Great Blue Heron, 2; Mallard, 94; Black Duck, 82; Pintail, 175; Redhead, 4; Canvas-back, 2; Lesser Scaup, 8; Buffle-head, 1; American Merganser, 25; Red-tailed Hawk, 1; Bald Eagle, 1; Bob-white, 1 covey of 7, 1 covey of 5; Killdeer, 1; Herring Gull, 180; Ring-billed Gull, 95; Flicker, 3; Red-bellied Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 3; Crow, 3; Fish Crow, 2; Chickadee, 11; Tufted Titmouse, 30; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 5; Brown Creeper, 6; Winter Wren, 5; Carolina Wren, 5; Golden-crowned Kinglet, 7; Starling, 28; English Sparrow, 6; Cardinal, 25; Purple Finch, 2;

Goldfinch, 7; Towhee, 3; Junco, 37; Tree Sparrow, 2; White-throated Sparrow, 6; Song Sparrow, 8. Total, 39 species, 904 individuals. The Buffle-head, a female, was examined by each of the 3 observers through 8- and 10-power glasses. The white cheek-spot, white wing-patch, and small size were noted at a distance of 100 feet.—GEORGE A. PETRIDES, R. S. BRAY, IRVING FOX.

Blacksburg, Va. (down both sides Strouble's Creek about 5 miles).—Dec. 20; 6.30 A.M. to 12.30 P.M.; 1.30 P.M. to 6 P.M. Clear forenoon, increasing cloudiness afternoon (poor visibility and slight flurries sleet after 4 P.M.); ground bare; wind, none in forenoon to strong, west wind in afternoon; temp. 25° at start, 40° at return. About 21 miles on foot; 30 miles by automobile. Observers together about half time. Great Blue Heron, 1; Black Duck, 2; Gadwall, 1; Baldpate, 1; Pintail, 7; Lesser Scaup, 4; Turkey Vulture, 32; Black Vulture, 4; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1 (adult); Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Bob-white, 21 (2 coveys), another covey heard whistling from roost at daybreak; Wilson's Snipe, 5; Mourning Dove, 28; Screech Owl, 1 (heard before day); Great Horned Owl, 2 (heard before day); Barred Owl, 1; Belted Kingfisher, 2; Flicker, 6; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 16 (12 groups); Prairie Horned Lark, 64+; Blue Jay, 30+; Crow, 800+; Fish Crow, 1; Chickadee, 14 (7 groups); Tufted Titmouse, 24 (10 groups); White-breasted Nuthatch, 19 (13 groups); Red-breasted Nuthatch, 1; Brown Creeper, 3; Mockingbird, 9; Hermit Thrush, 1; Golden-crowned Kinglet, 10; Migrant Shrike, 1; Starling, 2500+; English Sparrow, 46; Meadowlark, 48; Cardinal, 20 (11 groups); Purple Finch, 3; Goldfinch, 35; Junco, 184+ (11 groups); Tree Sparrow, 172+ (7 groups); Field Sparrow, 6; White-crowned Sparrow, 8; Song Sparrow, 25. Total, 50 species, about 4171 individuals.—C. F. DELABARRE, C. F. PHELPS, L. S. GIVENS, C. O. HANDLEY, SR., C. O. HANDLEY, JR.

Lexington, Va. (circle of 8 miles' diameter; territory usually covered; Big Spring and other ponds, open fields, oak woods, and cedar thickets).—Dec. 20; 7.30 A.M. to 4.30 P.M. Clear in morning, dark and cloudy in afternoon; ground bare, frozen at start; light east wind; temp. 24° to 42°. About 25 miles by auto, 8 on foot. Observers together, third present only in morning, fourth only in afternoon. Mallard, 1; Red-legged Black Duck, 1; Common Black Duck, 8; Baldpate, 1; Green-winged Teal, 8; Scaup, 1; Hooded Merganser, 1; Turkey Vulture, 51; Red-tailed Hawk, 3; Sparrow Hawk, 2; Killdeer, 2; Mourning Dove, 3; Screech Owl, 1 (heard before dawn); Flicker, 1; Pileated Woodpecker, 3; Red-bellied Woodpecker, 2; Downy Woodpecker, 14; Horned Lark, 2 (flying over); Blue Jay, 5; Crow, 71; Carolina Chickadee, 29; Tufted Titmouse, 18; White-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 17; Mockingbird, 5; Hermit Thrush, 1; Bluebird, 16; Golden-crowned Kinglet, 17; Starling, 163; Myrtle Warbler, 2; English Sparrow, 205; Cardinal, 36; Goldfinch, 32; Junco, 237; Tree Sparrow, 45; Field Sparrow, 5; White-throated Sparrow, 23; Song Sparrow, 14. Total,

40 species, 1051 individuals. Red-legged Black Duck studied at close range in good light with 8X glasses. Points noted were distinctively yellow bill, bright red legs, light area at end of folded wings (J. J. M.). These marks have been repeatedly checked on 3 birds out of a small flock present at Big Spring for several weeks. Only one of these could be closely observed on the census day.—J. J. MURRAY, SOUTHGATE HOTT, CARLISLE FIX, JAMES MURRAY, JR.

Lynchburg, Va. (Timber Lake, Tomahawk Swamp, Edgewood Farm, College Lake).—Dec. 26; 8 A.M. to 4.30 P.M. Partly cloudy; ground bare; wind west, light; temp. 33° at start, 55° at noon. About 6½ miles on foot, 30 by car. Observers together 10.30 A.M. to 2 P.M. R. S. F. alone rest of time. Turkey Vulture, 13; Black Vulture, 14; Red-shouldered Hawk, 1; Quail, 1; Mourning Dove, 19; Kingfisher, 1; Flicker, 4; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Prairie Horned Lark, 12; Blue Jay, 6; Crow, 336 (1 flock of 300, est.); Chickadee, 11; Tufted Titmouse, 4; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 9; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 9; Mockingbird, 5; Robin, 12; Hermit Thrush, 2; Bluebird, 11; Golden-crowned Kinglet, 7; Starling, 135; English Sparrow, 14; Meadowlark, 31; Cardinal, 5; Purple Finch, 12; Goldfinch, 13; Junco, 111; Tree Sparrow, 6; Field Sparrow, 10; White-throated Sparrow, 8; Song Sparrow, 12. Total, 37 species, 856 individuals. Brown Thrasher seen Dec. 10.—DOROTHY L. and RUSKIN S. FREER.

Washington's Birthplace, Va.—Dec. 24; 6.45 A.M. to 5.45 P.M. Cloudy; wind northeast, fairly strong; misty most of the day; temp. 35° at start, 33° on return. Start at Muse's Beach; Washington's Birthplace thoroughly covered, then to Rappahannock River at Leedstown, to Cat Point Creek, and return within 15-mile diameter. About 4 miles on foot, 60 miles by car. Common Loon, 1; Great Blue Heron, 1; Mallard, 15; Black Duck, 12; Baldpate, 100 (est.); Pintail, 150 (est.); Ring-necked Duck, 2; Lesser Scaup, 19; Golden-eye, 52; Buffle-head, 3; Ruddy Duck, 24; Hooded Merganser, 31; American Merganser, 18; Turkey Vulture, 150 (est.); Black Vulture, 3; Red-tailed Hawk, 3; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 6 (1 covey); Killdeer, 11; Herring Gull, 39; Ring-billed Gull, 7; Bonaparte's Gull, 4; Mourning Dove, 42; Great Horned Owl, 1; Barred Owl, 4; Belted Kingfisher, 1; Flicker, 2; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Blue Jay, 1; Crow, 200 (est.); Chickadee, 11; Tufted Titmouse, 5; Red-breasted Nuthatch, 3; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 9; Mockingbird, 7; Robin, 2; Hermit Thrush, 21; Bluebird, 22; Golden-crowned Kinglet, 43; Cedar Waxwing, 11; Migrant Shrike, 2; Starling, 500 (est.); Myrtle Warbler, 16; English Sparrow, 23; Meadowlark, 5; Red-wing, 750 (est.); Cardinal, 37; Goldfinch, 6; Slate-colored Junco, 300 (est.); Tree Sparrow, 45; Field Sparrow, 4; White-throated Sparrow, 67; Fox Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, 32. Total, 60 species, 2839 individuals.—CHARLES P. PRESTON.

Chapel Hill, N. C.—Dec. 26; 7 A.M. to 5 P.M. (1 hour out at noon). Clear to partly cloudy; fairly brisk wind around noon; temp. 38° to 55°. Approximately same territory covered as in censuses of past five years (6-mile radius, including University Lake, Strowd's Lowgrounds, Hogan's Pond, New Hope Swamp, university campus and intermediate points). Four parties in morning on foot (total mileage 18); observers together in afternoon by car (total mileage 30). Pied-billed Grebe, 2; Great Blue Heron, 2; Mallard, 19; Black Duck, 34; Baldpate, 5; Buffle-head, 4; American Merganser, 9; Turkey Vulture, 20; Black Vulture, 8; Sharp-shinned (?) Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 13; Sparrow Hawk, 1; Bob-white, 20; Ring-necked Pheasant, 1; Wild Turkey, 2; Woodcock, 1; Wilson's Snipe, 12; Mourning Dove, 18; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 1; Flicker, 46; Pileated Woodpecker, 2; Red-bellied Woodpecker, 37; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 4; Downy Woodpecker, 15; Phoebe, 7; Horned Lark, 25 (flock); Blue Jay, 20; Crow, 37; Carolina Chickadee, 47; Tufted Titmouse, 43; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 3; Brown Creeper, 4; Winter Wren, 12; Carolina Wren, 32; Mockingbird, 4; Brown Thrasher, 2; Hermit Thrush, 29; Bluebird, 50; Golden-crowned Kinglet, 53; Ruby-crowned Kinglet, 5; American Pipit, 3; Starling, 10; Blue-headed Vireo, 1; Myrtle Warbler, 55; Pine Warbler, 2; English Sparrow, 5; Meadowlark, 50; Red-wing, 51; Rusty Blackbird, 15; Cardinal, 28; Purple Finch, 43; Goldfinch, 40; Towhee, 7; Savannah Sparrow, 5; Junco, 425; Field Sparrow, 170; White-throated Sparrow, 230; Fox Sparrow, 15; Swamp Sparrow, 42; Song Sparrow, 250. Total, 68 species, about 2121 individuals. Larger numbers are partly estimates. American Mergansers were all females; large size, sharp contrast of color of head, throat and back, and blue-gray upperparts noted. Failure to find Robin and also Killdeer without precedent in former censuses. The Solitary Vireo is unusual in winter.—EUGENE ODUM, EDMUND TAYLOR, ARNOLD BRACKENRIDGE, COIT COCKER, M. S. BRACKENRIDGE.

Raleigh, N. C.—Dec. 21; 8 A.M. to 5 P.M. Clear, fresh wind in middle of day; temp. 32° to 48°. Territory covered, a triangular area mostly in and south of Raleigh, about 5 miles from east to west and 3 miles from north to south (Boone's Pond, Pullen Park, Lake Johnson, Lake Raleigh, and Boneyard Lake). Observers in 2 parties, meeting at intervals. Pied-billed Grebe, 2; Great Blue Heron, 1; Black Duck, 11; Pintail, 9; Redhead, 1; Ring-necked Duck, 108; Lesser Scaup, 12; Golden-eye, 3; Buffle-head, 4; Old-squaw, 1; Ruddy Duck, 4; Hooded Merganser, 4; Red-breasted Merganser, 4; Turkey Vulture, 25; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 6; Bob-white, 9; Killdeer, 17; Mourning Dove, 28; Belted Kingfisher, 4; Flicker, 12; Red-headed Woodpecker, 2; Downy Woodpecker, 25; Phoebe, 3; Blue Jay, 25; Crow, 45; Carolina Chickadee, 30; Tufted Titmouse, 8; White-breasted Nut-

hatch, 2; Brown-headed Nuthatch, 3; Brown Creeper, 8; Winter Wren, 5; Carolina Wren, 9; Mockingbird, 10; Brown Thrasher, 1; Robin, 1; Hermit Thrush, 4; Bluebird, 25; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 5; Pipit, 60; Cedar Waxwing, 8; Starling, 105; Pine Warbler, 3; English Sparrow, 95; Meadowlark, 16; Cowbird, 100; Cardinal, 25; Purple Finch, 20; Goldfinch, 3; Towhee, 4; Junco, 90; Field Sparrow, 20; White-throated Sparrow, 110; Swamp Sparrow, 8; Song Sparrow, 105. Total, 60 species, about 1281 individuals. Fully twice as many Sparrows were seen as could be positively identified as to species. The Redhead is an addition to the list of Raleigh species.—J. H. GREY, F. H. CRAIGHILL, W. ANDERSON, D. L. WRAY, R. COLLIE, C. S. BRIMLEY.

Washington, N. C.—Dec. 26; 7:30 A.M. to 12 M.; 2 to 5 P.M. Weather clear; moderately calm; temp. 36° to 57°. Territory: 1-mile radius north and east, including outskirts of city, both banks of Runyon's Creek, and north side of Pamlico River through Washington Park. Alone, on foot, covering many points within the area. Cooper's (?) Hawk, 2; Sparrow Hawk, 1; Bob-white, 6; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 1; Mourning Dove, 12; Barred Owl, 1; Flicker, 15; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 6; Phoebe, 1; Blue Jay, 25; Crow, 6; Carolina Chickadee, 15; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 22; Mockingbird, 5; Catbird, 1; Brown Thrasher, 2; Robin, 45; Hermit Thrush, 1; Bluebird, 9; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 3; Pipit, 10; Loggerhead Shrike, 3; Starling, 93; Myrtle Warbler, 12; Pine Warbler, 8; Yellow Palm Warbler, 3; English Sparrow, 65; Meadowlark, 75; Red-wing, 130; Rusty Blackbird, 4; Purple Grackle, 1; Cardinal, 8; Goldfinch, 2; Towhee, 8; Savannah Sparrow, 8; Junco, 55; Chipping Sparrow, 3; Field Sparrow, 30; White-throated Sparrow, 85; Fox Sparrow, 8; Swamp Sparrow, 10; Song Sparrow, 90. Total, 51 species, about 808 individuals. Partially estimated in a few cases.—JOSEPH D. BIGGS.

Charleston, S.C. (Bull's Island, adjacent waters and marshes, and mainland opposite).—Dec. 23; 7 A.M. to 4:30 P.M. Almost steady rain; wind northeast, about 15 m.p.h.; temp. 50° at start, 50° at return. Party divided into 3 groups on island and mainland. Groups averaged 16 miles by car, 4 miles on foot; together on boat, about 4 miles. Horned Grebe, 30; Pied-billed Grebe, 9; Brown Pelican, 1; Cormorant, 7; Great Blue Heron, 7; American Egret, 2; Louisiana Heron, 3; Little Blue Heron, 5; Mallard, 100+; Black Duck, 150+; Gadwall, 45; Baldpate, 47; Pintail, 32; Green-winged Teal, 46; Blue-winged Teal, 40; Shoveller, 24; Wood Duck, 46; Ring-necked Duck, 84; Canvas-back, 150; Lesser Scaup, 154; American Golden-eye, 1; Buffle-head, 48; Ruddy Duck, 100+; Hooded Merganser, 1; Red-breasted Merganser, 49; Turkey Vulture, 22; Black Vulture, 21; Hawk (Cooper's?), 1; Red-tailed Hawk, 1; Bald Eagle, 2; Marsh Hawk, 22; Bob-white, 11; Turkey, 4; Clapper Rail, 6; Florida Gallinule, 2; Coot, 290; Oyster-catcher, 65; Killdeer, 2; Black-bellied Plover, 2; Ruddy Turnstone, 1; Willet, 7; Greater

Yellow-legs, 2; Least Sandpiper, 6+; Dowitcher, 4; Western Sandpiper, 2+; Herring Gull, 22; Ring-billed Gull, 16; Laughing Gull, 1; Bonaparte's Gull, 5; Forster's Tern, 11; Caspian Tern, 10; Mourning Dove, 14; Belted Kingfisher, 1; Flicker, 11; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 1; Red-cockaded Woodpecker, 4; Phoebe, 2; Blue Jay, 9; Common Crow, 45+; Fish Crow, 14+; Carolina Chickadee, 8; Tufted Titmouse, 3; White-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 8; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 1; Mockingbird, 9; Catbird, 2; Brown Thrasher, 6; Robin, 60+; Hermit Thrush, 3; Bluebird, 8; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 31; Pipit, 8; Loggerhead Shrike, 1; White-eyed Vireo, 1; Myrtle Warbler, 200+; Pine Warbler, 2; Yellow-throat, 1; English Sparrow, 2; Meadowlark, 5; Red-winged Blackbird, 75+; Cardinal, 31; Goldfinch, 11; Red-eyed Towhee, 31+; White-eyed Towhee, 1; Savannah Sparrow, 5; Vesper Sparrow, 5; Chipping Sparrow, 16; Field Sparrow, 28; White-throated Sparrow, 65+; Fox Sparrow, 8; Swamp Sparrow, 16; Song Sparrow, 27. Total, 101 species, over 2528 individuals.—GLENN BROWN, WILCOX BROWN, E. B. CHAMBERLAIN, E. B. CHAMBERLAIN, JR., JOHN M. LOFTON (in A.M.), DUNBAR ROBB, ALEXANDER SPRUNT, JR., ELLISON A. WILLIAMS.

Chester, S. C.—Dec. 25; 8 A.M. to 3:30 P.M. Dense fog all forenoon, afternoon clear; slight northwest breeze; temp. at start 41°, at return 52°. About 10 miles on foot. Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 2; Black Duck, 30; Blue-winged Teal, 3; Canvas-back, 14; Buffle-head, 4; Turkey Vulture, 15; Black Vulture, 14; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Flicker, 8; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Phoebe, 2; Blue Jay, 22; Crow, 11; Chickadee, 15; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 3; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 8; Short-billed Marsh Wren, 1; Mockingbird, 4; Brown Thrasher, 2; Robin, 3; Hermit Thrush, 6; Bluebird, 5; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 5; Shrike, 1; Starling, 3; Orange-crowned Warbler, 4; Myrtle Warbler, 2; Pine Warbler, 18; English Sparrow, 26; Meadowlark, 29; Rusty Blackbird, 150 (est.); Cardinal, 9; Purple Finch, 3; Goldfinch, 7; Red-eyed Towhee, 12; Leconte's Sparrow, 1; Henslow's Sparrow, 3; Junco, 350 (est.); Chipping Sparrow, 100 (est.); Field Sparrow, 150 (est.); White-throated Sparrow, 250 (est.); Swamp Sparrow, 175 (est.); Song Sparrow, 350 (est.). Total, 56 species, about 1860 individuals. Conspicuous by their absence were the large numbers of Robins that wintered in this area last year.—WILLIAM W. NEELY.

Okefenokee Wildlife Refuge, Fargo, Ga. (Lem Griffith's Fishing Camp on Suwannee River, the Pocket, Jones Island, Billy's Lake, Billy's Island, Minnie's Lake, Floyd's Island Prairie, Big Water, and return to camp).—Dec. 21; 6 A.M.

to 6 P.M. Clear; very light wind; temp. about 35° at start, warmer on return. About 15 miles in car, on foot, and in boats. Pied-billed Grebe, 2; Ward's Heron, 1; American Egret, 1; Mallard, 50; Black Duck, 100; Pintail, 50; Green-winged Teal, 5; Wood Duck, 20; Turkey Vulture, 2; Red-shouldered Hawk, 1; Florida Crane, 6; Mourning Dove, 7; Barred Owl, 1; Kingfisher, 2; Flicker, 1; Pileated Woodpecker, 3; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 1; Phoebe, 10; Brown Creeper, 1; House Wren, 1; Florida Wren, 1; Mockingbird, 4; Catbird, 1; Brown Thrasher, 2; Robin, 12; Hermit Thrush, 1; Bluebird, 1; Ruby-crowned Kinglet, 2; Myrtle Warbler, 13; Yellow Palm Warbler, 4; Yellow-throat (subsp.), 1; Meadowlark, 3; Red-wing, 30; Grackle (subsp.), 1; Towhee (subsp.), 2; Song Sparrow, 1. Total, 37 species, about 342 individuals.—EARLE R. GREENE.

Shenwood Plantation (Grady Co.), Ga.—Dec. 26; 6:45 A.M. to 5:30 P.M. Partly cloudy; wind variable, very light; temp. 54° at start, 66° at return. On foot within 1500-acre area of upland field, old field, pineland and mixed hardwoods with two small ponds. Common Mallard, 6; Ring-necked Duck, 23; Turkey Vulture, 10; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Sparrow Hawk, 2; Bob-white, 80 (partly est., 6 coveys); Mourning Dove, 184 (partly est.); Great Horned Owl, 2 (heard); Barred Owl, 2 (heard); Flicker, 30; Pileated Woodpecker, 10; Red-bellied Woodpecker, 33; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 5; Red-cockaded Woodpecker, 4; Phoebe, 11; Blue Jay, 9; Crow, 19; Chickadee, 5; Tufted Titmouse, 15; White-breasted Nuthatch, 5; Brown-headed Nuthatch, 9; Brown Creeper, 3; House Wren, 4; Carolina Wren, 8; Mockingbird, 10; Catbird, 2; Brown Thrasher, 8; Robin, 369 (partly est.); Hermit Thrush, 18; Bluebird, 37; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 9; American Pipit, 250 (partly est.); Cedar Waxwing, 6; Loggerhead Shrike, 2; White-eyed Vireo, 3; Blue-headed Vireo, 3; Black and White Warbler, 4; Orange-crowned Warbler, 1; Myrtle Warbler, 83 (partly est.); Yellow-throated Warbler, 1; Pine Warbler, 187 (partly est.); Western Palm Warbler, 22; Yellow Palm Warbler, 3 (only recognizable extremes listed as this race); Yellow-throat, 6; Red-wing, 56 (partly est.); Rusty Blackbird, 137 (partly est.); Cardinal, 18; Goldfinch, 11; Towhee, 16; Savannah Sparrow, 1; Vesper Sparrow, 3; Bachman's Sparrow, 2; Junco, 1; Chipping Sparrow, 424 (partly est.); Field Sparrow, 5; Fox Sparrow, 1; Swamp Sparrow, 3; White-throated Sparrow, 66; Song Sparrow, 3. Total, 64 species, about 2103 individuals. Oven-bird (1) and Purple Finch (3) observed within the week.—HERBERT L. STODDARD.

Collier City, Fla.—Dec. 22; 4:30 A.M. to 6:30 P.M. Early morning overcast, slight drizzle, with light northeast wind shifting to strong southerlies before noon; remainder of day proved clear; temp. 56° at start, 63° at return. Area worked, with Goodland Point as center, included Royal Palm Hammock, a stretch along the Tamiami Trail, Coon Key Shoals, Marco, Rockefeller Beach, and Caxambas. About 35 miles in speedboat, 20 miles

in car, and 24 miles afoot; total, 79 miles of ground covered. Pied-billed Grebe, 7; Brown Pelican, 78; Cormorant, 76; Water-Turkey, 4; Man-o'-war Bird, 2; Ward's Heron, 20; American Egret, 106; Snowy Egret, 29; Louisiana Heron, 76; Little Blue Heron, 94; Green Heron, 7; Black-crowned Night Heron, 23; Yellow-crowned Night Heron, 1; American Bittern, 3; Wood Ibis, 62; White Ibis, 53; Roseate Spoonbill, 1; Florida Duck, 4; Blue-winged Teal, 12; Lesser Scaup, 861; Red-breasted Merganser, 1; Turkey Vulture, 47; Black Vulture, 20; Sharp-shinned Hawk, 1; Insular Red-shouldered Hawk, 18; Broad-winged Hawk, 1; Short-tailed Hawk, 1 (black phase); Bald Eagle, 5; Marsh Hawk, 9; Osprey, 7; Sparrow Hawk, 3; King Rail, 2; Clapper Rail, 7; Virginia Rail, 1; Sora, 1; Florida Gallinule, 3; American Oyster-catcher, 2; Semipalmated Plover, 75; Wilson's Plover, 23; Killdeer, 39; Black-bellied Plover, 72; Ruddy Turnstone, 5; Wilson's Snipe, 2; Spotted Sandpiper, 3; Greater Yellow-legs, 1; Knot, 35; Pectoral Sandpiper, 9; Least Sandpiper, 2; Red-backed Sandpiper, 4; Dowitcher, 3; Semipalmated Sandpiper, 33; Western Sandpiper, 7; Sanderling, 45; Herring Gull, 9; Ring-billed Gull, 7; Laughing Gull, 15; Bonaparte's Gull, 2; Roseate Tern, 3; Least Tern, 6; Royal Tern, 65; Cabot's Tern, 1; Caspian Tern, 4; Black Skimmer, 115; Mourning Dove, 35; Ground Dove, 3; Barred Owl, 11; Whip-poor-will, 1; Belted Kingfisher, 22; Flicker, 8; Pileated Woodpecker, 1; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 2; Crested Flycatcher, 5; Phoebe, 15; Tree Swallow, 385; Blue Jay, 2; Crow, 15; Fish Crow, 1; House Wren, 4; Long-billed Marsh Wren, 3; Mockingbird, 31; Catbird, 12; Blue-gray Gnatcatcher, 16; Loggerhead Shrike, 8; White-eyed Vireo, 1; Myrtle Warbler, 58; Prairie Warbler, 1; Palm Warbler, 194; Yellow Palm Warbler, 2; Oven-bird, 1; Yellow-throat, 4; Red-winged Blackbird, 3; Boat-tailed Grackle, 76; Florida Grackle, 65; Cardinal, 3; Goldfinch, 15; Red-eyed Towhee, 2; White-eyed Towhee, 5; Savannah Sparrow, 6; Field Sparrow, 5; Swamp Sparrow, 4. Total, 101 species, 3264 individuals.—EDWARD J. REIMANN, Audubon Warden, Southwest Florida Coast.

Sanford (Seminole Co.), Fla. (from Sanford to western shore of Lake Harney, including parts of St. Johns River and Lake Jessup marshes, exactly same area as census of past three years).—Dec. 25; 7 A.M. to 6 P.M. Clear to cloudy, with rain after 3 P.M.; wind southeast to southwest, light to strong; temp. 62° at start, 65° at return. Approximately 75 miles total on foot, 180 miles by cars. Observers hunting as 6 parties. Common Loon, 1; Pied-billed Grebe, 15; Cormorant, 5; Water-Turkey, 2; Ward's Heron, 7; American Egret, 28; Snowy Egret, 11; Louisiana Heron, 30; Little Blue Heron, 32; Green Heron, 1; Black-crowned Night Heron, 1; American Bittern, 2; White Ibis, 7; Mallard, 1; Red-legged Black Duck, 2; Florida Duck, 6; Baldpate, 5; Pintail, 2; Green-winged Teal, 1; Blue-winged Teal, 35; Shoveller, 11; Ring-necked Duck, 14; Scaup, 62; Buffle-head, 1; Turkey Vulture, 90; Black Vulture, 157; Sharp-shinned Hawk, 5; Cooper's Hawk, 4; Red-tailed Hawk, 4; Red-shouldered Hawk, 6; Broad-winged Hawk, 1; Bald Eagle, 5; Marsh Hawk, 11; Spar-

row Hawk, 27; Bob-white, 86; King Rail, 3; Sora, 1; Florida Gallinule, 2; Coot, 45; Killdeer, 128; Wilson's Snipe, 102; Greater Yellow-legs, 2; Lesser Yellow-legs, 4; Least Sandpiper, 10; Red-backed Sandpiper, 2; Herring Gull, 1; Ring-billed Gull, 20; Laughing Gull, 1; Caspian Tern, 1; Mourning Dove, 26; Ground Dove, 28; Great Horned Owl, 1; Barred Owl, 1; Kingfisher, 11; Flicker, 15; Pileated Woodpecker, 3; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 11; Red-cockaded Woodpecker, 2; Crested Flycatcher, 1 (unusual record as usually restricted to South Florida in winter; located first by call, then closely observed—Higgs); Phoebe, 96; Tree Swallow, 900; Blue Jay, 13; Florida Crow, 44; Fish Crow, 584; Chickadee, 1; Tufted Titmouse, 37; Gray-headed Nuthatch, 13; House Wren, 46; Florida Wren, 13; Prairie Marsh Wren, 1; Mockingbird, 113; Catbird, 7; Brown Thrasher, 5; Robin, 120; Hermit Thrush, 5; Bluebird, 43; Blue-gray Gnatcatcher, 65; Ruby-crowned Kinglet, 71; American Pipit, 18; Loggerhead Shrike, 104; White-eyed Vireo, 11; Solitary Vireo, 2; Black and White Warbler, 6; Orange-crowned Warbler, 6; Myrtle Warbler, 640; Yellow-throated Warbler, 16; Pine Warbler, 41; Prairie Warbler, 2; Western Palm Warbler, 227; Yellow Palm Warbler, 7; Oven-bird, 3; Yellow-throat, 29; House Sparrow, 64; Meadowlark, 61; Red-winged Blackbird, 669; Boat-tailed Grackle, 537; Florida Grackle, 235; Cowbird, 7; Cardinal, 79; Goldfinch, 118; Red-eyed Towhee, 5; White-eyed Towhee, 67 (some of these may have been Red-eyed); Savannah Sparrow, 21; Grasshopper Sparrow, 1; Henslow's Sparrow, 2; Vesper Sparrow, 6; Pine-woods Sparrow, 6; Chipping Sparrow, 92; Swamp Sparrow, 14; Song Sparrow, 2. Total, 114 species, about 6400 individuals. List of shorebirds and Ducks limited this year because of high water from heavy early winter rains.—JESSIE H. MASON, BYRL HIGGS, W. W. GOETSCH, JR., JOHN J. ROCCO, C. RUSSELL MASON, EDMUND B. STOWE, WALTER J. WARD, RICHARD S. MASON, JOHN DIGHTON, SAM DIGHTON, JR., HARRY BROWNLEE, HERMAN E. MORRIS, JAMES L. RUSSELL, ARTHUR BRANAN, JR., ERNEST SOUTHWARD, WILLIAM S. MASON, M. J. WESTFALL, JR., HUGO H. SCHRODER, ALPHONSE CHABLE, BERT SCHULZ, HARRIET M. FLITCRAFT.

Daytona Beach, Fla. (Daytona Beach to Inlet and 7 miles inland).—Dec. 25; 7:30 A.M. to 12 M.; 2 P.M. to 5:30 P.M. Calm; temp. 60° at start, 76° at return. About 80 miles by car and foot. Observers together. Horned Grebe, 1; Pied-billed Grebe, 3; Brown Pelican, 100; Gannet, 10; (Florida?) Cormorant, 100; Ward's Heron, 5; American Egret, 2; Snowy Egret, 2; Louisiana Heron, 2; Little Blue Heron, 4; Black-crowned Night Heron, 4; Ring-necked Duck, 4; Lesser Scaup, 100; Red-breasted Merganser, 1; Turkey Vulture, 9; Black Vulture, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 6; Clapper Rail, 1; Killdeer, 4; Black-bellied Plover, 4; Ruddy Turnstone, 10; Spotted Sandpiper, 1; Sanderling, 125; Herring Gull, 50; Ring-billed Gull, 100; Laughing Gull, 2; Bonaparte's Gull, 10; (Common?) Tern, 10; Royal Tern, 10; Black Skimmer, 300; Mourning Dove, 11;

Ground Dove, 2; Barred Owl, 1; Belted Kingfisher, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Phoebe, 7; Blue Jay, 5; Florida Jay, 6; Florida Crow, 4; Fish Crow, 100; Florida Chickadee, 1; Tufted Titmouse, 2; House Wren, 2; Florida Wren, 5; Mockingbird, 65; Catbird, 6; Brown Thrasher, 2; Hermit Thrush, 1; Bluebird, 7; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 3; White-eyed Vireo, 1; Myrtle Warbler, 100; Yellow-throated Warbler, 2; Palm Warbler, 5; Meadowlark, 6; Red-wing, 3; Cardinal, 5; Goldfinch, 100; Towhee, 15; Savannah Sparrow, 30. Total, 66 species, 1495 individuals (not including many flocks of water-birds on outer bars).—ALDEN H. HADLEY, R. J. LONGSTREET.

Merritt's Island, Fla. (from Titusville Bridge to Atlantic Ocean, north to Mosquito Lagoon and Haulover Canal road; mainland west and south-west of Titusville).—Dec. 21; 6:30 A.M. to 6 P.M. Weather clear; wind light in early hours and brisk northerly rest of day; temp. 45° at start, 56° at return. About 8 miles on foot, auto between points. Observers together most of the time. Loon, 4; Horned Grebe, 4; Pied-billed Grebe, 9; Brown Pelican, 150; Cormorant, 50; Ward's Heron, 10; American Egret, 110; Snowy Egret, 5; Louisiana Heron, 42; Little Blue Heron, 41; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 1; American Bittern, 1; Mallard, 5; Red-legged Black Duck, 4; Florida Duck, 2; Gadwall, 3; Baldpate, 80; Pintail, 100; Green-winged Teal, 6; Blue-winged Teal, 85; Shoveller, 33; Ring-necked Duck, 20; Greater and Lesser Scaup, 2500; Ruddy Duck, 1; Red-breasted Merganser, 3; Turkey Vulture, 24; Black Vulture, 6; Red-shouldered Hawk, 3; Broad-winged Hawk, 1; Bald Eagle, 6; Marsh Hawk, 11; Pigeon Hawk, 1; Sparrow Hawk, 4; Clapper Rail, 4; Florida Gallinule, 2; Semipalmated Plover, 14; Killdeer, 8; Black-bellied Plover, 7; Turnstone, 18; Wilson's Snipe, 3; Greater Yellow-legs, 5; Lesser Yellow-legs, 22; Knot, 24; Least Sandpiper, 36; Red-backed Sandpiper, 125; Semipalmated Sandpiper, 29; Western Sandpiper, 2; Sanderling, 19; Herring Gull, 6; Ring-billed Gull, 100; Laughing Gull, 9; Bonaparte's Gull, 4; Common Tern, 5; Royal and Caspian Tern, 42; Skimmer, 2; Ground Dove, 8; Barred Owl, 1; Kingfisher, 16; Flicker, 4; Red-bellied Woodpecker, 5; Hairy Woodpecker, 1; Phoebe, 4; Tree Swallow, 8; Blue Jay, 2; Florida Jay, 1; Crow and Fish Crow, 250; Gray-headed Nuthatch, 3; House Wren, 6; Florida Wren, 6; Short-billed Marsh Wren, 1; Mockingbird, 45; Catbird, 10; Brown Thrasher, 1; Robin, 47; Gnatcatcher, 6; Ruby-crowned Kinglet, 4; Pipit, 4; Shrike, 5; Myrtle Warbler, 120; Yellow-throated Warbler, 2; Pine Warbler, 2; Prairie Warbler, 1; Palm and Yellow Palm Warblers, 80; Yellow-throat, 8; English Sparrow, 12; Meadowlark, 1; Red-wing, 700; Boat-tailed Grackle, 150; Florida Grackle, 55; Cardinal, 7; Goldfinch, 6; Red-eyed and White-eyed Towhees, 50; Savannah Sparrow, 3; Sharp-tailed Sparrow, 3; Dusky Seaside Sparrow, 3; Pine-woods Sparrow, 2; Swamp Sparrow, 1. Total, 103 species, about 5453 individuals. Brisk wind kept many small birds from being seen.—M. J. WESTFALL, JR., HUGO H. SCHRODER.

Pensacola, Fla.—Dec. 26; 7:15 A.M. to 1:30 P.M.; 3 to 5:45 P.M. Clear; light wind from southeast; temp. 58° at start, 71° max., 64° at return. About 90 miles by car and 5 miles on foot; woods, fields, fresh-water swamp, bay shore, and Gulf beach, all within 15-mile diameter, and the same territory covered in 1933-36. Observers in 2 parties in A.M., together in P.M. Common Loon, 11; Horned Grebe, 68 (including a flock of 60); Pied-billed Grebe, 1; Brown Pelican, 26; Double-crested Cormorant, 8; Great Blue Heron, 2; Lesser Scaup, 98; Ring-necked Duck, 1; Canvas-back, 39 (1 flock); American Golden-eye, 4; Buffle-head, 1; Hooded Merganser, 4; Red-breasted Merganser, 9; Turkey Vulture, 3; Black Vulture, 27; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 6; Killdeer, 20; Black-bellied Plover, 17; Wilson's Snipe, 3; Spotted Sandpiper (very rare in winter), 1; Red-backed Sandpiper, 5; Sanderling, 79; Herring Gull, 48; Ring-billed Gull, 28; Laughing Gull, 26; Bonaparte's Gull, 4; Royal Tern, 1; Belted Kingfisher, 2; Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 2; Phoebe, 9; Blue Jay, 29; Fish Crow, 11; Carolina Chickadee, 10; Tufted Titmouse, 11; Brown-headed Nuthatch, 4; House Wren, 8; Carolina Wren, 4; Long-billed Marsh Wren, 1; Mockingbird, 36; Brown Thrasher, 9; Robin, 51; Hermit Thrush, 4; Bluebird, 22; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 39; American Pipit, 1; Loggerhead Shrike, 18; Cedar Waxwing, 110; Starling, 9; White-eyed Vireo (very rare in winter), 1 (identified by song only); Blue-headed Vireo, 2; Black and White Warbler (very rare in winter), 1; Orange-crowned Warbler, 3; Myrtle Warbler, 144; Yellow-throated Warbler, 1; Pine Warbler, 32; Palm Warbler, 104; Southern Yellow-throat, 5; Meadowlark, 13; Red-wing, 59 (includes 1 flock of 40); Cardinal, 10; Goldfinch, 60; Towhee, 16; Savannah Sparrow, 12; Vesper Sparrow, 15; Chipping Sparrow, 77 (includes flock of 70 est.); Field Sparrow, 39; White-throated Sparrow, 28; Swamp Sparrow, 4; Song Sparrow (rare in this region), 2. Total, 81 species, about 1585 individuals. Persistent search by all observers failed to reveal Bald Eagle, Bob-white, Piping Plover, Snowy Plover, Black Skimmer, Mourning Dove, Red-cockaded Woodpecker, and Bachman's Sparrow—all typical of the region covered.—A. F. WICKER, JR., FRANK BRAY, ROBERT C. McCLANAHAN, FRANCIS M. WESTON.

St. Petersburg, Fla. (Pinellas Co. south of Largo).—Dec. 26; 7:30 A.M. to 5:30 P.M. Clear; temp. 50° at start, 60° at return. About 237 miles in cars, 11 miles afoot. Observers in 8 different groups. Pied-billed Grebe, 8; Brown Pelican, 448; Double-crested Cormorant, 406; Anhinga, 8; Great Blue Heron, 37; American Egret, 59; Snowy Egret, 32; Louisiana Heron, 17; Little Blue Heron, 47; Green Heron, 2; Black-crowned Night Heron, 6; Yellow-crowned Night Heron, 12; Wood Ibis, 3; White Ibis, 10; Lesser Scaup, 1388; Red-breasted Merganser, 297; Turkey Vulture, 195; Black Vulture, 116; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered

Hawk, 5; Broad-winged Hawk, 1; Bald Eagle, 18; Marsh Hawk, 9; Osprey, 1; Sparrow Hawk, 31; Bob-white, 41; Florida Clapper Rail, 5; Florida Gallinule, 7; Coot, 15; Oyster-catcher, 2; Semipalmated Plover, 10; Wilson's Plover, 1; Killdeer, 47; Black-bellied Plover, 10; Ruddy Turnstone, 55; Solitary Sandpiper, 2; Eastern Willet, 50; Knot, 50; Red-backed Sandpiper, 5; Eastern Dowitcher, 80; Semipalmated Sandpiper, 20; Sanderling, 33; Herring Gull, 140; Ring-billed Gull, 580; Laughing Gull, 112; Bonaparte's Gull, 1; Forster's Tern, 7; Common Tern, 3; Royal Tern, 259; Cabot's Tern, 10; Black Skimmer, 395; Mourning Dove, 137; Ground Dove, 46; Kingfisher, 31; Flicker, 44; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 1; Gray Kingbird, 1; Phoebe, 38 (Mrs. Thomas, Robinson); Tree Swallow, 232; Blue Jay, 44; Chickadee, 7; Tufted Titmouse, 8; Gray-headed Nuthatch, 13; House Wren, 14; Bewick's Wren, 1; Florida Wren, 5; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 2; Mockingbird, 284; Catbird, 13; Brown Thrasher, 9; Robin, 28; Bluebird, 56; Blue-gray Gnatcatcher, 8; Ruby-crowned Kinglet, 5; Loggerhead Shrike, 57; Blue-headed Vireo, 9; Black and White Warbler, 1; Magnolia Warbler, 8; Black-throated Blue Warbler, 1 (Robinson); Myrtle Warbler, 594 (Robinson); Yellow-throated Warbler, 2; Pine Warbler, 14; Prairie Warbler, 1; Western Palm Warbler, 122; Yellow Palm Warbler, 28; Yellow-throat, 14; English Sparrow, 48; Meadowlark, 131; Red-wing, 338; Boat-tailed Grackle, 211; Cardinal, 29; Goldfinch, 108; Red-eyed Towhee, 24; White-eyed Towhee, 8; Savannah Sparrow, 34; Grasshopper Sparrow, 1; Sharp-tailed Sparrow, 11; Scott's Seaside Sparrow, 1; Pine-woods Sparrow, 1; Swamp Sparrow, 10; Song Sparrow, 8. Total, 106 species and subspecies, 7964 individuals.—MAJOR G. D. ROBINSON, MRS. CLARA I. THOMAS, FRANK SMITH, WILLIAM G. FARGO, MRS. HOWARD D. POMEROY, MISS ELMORA ARMSTRONG, MISS MARIE G. WILLSON, MRS. LUCY STOCK CHAPIN, MRS. DAISIE M. MORRISON.

Ashtabula, Ohio.—Dec. 23; 7:30 A.M. to 5:30 P.M. Ground one-third covered with snow, following heavy thaw of the previous day; temp. 28° to 40°. Lake Erie free of ice except for a few feet of shelf-ice along the shore. In contrast to other years, only a few water-birds were concentrated in the warm waters discharged by the Cleveland Illuminating Company. Covered the Lake Erie shore from Ashtabula to Conneaut (13 miles) and most of the lake plain (from shore inland 4 miles). About 62 miles by auto, 19 miles on foot. Observers together for water-bird enumeration, separate for land-bird count. Horned Grebe, 1; Mallard, 8; Black Duck, 34; Ring-necked Duck, 1; Lesser Scaup, 29; American Golden-eye, 61; Buffle-head, 2; Old-squaw, 1; White-winged Scoter, 4; Ruddy Duck, 1; Hooded Merganser, 1; American Merganser, 11; Red-breasted Merganser, 183; Cooper's Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 5; Bob-white, 31 (3 coveys); Pheasant, 1 (tracks); Coot, 3; Great Black-backed Gull, 2; Glaucous Gull, 1; Ring-billed Gull, 55; Herring Gull, 559; Bonaparte's Gull, 612; Screech Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Hairy

Woodpecker, 8; Downy Woodpecker, 16; Prairie Horned Lark, 4; Blue Jay, 16; Crow, 2; Black-capped Chickadee, 49; Tufted Titmouse, 8; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 6; Starling, 93; English Sparrow, 185; Cardinal, 36; Goldfinch, 4; Slate-colored Junco, 11; Tree Sparrow, 198; Song Sparrow, 2. Total, 45 species, 2259 individuals. Note the scarcity of Hawks, Crows, Titmice and Horned Larks and the absence of Doves, Flickers, Wrens, Waxwings, Blackbirds, Thrushes, and Northern Finches.—LAWRENCE E. HICKS, DALE JENKINS, DANIEL L. LEBDY.

Buckeye Lake, Ohio.—Dec. 26; daylight to dark. Weather conditions almost ideal; fair; ground frozen in A.M., thawing in P.M.; lake open over a large area at west end, frozen elsewhere; wind south, light, 5 to 11 m.p.h.; temp. 26° to 42°. Four parties of 4, 4, 5, and 5 observers, working same territory as on past three years. Mallard, 45; Black Duck, 1017; Gadwall, 1; Baldpate, 1; Pintail, 10; Green-winged Teal, 1; Canvas-back, 3; Lesser Scaup, 4; Golden-eye, 13; Buffle-head, 1; Hooded Merganser, 1; American Merganser, 51; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Rough-legged Hawk, 5; Marsh Hawk, 10; Pigeon Hawk, 1 (L. E. H.); Sparrow Hawk, 39; Bob-white, 129 (12 coveys); Pheasant, 3; Coot, 4; Iceland Gull, 1 (M. B. T., H. F., R. W. F., W. A. T.); Herring Gull, 21; Ring-billed Gull, 2; Mourning Dove, 98; Barn Owl, 1; Screech Owl, 15; Short-eared Owl, 10; Kingfisher, 1; Flicker, 48; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 88; Hairy Woodpecker, 34; Downy Woodpecker, 107; Horned Lark, 29; Blue Jay, 24; Crow, 182; Carolina Chickadee, 96; Tufted Titmouse, 151; White-breasted Nuthatch, 104; Red-breasted Nuthatch, 7; Brown Creeper, 32; Winter Wren, 2; Carolina Wren, 9; Robin, 31; Hermit Thrush, 1; Bluebird, 11; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 1 (E. S. T., J. S. T.); Cedar Waxwing, 3; Starling, 549; English Sparrow, 707; Meadowlark, 84; Red-wing, 142; Rusty Blackbird, 9; Bronzed Grackle, 4; Cowbird, 3; Cardinal, 186; Goldfinch, 23; Towhee, 10; Junco, 29; Tree Sparrow, 1009; Swamp Sparrow, 2; Song Sparrow, 229; Snow Bunting, 2. Total, 68 species, 5906 individuals. The Iceland Gull was seen by 4 observers at close range in a good light. White primaries, buffy plumage, medium size, and relatively small bill noted.—DONALD J. BORROR, FLOYD B. CHAPMAN, HARRY FABERT, ROSCOE W. FRANKS, ROBERT M. GEIST, JOHN C. HARLOR, LAWRENCE E. HICKS, DALE W. JENKINS, GENE REA, DONALD M. SMITH, EDWARD S. THOMAS, JOHN S. THOMAS, MILTON B. TRAUTMAN, WALTER A. TUCKER, CHARLES F. WALKER, GEORGE WOLFRAM, members of Wheaton Club; and guests, DANIEL J. LEBDY, WILLIAM J. TAYLOR.

Cadiz, Ohio.—Dec. 26; 8.30 A.M. to 12.30 P.M., and 2.30 P.M. to 4.30 P.M. Clear; ground bare; wind west, light; temp. 26° to 41°. Bob-white, 5; Sparrow Hawk, 1; Flicker, 3; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 3; Prairie Horned Lark, 2; Blue Jay, 3; Crow, 6; Chickadee, 29; Tufted Tit-

mouse, 19; White-breasted Nuthatch, 15; Carolina Wren, 4; Bluebird, 1; Starling, 145; English Sparrow, 50; Red-wing, 3; Cardinal, 21; Goldfinch, 2; Junco, 11; Tree Sparrow, 23; White-throated Sparrow (heard), 1; Song Sparrow, 11. Total, 23 species, 373 individuals.—HARRY B. MCCONNELL, JOHN G. WORLEY, MILTON RONSHIM, MILTON MCCONNELL RONSHIM, ROBERT PATTERSON, GEORGE BIER, JOHN C. WORLEY.

Cambridge, Ohio.—Dec. 25; 10 A.M. to 4 P.M. Sky heavily overcast; ground bare, thawed; streams open, some ice on ponds; wind north, light; temp. 40° at 10 A.M., 36° at 4 P.M. On foot, 8 miles north from Cambridge, covering the Wills Creek Valley and adjacent wooded hills and fields. Mallard, 6; Marsh Hawk, 1; Downy Woodpecker, 6; Blue Jay, 1; Crow, 6; Carolina Chickadee, 14; Tufted Titmouse, 10; Starling, 8; English Sparrow, 88; Bronzed Grackle, 1; Cardinal, 1; Junco, 9; Tree Sparrow, 7; Song Sparrow, 6. Total, 14 species, 164 individuals.—ELLIS H. SHIMP.

Canton, Ohio (7½-mile radius).—Dec. 26; 6.30 A.M. to 5.30 P.M. Clear; ground bare; wind west to southwest, light; temp. 26° at start, 32° at return. About 140 miles by auto, 56 on foot. Observers in 7 groups. Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 15; Bob-white, 37 (5 coveys); Ring-necked Pheasant, 1; Herring Gull, 2; Screech Owl, 1; Flicker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 26; Horned Lark, 18; Blue Jay, 10; Crow, 2500; Black-capped Chickadee, 32; Tufted Titmouse, 36; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 2; Brown Creeper, 1; Bluebird, 4; Golden-crowned Kinglet, 1; Starling, 140; Cardinal, 48; Goldfinch, 2; Slate-colored Junco, 55; Song Sparrow, 32; Tree Sparrow, 392. Total, 27 species, 3394 individuals. The Crows were counted again this year as they left a roost at dawn.—DON M. BROWN, L. L. BOWMAN, C. R. BRUSH, W. F. DAVIS, GEORGE NIEPORT, HOWARD BRAUN, GROVER KEPLINGER, JR., MR. and MRS. D. R. PRATT, JUDGE and MRS. J. L. FLOYD, CHARLES M. and ROBERT BALL, members of Neo-Naturalist Society.

Cleveland, Ohio (region east of city along Lake Erie from mouth of Chagrin to mouth of Grand River, and inland to Gates Mills on west, to Little Mountain on east).—Dec. 20; 9 A.M. to 4 P.M. Cloudy; light snowfall all day, 2 to 5-in. snow on ground; light to moderate west wind; temp. 26° min., 32° max. There were 22 observers (Cleveland Bird Club) in 6 parties so spaced as to cover as effectively as possible an area 15 miles in diameter. Combined mileage, 110 by auto, 38 on foot. Lesser Scaup, 17; American Golden-eye, 25; Buffle-head, 2; Hooded Merganser, 1; Red-breasted Merganser, 2; American Merganser, 152; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 2; Bob-white, 94; Ring-necked Pheasant, 2; Herring Gull, 70; Ring-billed Gull, 72; Bonaparte's Gull, 1050; Barred Owl, 2; Flicker, 2; Pileated Woodpecker, 4; Red-bellied Woodpecker, 3; Hairy Woodpecker, 16; Downy Woodpecker, 33; Horned Lark, 2; Blue Jay, 57; Black-capped Chickadee, 118; Tufted Titmouse, 64; White-breasted Nuthatch, 52; Red-breasted

Nuthatch, 38; Brown Creeper, 1; Golden-crowned Kinglet, 6; Cedar Waxwing, 85; Starling, 33; English Sparrow, 27; Cardinal, 51; Goldfinch, 15; Slate-colored Junco, 141; Tree Sparrow, 298; Song Sparrow, 4; Snow Bunting, 7. Total, 38 species, 2553 individuals.—JOHN W. ALDRICH, DAVID BLYTHE, B. P. BOLE, JR., VERA CARROTHERS, M. I. FREEMAN, ARTHUR B. FULLER, ISABELLE HELLWIG, R. A. HUGGINS, MRS. R. A. HUGGINS, SCOTT R. INKLEY, C. H. KNIGHT, FRANCIS MANDELZWEIG, PHILIP N. MOULTROP, RALPH A. O'BRIEN, JR., C. M. SHIPMAN, MRS. M. B. SKAGGS, J. PAUL VISSCHER, MRS. J. PAUL VISSCHER, M. B. WALTERS, I. R. WATTS, AMOS M. WHITE, ARTHUR B. WILLIAMS.

Dayton, Ohio (Patterson Field, Woodland Cemetery, Island Park, College Hill, Lexington Road, Sinclair Park, Riverside Drive, Glenside, Memorial Park Cemetery, Englewood Dam and Taylorville Dam).—Dec. 26. Clear; calm; ground bare, thawing toward noon; rivers open, lakes icebound; temp. 24° to 39°. Eight groups, each in field from 3 to 10 hours. Total mileage, on foot about 47, in cars about 25. Great Blue Heron, 2; Mallard, 700+; Black Duck, 550; Baldpate, 2; American Golden-eye, 12; Green-winged Teal, 1; American Merganser, 2; Cooper's Hawk, 1; (Red-shouldered?) Hawk, 1; (Rough-legged?) Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 104 (7 coveys); Ring-necked Pheasant, 35; Killdeer, 1; Herring Gull, 7; (Ring-billed?) Gull, 4; Flicker, 7; Red-bellied Woodpecker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 41; Horned Lark, 2; Blue Jay, 22; Crow, 473+; Carolina Chickadee, 52; Tufted Titmouse, 64; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 22; Carolina Wren, 9; Brown Thrasher, 1 (Mrs. J. R. Lehman); Bluebird, 4; Robin, 3; Golden-crowned Kinglet, 9; Starling, 3000+; English Sparrow, 150+; Meadowlark, 2; Grackle, 5; Red-wing, 1; Cardinal, 96; Goldfinch, 7; Towhee, 3; Junco, 108; Tree Sparrow, 227; Swamp Sparrow, 5 (Kalter and Burr); Song Sparrow, 97. Total, 43 (+ 3 questionable) species, 5853 (est.) individuals.—MRS. J. A. TYRAND, RUTH CLARK, JOHN PICKEN, MRS. FLORA PICKEN, MRS. JOHN R. LEHMAN, MRS. PAUL WARTMAN, MRS. MARSH, CARRIE FAULKNER, ELIZABETH HIBBARD, MR. and MRS. D. L. SOLLENBERGER, LOUIS B. KALTER, IRVING W. BURR and BEN J. BLINCOE, members of Dayton Audubon Society.

Hamilton, Ohio.—Dec. 26; 9 A.M. to 4.30 P.M. Clear; visibility good; ground bare; wind light, south; temp. 18° at start, 38° at return. Beautiful day. About 10 miles on foot. Along Miami River, in woods, weedy fields, and meadows. Observer alone. Golden-eye, 46; Scaup, 2; Red-tailed Hawk, 2; Sparrow Hawk, 1; Bob-white, 11; Herring Gull, 5; Ring-billed Gull, 3; Mourning Dove, 4; Flicker, 18; Hairy Woodpecker, 4; Downy Woodpecker, 12; Blue Jay, 18; Crow, 400 (est.); Chickadee, 32; Tufted Titmouse, 24; Brown Creeper, 14; Winter Wren, 2; Carolina Wren, 10; Robin, 3; Bluebird, 11; Golden-crowned Kinglet, 4; Cedar Waxwing, 27; Starling, 4000 (est.); Meadowlark, 8; Bronzed Grackle, 3; Cardinal, 14; Goldfinch, 11; Towhee, 6; Junco, 30; Tree Sparrow, 126; Song Sparrow, 32. Total,

31 species, 5083+ individuals. The Starlings were noted all along the census route and at return were coming in the city by the thousands, to their nightly roosting-place on the city buildings, in company with thousands of English Sparrows.—FRANK HARRBAUM.

Lancaster, Ohio (around the outskirts of Lancaster).—Dec. 26; 7.30 A.M. to 5.30 P.M. Clear; wind west, light; temp. 30° at start, 32° at return. About 10 miles on foot. Observers together. Marsh Hawk, 3; Sparrow Hawk, 5; Bob-white, 37 (3 coveys); Pheasant, 2; Flicker, 23; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 28; Horned Lark, 11; Blue Jay, 45; Crow, 1; Carolina Chickadee, 50; Tufted Titmouse, 54; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 2; Brown Creeper, 3; Carolina Wren, 7; Robin, 263; Hermit Thrush, 3; Bluebird, 25; Golden-crowned Kinglet, 1; Starling, 101; English Sparrow, 126; Red-wing, 2; Cowbird, 9; Cardinal, 45; Goldfinch, 10; Towhee, 3; Slate-colored Junco, 60; Tree Sparrow, 52; White-crowned Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 71. Total, 34 species, 1056 individuals.—DR. CHARLES SHAW, ROBERT GOSLIN, WILLIAM GOSLIN, CHARLES GOSLIN.

Newark, Ohio (covered a 2-mile radius thoroughly; 2 miles on major streams, Racoon Creek, North and South Fork of the Licking River, and the river itself; local parks; major habitat areas within a 5-mile radius).—Dec. 26; observers singly and in groups of 6, 3, 2 at different hours from 6 A.M. to 5.30 P.M., representing 21 group-hours. Clear; wind light, south-southwest; temp. 32° to 40°. About 53 miles by auto, 21 miles on foot. Mallard, 2; Black Duck, 4; Ring-necked Duck, 3; Lesser Scaup, 12; Golden-eye, 2; Hooded Merganser, 3; American Merganser, 7; Cooper's Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 7; Bob-white, 26; Pheasant, 3; Killdeer, 1; Herring Gull, 2; Ring-billed Gull, 1; Mourning Dove, 16; Screech Owl, 3; Barred Owl, 1; Kingfisher, 5; Flicker, 8; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 22; Hairy Woodpecker, 5; Downy Woodpecker, 12; Horned Lark, 8; Blue Jay, 8; Crow, 24; Carolina Chickadee, 23; Tufted Titmouse, 17; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 3; Brown Creeper, 3; Carolina Wren, 3; Robin, 8; Bluebird, 3; Golden-crowned Kinglet, 5; Starling, 95; English Sparrow, 326; Meadowlark, 3; Red-wing, 17; Grackle, 1; Cowbird, 12; Cardinal, 31; Goldfinch, 3; Towhee, 3; Junco, 72; Tree Sparrow, 61; Field Sparrow, 1 (Clausius); Fox Sparrow, 1 (Handel); Song Sparrow, 34. Total, 50 species, 939 individuals.—MRS. W. L. SPERRY, DOROTHY BLINE, LOTUS PATCHER, MARIE GREIDER, PHYLLIS KELLY, HAROLD MESSICK, JAMES SPERRY, JOHN CICUR, GEORGE CARL, and PAUL HANDEL, A. H. CLAUGUS.

Oxford, Ohio (along Four Mile Creek and tributaries and in the village of Oxford).—Dec. 20; 8.30 A.M. to 4.45 P.M. Light snow falling during most of the day; ground firm except in swampy places; wind west, light; temp. 30° at start, 35° at return. About 8 miles on foot, 7 by car. Observers together for half the way. Mal-

lard, 1; Cooper's Hawk, 1; (Red-tailed?) Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Killdeer, 2; Rock Dove, 85; Mourning Dove, 16; Belted Kingfisher, 2; Flicker, 13; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 14; Hairy Woodpecker, 3; Downy Woodpecker, 27; Blue Jay, 26; Crow, 47; Carolina Chickadee, 47; Tufted Titmouse, 14; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 2; Brown Creeper, 8; Carolina Wren, 3; Mockingbird, 2; Robin, 2; Starling, 27; English Sparrow, 82; Cardinal, 46; Goldfinch, 9; Red-eyed Towhee, 19; Slate-colored Junco, 104; Tree Sparrow, 156; Song Sparrow, 48. Total, 32 species, about 830 individuals.—Dr. and Mrs. R. A. HEFNER, Mr. and Mrs. M. W. BOBBEL, W. C. McNELLY, MARGARET YOUNG, DEAN and Mrs. H. C. MINNICH, BETTY RICHARDS, EDNA DRILL.

Portsmouth, Ohio.—Dec. 21; 7 A.M. to 6 P.M. Weather cloudy in morning, clear with a brisk western wind in the afternoon; temp. 32° at start, 42° at close. Walked 8 miles along river banks, through woods and old fields; 50 miles by auto. Observers together. Mallard, 36; Black Duck, 266; American Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 7; Hawk species, 1; Bob-white, 14; Herring Gull, 7; Mourning Dove, 1; Screech Owl, 1; Belted Kingfisher, 2; Flicker, 6; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 16; Prairie Horned Lark, 7; Blue Jay, 4; Crow, 43; Carolina Chickadee, 25; Tufted Titmouse, 21; White-breasted Nuthatch, 8; Brown Creeper, 3; Carolina Wren, 4; Robin, 1; Hermit Thrush, 1; Bluebird, 9; Starling, 230; English Sparrow, 65; Red-wing, 183; Rusty Blackbird, 4; Bronzed Grackle, 14; Cowbird, 87; Cardinal, 22; Purple Finch, 4; Goldfinch, 16; Towhee, 2; Slate-colored Junco, 38; Tree Sparrow, 53; Song Sparrow, 16. Total, 44 species, 1240 individuals.—CONRAD ROTH, FLOYD B. CHAPMAN.

Salem, Ohio (along the Middle Fork of Little Beaver Creek near Salem and from Teagarden to Coleman's; Guilford Lake).—Dec. 25; 8 A.M. to 5:30 P.M. Very cloudy; visibility poor, becoming bad after 3 P.M.; lake frozen, creek free from ice, ground thawed in most places; snow in patches; wind west, very light; temp. 43° at start, 35° at noon, 33° at return. On foot 10 miles, 40 miles by auto. Black Duck, 5 (on ice at lake); Red-shouldered Hawk, 1; Sparrow Hawk, 3; Ring-billed Gull, 1 (on ice at lake); Barn Owl, 1; Flicker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 9; Blue Jay, 4; Crow, 2; Black-capped Chickadee, 3; Tufted Titmouse, 8; White-breasted Nuthatch, 14; Brown Creeper, 1; Golden-crowned Kinglet, 10; English Sparrow, 110 (est.); Starling, 7; Cardinal, 17; Tree Sparrow, 133 (est.); Song Sparrow, 22. Total, 21 species, 358 (est.) individuals. Eleven additional species noted recently. Ruffed Grouse, Bob-white, Red-breasted Nuthatch, Goldfinch, and Slate-colored Junco more common than for several winters. Carolina Wren has re-entered area after being extirpated two years ago.—WILLIAM C. BAKER.

Toledo, Ohio.—December 26; 8:30 A.M. to 5:30 P.M. Clear; streams and lake partly open; no

snow on ground; wind 10 miles per hour, southwest; temp. 24° at start, 30° at close. Territory covered, 10 miles of Ten Mile Creek Valley, 10 miles of Maumee River, and 9 miles of Maumee Bay Shore, all adjoining Toledo. Observers in 5 groups on foot except river and bay trips. Mallard, 2000; Black Duck, 2000; Baldpate, 25; Lesser Scaup, 6; American Golden-eye, 9; American Merganser, 4; Cooper's Hawk, 3; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 4; Bob-white, 61; Ring-necked Pheasant, 100; Herring Gull, 402; Ring-billed Gull, 4; Barred Owl, 1; Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 42; Prairie Horned Lark, 64; Blue Jay, 68; Crow, 31; Black-capped Chickadee, 49; Tufted Titmouse, 47; White-breasted Nuthatch, 18; Brown Creeper, 32; Carolina Wren, 3; Golden-crowned Kinglet, 7; Starling, 202; Red-wing, 2500; Cardinal, 63; Purple Finch, 16; Goldfinch, 32; Pine Siskin, 2; Slate-colored Junco, 90; Tree Sparrow, 381; Swamp Sparrow, 4; Song Sparrow, 16; Lapland Longspur, 200; Snow Bunting, 9. Total, 41 species, 9001 individuals; also English Sparrow, 531.—FRED R. FLICKINGER, LAWRENCE D. HIETT, ERNEST WEAVER, JOHN WEAVER, WILLIAM GAMBLE, REEVE BAILEY, JOE BAILEY, JAMES OLIVER, LOUIS W. CAMPBELL, ROBERT K. LAMPTON, JOE COLLINS, ROBERT BERGMAN, JAMES NESSLE, MAX SHEPHERST, MELVIN EBERLIN, members Toledo Naturalists' Association and guests.

Youngstown, Ohio (Meander, Mill Creek, and Yellow Creek valleys).—Dec. 25; 8 A.M. to 5:30 P.M. Rain in morning but later fair but cloudy, visibility poor; lakes frozen but small areas of open water; wind west, gentle; temp. 38°. Observers in 4 parties. About 27 miles on foot, 50 miles by car. Great Blue Heron, 1; Mallard, 50; Black Duck, 458; Pintail, 2; Green-winged Teal, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 9; Bob-white, 42 (4 coveys); Ring-necked Pheasant, 8; Herring Gull, 1; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 5; Kingfisher, 1; Flicker, 3; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 5; Hairy Woodpecker, 15; Downy Woodpecker, 62; Northern Horned Lark, 4; Prairie Horned Lark, 50; Blue Jay, 71; Crow, 110; Black-capped Chickadee, 153; Titmouse, 86; White-breasted Nuthatch, 104; Red-breasted Nuthatch, 17; Brown Creeper, 4; Robin, 1; Golden-crowned Kinglet, 17; Migrant Shrike, 1; Starling, 265; Rusty Blackbird, 5; Cardinal, 41; Goldfinch, 33; Towhee, 2; Slate-colored Junco, 6; Tree Sparrow, 447; Song Sparrow, 24; Lapland Longspur, 2; Snow Bunting, 11. Total, 47 species, 2142 individuals.—EVAN DRESSER, H. W. WEISGERBER, ELIZABETH NORTHRUP, CHARLES A. LEBDY, PAUL STEWART, LON STRABALA, EDWARD MINICH, VINCENT McLAUGHLIN, ALBERT MOGG, GEORGE MESSERLY, GRANT M. COOK.

French Creek, W. Va.—Dec. 21; one hour before daylight until one hour after dusk. Cloudy, with light snow in morning, clear in afternoon; light southwest wind; temp. at start, 28°, at return, 40°. About 18 miles on foot. Observers in

2 parties. Turkey Vulture, 1; Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 9; Bob-white, 8 (1 covey); Screech Owl, 1; Great Horned Owl, 2; Flicker, 13; Pileated Woodpecker, 5; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 5; Downy Woodpecker, 13; Prairie Horned Lark, 14; Crow, 5; Black-capped Chickadee, 1 (carefully compared with the following); Carolina Chickadee, 80; Tufted Titmouse, 179; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 6 (generally distributed in W. Va. this winter); Winter Wren, 1; Carolina Wren, 9; Robin, 3; Hermit Thrush, 1; Bluebird, 132 (extraordinarily abundant); Golden-crowned Kinglet, 16; Cedar Waxwing, 6; Starling, 26; English Sparrow, 41; Cardinal, 34; Pine Siskin, 2; Goldfinch, 16; Towhee, 11; Junco, 153; Tree Sparrow, 65; Field Sparrow, 4; Swamp Sparrow, 1 (first time on Christmas Census); Song Sparrow, 16. Total, 39 species; 872 individuals.—DOROTHY BROOKS, RUTH BROOKS, MAURICE BROOKS.

Wheeling, W. Va. (Oglebay Park and Cedar Rocks Country Club).—Dec. 26; 9:30 A.M. to 12:30 P.M. and 2 to 5 P.M. Clear and bright; no wind; temp. 33° at start, 38° at return. About 20 miles on foot. Observers divided into 4 groups in morning. Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 35; Prairie Horned Lark, 3; Crow, 91; (Carolina?) Chickadee, 168; Tufted Titmouse, 82; White-breasted Nuthatch, 31; Brown Creeper, 15; Winter Wren, 1; Carolina Wren, 5; Bluebird, 1; Golden-crowned Kinglet, 28; Starling, 5; English Sparrow, 121; Cardinal, 28; Slate-colored Junco, 86; Tree Sparrow, 54; Song Sparrow, 1.—MISSISS CAROLYN and DOROTHY CONRAD, CHARLES CONRAD, HAROLD BERGNER, HAROLD OLSEN, JOHN PATTISON, WALTER AMMON, A. B. BROOKS.

Bowling Green, Ky.—Dec. 20; 7 A.M. to 4:30 P.M. Cloudy; ground bare; wind northwest, brisk; temp. 28° at start, 40° at return. Smith, Covington, and Nye Farms; along Drake's and Jennings creeks; Sally's Rock; an area about 13 miles in diameter. Observers in 3 parties. Black Vulture, 3; Cooper's Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 19 (1 flock of 15); Mourning Dove, 7; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Flicker, 13; Pileated Woodpecker, 8; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 29; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Southern Downy Woodpecker, 22; Prairie Horned Lark, 136; Blue Jay, 60; Crow, 1000; Carolina Chickadee, 116; Tufted Titmouse, 71; White-breasted Nuthatch, 4; Brown Creeper, 1; Bewick's Wren, 3; Carolina Wren, 34; Mockingbird, 5; Robin, 36; Bluebird, 46; Golden-crowned Kinglet, 4; Cedar Waxwing, 130; Starling, 596; Myrtle Warbler, 17; English Sparrow, 430; Meadowlark, 32; Eastern Redwing, 20; Bronzed Grackle, 3; Cardinal, 122; Purple Finch, 136; Goldfinch, 58; Red-eyed Towhee, 46; Slate-colored Junco, 329; Tree Sparrow, 42; Field Sparrow, 79; White-crowned Sparrow, 46; White-throated Sparrow, 22; Fox Sparrow, 6; Swamp Sparrow, 10; Song Sparrow, 50. Total, 48 species, 3876 individuals. Other species known

to be wintering here: Red-tailed Hawk, Killdeer, Migrant Shrike, Red-breasted Nuthatch, Winter Wren, Turkey Vulture.—HEYWARD BROWN, JO ALLEN BRYANT, L. Y. LANCASTER, CHARLES L. TAYLOR, J. R. WHITMER, GORDON WILSON.

Glasgow, Ky. (Starr, Darter, Wininger farms; along Beaver Creek west of Glasgow).—Dec. 23; 7:30 A.M. to 3:15 P.M. Sky cloudy; wind northeast, light; ground bare; temp. 42° at start, 46° at return. On foot about 12 miles. Canada Goose, 40; Turkey Vulture, 2; Black Vulture, 5; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Bob-white, 11; Mourning Dove, 40; Flicker, 13; Pileated Woodpecker, 3; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; Prairie Horned Lark, 55; Blue Jay, 30; Crow, 941; Carolina Chickadee, 56; Tufted Titmouse, 60; Bewick's Wren, 1; Carolina Wren, 21; Mockingbird, 5; Robin, 14; Bluebird, 21; Starling, 28; Myrtle Warbler, 27; Meadowlark, 42; Bronzed Grackle, 5; Cardinal, 49; Goldfinch, 29; Purple Finch, 39; Red-eyed Towhee, 37; Slate-colored Junco, 103; Tree Sparrow, 25; White-crowned Sparrow, 16; White-throated Sparrow, 60; Fox Sparrow, 10; Swamp Sparrow, 6; Song Sparrow, 49. Total, 38 species, 1895 individuals. Also found during Christmas week: Mallard, Marsh Hawk, Sparrow Hawk, Belted Kingfisher, Yellow-bellied Sapsucker, and Brown Creeper.—RUSSELL STARR.

Lexington, Ky.—Dec. 26; 8:20 A.M. to 4 P.M. Clear; no wind; temp. 28° at start, 46° at return. Observers together. By auto 12 miles to 2800-acre farm of W. E. Simms; about the farm on foot. Mallard, 16; Black Vulture, 8; Red-tailed Hawk, 1; Sparrow Hawk, 2; Screech Owl, 1; Flicker, 2; Red-bellied Woodpecker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 4; Crow, 30; Carolina Chickadee, 10; Titmouse, 15; Slate-colored Junco, 1; Carolina Wren, 3; Bluebird, 1; Ruby-crowned Kinglet, 3; Cardinal, 11; White-crowned Sparrow, 5. Total, 21 species, 173 individuals. Hawks are scarce due to lack of field-mice. It appears that the abnormal rains which fell last spring and summer practically eliminated the field-mice.—MR. and MRS. CHARLES K. MORRELL, MISS GRACE DARLING EMBRY, VICTOR K. DODGE.

Louisville, Ky. (and vicinity; Cherokee Park, Cave Hill Cemetery, and along Ohio River and contiguous territory from the Falls to Twelve Mile Island, all well within 15-mile-diameter circle).—Dec. 26; 6 A.M. to 5 P.M. Pale sun; ground bare; wind, light from northeast; temp. 31° at start, 43° at end. About 15 miles and return, on foot and in automobile. Observers in 3 parties. Double-crested Cormorant, 1; Mallard, 4; Common Black Duck, 25; Canvas-back, 10; Lesser Scaup, 111; American Golden-eye, 2; White-winged Scoter, 1; Ruddy Duck, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Duck Hawk, 1; Sparrow Hawk, 6; Killdeer, 2; Herring Gull, 81; Ring-billed Gull, 4; Mourning Dove, 5; Barred Owl, 1; Belted Kingfisher, 2; Flicker, 19; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 32; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 12; Blue Jay, 38; Crow, 557; Carolina Chickadee, 21; Tufted Titmouse, 58;



Burt L. Monroe

White-breasted Nuthatch, 6; Red-breasted Nuthatch, 4; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 18; Robin, 52; Hermit Thrush, 3; Bluebird, 14; Golden-crowned Kinglet, 1; Cedar Waxwing, 5; Starling, 10,000+ (these roost in the business district of the city); English Sparrow, 100 (est.); Meadowlark, 10; Red-wing, 2; Bronzed Grackle, 50; Cardinal, 95; Purple Finch, 8; Goldfinch, 11; White-winged Crossbill, 5; Red-eyed Towhee, 56; Slate-colored Junco, 98; Tree Sparrow, 3; Field Sparrow, 1; White-throated Sparrow, 57; Swamp Sparrow, 1; Song Sparrow, 15. Total, 55 species, 11,650 (est.) individuals. Duck Hawk seen by B. L. Monroe. This bird has been seen a number of times since it arrived here in September. White-winged Scoter seen at about 50 to 500 yards in flight and on water; white wing-patches and dark body seen clearly by LaFollette, Monroe, and Carpenter. White-winged Crossbills seen at close range by Ganier and Slack; their crossed bills and white patches on the wing plain. They have been seen frequently in Cave Hill Cemetery on a number of occasions by many people since November 27, when discovered by Slack. They feed on the balls of sweet gum trees and the cones of various evergreens. Other species seen in the same territory during the census period, Buffle-head, Hooded Merganser, Turkey Vulture, Black Vulture, Golden Eagle (sharply defined black end of tail and white spots under wings seen by Monroe and Carpenter); Bald Eagle, White-crowned Sparrow, and Myrtle Warbler.—Miss MARLE SLACK, JAMES LAFOLLETTE, ROBERT MENGLE, BURT L. MONROE, JAMES B. YOUNG, FLOYD CARPENTER, ALBERT GANIER.

Great Smoky Mountains National Park, Tenn. (that area of the park which lies within a

circle of 15 miles diameter whose center is on Bull Head, including such points as Mt. LeConte, Greenbriar Cove, Elkmont, and others in Tennessee, as well as the Tennessee-North Carolina divide from Siler's Bald to Mt. Kephart; also the Tennessee towns of Gatlinburg and Pigeon Forge, just outside the park boundaries).—Dec. 19; 6 A.M. to 4 P.M. Misty rain in early morning followed by some fog and overcast sky to mid-afternoon in lowlands (1200 to 3000 ft. elevation), clear all day in mountains (3000 to 6600 ft.); ground bare, muddy in lowlands and frozen in mountains; wind light, variable; temp. 40° to 46° in lowlands, 28° to 40° in mountains. In cars and on foot, 160 miles. Altitude range 1200 to 6600 feet. Observers in 7 groups. (Sharp-shinned?) Hawk, 1; Red-tailed Hawk, 5; Duck Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 25 (1 heard drumming); Bob-white, 19 (2 coveys); Eastern Turkey, 7; Mourning Dove, 5; Great Horned Owl, 1 (heard); Belted Kingfisher, 1; Pileated Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 28; Blue Jay, 4; Raven, 10; Crow, 48; Chickadee (both Black-capped and Carolina definitely observed), 200 (est.); Tufted Titmouse, 19; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 80; Brown Creeper, 14; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 26; Mockingbird, 4; Robin, 200 (est.); Hermit Thrush, 24 (2 heard singing); Bluebird, 75 (est.); Golden-crowned Kinglet, 32 (est.); Ruby-crowned Kinglet, 1; Cedar Waxwing, 15 (1 flock); Migrant Shrike, 5; Starling, 6; English Sparrow, 25 (est.); Cardinal, 37; Purple Finch, 42; Pine Siskin, 1000 (est.); Goldfinch, 130 (est.); Red Crossbill, 37; Red-eyed Towhee, 4; Junco (both Slate-colored and Carolina definitely observed), 750 (est.); Field Sparrow, 60; White-throated Sparrow, 90 (est., a few heard singing); Song Sparrow, 106. Total, 47 species, 3165 (est.) individuals. Pine Siskins are considered unusual; their presence coincides with an abnormally heavy seed-crop on spruce and fir in the Great Smoky Mountains this autumn. Two species each of Chickadees and Juncos were definitely noted, as indicated, but since only fleeting glimpses were had of certain individuals and since positive identification of others was in question, only their totals are given.—CHARLES O. BAIRD, JR., E. R. BURCH, MARY RUTH CHILES, BROCKWAY CROUCH, JOHN J. HAY, EARL O. HENRY, MR. and MRS. H. P. JAMS, MR. and MRS. WILLIAM M. JOHNSON, MRS. FRANK LEONHARD, MARY O. MCGRIFF, HENRY MEYER, S. A. OGDEN, KATHRYN PICKLESIMER, JAMES TRENT, JR., W. M. WALKER, JR., all members of the East Tennessee Ornithological Society; CARLOS C. CAMPBELL, R. F. COLOGROVE, WILLIS KING, JOHN B. QUINN, ARTHUR STUPKA, E. DOROTHY WILLIAMS.

Greenville (Greene Co.), Tenn. (Reed and Ross farms along Roaring Fork Creek; Bay's Mountain).—Dec. 21; 8 to 11.30 A.M., 12.30 to 4.30 P.M. Clear; wind west, light; temp. 35° at start, 40° at return. About 4 miles on foot, 12 miles by automobile. Duck (unidentified), 2; Turkey Vulture, 10; Red-tailed Hawk, 1; Sparrow Hawk, 3; Mourning Dove, 21; Screech Owl, 2; Flicker, 6; Pileated Woodpecker, 2; Red-bellied



Arthur Stupka

Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 5; Horned Lark, 12; Blue Jay, 15; Crow, 2800+; Carolina Chickadee, 10; Tufted Titmouse, 13; Winter Wren, 1; Bewick's Wren, 3; Carolina Wren, 8; Mockingbird, 5; Robin, 2; Bluebird, 5; Golden-crowned Kinglet, 3; Cedar Waxwing, 11; (Migrant?) Shrike, 1; Starling, 23; Myrtle Warbler, 4; English Sparrow, 15+; Meadowlark, 9; (Red-winged?) Blackbird, 11; Grackle, 1; Cardinal, 12; Purple Finch, 4; Goldfinch, 20; Red-eyed Towhee, 2; Slate-colored Junco, 24; Field Sparrow, 4; White-crowned Sparrow, 2; White-throated Sparrow, 10; Song Sparrow, 3. Total, 41 species, 3093 (est.) individuals.—WILLIE RUTH REED.

Knoxville, Tenn. (Woodlawn Pike to Island Home Bird Sanctuary; Topside; Sharp's Ridge; Lake Andrew Jackson to Ebenezer to Bear-den).—Dec. 26; 8 A.M. to 4.45 P.M. Cloudy; wind north, light; temp. 43° at start, 45° at return. Four groups of observers, average 6 miles on foot per group. Turkey Vulture, 4; Sharp-shinned Hawk, 1; Broad-winged Hawk, 1; Sparrow Hawk, 9; Killdeer, 1; Mourning Dove, 55; Barred Owl, 1; Kingfisher, 1; Flicker, 28; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 15; Blue Jay, 29; Crow, 53; Chickadee, 48; Tufted Titmouse, 30; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 6; Brown Creeper, 5; Carolina Wren, 18; Mockingbird, 28; Robin, 7; Hermit Thrush, 5; Bluebird, 36; Golden-crowned Kinglet, 27; Cedar Waxwing, 35; Shrike, 1; Starling (flocks 7000, 3000, 91, 10,091, est.); Myrtle Warbler, 41; English Sparrow, 65; Meadowlark (flocks of 72 and 25), 97; Grackle, 48 (45 were with the Starlings); Cardinal, 48; Purple Finch, 55; Goldfinch, 19; Towhee, 23;

Savannah Sparrow, 1; Junco, 31; Chipping Sparrow, 1; Field Sparrow, 157; White-throated Sparrow, 136; Swamp Sparrow, 1; Song Sparrow, 35. Total, 44 species, 11,282 (est.) individuals.—S. A. OGDEN, MISS MARY LOUISE OGDEN, DR. EARL HENRY, MR. and MRS. HENRY MEYER, H. P. JAMS, CHARLES BAIRD, W. M. WALKER, members of East Tennessee Ornithological Society.

Memphis, Tenn.—Dec. 24; 7 A.M. to 5 P.M. Overcast all day; muddy underfoot after two days of rain; wind, fresh to gusty, white caps on river; temp. 48° to 54°. Some of last year's territory not reached. North 2d St. at Todd Creek and Loosahatchie River bottoms, Wolf River bottoms at seven points, Raleigh (briefly); Nonconah Creek bottoms at five points, airport, Piney Woods; Riverside and Overton Parks; wharf. One auto north, one south, and one east, all day with observers in twos and threes; on foot part of day in parks and riverfront. Canada Goose, 15; Gadwall, 1; Ring-necked Duck, 1; Canvas-back, 1; Lesser Scaup, 229; Turkey Vulture, 12; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 15; Bob-white, 40; Killdeer, 51; Wilson's Snipe, 1; Herring Gull, 2; Ring-billed Gull, 65; Mourning Dove, 72; Barred Owl, 6; Belted Kingfisher, 3; Flicker, 130; Pileated Woodpecker, 1; Red-bellied Woodpecker, 53; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 22; Downy Woodpecker, 38; Phoebe, 1; Blue Jay, 252; Crow, 37; Carolina Chickadee, 66; Tufted Titmouse, 54; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Brown Creeper, 15; Winter Wren, 16; Bewick's Wren, 3; Carolina Wren, 95; Mockingbird, 115; Brown Thrasher, 18; Robin, 388; Hermit Thrush, 30; Bluebird, 54; Golden-crowned Kinglet, 67; Ruby-crowned Kinglet, 6; American Pipit, 30; Cedar Waxwing, 332; Loggerhead Shrike, 15; Starling, 370; Myrtle Warbler, 214; English Sparrow, common; Meadowlark, 421; Red-wing, 80; Bronzed Grackle, 562; Cowbird, 12; Cardinal, 526; Purple Finch, 19; Goldfinch, 120; Towhee, 12; Savannah Sparrow, 52; Slate-colored Junco, 841; Field Sparrow, 90; White-crowned Sparrow, 1; White-throated Sparrow, 1536; Fox Sparrow, 73; Swamp Sparrow, 29; Song Sparrow, 215. Total, 66 species, 7570 individuals. Also, Dec. 25: Black Vulture, 2.—BEN B. COFFEY, JR., TOM SIMPSON, WENDELL WHITTEMORE, DR. C. E. MOORE, HAROLD ELPHINSTONE, EUGENE WALLACE, ROBERT HOVIS, MISS ALICE SMITH and MARY DAVANT, MR. and MRS. A. D. ALLISON, BOB SHAFFER, ELDON WHITE, BILL FISCHER, FRED DICKSON, BRUCE ELY, JOE MILLER, FORDYCE MITCHELL, PAUL SODGRASS, HENRY TURNER, JACK EMBURY, members of Memphis Chapter, Tennessee Ornithological Society.

Nashville, Tenn. (Charlotte and Harding pikes, Hobbs and Otter Creek roads, Percy Warner Park, Kingston Spring, Radnor Lake, Mt. Olivet Cemetery, and Cumberland River bottoms).—Dec. 26; 5.30 A.M. to 6 P.M. Clear; very little wind; temp. 38° at start, 55° at noon, 49° at return. Observers in 8 parties. Areas indicated above were covered both by auto and by foot. Great Blue Heron, 1; Canada Goose, 2; Mallard, 21;

Black Duck, 6; Ring-necked Duck, 38; Canvas-back, 1; Lesser Scaup, 10; American Golden-eye, 5; American Merganser, 3; Turkey Vulture, 1; Black Vulture, 12; Cooper's Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 16; Bob-white, 27; Killdeer, 18; Wilson's Snipe, 6; Mourning Dove, 75; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 2; Kingfisher, 5; Flicker, 72; Pileated Woodpecker, 16; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 25; Yellow-bellied Sapsucker, 19; Hairy Woodpecker, 9; Downy Woodpecker, 40; Phoebe, 1; Horned Lark, 166; Blue Jay, 46; Crow, 163; Carolina Chickadee, 109; Tufted Titmouse, 49; White-breasted Nuthatch, 3; Brown Creeper, 2; Winter Wren, 2; Bewick's Wren, 6; Carolina Wren, 32; Long-billed Marsh Wren, 1; Mockingbird, 111; Brown Thrasher, 2; Robin, 126; Hermit Thrush, 9; Bluebird, 80; Golden-crowned Kinglet, 7; Cedar Waxwing, 15; Starling, 76; Myrtle Warbler, 8; House Sparrow, 221; Meadowlark, 59; Rusty Blackbird, 100; Bronzed Grackle, 2; Cardinal, 203; Purple Finch, 19; Goldfinch, 60; Towhee, 62; Savannah Sparrow, 9; Junco, 483; Field Sparrow, 86; White-crowned Sparrow, 41; White-throated Sparrow, 213; Fox Sparrow, 22; Swamp Sparrow, 58; Song Sparrow, 71. Total, 68 species, 3170 individuals. Long-billed Marsh Wren was flushed in the middle of a marsh and was studied with 6-power glasses at 15 feet.—B. H. ABERNATHY, FLOYD BRALLIAR, JOHN B. CALHOUN, M. S. CARTER, MRS. SANFORD DUNCAN, W. J. HAYES, JR. and SR., MARY LEE, ARTHUR McMURRAY, HARRY MONK, C. E. PEARSON, G. R. MAYFIELD, JAMIE TIPPENS, H. S. VAUGHN, GEORGE WOODRING, G. M. YARBROUGH.

Tuscaloosa, Ala.—Dec. 25; 6.50 to 11.30 A.M. and 1.10 to 5.15 P.M. Mostly cloudy, with occasional sprinkles of rain; practically no wind; temp. 47° at start, 60° at return. Observers separate most of morning, together in afternoon. Turkey Vulture, 2; Black Vulture, 25; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Killdeer, 2; American Woodcock, 2; Mourning Dove, 5; Ground Dove, 2 (rare); Belted Kingfisher, 1; Flicker, 20; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Phoebe, 1; Blue Jay, 28; Crow, 7; Carolina Chickadee, 4; Tufted Titmouse, 6; White-breasted Nuthatch, 2 (heard); Brown Creeper, 1; Winter Wren, 7; Bewick's Wren, 1; Carolina Wren, 7; Mockingbird, 28; Brown Thrasher, 13; Robin, 350; Hermit Thrush, 9; Bluebird, 2; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 7; Cedar Waxwing, 56; Starling, 5; White-eyed Vireo, 1 (heard); Blue-headed Vireo, 1 (heard); Orange-crowned Warbler, 1 (rare); Myrtle Warbler, 25; English Sparrow, 184; Meadowlark, 78; Red-wing, 1; Rusty Blackbird, 92; Cardinal, 30; Purple Finch, 9; Goldfinch, 21; Towhee, 39; Savannah Sparrow, 50; Vesper Sparrow, 8; Slate-colored Junco, 45; Field Sparrow, 171; White-throated Sparrow, 419; Fox Sparrow, 7; Swamp Sparrow, 10; Song Sparrow, 18. Total, 56 species, about 1813 individuals. Many numbers were partly or wholly estimated. The two Vireos were heard at the same time and their notes compared and contrasted by an observer fully familiar with both species. There is at least one previous

winter record in the state for the White-eyed and several for the Blue-headed Vireos. The Orange-crowned Warbler was carefully studied at 15 feet with 8-power glasses. Ground Doves have not been known previously to range this far north in the state, but may occur here regularly. Cardinals, Towhees, Fox Sparrows, and Carolina Wrens were in song. The apparent lack of many species is probably due to the observers' lack of familiarity with the territory.—HARRY and THOMAS STEVENSON.

Singer Tract, Madison Parish, La.—Dec. 24; 7 A.M. to 2 P.M. Partly cloudy to clear, warm. One observer, walking 11 miles. Mallard, 120; Black Duck, 1; Pintail, 1; Wood Duck, 18; Ring-necked Duck, 40; Turkey Vulture, 5; Black Vulture, 2; Red-tailed Hawk, 1; Barred Owl, 3; Flicker, 18; Red-bellied Woodpecker, 19; Pileated Woodpecker, 19; Red-headed Woodpecker, 70; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 4; Ivory-billed Woodpecker, 2; Blue Jay, 13; Carolina Chickadee, 20; Tufted Titmouse, 18; White-breasted Nuthatch, 20; Carolina Wren, 30; Brown Thrasher, 6; Robin, 2; Hermit Thrush, 1; Bluebird, 6; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Myrtle Warbler, 75; (Bronzed?) Grackle, 7; Cardinal, 3; Goldfinch, 9; Red-eyed Towhee, 5; White-throated Sparrow, 80; Fox Sparrow, 1. Total, 34 species, 628 individuals.—Missed: Great Blue Heron, Hooded Merganser, Red-shouldered Hawk, Sparrow Hawk, Turkey, Hairy Woodpecker, Phoebe, Crow, Brown Creeper, Mockingbird, Winter Wren, Cedar Waxwing, Blue-headed Vireo, Red-wing, Rusty Blackbird, Meadowlark, Loggerhead Shrike.—JAMES T. LANNER.

Hickory Flat, Miss.—Dec. 25; 7 A.M. to 3.30 P.M., except 12 M. to 1 P.M. Overcast in A.M., with fog until 9 A.M., part sunny in P.M.; temp. 50° to 58°. Tippah Creek at Highway 5, 6 miles north of town; on foot 5 miles, in hills, pine woods, and Oklometer Creek west of town; and Springdale Lakes, south of Myrtle. Lakes visited by Tupelo census party. Ring-necked Duck, 2; Lesser Scaup, 2; Turkey Vulture, 2; Black Vulture, 3; Red-tailed Hawk, 1; Sparrow Hawk, 1; Killdeer, 11; Mourning Dove, 1; Flicker, 15; Pileated Woodpecker, 2; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 55; Crow, 17; Carolina Chickadee, 47; Tufted Titmouse, 24; White-breasted Nuthatch, 3; Brown Creeper, 1; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 10; Mockingbird, 6; Brown Thrasher, 1; Robin, 104; Hermit Thrush, 5; Bluebird, 56; Golden-crowned Kinglet, 16; Cedar Waxwing, 8; Loggerhead Shrike, 2; Starling, 440; Myrtle Warbler, 7; English Sparrow, 20; Meadowlark, 59; Red-wing, 80; Bronzed Grackle, 2647; Cowbird, 21; Cardinal, 29; Purple Finch, 4; Goldfinch, 175; Towhee, 4; Slate-colored Junco, 191; Field Sparrow, 48; White-throated Sparrow, 98; Swamp Sparrow, 5; Song Sparrow, 25. Total, 48 species, 4269 individuals.—Mrs. BEN B. COFFEY, JR.

Moon Lake (Lula), Miss.—Dec. 26; 6.30 A.M. to 5 P.M. Overcast all day, with occasional drizzle, rain in late afternoon; wind, fresh; temp. 48° to 50°. Road along east and south sides of

Moon Lake, then north near levee, crossing same through bottoms to Helena Ferry landing, back to north end of lake; also woods northeast of Lula, briefly. By auto, 30 miles, observers chiefly together at edge of lake, separately in bottoms; north end of lake waded. Loon, 1; Horned Grebe, 27; Pied-billed Grebe, 8; Double-crested Cormorant, 25; Great Blue Heron, 6; Mallard, 8; Black Duck, 9; Gadwall, 50; Baldpate, 2; Pintail, 6; Ring-necked Duck, 200; Canvas-back, 75; Lesser Scaup, 150; American Golden-eye, 2; Buffle-head, 3; Ruddy Duck, 1150; Hooded Merganser, 8; American Merganser, 500; Red-breasted Merganser, 2000; Ducks (unidentified), 600; Turkey Vulture, 2; Black Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 5; Coot, 150; Killdeer, 97; Herring Gull, 350; Ring-billed Gull, 2; Mourning Dove, 33; Barred Owl, 1; Belted Kingfisher, 4; Flicker, 8; Pileated Woodpecker, 1; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Phoebe, 1; Blue Jay, 21; Crow, 4; Carolina Chickadee, 11; Tufted Titmouse, 7; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 30; Mockingbird, 7; Brown Thrasher, 1; Robin, 210; Hermit Thrush, 11; Bluebird, 26; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 13; American Pipit, 29; Cedar Waxwing, 6; Loggerhead Shrike, 15; Starling, 464; Myrtle Warbler, 25; English Sparrow, 130; Meadowlark, 81; Red-wing, 60; Rusty Blackbird, 2; Bronzed Grackle, 105; Cowbird, 4; Cardinal, 30; Goldfinch, 6; Towhee, 5; Savannah Sparrow, 2; Slate-colored Junco, 10; Field Sparrow, 3; White-throated Sparrow, 152; Fox Sparrow, 29; Swamp Sparrow, 12; Song Sparrow, 26. Total, 76 species, 7092 individuals. In addition to 8-power binoculars used by each observer, a 40-power telescope was used.—Mr. and Mrs. BEN B. COFFEY, JR., WENDELL WHITTEMORE, TOM SIMPSON, FRED CARNEY.

Tupelo, Miss.—Dec. 25; 10.30 A.M. to 5 P.M. Cloudy A.M.; partly sunny P.M.; wind slight; temp. 50° to 58°. Highway 78 from Tupelo Country Club and lake to 10 miles east of town; U. S. Fish Hatchery and Gum Pond in town; Tombigbee State Park. Observers together in auto except short side trips. Pied-billed Grebe, 1; Gadwall, 1; Ring-necked Duck, 1; Canvas-back, 1; Lesser Scaup, 15; Hooded Merganser, 1; Turkey Vulture, 40; Black Vulture, 6; Red-tailed Hawk, 6; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 10; Coot, 2; Killdeer, 10; Wilson's Snipe, 30; Mourning Dove, 2; Belted Kingfisher, 2; Flicker, 10; Pileated Woodpecker, 1; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 6; Blue Jay, 19; Crow, 2; Carolina Chickadee, 29; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 10; Mockingbird, 5; Brown Thrasher, 2; Robin, 4; Hermit Thrush, 3; Bluebird, 5; Golden-crowned Kinglet, 9; American Pipit, 24; Loggerhead Shrike, 4; Starling, 76; Myrtle Warbler, 5; Pine Warbler, 1; English Sparrow, 50; Meadowlark, 39; Red-wing, 15; Rusty Blackbird, 3; Bronzed Grackle, 300; Cardinal, 19; Purple Finch, 2; Goldfinch, 62; Savannah Sparrow, 1; Slate-colored

Junco, 275; Field Sparrow, 117; White-crowned Sparrow, 10; White-throated Sparrow, 54; Fox Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 28. Total, 57 species, 1354 individuals.—EAGLE SCOUTS BEN B. COFFEY, JR., WENDELL WHITTEMORE, HAROLD ELPHINSTONE, ROBERT HOVIS, JACK SHAFFER (1st Memphis Rovers).

Ann Arbor, Mich. (along the Huron River between Ann Arbor and a point about 4 miles below town; by auto to two small wooded areas about 4 miles southwest and west of town).—Dec. 21; 6 A.M. to 2.30 P.M., 3 to 5.30 P.M. Cloudy; 3-in. snow on ground; snow fell part of A.M.; wind southwest, about 10 m.p.h.; temp. 21° min., 34° max. First 8½ hours on foot, last 2½ by auto and on foot with Dr. H. W. Hann; 26 miles walked, 16 by auto. Observers together. Black Duck, 1; American Merganser, 1; *Accipiter* sp., 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bob-white, 12 (fresh tracks of 1 covey after morning snow); Pheasant, 5; Herring Gull, 2; Mourning Dove, 16; Barred Owl, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 10; Horned Lark (subsp.?), 1; Blue Jay, 16; Crow, 5; Black-capped Chickadee, 40; Tufted Titmouse, 10; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 8; Brown Creeper, 3; Golden-crowned Kinglet, 2; Starling, 8; English Sparrow, 40; Cardinal, 15; Goldfinch, 18; Slate-colored Junco, 22; Tree Sparrow, 32; Song Sparrow, 4; Snow Bunting, 9. Total, 30 species, 298 (est.) individuals.—JOHN GEORGE, DONALD P. DUNCAN.

Battle Creek, Mich. (from Leila Arboretum along the Kalamazoo River west of the city to Gull Lake and the Kellogg Bird Sanctuary at Wintergreen Lake).—Dec. 26; 8.10 A.M. to 4.30 P.M. Clear; hard crust of snow covering the ground; small lakes all frozen over and only a little open water in Gull Lake; Kalamazoo River open; wind southwest, light; temp. 26° at start, 35° on return. About 5 miles on foot and approximately 85 miles by car. Observers divided into 3 parties. Great Blue Heron, 1; Mallard, 150; Black Duck, 2000 (est.); American Golden-eye, 6; American Merganser, 28; Bald Eagle, 1; Bob-white, 12; Ring-necked Pheasant, 3; Herring Gull, 21; Mourning Dove, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 16; Crow, 25; Black-capped Chickadee, 19; Tufted Titmouse, 6; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Starling, 200 (est.); English Sparrow, 300 (est.); Cowbird, 1; Cardinal, 12; Goldfinch, 57; Slate-colored Junco, 20; Tree Sparrow, 29; Song Sparrow, 4; Snow Bunting, 40. Total, 27 species, 2976 individuals. The following additional species were observed during the week before Christmas but were not located on the day of the census: Cooper's Hawk, 1; Belted Kingfisher, 2; Flicker, 1; and Brown Creeper, 2.—Mr. and Mrs. N. THEODORE PETERSON, DR. LAWRENCE H. WALKINSHAW, DR. MILES D. PIRNIE, and EDWARD M. BRIGHAM, JR., members of the Battle Creek Nature Club.

Edwin S. George Reserve, Pinckney, Mich. (census confined to this 1200-acre wild-life sanctuary).—Dec. 23; 9 A.M. to 4.30 P.M. Clear; 3-in. crusty snow; wind southeast, very light; temp. 20° at start, 24° at return. On foot. Ruffed

Grouse, 3; Barred Owl, 1; Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 8+; Crow, 10; Black-capped Chickadee, 23+; Tufted Titmouse, 5; White-breasted Nuthatch, 12+; Golden-crowned Kinglet, 1; Starling, 13; English Sparrow, 19; Cardinal, 2; Goldfinch, 12; Slate-colored Junco, 11; Tree Sparrow, 24+. Total, 17 species, 156+ individuals.—JOSELYN VAN TYNE.

East Lansing, Mich. (from Michigan State College campus, along Red Cedar River; north to vicinity of Park Lake and return).—Dec. 24; 9 A.M. to 4.30 P.M. Cloudy, with rain and some sleet most of day; 6 to 12-in. snow on ground, with heavy crust; wind east, moderate; temp. 26° at start, 33° at return. About 20 miles by auto and on foot. Observers in 2 groups. Lists combined. Cooper's Hawk, 1; Red-tailed Hawk, 1; Bob-white, 9 (1 covey); Ring-necked Pheasant, 3; Hairy Woodpecker, 4; Downy Woodpecker, 13; Blue Jay, 18; Crow, 23; Black-capped Chickadee, 20; Tufted Titmouse, 2; White-breasted Nuthatch, 5; Brown Creeper, 1; Robin, 1; Starling, 2; English Sparrow, 15+ 100 (est.); Cardinal, 10; Goldfinch, 6; Slate-colored Junco, 15; Tree Sparrow, 54+; Song Sparrow, 3. Total, 20 species, about 297 individuals. (Robin in spruce swamp where many black chokeberries remained on bushes.) Observed recently: Dec. 22, 25 Cedar Waxwings eating frozen apples and grapes at home of F. Chandler. Dec. 22, 34 Mourning Doves feeding in clump of staghorn sumac about 5 miles from East Lansing, by Dr. C. F. Clark.—FRANK L. GLOSSER, EMMETT R. POTTS, PERCY A. GIBBS, LLOYD C. HULBERT, MRS. C. F. CLARK, FLORA L. CHANDLER, MARY ANN BANCROFT, L. CLAIRE HULBERT.

Fort Wayne, Ind. (starting from Lake Everett, 12 miles west of city; lake frozen over; on foot east and north along lake, following small creek, also 3 miles west of lake along Eel River; water open along river).—Dec. 24; 8 A.M. to 4 P.M. Heavy fog; ground bare; moderate southwest wind; temp. 32° at start, 39° at return. About 10 miles on foot. Observers together. Duck Hawk, 1; Bob-white, 13 (covey of 12 and single); Herring Gull, 1; Flicker, 1; Hairy Woodpecker, 12; Downy Woodpecker, 19; Horned Lark, 11; Blue Jay, 31; Crow, 13; Black-capped Chickadee, 24; Tufted Titmouse, 49; White-breasted Nuthatch, 16; Brown Creeper, 9; Carolina Wren, 2; Catbird, 1; Golden-crowned Kinglet, 1; Starling, 6; House Sparrow, 250; Cardinal, 76; Goldfinch, 9; Slate-colored Junco, 126; Tree Sparrow, 217; Song Sparrow, 9. Total, 23 species, 897 individuals. The Duck Hawk was observed in flight at 50 feet. Identified definitely as a Falcon by its long, pointed wings and long, narrow tail. Large size particularly noted.—HOWARD H. MICHAUD, FRANK JOHNSON, FRANK EBBERSOLE.

Indianapolis, Ind. (through Brendenwood Estates, Woollen's Gardens of Birds and Botany, and Indian Lake Region, all northeast of the city).—Dec. 22; 8 A.M. to 4.30 P.M. Overcast; light snow on north slopes; temp. about 32°. About 20 miles by auto, 3 miles on foot. Observers together. Red-shouldered Hawk, 1; Sparrow Hawk, 2; Rock Dove, 8; Mourning Dove, 2; Flicker, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay,

4; Crow, 18; Black-capped Chickadee, 1; Carolina Chickadee, 3; Tufted Titmouse, 2; White-breasted Nuthatch, 6; Brown Creeper, 5; Starling, 28; English Sparrow, 1; Cardinal, 15; Goldfinch, 5; Towhee, 4; Slate-colored Junco, 27; Tree Sparrow, 2; Field Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 4. Total, 25 species, 150 individuals. For three weeks previous to the 19th a Robin was seen each day at Woollen's Gardens of Birds and Botany, and 13 Towhees were there at one of the observation stations almost daily during October, November, and December.—KATHERINE GRAVES, ELIZABETH A. TAFT, MARGARET R. KNOX, S. E. PERKINS, III.

Kurtz, Ind. (Houston to Kurtz and return).—Dec. 26; 7.30 A.M. to 4 P.M. Partly clear; no wind; temp. 27° at start, 42° at return. About 5 miles by auto, 12 miles on foot. Observers together. Red-tailed Hawk, 1; Sparrow Hawk, 2; Bob-white, 7 (1 covey); Mourning Dove, 25; Screech Owl, 1; Barred Owl, 1; Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 9; Prairie Horned Lark, 25; Blue Jay, 11; Crow, 12; Carolina Chickadee, 18; Tufted Titmouse, 30; White-breasted Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 1; Bluebird, 18; Golden-crowned Kinglet, 2; Starling, 31; English Sparrow, 125; Meadowlark, 20; Cardinal, 45; Purple Finch, 5; Goldfinch, 15; Red-eyed Towhee, 27; Slate-colored Junco, 285; Tree Sparrow, 205; Song Sparrow, 12; 1 Robin observed Dec. 25. Total, 33 species, 970 (est.) individuals.—RAYMOND J. FLEETWOOD, KENNETH AXSON.

Elsah, Ill. (the Principia College campus to Chautauqua and Piassa Creek and return).—Dec. 24; 6.30 A.M. to 1.30 P.M. Cloudy; ground bare; wind south, light; temp. 42° at start, 46° at return. About 20 miles on foot and by motor. Observers together. Mallard, 10; Greater Scaup, 50; Sparrow Hawk, 2; Bob-white, 13; Herring Gull, 35; Great Horned Owl, 1; Flicker, 2; Red-bellied Woodpecker, 6; Hairy Woodpecker, 6; Downy Woodpecker, 5; Blue Jay, 70; Crow, 75; Black-capped Chickadee, 17; Tufted Titmouse, 14; White-breasted Nuthatch, 1; Carolina Wren, 2; Robin, 1; Bluebird, 45; Cardinal, 55; Purple Finch, 25; Goldfinch, 50; Slate-colored Junco, 350; Tree Sparrow, 10; Song Sparrow, 1. Total, 24 species, 846 individuals.—GEORGE B. HAPP, DEAN LEONARD, RICHARD MILLER, FORBES ROBERTSON, JOHN WANAMAKER.

Lisle, Ill. (Morton Arboretum).—Dec. 26; 10 A.M. to 4.30 P.M. Clear and calm; ground covered with icy crust; temp. 30° to 35°. Observer alone. Cooper's Hawk, 1; Red-shouldered Hawk, 2; (Rough-legged, dark phase?) Hawk, 1; Ring-necked Pheasant, 3; (Great Horned?) Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 4; Horned Lark, 3; Blue Jay, 6; Crow, 50; Black-capped Chickadee, 8; Tufted Titmouse, 5; White-breasted Nuthatch, 3; Robin, 3; Golden-crowned Kinglet, 4 (1 flock); English Sparrow, 6; Redwing, 11 (1 flock); Cardinal, 8; Purple Finch, 6; Redpoll, 5 (1 flock); Pine Siskin, 17 (1 flock); Slate-colored Junco, 50; Tree Sparrow, 28; Song Sparrow, 1; Lapland Longspur, 8 (1 flock). Total,

23 species, 237 individuals. Same area covered Dec. 25 with C. T. Clark and T. J. Nork; though fewer species (20) were noted, the list included the following 5 not observed on the date of the above census: Red-tailed Hawk, 1; Flicker, 1; Cedar Waxwing, 2; Goldfinch, 3; White-winged Crossbill, 2 (1 ad. ♀ and 1 imm. observed at leisure by all three observers; approached within 8 feet).—FRANK A. PITBLKA.

Moline, Ill. (to the Rock River region below Davis Power Plant in Rock Island, then upstream through Black Hawk State Park and back).—Dec. 23; 9.30 A.M. to 4.45 P.M. Clear, cirrus clouds near horizon, sky becoming overcast in late afternoon; wind east, light, changing to southeast; temp. 12° at start, 18° at noon, 14° at return. About 6 miles by car, 6 miles on foot. Observers together. (Black?) Duck, 4; Red-tailed Hawk, 2; Bald Eagle, 2; Herring Gull, 12; (Laughing?) Gull, 6; (Great Horned?) Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 5; Crow, 3; Black-capped Chickadee, 11; Tufted Titmouse, 32; White-breasted Nuthatch, 6; Brown Creeper, 1; Robin, 1; Starling, 40; English Sparrow, 41; Cardinal, 6; Slate-colored Junco, 3; Tree Sparrow, 40. Total, 20 species, 220 (est.) individuals. The Eagles were observed for about one hour. This is the first year that they have been seen capturing their own food. Other years they have allowed the Gulls to catch the fish and then taken it from them.—HARTLEY ARAM, BILL SANDBERG, HAROLD KROGER, MARGARET E. ENGSTROM, KATHRYN MANN, DONALD ADE.

Ottawa, Ill. (along south bank of Illinois River to Starved Rock Dam and back on north side along I. & M. Canal).—Dec. 26; 8.30 A.M. to 4 P.M. Clear; patches of snow; wind west, light; temp. 24° at start, 33° at return. About 6 miles by car, 14 miles by foot. Mallard, 700; Black Duck, 350; American Golden-eye, 78; American Merganser, 1; Bald Eagle, 2 (1 adult, 1 imm.); Herring Gull, 5; Ring-billed Gull, 57; Screech Owl, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 9; Prairie Horned Lark, 2; Blue Jay, 8; Crow, 21; Black-capped Chickadee, 9; Tufted Titmouse, 10; White-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 2; Bluebird, 2; English Sparrow, 34; Cardinal, 13; Goldfinch, 12; Slate-colored Junco, 28; Tree Sparrow, 110; Song Sparrow, 4. Total, 26 species, about 1463 individuals.—FRANK BELLORE.

Springfield, Ill. (Sangamon Co. in area of previous years, with city of Springfield at one end and Lake Springfield at the other, including the Wild Life Sanctuary sponsored by the Springfield Nature League).—Dec. 27; 7 A.M. to 5 P.M. Heavy fog all morning, cloudy in afternoon; most of Lake Springfield covered with ice; wind moderate; temp. 38° at start, 41° at return. Observers in 6 groups, by foot and auto. Mallard, 5000 (est.); Black Duck, 500 (est.); Baldpate, 13; Pintail, 10; Shoveller, 1; Scaup, 1; American Golden-eye, 1; Buffle-head, 3; American Merganser, 30; Red-breasted Merganser, 1; additional flock of 5000 (est.) Ducks too distant for identification; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; American Rough-legged Hawk, 1;

Marsh Hawk, 3; Sparrow Hawk, 11; Bob-white, 50 (3 coveys); Ring-necked Pheasant, 3; Coot, 40; Killdeer, 9; Herring Gull, 53; Ring-billed Gull, 5; Mourning Dove, 18; Screech Owl, 1; Barred Owl, 2; Short-eared Owl, 3; Belted Kingfisher, 2; Flicker, 32; Red-bellied Woodpecker, 105; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 15; Downy Woodpecker, 63; Prairie Horned Lark, 1; Blue Jay, 111; Crow, 270 (est.); Black-capped Chickadee, 62; Tufted Titmouse, 141; White-breasted Nuthatch, 29; Brown Creeper, 22; Carolina Wren, 35; Mockingbird, 1; Robin, 5; Golden-crowned Kinglet, 12; Starling, 464 (est.); English Sparrow, 1700 (est.); Eastern Meadowlark, 6; Rusty Blackbird, 2; Cardinal, 168; Purple Finch, 88; Pine Siskin, 1; Goldfinch, 19; Slate-colored Junco, 497; Tree Sparrow, 460; Song Sparrow, 7. Total, 55 species, 14,500 (est.) individuals. (The rafts of Ducks have been estimated by various observers at 10,000, and represent a tremendous increase in the numbers of wintering Ducks on Lake Springfield.)—RICHARD ALLYN, ELIZABETH BAUM, FRANK BOHNHORST, MRS. GUY BONNEY, WILLIAM BUTLER, JUEL CACCIATORI, ANNA CARBERRY, JACK CATLIN, GIM COX, BERNIE COMBS, JIMMIE COMBS, CHARLOTTE DUBOIS, MRS. HERMAN EFBERT, MR. and MRS. T. I. FULLENWIDER, ROSEMARY GRIEL, LOIS HARDBARGER, VIOLA HOLLIDAY, LOUIS KERLIKAR, JACK LANDERS, REV. GEORGE M. LINK, WM. O'BRIEN, ELEANOR RHOADES, RUTH RITTENHOUSE, BILLY ROBERTSON, MARY HOPKINS SELLERS, MRS. CLAUDE SELLERS, DOROTHY and BILL SOUTHWICK, MRS. IRENE SKINNER, EDITH A. SUTTON, JAMES E. VELL, members of Springfield Nature League.

Appleton, Wisc.—Dec. 26; dawn to dusk. Sky clear; 5-in. snow on ground; light west wind, dying in afternoon; temp. 8° at start, 16° at return. Open fields, lakefront, river-bank, city parks and streets, alder and willow swamps, hardwoods, cedar and tamarack swamp. About 60 miles by car, 15 miles on foot. Observers paired in morning, together in afternoon. Black Duck, 75+; American Golden-eye, 120+; American Merganser, 12; Hungarian Partridge, 6; Herring Gull, 1; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 28; Black-capped Chickadee, 11; White-breasted Nuthatch, 16; Brown Creeper, 16; Starling, 11; Purple Finch, 6; Goldfinch, 1; Tree Sparrow, 2. Total, 15 species, 316+ individuals. On Dec. 25, a male Mallard was observed on river in company with Black Ducks (Mr. and Mrs. Walter E. Rogers).—MRS. WALTER E. ROGERS, BEN SEABORNE, WALTER E. ROGERS, DEXTER WOLFE.

Lake Geneva, Wisc.—Dec. 26; 9.30 A.M. to 4.30 P.M. Clear; 2-in. snow on ground, underlaid by sleet; lake frozen over, except at west end; no wind; temp. about 32° all day. Around entire lake by car, stopping at suitable localities for walks. About 25 miles by car, 4 miles on foot. Observers together. Canada Goose, 500 (est.); Mallard, 4; Black Duck, 3; Canvas-back, 1; Lesser Scaup, 50 (est.); Golden-eye, 250 (est.); Hooded Merganser, 11; American Merganser, 1; Red-tailed Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 18; Coot, 2500 (est.); Herring Gull, 35;

Ring-billed Gull, 2; Kingfisher, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 7; Crow, 20; Chickadee, 2; White-breasted Nuthatch, 3; Starling, 100 (est.); English Sparrow, 75; Red-wing, 5; Brewer's Blackbird, 1; Junco, 6; Tree Sparrow, 25; Song Sparrow, 8. Total, 29 species, 3645 (est.) individuals. The Brewer's Blackbird, a male, was observed on the ground at 15 feet, and the entirely black appearance with glossing of dark purple and blue-green, the light yellow iris, were noted (second winter record).—C. O. PALMQUIST, Mrs. C. O. PALMQUIST.

Madison, Wisc. (Madison to McFarland).—Dec. 26; 8.30 A.M. to 12.30 P.M., 1.30 P.M. to dark. Clear; 4-in. snow; no wind; temp. 12° at start, 24° at noon, 20° at return. About 40 miles by car and on foot. Observers in 2 parties. Mallard, 41; Wood Duck, 1; Lesser Scaup, 1; Golden-eye, 4; Bob-white, 31; Pheasant, 16; Coot, 6; Screech Owl, 2; Kingfisher, 1; Red-headed Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 57; Crow, 3; Chickadee, 23; White-breasted Nuthatch, 11; Robin, 2; Starling, 125; English Sparrow, 500; Red-wing, 2; Rusty Blackbird, 4; Cardinal, 4; Purple Finch, 1; Goldfinch, 15; Junco, 19; Tree Sparrow, 60; Swamp Sparrow, 2. Total, 26 species, 838 individuals.—Mrs. A. KOEHLER, Mrs. R. A. WALKER, Miss Ruth KOEHLER, Harold HALBY, Billy HUNT, Francis JONES, Earl MITCHELL, Jack MARKS, Mr. and Mrs. N. R. BARGER, members of Madison Bird Club.

Menominee Indian Reservation, Shawano, Wisc.—Dec. 23; 9 A.M. to 4.30 P.M. Cloudy; 5-in. snow on ground; calm; temp. between 15° and 20°. Arctic Three-toed Woodpecker, 2; Blue Jay, 2; Crow, 3; Black-capped Chickadee, 8; Red-breasted Nuthatch, 1; Northern Shrike, 1; Pine Siskin, 2; Snow Bunting, 20. Total, 8 species, 39 individuals.—DAVID E. DAVIS.

Watertown, Wisc. (Mashkigi Wateg Swamp, Rock River to Pipersville, Vulture's Tamarack, and woods south of town all within a 7½-mile radius).—Dec. 26; 7.30 A.M. to 5.20 P.M. Clear all day; very light south wind; temp. 10° to 34° to 26°. Observers in 4 groups. Total miles, 26 by car, 52 by foot. Red-shouldered Hawk, 1 (Wendland, Danner); Marsh Hawk, 2; Hungarian Partridge, 119 (11 coveys); Pheasant, 56; Screech Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Flicker, 25; Hairy Woodpecker, 36; Downy Woodpecker, 38; Prairie Horned Lark, 4; Blue Jay, 35; Crow, 91; Black-capped Chickadee, 249+; White-breasted Nuthatch, 42; Brown Creeper, 7; Golden-crowned Kinglet, 4; Starling, 28; English Sparrow, 500 (est.); Eastern Meadowlark, 1; Cardinal, 3; Purple Finch, 2 (Fischer, Schumann); Common Redpoll, 23; Pine Siskin, 17; Goldfinch, 2; Slate-colored Junco, 23; Tree Sparrow, 168; Song Sparrow, 1; Lapland Longspur, 4; Snow Bunting, 1 (Owen, Wallner). Total, 30 species, 1485+ individuals. Tracks of Bob-whites were noted several times but no birds seen. Prairie Horned Larks observed at 30 ft. with 8-power glasses, line over eye white instead of yellow (Reideman, Bussewitz). Golden-crowned Kinglets seen with 8-power glasses at 40 ft. (Bussewitz). Meadowlark seen at 30 ft. for 10 min. with 8-power glasses, notes

and color were noted (Mundt). Song Sparrow observed within 10 ft. for some time (Wendland, Danner).—EARNST WENDLAND, J. ORVIN MUNDT, ALFRED WALLNER, ALFRED FISCHER, WALTER SCHUMANN, HARVEY REIDEMAN, JOHN DANNER, JOHN KOTCHIAN, D. NIERE, V. QUANDT, ELTON BUSSEWITZ.

Minneapolis, Minn. (Lake Harriet, Basspond, Nine Mile Creek, and Minnesota River).—Dec. 26; 9 A.M. to 5 P.M. Clear to partly cloudy; 2-in. snow; wind east, light; temp. 4° to 10°. About 30 miles by auto; 12 miles on foot. Ring-necked Pheasant, 29; Wilson's Snipe, 5; Great Horned Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 18; Blue Jay, 4; Black-capped Chickadee, 3; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 3; Robin, 1; Cardinal, 5; Slate-colored Junco, 7; Tree Sparrow, 70; Song Sparrow, 1. Total, 17 species, 166 individuals.—E. D. SWEDENBERG.

Backbone State Park (Delaware Co.), Iowa.—Dec. 20; 8.30 A.M. to 3.30 P.M. Cloudy most of the day, with only occasional glimpses of the sun, snow in the air part of the day; about 10-in. snow, partially ice-encrusted, on the ground, with fair-sized drifts; trees and bushes covered with sleet and snow; light northwest wind; temp. 19° at start, same at return. About 4 miles on foot in the park, and an auto ride from Winthrop to the park on which a few birds were added to the list. Observers together except for short side-trips in pairs. Ring-necked Pheasant, 5; Great Horned Owl, 1 (observed at starting-point); Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 25; Crow, 18; Chickadee, 12; White-breasted Nuthatch, 7; Brown Creeper, 1; Starling, 36; Cardinal, 12; Purple Finch, 30; Goldfinch, 35; Slate-colored Junco, 150; Tree Sparrow, 200; Song Sparrow, 1. Total, 18 species, 543 individuals. English Sparrows, though common about all groups of farm buildings, were considered too domesticated for inclusion in the census.—Mr. and Mrs. MYRLE L. JONES, PAUL AUDUBON PIERCE, FRED J. PIERCE.

Des Moines, Iowa (to Brenton's Slough, Fischer's Lake, Morningstar Farm, Beaver Creek, Charles Sing Denman Woods, Brown's Woods, Walnut Woods State Park, Waukonsa Woods and Ashworth Park).—Dec. 23; 8 A.M. to 5 P.M. Clear in A.M., becoming cloudy in P.M.; cold east wind; temp. 11° at start, 25° at noon, 29° at return. Fifteen observers in 5 groups. Combined mileage, 152 by auto, 30 on foot. Mallard, 305; Baldpate, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 4; Bob-white, 17 (2 coveys); Mourning Dove, 6; Screech Owl, 2; Great Horned Owl, 6; Barred Owl, 1; Kingfisher, 1; Flicker, 38; Red-bellied Woodpecker, 28; Hairy Woodpecker, 27; Downy Woodpecker, 79; Blue Jay, 47; Crow, 2086 (a flock of 2000 est.); Black-capped Chickadee, 258; Tufted Titmouse, 29; White-breasted Nuthatch, 87; Brown Creeper, 17; Bluebird, 4; Golden-crowned Kinglet, 5; Cedar Waxwing, 4; Northern Shrike, 1; Starling, 157; English Sparrow, 2400; Meadowlark, 5; Cardinal, 89; Purple Finch, 14; Pine Siskin, 200; Goldfinch,

226; Slate-colored Junco, 551; Tree Sparrow, 956; Harris's Sparrow, 1 (H. R. P.); Song Sparrow, 10. Total, 37 species, 8706 (est.) individuals. The Harris's Sparrow was studied with 8-power glasses at 30 ft. and had been observed 2 weeks earlier. This Sparrow is a common spring and fall migrant through Iowa. A flock of Red Crossbills varying in number from 15 to 200 were seen during December near Des Moines in Madison County. They have been there for 8 weeks and were observed by 3 members of the Des Moines Audubon Society, Kate La Mar, Mrs. R. J. Thornburg, and Mrs. H. R. Peasley.—GEORGE TONKIN, J. F. THOMPSON, KATE LA MAR, H. L. BUMP, Mrs. MARGARET LUTTON, OLIVIA McCABE, ELIZABETH PECK, JESSIE MORRISON, Mrs. TONI WENDELBURG, EDNA ROUNDS, DWIGHT SMITH, A. F. DENBOER, Mrs. HAROLD JOHNSON, EVANGELINE GROOTERS, Mrs. H. R. PEASLEY, members of the Des Moines Audubon Society.

Harpers Ferry, Iowa (to Dam No. 9, Wexford, Lansing, Waterville, and Waukon Junction).—Dec. 26; 8 A.M. to 4.30 P.M. Clear; 6-in. well-packed snow on ground; no wind; temp. —6° at start, 18° at noon, 16° at return. Observers together. About 62 miles by auto, 10 miles on foot. Long-eared Owl, 1; Flicker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 10; Prairie Horned Lark, 1; Blue Jay, 35; Chickadee, 7; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 3; Brown Creeper, 1; Starling, 48; English Sparrow, 246; Red-wing, 2; Cardinal, 151; Goldfinch, 4; Slate-colored Junco, 181; Tree Sparrow, 738. Total, 18 species, 1449 individuals.—ARTHUR J. PALAS, B. W. WINDER.

Ogden, Iowa.—Dec. 26; 9 A.M. to 12 M., 1.30 to 5 P.M. In forenoon on wooded hillsides and bottom lands along the Des Moines River, 6 miles northeast of Ogden; in afternoon through open prairie country to Beaver Creek 8 miles southwest of Ogden and thence to the heavy timber of Ledges State Park. Weather clear, but slightly hazy; 1 to 2-in. snow on ground; still, with no wind; temp. at start 25°, at noon 40°, and at return 32°. About 4 miles on foot and 48 miles by auto, driving to the various points. Observers together, Hyde joining the party for the afternoon only. Red-tailed Hawk, 2; American Rough-legged Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Horned Owl, 2; Barred Owl, 2; Short-eared Owl, 2; Northern Flicker, 1; Red-bellied Woodpecker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 8; Blue Jay, 7; Crow, 19; Chickadee, 42; White-breasted Nuthatch, 21; Bluebird, 2; Starling, 89; English Sparrow, 87; Western Meadowlark, 1; Red-wing, 55; Cardinal, 8; Goldfinch, 12; Slate-colored Junco, 54; Tree Sparrow, 120; Song Sparrow, 1. Total, 25 species, 549 individuals. The Rough-legged Hawk was observed by Hyde alone, while driving to Ogden; the Sparrow Hawk was observed by Leaverton alone, near Ogden, while he was driving to Ogden. Both Bluebirds were together in a treetop and easily recognized by both Rosen and Leaverton. The Red-wings were feeding on the road and were checked by all three members of the party. Searched for Bob-whites but none found. Mourning Doves and Prairie Chickens recently reported but



Myrle L. Jones

none found today.—W. M. ROSEN, PAUL LEAVERTON, SAM HYDE.

Pierson, Iowa.—Dec. 26; 8 A.M. to 4.30 P.M. Clear; ground partly covered with snow; no wind; temp. 26° at start, 32° at return. Two miles west of town; 8 miles east to Ranney's Knob, then down the valley of the Little Sioux River. Through wooded ravines, over hills, across fields and meadows, and along streams—all types of country covered. About 28 miles by auto and 12 on foot. Observers in 2 groups. Red-tailed Hawk, 3; Rough-legged Hawk, 1; Ring-necked Pheasant, 1; Mourning Dove, 9; Short-eared Owl, 1; Flicker, 5; Hairy Woodpecker, 10; Downy Woodpecker, 8; Blue Jay, 15; Magpie, 1; Crow, 67; Chickadee, 32; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 2; Starling, 118; English Sparrow, 24; Western Meadowlark, 1; Cardinal, 1; Purple Finch, 4; Goldfinch, 3; Slate-colored Junco, 28; Tree Sparrow, 207; Harris's Sparrow, 6; Lapland Longspur, 4000+. Total, 24 species, about 4554 individuals. The Lapland Longspurs were here in great numbers. One flock which were closely observed while they were feeding on grass seeds in a cornfield must have numbered at least 3000. When they arose in flight, only to return to the same spot, it was like the sound of a "rushing mighty wind"; we saw many other flocks almost as large. The finding of the Magpie was a surprise, as we have known of no such eastward movement of these birds as there was in 1936. The Harris's Sparrows and Red-breasted Nuthatches were studied at a distance of about 30 ft. with 8-power glasses.—WIRB R. MILLS, PAUL OSBORN, MELVIN TREPTOW, JACK WARNER, HARRY WILLIAMS.

Fayette, Mo.—Dec. 26; 8 A.M. to 4.30 P.M. Partly cloudy; light wind from east; temp. 22° at start, 40° at return. About 12 miles on foot,



Kate LaMar

and 5 miles in car, all within 6 miles of Fayette. Cooper's Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Rock Dove, 24; Flicker, 13; Red-bellied Woodpecker, 9; Hairy Woodpecker, 4; Downy Woodpecker, 19; Horned Lark, 6; Blue Jay, 26; Crow, 31; Chickadee, 11; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Brown Creeper, 1; Cedar Waxwing, 18 (1 flock); Starling, 17; English Sparrow, 40; Meadowlark, 22 (1 flock); Cardinal, 14; Goldfinch, 6; Junco, 150; Tree Sparrow, 500. Total, 24 species, about 920 individuals. Dec. 24, Robin, 1.—WILLIAM JENNER.

Lebanon, Mo. (radius of 3 miles).—Dec. 25; 9 A.M. to 5 P.M. Cloudy in forenoon, clearing at 2 P.M.; wind west, light; temp. about 40°. Observers together. Red-tailed Hawk, 2; Bob-white, 25 (3 coveys); Horned Owl, 1; Flicker, 16; Pileated Woodpecker, 3; Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 3; Prairie Horned Lark, 13; Crow, 13; Chickadee, 2; Titmouse, 5; White-breasted Nuthatch, 2; Bewick's Wren, 1; Carolina Wren, 1; Mockingbird, 2; Bluebird, 11; Shrike, 1; English Sparrow, 10; Meadowlark, 7; Rusty Blackbird, 22; Bronzed Grackle, 1; Cardinal, 24; Purple Finch, 22; Goldfinch, 2; Slate-colored Junco, 65; Tree Sparrow, 107; Song Sparrow, 3; Lapland Longspur, 350 (est.). Total, 29 species, 719 (est.) individuals. Blue Jay, usually one of our most common winter birds, entirely missing, probably because of light acorn crop.—A. P. DRAPER, POLLY DRAPER, JOHN DRAPER, GEORGE MOORE, JR., GEORGE MOORE, SR.

Fayetteville, Ark. (5-mile radius).—Dec. 21; 9 A.M. to 5 P.M. Clear; strong southwest wind; barometer 30.2 at noon and falling fast; temp. 40° to 45°. Observers together; afoot most of the time. Mallard, 9; Turkey Vulture, 2; Sharp-

shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Harlan's Hawk, 1; Sparrow Hawk, 2; Killdeer, 1; Rock Dove, 7; Mourning Dove, 18; Flicker, 28; Pileated Woodpecker, 2; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Eastern Horned Lark, 14; Prairie Horned Lark, 70; Blue Jay, 30; Crow, 8; Carolina Chickadee, 11; Tufted Titmouse, 6; White-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 3; Mockingbird, 4; Robin, 1200+; Bluebird, 10; Cedar Waxwing, 14; Migrant Shrike, 3; Starling, 17; English Sparrow, 15; Meadowlark, 20; Red-winged Blackbird, 8; Cardinal, 25; Goldfinch, 16; Red-eyed Towhee, 4; Savannah Sparrow, 2; Fox Sparrow, 12; Slate-colored Junco, 50; Harris's Sparrow, 30; White-throated Sparrow, 35; Field Sparrow, 16; Song Sparrow, 4. Total, 45 species and subspecies, 1719 (est.) individuals (very conservative).—WILLIAM D. BAERG, THOMAS QUAY.

Sand Lake Migratory Waterfowl Refuge (Brown Co.), S. D.—Dec. 26; 8.45 A.M. to 12.45 P.M., 1.45 to 5 P.M. Clear; 3-in. snow on ground; Sand Lake dry; Mud Lake, Sandell Lake and the James River frozen; pools of open water from 16 flowing artesian wells. Light north wind, changing to southwest; temp. -10° at start, 10° at noon and 5 P.M. Covered 15 miles of the Refuge, following the James River, or about 20,000 acres. About 5 miles on foot, covering 19 groves and 21 shelters, about 68 miles by pick-up truck. Mallard, 14 (9 drakes and 5 hens) on artesian pool; Green-winged Teal, 1 female (wild cripple on artesian pool); American Rough-legged Hawk, 10 (4 light phase, 6 dark); Golden Eagle, 1 imm.; Prairie Chicken, 53 (3 flocks); Ring-necked Pheasant, 354 (233 cocks and 121 hens); Short-eared Owl, 3; Montana Horned Owl, 2; Downy Woodpecker, 4; Prairie and Hoyt's Horned Lark, 38 (specimens of each examined); Northern Shrike, 1; English Sparrow, 160; Red-wing, 12 (4 males and 8 females about artesian pool and millet feed hopper); Redpoll, 3; Tree Sparrow, 136 (3 flocks); Lapland Longspur, 691; Snow Bunting, 22. Total, 15 species, 1502 individuals. Pheasant total represents approximately one-fourth of birds found during intensive week-by-week censuses made using crew of CCC enrollees. Meadowlark noted Dec. 27; Prairie Falcon, Dec. 21; about 150 Hungarian Partridge present but not found today.—PHILIP A. DuMONT, Mrs. W. G. DuMONT.

Yankton, S. D. (Sisters Grove, adjoining brush and open fields along the Missouri River; woods along the James River; territory between the two, mainly open fields—a diameter of about 10 miles).—Dec. 22; 9.30 A.M. to 4.15 P.M. Fair, cloudy after 2 P.M.; ground covered with snow at start, nearly bare at finish; moderate west wind; temp. 36° at start, 46° at return. About 22 miles by car and 6 miles on foot. Observers together. American Rough-legged Hawk, 2; Ring-necked Pheasant, 1; Great Horned Owl, 2; Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 1; Blue Jay, 1; Crow, 5; Chickadee, 10; White-breasted Nuthatch, 4; Brown Creeper, 3; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; English Sparrow, 25; Pine Siskin, 32; Red Cross-

bill, 20; Tree Sparrow, 25; Lapland Longspur, 10. Total, 18 species, 153 individuals.—AUSTIN P. LARRABEE, ROBERT W. SLOWEY.

Freemont, Neb.—Dec. 26; 8 A.M. to 3 P.M. Clear; no snow on ground; scarcely any wind; temp. 40° at start, 55° at end. Wild Court Park, MacLean's Island, Big Island, cemetery, fields. Marsh Hawk, 2; Sparrow Hawk, 1; Screech Owl, 2; Northern Flicker, 10; Hairy Woodpecker, 11; Downy Woodpecker, 8; Blue Jay, 5; Horned Lark, 3; Crow, 275; Chickadee, 42; White-breasted Nuthatch, 10; Brown Creeper, 12; Robin, 150; Bluebird, 3; Grackle, 2; Golden-crowned Kinglet, 7; Cedar Waxwing, 125; Western Meadowlark, 75; Cardinal, 12 males, 8 females; Pine Siskin, 4; Goldfinch, 25; Towhee, 1; Slate-colored Junco, 250; Tree Sparrow, 75. Total, 24 species, 1328 individuals.—MRS. LILY RUBGO-BUTTON.

North Platte, Neb. (within 15-mile diameter).—Dec. 26; 8 A.M. to 5 P.M. Clear; wind south, light; temp. 20° at start, 35° at return. Observers in pairs or singly; by auto with side trips on foot. Pied-billed Grebe, 1; Mallard, 46; Blue-winged Teal, 15; Sharp-shinned Hawk, 2; American Merganser, 21; Ferruginous Rough-leg, 5; Marsh Hawk, 8; Desert Sparrow Hawk, 2; Bob-white, 18; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 5; Short-eared Owl, 2; Northern Flicker, 4; Red-shafted Flicker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 4; Desert Horned Lark, 51; American Magpie, 194; Eastern Crow, 297; Long-tailed Chickadee, 6; Robin, 3; Golden-crowned Kinglet, 5; Northern Shrike, 1; Starling, 2; Eastern Meadowlark, 15; Thick-billed Red-wing, 33; Cardinal, 1; Eastern Goldfinch, 1; Slate-colored Junco, 50; Shufeldt's Junco, 26; Pink-sided Junco, 55; Tree Sparrow, 223. Total, 33 species, 1109 individuals.—MR. and MRS. WILSON TOUT, HARRY WEAKLY, MR. and MRS. CARL HOLLMAN, MRS. CARL COLLISTER, members of North Platte Bird Club.

Wichita, Kans. (parks, open fields, and wooded streams).—Dec. 21; 7.45 A.M. to 5.15 P.M. Clear; ice lingering on shaded slopes; wind north, light; temp. 28° at start, 31° at return. About 21 miles on foot. Marsh Hawk, 1; Sparrow Hawk, 3; Screech Owl, 1; Flicker, 4; Red-bellied Woodpecker, 1; Downy Woodpecker, 7; Hairy Woodpecker, 9; Horned Lark, 2; Blue Jay, 1; Crow, 11; Chickadee, 6; Tufted Titmouse, 2 (est.); White-breasted Nuthatch, 1; Brown Creeper, 9; Robin, 4; Bluebird, 2; Golden-crowned Kinglet, 2; Cedar Waxwing, 30; Migrant Shrike, 1; Western Meadowlark, 6; Bronzed Grackle, 1; Cardinal, 5; Goldfinch, 7; Arctic Towhee, 12; Slate-colored Junco, 43; Shufeldt's Junco, 3; Tree Sparrow, 179; Harris's Sparrow, 309; Song Sparrow, 6; Smith's Longspur, 8; also English Sparrow, 581. Total, 31 species, 1317 (est.) individuals.—WILFRED GOODMAN.

Afton, Okla.—Dec. 26; 8 A.M. to 5 P.M. Heavy clouds all day, with intermittent light rain in afternoon; ground bare, following a cold and rather snowy late fall, with temp. 4°, 8°, 10°, and 12° on different nights early in December; no appreciable wind; temp. 38° at start, 52° at return. Seven or eight previously studied localities of varying habitat along 15 miles of south border of Ottawa Co., between Grand River bottom (mouth

of Council Hollow) and extreme south west corner of county, studied intensively, with intervening stretches covered rapidly by car. Red-tailed Hawk, 4 (1 in dark phase, presumably *calurus*); Bald Eagle, 1; Marsh Hawk, 3; Prairie Falcon, 1; Sparrow Hawk, 1; Bob-white, 5; Kingfisher, 2; Flicker, 30; Pileated Woodpecker, 2; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 10; Horned Lark, 10; Blue Jay, 20; Crow, 120; Carolina Chickadee, 7; Tufted Titmouse, 15; White-breasted Nuthatch, 4; Brown Creeper, 2; Winter Wren, 1; Texas Wren, 1; Carolina Wren, 8; Mockingbird, 3; Robin, 150; Bluebird, 15; Golden-crowned Kinglet, 6; Cedar Waxwing, 200; Migrant Shrike, 4; Starling, 20; English Sparrow, 30; Meadowlark, 60; Red-wing, 200; Cardinal, 20; Purple Finch, 17; Goldfinch, 30; Red-eyed Towhee, 2; Leconte's Sparrow, 7; Fox Sparrow, 15; Slate-colored Junco, 120; Tree Sparrow, 25; Field Sparrow, 15; Harris's Sparrow, 30; White-crowned Sparrow, 1; White-throated Sparrow, 15; Song Sparrow, 20; Lincoln's Sparrow, 13; Swamp Sparrow, 1; Lapland Longspur, 100; Smith's Longspur, 5. Total, 51 species, 1400 (est.) individuals.—EDWIN T. MCKNIGHT.

Tulsa, Okla. (to Mohawk Park, Garnet Prairies, County Poor Farm and return).—Dec. 23; 8 A.M. to 4.30 P.M. Cloudy and misty in A.M., no rain in P.M.; wind south, light to strong; temp. 36° at start and 42° at return. About 18 miles on foot in Mohawk Park, 5 miles in prairie region, and 42 miles by auto. Observers in 8 separate groups but individuals together in groups. The area covered for this census is the same as covered in 1936 Census. Blue Goose, 2; Mallard, 629; Black Duck, 4; Gadwall, 25; Baldpate, 12; Pintail, 3; Green-winged Teal, 30; Ring-necked Duck, 17; American Golden-eye, 11 (Hughes and Davis); Buffle-head, 2; White-winged Scoter, 1 (adult male, Davis and Hughes); Hooded Merganser, 12; American Merganser, 760; Red-breasted Merganser, 3; Red-tailed Hawk, 5; Harlan's Hawk, 1 (Davis and Hughes); Red-shouldered Hawk, 9; Marsh Hawk, 5; Sparrow Hawk, 2; Bob-white, 15 (1 covey); Ring-necked Pheasant, 4; Coot, 36; Herring Gull, 4; Ring-billed Gull, 38; Mourning Dove, 3; Barred Owl, 2; Belted Kingfisher, 17; Flicker, 60; Pileated Woodpecker, 3; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 6; Hairy Woodpecker, 32; Downy Woodpecker, 44; Prairie Horned Lark, 55; Blue Jay, 93; Crow, 141; Chickadee, 153; Tufted Titmouse, 239; White-breasted Nuthatch, 27; Brown Creeper, 13; Bewick's Wren, 1 (Hughes); Carolina Wren, 6 (also song); Mockingbird, 35; Brown Thrasher, 6 (Davis and Hughes); Robin, 525; Hermit Thrush, 1 (Davis and Hughes); Bluebird, 39; Golden-crowned Kinglet, 3 (in flock); Ruby-crowned Kinglet, 4 (in flock); Cedar Waxwing, 35; Migrant Shrike, 3; Starling, 220 (Hughes and Tenney); Myrtle Warbler, 2 (Force and Schell); English Sparrow, 200; Eastern Meadowlark, 90; Western Meadowlark, 1 (song); Blackbird, sp., 150 (with Cowbird?); Bronzed Grackle, 1; Cardinal, 59; Pine Siskin, 7 (Davis and Hughes); Goldfinch, 35; Red-eyed Towhee, 10 (also singing); Arctic Towhee, 17; Savannah Sparrow, 5 (J. Letson and



Edith R. Force

Beck, separate); Leconte's Sparrow, 2 (Davis and Hughes); Slate-colored Junco, 422; Tree Sparrow, 22; Field Sparrow, 6; Harris's Sparrow, 67; White-crowned Sparrow, 9; White-throated Sparrow, 65; Fox Sparrow, 31; Lincoln's Sparrow, 33; Swamp Sparrow, 9 (Hughes and Davis); Song Sparrow, 38. Total, 76 species, 4657 (est.) individuals. The White-winged Scoter was identified by H. Davis, Director of Mohawk Zoo and Wallace Hughes, Naturalist. It is believed to be a state record. Other birds of particular interest seen within the month were: Great Blue Heron, 1 (Dec. 18, Letson); Winter Wren, 1 (Dec. 14, Davis, Letson, Hughes); Long-billed Marsh Wren, 1 (Dec. 21, Letson); Catbird, 1 (Dec. 21, Davis).—HUGH DAVIS, WALLACE HUGHES, PAUL V. BECK, G. E. and BARBARA TENNEY, ORRIN and ETHEL LETSON, JOB and BOB LETSON, MR. and MRS. H. T. PHILLIPS, H. D. CHASE, BOB LUCKHARDT, CHARLES ALLEN, FRANK REDWINE, JOE HOWARD, BILLY SCHELL, RUSSELL CRALL, HARRY GUNTHEROTH, TOMMY SHARP, BILLY EVANS, MURRAY WILLIAMS, HAL LANE, JANELL DAVIS, MARTHA JANE GITTINGER, EDITH R. FORCE (Recorder for Tulsa Audubon Society).

Austin, Texas.—Dec. 26; 7:30 A.M. to 5:30 P.M. Very foggy all day, with showers in afternoon; wind light and variable; temp. 57° at start, 70° at finish. Four observers, 3 parties until 1 P.M. and 2 parties in the afternoon, about 30 miles on foot and 50 by car. In morning the region between Shoal Creek and Colorado River and north to Dry Creek was covered by all parties; in afternoon, one party went southeast over black-land prairie to Onion Creek and Colorado River; other party along Walnut Creek to Colorado River and down river to Hornsby's Bend. Connecting roads were covered by the census. Ward's Heron, 6; Yellow-crowned Night Heron, 1; Mallard, 2; Pintail, 1; Green-winged Teal, 1; Lesser Scaup, 13; Duck (sp.), 6; Black Vulture

11; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 4; Marsh Hawk, 6; Sparrow Hawk, 21; Bob-white, 28; Killdeer, 39; Spotted Sandpiper, 1; Mourning Dove, 233; Screech Owl, 3; Belted Kingfisher, 7; Northern Flicker, 41; Red-bellied Woodpecker, 14; Golden-fronted Woodpecker, 1; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 3; Texas Woodpecker, 8; Eastern Phoebe, 7; Blue Jay, 75; Crow, 41; Chickadee, 131; Sennett's Titmouse, 26; Brown Creeper, 5; House Wren, 16; Texas Wren, 41; Carolina Wren, 65; Canyon Wren, 2; Mockingbird, 210; Robin, 14; Hermit Thrush, 5; Eastern Bluebird, 52; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 121; American Pipit, 33; Cedar Waxwing, 101; Shrike, 16; Starling, 726; Orange-crowned Warbler, 2; Myrtle Warbler, 155; English Sparrow, 180; Western Meadowlark, 216; Redwing, 150; Rusty Blackbird, 60; Bronzed Grackle, 1; Cowbird, 52; unidentified *Icteria*, 125; Cardinal, 704; House Finch, 101; Eastern Goldfinch, 306; Green-tailed Towhee, 2; Arctic Towhee, 74; Grasshopper Sparrow, 17; Vesper Sparrow, 211; Lark Sparrow, 10; Rock Sparrow, 2; Slate-colored Junco, 343; Chipping Sparrow, 10; Field Sparrow, 268; Harris's Sparrow, 346; White-crowned Sparrow, 274; White-throated Sparrow, 210; Fox Sparrow, 10; Lincoln's Sparrow, 69; Song Sparrow, 203. Total, 70 species; 6141 individuals. Poor visibility prevented the observation of those larger birds usually seen only in the air.—JOHN J. BISSELL, KENNETH C. CLARK, WALTER K. LONG, D. H. WOMACK.

Cove, Texas.—Dec. 25; 6:45 A.M. to 6:45 P.M. Cloudy, dense fog to 9 A.M.; no wind; temp. 46° at start, 58° at return. From 3 miles north of Cove, through field, wood, and pasture, 4 miles south, through marsh, 4 miles farther south to Galveston Bay, low tide, one mile along shore. About 4 miles by auto, 19¼ miles (by pedometer) on foot. Pied-billed Grebe, 1; White Pelican, 40; Brown Pelican, 11; Double-crested Cormorant, 195; Water-Turkey, 1; Ward's Great Blue Heron, 22; American Egret, 12; Snowy Egret, 5; Louisiana Heron, 5; Little Blue Heron, 33; Black-crowned Night Heron, 2; Canada Goose, 44; White-fronted Goose, 5 flocks heard; Mallard, 2000; Black and Mottled Duck (both), 16; Gadwall, 500; Baldpate, 2000; Pintail, 2500; Green-winged Teal, 80; Shoveller, 15; Canvas-back, 15; Lesser Scaup, 500; Golden-eye, 2; Turkey Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 2; Marsh Hawk, 34; Sparrow Hawk, 8; King Rail, 6; Coot, 48; Killdeer, 14; Black-bellied Plover, 26; Wilson's Snipe, 2; Willet, 5; Lesser Yellow-legs, 4; Least Sandpiper, 400; Red-backed Sandpiper, 500; both Eastern and Long-billed Dowitcher, 300; Semipalmated (not many) and Western Sandpiper, 700; Sanderling, 2; Herring Gull, 4; Ring-billed Gull, 54; Laughing Gull, 1; Forster's Tern, 4; Caspian Tern, 1; Mourning Dove, 15; Barn Owl, 2; Barred Owl, 2; Kingfisher, 4; Flicker, 6; Yellow-bellied Sapsucker, 6; Phoebe, 18; Tree Swallow, 1300; Blue Jay, 1; Carolina Chickadee, 2; Tufted Titmouse, 4; both [how identified? Ed.] Western and Eastern House Wren, 13; Carolina Wren, 6; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 6; Mockingbird, 86; Brown Thrasher, 42;

Robin, 42; Hermit Thrush, 29; Blue-gray Gnatcatcher, 11; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 29; American Pipit, 13; Shrike, 9; Starling, 38; White-eyed Vireo, 1; Blue-headed Vireo, 6; Orange-crowned Warbler, 11; Myrtle Warbler, 4; Pine Warbler, 27; Yellow-throat, 18; Meadowlark, 17; Red-wing, 300; Rusty Blackbird, 7; Boat-tailed Grackle, 100; Bronzed Grackle, 50; Cowbird, 3000; Cardinal, 120; Goldfinch, 17; Savannah Sparrow, 102; Henslow's Sparrow, 1; Seaside Sparrow, 2; Vesper Sparrow, 40; Field Sparrow, 53; White-throated Sparrow, 210; Lincoln's Sparrow, 19; Swamp Sparrow, 125; Song Sparrow, 4. Total, 96 species and 3 subspecies, 16,200 (est.) individuals. Most numbers are estimates. Ring-necked Duck, Lesser Snow Goose, Short-eared Owl and Vermilion Flycatcher were seen Dec. 25. Two Vermilion Flycatchers appearing Oct. 9, one still remaining, were the first I had seen in about twenty years. The Short-eared Owl is my first record.—A. K. McKAY.

Edinburg, Texas.—Dec. 26; 7:15 A.M. to 5:30 P.M. Cloudy; strong southeast breeze; temp. 65° min., 75° max. By auto 40 miles, on foot about 10 miles. One group. Pattie and J. Rutherford worked only in P.M. C. Rutherford and Hamilton worked in A.M. Mexican Grebe, 47; Pied-billed Grebe, 13; Mexican Cormorant, 15; Anhinga, 1; Ward's Heron, 1; Snowy Egret, 1; Black-crowned Night Heron, 3; Mallard, 150; Baldpate, 25; Pintail, 100; Green-winged Teal, 80; Blue-winged Teal, 80; Cinnamon Teal, 25; Shoveller, 101; Redhead, 24; Ring-necked Duck, 4; Canvas-back, 10; Greater Scaup, 10; Lesser Scaup, 15; Ruddy Duck, 107; Turkey Vulture, 6; Black Vulture, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Swainson's Hawk, 1; Harris's Hawk, 2; Marsh Hawk, 6; Audubon's Caracara, 1; Duck Hawk, 1; Sparrow Hawk, 17; Bob-white, 6; Florida Gallinule, 2; Coot, 132; Killdeer, 30; Wilson's Snipe, 4; Lesser Yellow-legs, 15; Least Sandpiper, 40; Western Sandpiper, 13; Black-necked Stilt, 5; Mourning Dove, 22; Ground Dove, 2; Inca Dove, 5; Road-runner, 3; Belted Kingfisher, 1; Texas Kingfisher, 1; Golden-fronted Woodpecker, 19; Texas Woodpecker, 7; Derby Flycatcher, 3; Phoebe, 1; Vermilion Flycatcher, 11; Tree Swallow, 5; Green Jay, 5; Black-crested Titmouse, 3; Verdin, 1; Western House Wren, 12; Cactus Wren, 4; Prairie Marsh Wren, 5; Mockingbird, 30; Brownsville Thrasher, 4; Sennett's Thrasher, 4; Gnatcatcher, 2; Ruby-crowned Kinglet, 2; American Pipit, 35; Shrike, 21; Orange-crowned Warbler, 2; Myrtle Warbler, 91; Pine Warbler, 3; Western Yellow-throat, 8; English Sparrow, 75; Rio Grande Meadowlark, 35; Redwing, 500; Audubon's Oriole, 2; Brewer's Blackbird, 3; Great-tailed Grackle, 225; Cardinal, 25; Pyrrhuloxia, 27; Sharpe's Seedeater, 5; Goldfinch, 45; Texas Sparrow, 2; Savannah Sparrow, 1; Vesper Sparrow, 25; Lark Sparrow, 15; Chipping Sparrow, 1; Black-throated Sparrow, 32; White-crowned Sparrow, 16. Total, 85 species, 2300 (est.) individuals. Hooded Oriole was seen Dec. 25.—F. A. PATTIE, CLYDE RUTHERFORD, JORDAN RUTHERFORD, LOU COLLINS PIPER, CHARLES HAMILTON, sponsored by Edinburg Natural History Society.

Harlingen, Texas (area, a circle of 7½-mile radius with a diameter extending from Harlingen to Santa Maria).—Dec. 23; dawn until dusk. Clear; no wind; ground muddy; temp. 43° min., 74° max. About 35 miles on foot and 135 miles by car. Observers in 9 groups in A.M. and 8 groups in P.M. Mexican Grebe, 21; Pied-billed Grebe, 28; White Pelican, 10; Mexican Cormorant, 194; Anhinga, 29; Ward's Heron, 32; American Egret, 32; Snowy Egret, 64; Louisiana Heron, 15; Little Blue Heron, 27; Green Heron, 1; Black-crowned Night Heron, 60; American Bittern, 2; Glossy Ibis, 1; White-fronted Goose, 5; Mallard, 19; Mottled Duck, 4; Gadwall, 6; Pintail, 116; Green-winged Teal, 9; Blue-winged Teal, 64; Cinnamon Teal, 2; Shoveller, 19; Redhead, 2; Ring-necked Duck, 9; Canvas-back, 30; Scaup, 192; Ruddy Duck, 15; Turkey Vulture, 268; Black Vulture, 263; White-tailed Kite, 1; Sharp-shinned Hawk, 6; Cooper's Hawk, 10; Red-tailed Hawk, 17; Western Red-tailed Hawk, 1; Red-shouldered Hawk, 16; Broad-winged Hawk, 1; Zone-tailed Hawk, 1; Sennett's White-tailed Hawk, 2; Harris's Hawk, 39; Mexican Black Hawk, 4; Marsh Hawk, 81; Audubon's Caracara, 34; Duck Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 163; Chachalaca, 12; Bob-white, 66; Sora, 1; Florida Gallinule, 6; Coot, 193; Killdeer, 103; Wilson's Snipe, 28; Long-billed Curlew, 3; Spotted Sandpiper, 16; Solitary Sandpiper, 1; Greater Yellow-legs, 12; Lesser Yellow-legs, 81; Least Sandpiper, 85; Dowitcher, 115; Semipalmated Sandpiper, 44; Western Sandpiper, 92; Sanderling, 4; Black-necked Stilt, 1; Herring Gull, 4; Ring-billed Gull, 1; Laughing Gull, 1; Gull-billed Tern, 2; Forster's Tern, 11; Common Tern, 1; Caspian Tern, 1; Mourning Dove, 46; White-winged Dove, 1; Ground Dove, 34; Inca Dove, 12; White-fronted Dove, 15; Road-runner, 5; Groove-billed Ani, 5; Screech Owl, 2; Horned Owl, 2; Burrowing Owl, 4; Barn Owl, 2; Merrill's Pauraque, 18; Belted Kingfisher, 25; Texas Kingfisher, 13; Northern Flicker, 3; Golden-fronted Woodpecker, 42; Yellow-bellied Sapsucker, 1; Texas Woodpecker, 91; Couch's Kingbird, 11; Derby Flycatcher, 74; Phoebe, 48; Say's Phoebe, 2; Pewee, 1; Vermilion Flycatcher, 80; Tree Swallow, 4; Purple Martin, 2; Green Jay, 70; White-necked Raven, 1; Black-crested Titmouse, 33; Verdin, 7; House Wren, 58; Texas Wren, 18; Lomita Wren, 27; Cactus Wren, 19; Prairie Marsh Wren, 8; Mockingbird, 273; Sennett's Thrasher, 36; Brownsville Thrasher, 69; Robin, 1; Hermit Thrush, 1; Bluebird, 13; Gnatcatcher, 122; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 17; American Pipit, 149; Sprague's Pipit, 9; Cedar Waxwing, 12; Shrike, 105; Rio Grande Vireo, 35; Blue-headed Vireo, 3; Black and White Warbler, 15; Orange-crowned Warbler, 40; Tennessee Warbler, 6; Nashville Warbler, 2; Yellow Warbler, 2; Myrtle Warbler, 226; Black-throated Green Warbler, 17; Sycamore Warbler, 1; Pine Warbler, 16; Yellow-throat, 52; Wilson's Warbler, 2; English Sparrow, 58; Meadowlark, 155; Western Meadowlark, 1; Red-wing, 4864; Audubon's Oriole, 10; Brewer's Blackbird, 11; Great-tailed Grackle, 6146; Cowbird, 9; Red-eyed Cowbird, 1; Cardinal, 180; Pyrrhuloxia, 28; Sharpe's Seedeater, 55; American Goldfinch, 13; Texas Sparrow,

110; Green-tailed Towhee, 1; Savannah Sparrow, 40; Grasshopper Sparrow, 4; Vesper Sparrow, 9; Lark Sparrow, 53; Black-throated Sparrow, 19; Chipping Sparrow, 1; Field Sparrow, 5; White-crowned Sparrow, 2; White-throated Sparrow, 8; Lincoln's Sparrow, 32; Song Sparrow, 4. Total, 158 species, 15,519 individuals. The two Martins were together; the following points were observed by Davis: notched tail, all-black underparts, and Swallow flight.—L. IRBY DAVIS, STANLEY B. MULAİK, DOROTHEA UPP MULAİK, MRS. FRANK DENZER, MRS. D. C. RING, DARRRELL RING, members of Lower Rio Grande Valley Nature Club; ANNA MAY DAVIS, MILTON FONES, EARLE WRIGHT, JACKSON LARSON, WALTER NIXON, GERALD PHILLIPS, LAWRENCE GUENZEL, JACK ROBERTS, JACK DARDEN, E. C. McMANUS, WALTER SIEGLER, HAROLD PRICE, BRYCE BROWN, GLENN HOUSINGER, members of Harlingen High School Bird Club.

Mission, Texas.—Dec. 20; 7 A.M. to 5 P.M. Cloudy; a few showers; wind north, light; temp. 46° at start, 62° at finish. About 8 miles on foot, 40 miles by car. Mexican Grebe, 1; Pied-billed Grebe, 2; Mexican Cormorant, 7; Ward's Heron, 2; American Egret, 1; Snowy Egret, 11; Louisiana Heron, 2; Little Blue Heron, 1; Black-crowned Night Heron, 1; Gadwall, 2; Pintail, 1; Green-winged Teal, 1; Blue-winged Teal, 6; Cinnamon Teal, 10; Shoveller, 15; Lesser Scaup, 3; Ruddy Duck, 9; Turkey Vulture, 2; Black Vulture, 3; Cooper's Hawk, 1; Red-shouldered Hawk, 7; Marsh Hawk, 4; Sparrow Hawk, 4; Bob-white, 1; Sandhill Crane, 5; Florida Gallinule, 4; Coot, 35; Killdeer, 30; Wilson's Snipe, 4; Spotted Sandpiper, 1; Greater Yellow-legs, 1; Long-billed Dowitcher, 8; Semipalmated Sandpiper, 1; Western Sandpiper, 350; Black-necked Stilt, 4; Gull-billed Tern, 1; Black Skimmer, 2; Mourning Dove, 30; Ground Dove, 5; Screech Owl, 1; Burrowing Owl, 2; Merrill's Parakeet, 1; Belted Kingfisher, 1; Texas Kingfisher, 3; Red-shafted Flicker, 1; Texas Woodpecker, 24; Golden-fronted Woodpecker, 30; Yellow-bellied Sapsucker, 1; Derby Flycatcher, 7; Phoebe, 18; Say's Phoebe, 1; Vermilion Flycatcher, 8; Green Jay, 60; Black-crested Titmouse, 32; Verdin, 8; House Wren, 54; Texas Wren, 2; Lomita Wren, 10; Cactus Wren, 2; Prairie Marsh Wren, 1; Mockingbird, 35; Sennett's Thrasher, 12; Robin, 1; Bluebird, 2; Blue-gray Gnatcatcher, 32; Ruby-crowned Kinglet, 4; Pipit, 12; Sprague's Pipit, 20; Cedar Waxwing, 4; White-rumped Shrike, 12; Rio Grande Vireo, 1; Orange-crowned Warbler, 22; Myrtle Warbler, 175; Audubon's Warbler, 2; Yellow-throat, 21; House Sparrow, 25; Meadowlark, 25; Western Meadowlark, 1; Red-wing, 200; Audubon's Oriole, 12; Brewer's Blackbird, 6; Great-tailed Grackle, 200; Gray-tailed Cardinal, 250; Sharpe's Seed-eater, 1; Goldfinch, 110; Texas Sparrow, 36; Savannah Sparrow, 25; Grasshopper Sparrow, 1; Lark Sparrow, 1; Black-throated Sparrow, 6; Field Sparrow, 9; Lincoln's Sparrow, 26; Swamp Sparrow, 1. Total, 93 species, 2135 individuals.—ARTHUR T. HALB, JR.

Columbia Falls, Mont. (around town, through the Flat to the river, from town to old river bridge, along north bank of Flathead River to railroad, around Montana Soldiers' Home, on

the island south of old pole-yard, south along old state road No. 2, by car to McWinniger Slough; around Rogers' ranch, by Tom Rogers).—Dec. 25; 8.30 A.M. to 5.30 P.M. Heavy, low clouds, cleared for about an hour between 11 and 12 A.M.; strong south wind all day, with snow-squalls, blizzard; about 2-in. snow on ground; temp. 10° to 20°. Coot, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 15; Western Goshawk, 2; Rocky Mountain Hairy Woodpecker, 1; American Magpie, 10; Rocky Mountain Pine Grosbeak, 7; Redpoll, 25; Pale Goldfinch, 5; English Sparrow, 80; Bohemian Waxwing, 1; Dipper, 1; Rocky Mountain Creeper, 1; Rocky Mountain Nuthatch, 1; Long-tailed Chickadee, 47. Total, 15 species, 198 (est.) individuals. The absence of all Ducks and of the Townsend's Solitaire from its winter feeding-grounds is most unusual.—ANDY WESTBERG, TOM ROGERS, CARLETON THOROMAN.

Fortine, Mont. (forests, farms, and river-flats along Fortine and Grave creeks).—Dec. 20; 8.30 A.M. to 4.30 P.M. Cloudy, very dull; fine snow falling first two hours; 2 to 4-in. old, crusted snow on ground (very noisy); calm except for occasional north breeze; temp. 22° to 29°. About 18 miles on foot. Mallard, 19; Barrow's Golden-eye, 4; Ruffed Grouse, 4; Wilson's Snipe, 2; Red-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Arctic Three-toed Woodpecker, 1; Black-headed Alpine Three-toed Woodpecker, 1; Black Nuthatch, 1; Jay, 1; Magpie, 12; Raven, 11; Clark's Nutcracker, 29; Chickadee (*atricapillus* subsp.), 16; Mountain Chickadee, 139; Rocky Mountain Nuthatch, 55; Red-breasted Nuthatch, 308+; Creeper, 1; Dipper, 1; Bohemian Waxwing, 2; Northwest Shrike, 1; Evening Grosbeak, 2; (Bendire's) Red Crossbill, 214+; Junco (*oreganus* subsp.), 12 (1 flock); Snow Bunting, 3. Total, 25 species, 842+ individuals. The unusual abundance of Mountain Chickadees, Red-breasted Nuthatches, and Crossbills is due in part to the largest Douglas fir seed crop since 1930. All three species were feeding on the seeds of fir, larch, and spruce. Juncos are very rarely seen here in winter.—WINTON WEYDEMAYER.

Missoula, Mont. (Bitterroot River, Miller Creek, Grass Valley, Black Butte, Pattee Canyon, Crazy Gulch).—Dec. 24; 8 A.M. to 4 P.M. Cloudy; ground bare in valleys; wind southwest, fresh; temp. 15° at start, 25° at return. About 7 miles on foot, 15 by car. Observers together until noon. Great Blue Heron, 1; Mallard, 405; Green-winged Teal, 4; American Golden-eye, 2; American Merganser, 2; Rough-legged Hawk, 2; Marsh Hawk, 1; Common Pheasant, 14; Wilson's Snipe, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 3; Magpie, 87; Clark's Nutcracker, 3; Long-tailed Chickadee, 26; Mountain Chickadee, 11; Rocky Mountain Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 2; Golden-crowned Kinglet, 28; Bohemian Waxwing, 2; Northern Shrike, 1; English Sparrow, 230; Cowbird, 1; Evening Grosbeak, 2; Redpoll, 14; Pine Siskin, 17; American Crossbill, 2; Junco, 24; Tree Sparrow, 12; Song Sparrow, 5. Total, 34 species, 917 (est.) individuals. The Cowbird was seen in a hog-pen at a ranch and was

studied through 7-power binoculars by two members of the party; size, form, and color carefully noted.—ARNOLD BOLLE, DONALD M. HETLER, K. D. SWAN.

Douglas, Wyo. (along North Platte River from Irvine to Orpha).—Dec. 26; 8.30 A.M. to 4.45 P.M. Clear; snow in patches; wind from southwest, strong; temp. 32° at start, 38° at return. Partly by auto, partly by foot. Observers in pairs. American Rough-legged Hawk, 4; Golden Eagle, 4; Marsh Hawk, 5; Prairie Falcon, 1; Sparrow Hawk, 1; Sharp-tailed Grouse, 3; Ring-necked Pheasant, 6; Wilson's Snipe, 1; Horned Owl, 4; Long-eared Owl, 6; Red-shafted Flicker, 2; Hairy Woodpecker, 2; Batchelder's Woodpecker, 5; Horned Lark, 3241; American Magpie, 122; Long-tailed Chickadee, 33; Mountain Chickadee, 9; Townsend's Solitaire, 1; English Sparrow, 73; Red-wing, 25; Northern Pine Siskin, 5; Goldfinch, 33; Pink-sided Junco, 1; Tree Sparrow, 303; Song Sparrow, 2; Alaska Longspur. Total, 26 species, 3892 (est.) individuals. The Alaska Longspurs were found mixed in with the Horned Larks and could therefore hardly be estimated. A flock of 80 (est.) Gray-crowned and Hepburn's Rosy Finches had remained in one locality near Douglas for over a month up to Dec. 25, but diligent searching failed to locate them for the census on the 26th.—W. R. EASTMAN, JR., KENNETH COOK, ALAN HAY, WARREN GARST.

Laramie, Wyo. (from Laramie River to Pole Mountain district of Medicine Bow National Forest and back).—Dec. 25; 8 to 11.45 A.M., 12.30 to 5 P.M. Cloudy; 6-in. snow on ground; wind west, brisk; temp. 22° at start, 31° at 12.30, and 15° at return. About 13 miles by auto, with about 9 miles of side trips by foot. Green-winged Teal, 1; American Golden-eye, 9; Sharp-shinned Hawk, 1; Prairie Falcon, 1; Wilson's Snipe, 1; Red-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 118; Steller's Jay, 1; American Magpie, 25; Black-capped Chickadee, 4; Mountain Chickadee, 5; Red-breasted Nuthatch, 1; Robin, 1; Townsend's Solitaire, 2; Starling, 5 (I believe this is one of the farthest west points in its present distribution); English Sparrow (not counted); Cassin's Purple Finch, 5; House Finch, 40; Redpoll, 2; Crossbill, 8; Shufeldt's Junco, 1; Montana Junco, 3; Pink-sided Junco, 6; Tree Sparrow, 1. Total, 26 species, 245 individuals, plus English Sparrows.—FRANCIS W. MICKLEY.

Torrington, Wyo. (Wyoming-Nebraska state line, along North Platte River, to about 3 miles above Torrington).—Dec. 21; 9 A.M. to 5 P.M. Clear; no snow; wind northwest, strong; temp. 40° at start, 38° at return. About 11 miles (in a straight line) on foot. Observers on opposite sides of the river. Mallard, 16,000 (est.); European Widgeon, 1; Baldpate, 19; Pintail, 1; Green-winged Teal, 16; American Golden-eye, 6; American Merganser, 25; American Rough-legged Hawk, 4; Ferruginous Rough-leg, 1; Golden Eagle, 6; Marsh Hawk, 1; Prairie Falcon, 1; Bob-white, 4 (1 covey); Ring-necked Pheasant, 36; Killdeer, 2; Wilson's Snipe, 4; Horned Owl, 1; Belted Kingfisher, 3; Red-shafted Flicker, 1; Hairy Woodpecker, 2; Batchelder's Woodpecker, 1; Horned Lark, 87; American Magpie, 167; Long-tailed

Chickadee, 4; English Sparrow (not counted); Western Meadowlark, 5; Red-wing, 250; Shufeldt's Junco, 5; Montana Junco, 3; Pink-sided Junco, 6; Tree Sparrow, 63; Song Sparrow, 2; Alaska Longspur, 3. Total, 33 species and subspecies, about 16,730 individuals, plus English Sparrows.—OTTO C. MCCREARY, ARTHUR B. MICKLEY.

Fort Morgan, Colo. (from Fort Morgan west along South Platte River bottoms to Bijou Creek; on return over prairie and upland farms).—Dec. 21; 9.30 A.M. to 4.30 P.M. Clear; 4-in. snow on ground; no wind; temp. 15° at start, 20° at return. About 8 miles on foot. Mallard, 1000 (est.); Green-winged Teal, 20; American Merganser, 3; Cooper's Hawk, 2; Ferruginous Rough-leg, 2; Marsh Hawk, 4; Ring-necked Pheasant, 100 (est.); Wilson's Snipe, 3; Belted Kingfisher, 4; Batchelder's Woodpecker, 3; Horned Lark, 100 (est.); Blue Jay, 3; American Magpie, 100 (est.); Crow, 100 (est.); Long-tailed Chickadee, 3; Robin, 1; White-rumped Shrike, 6; English Sparrow, 100 (est.); Western Meadowlark, 50 (est.); Red-wing, 5000 (est.); House Finch, 8; Shufeldt's Junco, 20; Pink-sided Junco, 50; Gray-headed Junco, 2; Tree Sparrow, 50; Field Sparrow, 500 (est.). Total, 26 species, 7200 (est.) individuals.—EDWARD HELLSTERN.

Jefferson County, Colo. (Marston Lake, south along Platte River and Plum Creek about 4 miles, thence by automobile up Deer Creek to divide and down Turkey Creek to Red Rocks, with stops at several points).—Dec. 22; 7.15 A.M. to 5 P.M. Clear most of the day; 4-in. snow on lower levels, more in the foothills; temp. about 32° most of the day. About 5 miles on foot, 25 by automobile, all within 15-mile diameter. Observers in pairs most of the day. Great Blue Heron, 1; Whistling Swan, 1; Common Mallard, more than 2250; Baldpate, 25; Pintail, 22; Green-winged Teal, 30; Wood Duck, 2; Redhead, 1; American Golden-eye, 3; American Merganser, 200; Cooper's Hawk, 1; American Rough-legged Hawk, 1; Golden Eagle, 1; Marsh Hawk, 15; Ring-necked Pheasant, 30; Coot, 2; Killdeer, 5; Wilson's Snipe, 2; Ring-billed Gull, 30; Rock Dove, 25; Mourning Dove, 2; Screech Owl, 1; Kingfisher, 3; Red-shafted Flicker, 25; Hairy Woodpecker, 2; Downy Woodpecker, 5; Horned Lark, 40; Long-crested Jay, 4; American Magpie, 150; Long-tailed Chickadee, 15; Mountain Chickadee, 4; Rocky Mountain Nuthatch, 3; Rocky Mountain Creeper, 1; Canyon Wren, 1; Townsend's Solitaire, 4; English Sparrow, 25; Western Meadowlark, 75; Red-winged Blackbird, more than 11,000; Purple Finch, 12; House Finch, 40; White-winged Junco, 20; Slate-colored Junco, 25; Shufeldt's Junco, 50; Montana Junco, 6; Pink-sided Junco, 50; Gray-headed Junco, 5; Tree Sparrow, 500 (est.); White-crowned Sparrow, 10; Gambel's Sparrow, 10; Song Sparrow, 40; Alaska Longspur, 2. Total, 51 species, 14,777 individuals. The Whistling Swan and Wood Ducks were individuals that had been living with a group of other water-fowl being fed near Marston Lake; they were at liberty to fly and were part of a group, including Mallards and Baldpates, that were passing the winter at this point. The Rock Doves were living wild

among the Red Rocks.—A. M. BAILEY, ROBERT J. NIEDRACH, JACK WELSH, E. R. KALMBACH.

Albuquerque, N. M.—Dec. 23; 7 to 10 A.M., 12 to 3 P.M. Cloudy, with sun shining occasionally; no snow except a very little in the mountains; no wind; temp. 32° at 7 A.M., 40° at 4 P.M. Two miles of the Rio Grande River with the adjoining small Conservancy Lake and City Park, 10 miles of mesa and 10 miles of Tijeras Canyon were covered. About 35 miles by automobile, 2 miles on foot. Observers together most of the time. Elevation 4970 feet to about 7500 feet. Treganza's Heron, 1; Mallard, 329; Baldpate, 12; Green-winged Teal, 262; Sparrow Hawk, 1; Killdeer, 2; Red-shafted Flicker, 7; Red-naped Sapsucker, 1; White-breasted Woodpecker, 1; Horned Lark, 15 (est.); Robin, 11; Mountain Bluebird, 27; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 8; White-rumped Shrike, 2; Western Meadowlark, 6; Red-wing, 74; Brewer's Blackbird, 27; English Sparrow, 400 (est.); House Finch, 76; Canyon Towhee, 1; Pink-sided Junco, 50 (est.); Gray-headed Junco, 25 (est.); Gambel's Sparrow, 6; Song Sparrow, 7. Total, 25 species, 1392 (est.) individuals.—ERWIN W. and BILLY JOHNS.

Carlsbad, N. M. (along Pecos River at Carlsbad, Carlsbad to Dark Canyon, then to Black River, Blue Springs Falls and return).—Dec. 23; 9 A.M. to 5 10 P.M. Partly cloudy; wind northwest during midday, moderate to strong; temp. 40° at start, 58° at return. About 52 miles by car, 3 on foot, all within area 15 miles in diameter. Observers together. Pied-billed Grebe, 1; Treganza's Heron, 1; Pintail, 3; Green-winged Teal, 4; Shoveller, 4; Redhead, 31; Lesser Scaup, 4; Ruddy Duck, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Swainson's Hawk, 5; Ferruginous Rough-leg, 5; Marsh Hawk, 10; Sparrow Hawk, 1; Scaled Quail, 12; American Coot, 3; Ring-billed Gull, 23; Mourning Dove, 1; Road-runner, 2; Belted Kingfisher, 1; Red-shafted Flicker, 6; White-breasted Woodpecker, 1; Black Phoebe, 3; Say's Phoebe, 3; Flycatcher (sp.), 2; Horned Lark, 92; White-necked Raven, 6; Ro. k Wren, 4; Mockingbird, 4; Crissal Thrasher, 3; Sage Thrasher, 3; Robin, 56; Hermit Thrush, 1; Ruby-crowned Kinglet, 6; American Pipit, 175; White-rumped Shrike, 16; Myrtle Warbler, 7; English Sparrow, 386; Western Meadowlark, 11; Red-wing, 100 (est.); Brewer's Blackbird, 3525 (est.); Cowbird, 95 (est.); House Finch, 23; Desert Sparrow, 6; Sage Sparrow, 16; Slate-colored Junco, 25; White-crowned Sparrow, 324; Song Sparrow, 9. Total, 48 species, 5023 (est.) individuals.—HAROLD J. BRODRICK, GEORGE H. MERRIKEN.

Lewiston, Idaho (up Snake River and Tammany Creek, through Orchards, along Lapwai Creek and Clearwater River and about town).—Dec. 25; 8 A.M. to 4.30 P.M. Sunny; less than inch of snow on ground; stiff south wind; temp. 30° at start, 42° at noon. By car to points of advantage, then scouting on foot—about half the time spent on foot. Observers together. Great Blue Heron, 1; Mallard, 269+; Green-winged Teal, 10; Redhead, 6; Lesser Scaup, 8; American Golden-eye, 10; Buffle-head, 9; American Merganser, 19; Marsh Hawk, 1; Sparrow Hawk, 1; European Partridge, 26 (3 coveys); Ring-necked Pheasant,

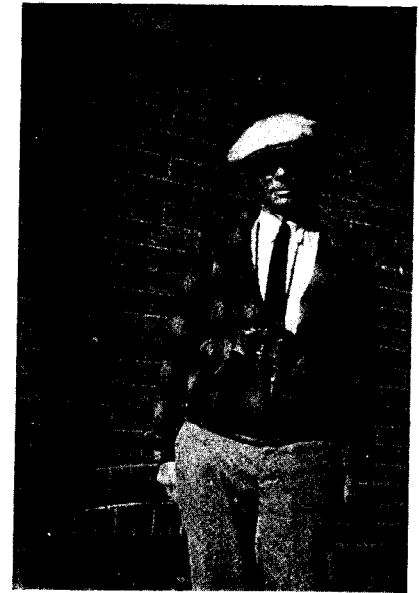
28; Gull (1 identified as Herring), 6; Short-eared Owl, 1; Red-shafted Flicker, 8; Horned Lark, 7; Magpie, 19; Mountain Chickadee, 3; Rock Wren, 4; Golden-crowned Kinglet, 1; Northern Shrike, 2; Meadowlark, 7; House Finch, 105; Pine Siskin, 4; Goldfinch, 204+; Oregon Junco, 10; Song Sparrow, 11. Total, 27 species, 780+ individuals. Flock of 5 Robins seen on 24th. English Sparrows not counted.—LORENA MILLER, LUCILE A. MILLER.

Salt Lake City, Utah.—Dec. 20; 7.30 A.M. to 5 P.M. Light clouds; visibility poor A.M., good P.M.; ground bare; light snow 9 to 11 A.M.; only very shallow water frozen; temp. at start, 32°. Workers in 7 parties, mostly on foot, assisted by autos. No diameter exceeding 15 miles. Pied-billed Grebe, 2; Treganza's Heron, 1; Mallard, 219; Black Duck, 13 (?) (Evans and Neilson); Gadwall, 35; Baldpate, 1666; Pintail, 4134; Green-winged Teal, 84; Shoveller, 17; Wood Duck, 4 (Snow and Cottam); Blue-winged Teal, 10 (Evans and Neilson); Canvas-back, 12; Redhead, 14; Scaup (Gr. ?), 5; American Golden-eye, 3; Buffle-head, 4; American Merganser, 31; Red-breasted Merganser, 3; Red-tailed Hawk, 2; American Rough-legged Hawk, 1; Golden Eagle, 1; Marsh Hawk, 12; Prairie Falcon, 1; Duck Hawk, 1; Sparrow Hawk, 6; California Quail, 847; Ring-necked Pheasant, 87; Virginia Rail, 1; Coot, 20; Killdeer, 59; Wilson's Snipe, 42; Greater Yellowlegs, 1 (Bader and Henriques—several late November records reported); Gulls, 343 (both California and Ring-billed identified); Horned Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Red-shafted Flicker, 76; Lewis's Woodpecker, 20; Hairy Woodpecker, 1; Batchelder's Woodpecker, 1; Horned Lark, 31; Barn Swallow, 1 (Snow and Cottam); Woodhouse's Jay, 20; Magpie, 35; Raven, 3; Mountain Chickadee, 92; Long-tailed Chickadee, 253; Creeper, 6; Water Ouzel, 1; Marsh Wren, 19; Robin, 2; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 5; American Pipit, 5; Nevada Shrike, 2; Audubon's Warbler, 3 (Mrs. Lockerbie and Dewey); English Sparrow, 2377; Meadowlark, 69; Red-wing, 321; Brewer's Blackbird, 459; Cassin's Purple Finch, 21; House Finch, 223; Pine Siskin, 311; Pale Goldfinch, 137; Green-tailed Towhee, 1 (Hansen and Sandall); Spurred Towhee, 56; Gray-headed Junco, 11; Slate-colored Junco, 217; Shufeldt's Junco, 293; Pink-sided Junco, 53; Tree Sparrow, 105; Gambel's Sparrow, 360; White-throated Sparrow, 6 (Evans and Neilson); Song Sparrow, 172. Total, 75 species, counts and estimates total 13,462.—DR. A. M. WOODBURY, C. W. LOCKERBIE, MRS. T. A. DEWEY, MRS. BETH HANSEN, MRS. LILLIAN LOCKERBIE, MRS. A. M. WOODBURY, MISS MARGARET HENRIQUES, MISS WILLMER SANDALL, NORMA SUGDEN, MISSES MARIAN and EDITH WOODBURY, L. D. ALLCOCK; BILL BADER, DICK COTTAM, RAY COWBURN, T. A. DEWEY, THAYER EVANS, REV. HOYT HENRIQUES, DOUGLAS HENRIQUES, ALLEN NEILSON, REX B. SNOW, DALE SMITH, DR. J. W. SUGDEN, KENNETH TANNER, O. S. WALSH, GEORGE R. WALKER, E. R. and DAVID WILSON, DIX and WALTER WOODBURY, of Utah Audubon Society.

Santa Catalina Mts., Ariz. (15-mile diameter on south slope centering about Sabino Canyon).—Dec. 26; 6.45 A.M. to 6 P.M. Cloudy; small patches

of snow at higher altitudes; wind negligible; temp. at base of mountains 39° to 67°. Observers in 4 parties, one (Jenks, Lease, Weston) mostly in higher altitudes, others at base and on the desert. Total 4-party mileage, 23 miles on foot, 70 miles by auto. Life-zones, Lower and Upper Sonoran, Transition, and traces of Canadian. Teal(?), 2; Sharp-shinned Hawk, 2 (plus 1 doubtfully identified); Cooper's Hawk, 1; Western Red-tailed Hawk, 3; Golden Eagle, 2; Marsh Hawk, 2; Prairie Falcon, 1; Sparrow Hawk, 12; Gambel's Quail, 138; American Coot, 1; Killdeer, 2; Wilson's Snipe, 1; Mourning Dove, 97; Inca Dove, 16; Road-runner, 2; Horned Owl, 1; Red-shafted Flicker, 26; Mearns's Gilded Flicker, 8; Gila Woodpecker, 35; Mearns's Woodpecker, 1; Red-naped Sapsucker, 1; Chihuahu Woodpecker, 4; Cactus Woodpecker, 5; Black Phoebe, 7; Say's Phoebe, 1; Beardless Flycatcher, 2; Long-crested Jay, 2; Arizona Jay, 5; American Raven, 2; Mountain Chickadee, 10; Bridled Titmouse, 2; Verdin, 19; Rocky Mountain Nuthatch, 6; Black-eared Nuthatch, 90+; Rocky Mountain Creeper, 1; Western House Wren, 4; Baird's Wren, 1; Cactus Wren, 11; Western Marsh Wren, 5; Canyon Wren, 8; Rock Wren, 17; Mockingbird, 5; Palmer's Thrasher, 25; Crissal Thrasher, 6; Hermit Thrush, 2; Chestnut-backed Bluebird, 147; Western Gnatcatcher, 6 (plus 7 unidentified Gnatcatchers); Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 41; Phainopepla, 15; White-rumped Shrike, 14; Stephens's Vireo, 2; Audubon's Warbler, 17; Black-throated Gray Warbler, 2; Yellow-throat, 2; English Sparrow, 19; Eastern Meadowlark (Arizona race), 2+ (in flock of 20 Meadowlarks believed to be entirely of this species); Western Meadowlark, 27 (plus 2 unidentified Meadowlarks); Yellow-headed Blackbird, 163; Red-wing, 185; Brewer's Blackbird, 52; Arizona Cardinal, 18; Arizona Pyrrhuloxia, 9; Evening Grosbeak, 1; House Finch, 251; Pine Siskin, 32; Green-backed Goldfinch, 3; (Mexican?) Crossbill, 45; Green-tailed Towhee, 5; Spurred Towhee, 5; Canyon Towhee, 16; Abert's Towhee, 4; Lark Bunting, 109; Vesper Sparrow, 35; Lark Sparrow, 26; Desert Sparrow, 31; Slate-colored Junco, 1; Shufeldt's Junco, 20; Pink-sided Junco, 7; Gray-headed Junco, 15+; Arizona Junco, 25+; Chipping Sparrow, 15; Brewer's Sparrow, 2; White-crowned Sparrow, 1 adult (Mr. and Mrs. Foerster); Gambel's Sparrow, 87; Slate-colored Fox Sparrow, 1; Lincoln's Sparrow, 12; (Mountain?) Song Sparrow, 23. Total, 88 species and subspecies, 2124+ individuals. The Blackbird numbers are not representative, as neither morning nor evening flight was carefully observed. Eastern Meadowlarks, not previously recorded locally, were first noticed Dec. 8, when a singing male was taken and others heard calling (Phillips, Holt).—ANDERS H. ANDERSON, MR. and MRS. WILLIAM X. FOERSTER, DR. WILLIAM L. HOLT, RANDOLPH JENKS, RICHARD J. LEASE, ALLAN R. PHILLIPS, ROBERT WESTON.

Seattle, Wash.—Dec. 20; 8 A.M. until 4.30 P.M. Mostly overcast, with a slight north breeze 5 miles per hour; temp. averaging 45°. Fifteen observers in the field. Lesser Loon, 6; Pacific Loon, 1; Holboell's Grebe, 7; Horned Grebe, 36;



C. W. Lockerbie

Eared Grebe, 31; Western Grebe, 259; Pied-billed Grebe, 39; White-crested Cormorant, 7; Brandt's Cormorant, 47; Great Blue Heron, 49; Bittern, 6; Whistling Swan, 2; Canada Goose, 11; Mallard, 4319; Baldpate, 65; Pintail, 149; Green-winged Teal, 118; Shoveller, 113; Redhead, 2; Ring-necked Duck, 14; Canvas-back, 198; Greater Scaup, 475; Lesser Scaup, 976; American Golden-eye, 67; Barrow's Golden-eye, 12; Buffle-head, 118; White-winged Scoter, 133; Surf Scoter, 119; Ruddy Duck, 208; Hooded Merganser, 16; American Merganser, 195; Red-breasted Merganser, 79; Sharp-shinned Hawk, 5; Cooper's Hawk, 5; Red-tailed Hawk, 4; Bald Eagle, 1; Osprey, 1; Pigeon Hawk, 2; Sparrow Hawk, 3; Sooty Grouse, 1; California Quail, 76; Ring-necked Pheasant, 61; Coot, 3009; Killdeer, 21; Wilson's Snipe, 53; Western Sandpiper, 15; Glaucous-winged Gull, 2877; Herring Gull, 39; Thayer's Gull, 2; California Gull, 18; Ring-billed Gull, 8; Short-billed Gull, 2358; Bonaparte's Gull, 51; Marbled Murrelet, 2; Band-tailed Pigeon, 155; Rock Dove, 55; Short-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 8; Flicker, 277; Pileated Woodpecker, 2; Gairdner's Woodpecker, 8; Steller's Jay, 42; Crow, 103; Oregon Chickadee, 318; Chestnut-backed Chickadee, 224; Coast Bush-Tit, 194; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 51; Seattle Wren, 74; Tule Wren, 10; Robin, 3718; Varied Thrush, 54; Bluebird, 48; Golden-crowned Kinglet, 523; Ruby-crowned Kinglet, 112; Cedar Waxwing, 1408; Audubon's Warbler, 15; Townsend's Warbler, 2; English Sparrow, 287; Meadowlark, 39; Red-wing, 194; Brewer's Blackbird, 431; Western Evening Gros-

beak, 59; Purple Finch, 153; Pine Siskin, 1952; Goldfinch, 68; Crossbill, 1; Oregon Towhee, 105; Slate-colored Junco, 2; Oregon Junco, 829; White-crowned Sparrow, 4; Song Sparrow, 468. Total, 94 species, 28,497 individuals.—WALTER HAGENSTERN, Chairman of Committee, Seattle Audubon Society.

Spokane, Wash.—Dec. 19; 9 A.M. to 3 P.M. Cloudy; ground bare; light west wind; temp. 30° to 40°. Observers in 5 groups, covering 4 city parks, cemetery, and 2 miles along river in city limits. Mallard, 585; Green-winged Teal, 1; Lesser Scaup, 2; Ruffed Grouse, 1; European Partridge, 14; Ring-necked Pheasant, 3; Belted Kingfisher, 1; Red-shafted Flicker, 22; American Magpie, 8; Long-tailed Chickadee, 19; Red-breasted Nuthatch, 50; Black-eared Nuthatch, 56; Western Robin, 2; Townsend's Solitaire, 1; Golden-crowned Kinglet, 22; Bohemian Waxwing, 100; English Sparrow, 42; Common Redpoll, 2; Pine Siskin, 8; Pale Goldfinch, 62; Bendire's Crossbill, 35; Shufeldt's Junco, 120; Tree Sparrow, 1; Gambel's Sparrow, 4; Song Sparrow, 24. Total, 25 species, 1185 (est.) individuals.—W. B. WRIGHT, President Spokane Bird Club.

Portland, Ore.—Dec. 26; 8:30 A.M. to 4 P.M. Heavy rain; wind 15 to 20 m.p.h.; temp. 40° at start, 45° at close. Thirty-three observers in 13 parties. Horned Grebe, 1; Western Grebe, 1; Pied-billed Grebe, 1; Farallon Cormorant, 4; Great Blue Heron, 15; Canada Goose, 30; Mallard, 607; Baldpate, 3500; Pintail, 123; Green-winged Teal, 2952; Shoveller, 400; Ring-necked Duck, 14; Canvas-back, 50; Lesser Scaup, 90; American Golden-eye, 14; Buffle-head, 33; American Merganser, 800; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Turkey Vulture, 2; Sparrow Hawk, 14; Sooty Grouse, 1; Ruffed Grouse, 2; Bob-white, 24; California Quail, 3; Mountain Quail, 6; Ring-necked Pheasant, 27; Coot, 203; Killdeer, 55; Wilson's Snipe, 2; Glaucous-winged Gull, 2221; Herring Gull, 610; California Gull, 767; Ring-billed Gull, 47; Short-billed Gull, 1380; Mourning Dove, 7; Red-shafted Flicker, 40; Gairdner's Woodpecker, 4; Horned Lark, 8; Steller's Jay, 1; Crow, 449; Oregon Chickadee, 143; Chestnut-backed Chickadee, 18; Slender-billed Nuthatch, 1; Red-breasted Nuthatch, 1; Winter Wren, 2; Seattle Wren, 5; Robin, 105; Varied Thrush, 11; Bluebird, 6; Golden-crowned Kinglet, 49; Pipit, 26; Northwestern Shrike, 1; Audubon's Warbler, 2; Myrtle Warbler, 22; Townsend's Warbler, 1; English Sparrow, 133; Meadowlark, 1; Brewer's Blackbird, 822; Purple Finch, 17; Pine Siskin, 45; Willow Goldfinch, 69; Oregon Towhee, 52; Oregon Junco, 1347; White-crowned Sparrow, 2; Golden-crowned Sparrow, 21; Fox Sparrow, 5; Song Sparrow, 141. Total, 67 species, about 17,558 individuals.—EARL A. MARSHALL, J. W. C. WILLIAMS, MISS MELLA WHITE, MISS CLARA NELSON, EDWARD F. AVERILL, MISS MARIAN AVERILL, STANLEY G. JEWETT, MRS. STANLEY G. JEWETT, STANLEY JEWETT, JR., C. L. MARSHALL, A. OAKES, CLYDE LEON KELLER, CLYDE LEON KELLER, JR., HERMAN T. BOHLMAN, MRS. F. BLAKESLEE, LEO F. SIMON, MITZI SIMON, LOTUS SIMON, HENRY STEINBRUGGE, NORMA J. SEAMAN, MISS ARLIE SEAMAN, DR. W. V. EVANS, W. A.

ELIOT, A. O. WEEKS, B. A. THAXTER, MISS EMMA APPLEGATE, MRS. J. W. C. WILLIAMS, MISS ESTHER MARGLEY, MRS. SUSIE NICHOLSON, HAROLD S. GILBERT, E. S. BARBELDT, W. H. CROWELL, ROBERT LIVINGSTONE.

Benicia, Calif.—Dec. 24; 8 A.M. to 5 P.M. Partly cloudy, turning to cold rain which continued most of day; light southeast wind; temp. 43° at start, 52° at return. Observers traveling together by automobile with occasional stops to canvass the marsh and hills along highway between Benicia and Cordelia, the two towns being 14 miles apart. Pied-billed Grebe, 1; California Heron, 7; American Egret, 4; Black-crowned Night Heron, 2; American Bittern, 1; Lesser Snow Goose, 24; Mallard, 8; Pintail, 50; Green-winged Teal, 6; Shoveller, 30; Canvas-back, 300; American Golden-eye, 3; Buffle-head, 2; Ruddy Duck, 800; White-tailed Kite, 2; Cooper's Hawk, 2; Red-tailed Hawk, 4; Marsh Hawk, 5; Prairie Falcon, 1; Sparrow Hawk, 15; Valley Quail, 30; Coot, 800; Killdeer, 8; Greater Yellow-legs, 6; Western Gull, 80; California Gull, 15; Short-billed Gull, 45; Horned Owl, 1; Burrowing Owl, 2; Anna's Hummingbird, 1; Red-shafted Flicker, 42; Black Phoebe, 1; Say's Phoebe, 2; Horned Lark, 20; Tree Swallow, 6; Nicasio Jay, 35; Plain Titmouse, 3; Bush-Tit, 50; Western Bluebird, 8; Ruby-crowned Kinglet, 10; Pipit, 25; Shrike, 27; Audubon's Warbler, 4; Meadowlark, 300; San Francisco Redwing, 50; Brewer's Blackbird, 3000; House Finch, 350; Willow Goldfinch, 700; Green-backed Goldfinch, 8; San Francisco Towhee, 2; Brown Towhee, 4; Savannah Sparrow, 60; Lark Sparrow, 35; Junco, 15; Nuttall's Sparrow, 110; Golden-crowned Sparrow, 17; Song Sparrow, 3. Total, 57 species, about 7142 individuals. The pair of Kites has been observed almost daily during the past year on a certain small acreage within the area covered. Shore-birds were almost absent due to the usual shoreline being covered by high flood waters from the central valleys. Visibility was not sufficiently satisfactory to identify many wild fowl in the distance.—JAMES M. BARKLEY, EMERSON A. STONER.

Davis (Sacramento Valley), Calif. (lower Putah Creek and Willow Slough east to Sacramento River).—Dec. 22; 6:30 A.M. to 6:30 P.M. Morning, low, heavy fog; afternoon, cloudy, occasional rain; temp. 38° at start, 45° at return. About 8 miles on foot, 75 miles by car. Observers together and separate. Pied-billed Grebe, 13; White Pelican, 1; Great Blue Heron, 18; American Egret, 62; Black-crowned Night Heron, 2; Whistling Swan, 69; Canada Goose, 50; Lesser Canada Goose, 50; White-fronted Goose, 29; Lesser Snow Goose, 40; Mallard, 4; Pintail, 200; Green-winged Teal, 20; Shoveller, 6; Wood Duck, 6; Redhead, 1; Canvas-back, 3; American Golden-eye, 7; Ruddy Duck, 41; Turkey Vulture, 3; White-tailed Kite, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 19; Marsh Hawk, 22; Prairie Falcon, 1; Sparrow Hawk, 36; Valley Quail, 45; Ring-necked Pheasant, 26; Coot, 1300; Killdeer, 18; Least Sandpiper, 900; Long-billed Dowitcher, 6; California Gull, 34; Mourning Dove, 112; Barn Owl, 1; Horned Owl, 1; Burrowing Owl, 3; Belted Kingfisher, 2; Red-shafted Flicker, 129; California

Woodpecker, 26; Willow Woodpecker, 2; Nuttall's Woodpecker, 4; Black Phoebe, 4; Horned Lark, 5000; California Jay, 33; Yellow-billed Magpie, 25; Western Crow, 75; Plain Titmouse, 3; Slender-billed Nuthatch, 1; Wren-Tit, 8; House Wren, 3; Mockingbird, 5; Robin, 13; Hermit Thrush, 1; Western Bluebird, 11; Mountain Bluebird, 95; Gnatcatcher, 1; Ruby-crowned Kinglet, 16; American Pipit, 274; Cedar Waxwing, 20; California Shrike, 20; Orange-crowned Warbler, 1; Audubon's Warbler, 180; Western Yellow-throat, 2; House Sparrow, 30; Western Meadowlark, 181; Yellow-headed Blackbird, 4; Red-wing, 5560; Brewer's Blackbird, 38; House Finch, 300; Willow Goldfinch, 100; Green-backed Goldfinch, 130; Sacramento Towhee, 14; Sacramento Brown Towhee, 3; Savannah Sparrow, 66; Lark Sparrow, 100; Thurber's Junco, 110; White-crowned Sparrow, 205; Golden-crowned Sparrow, 13; Lincoln's Sparrow, 6; Song Sparrow, 17. Total, 82 species, 15,879 individuals.—JOHN T. EMLIN, JR., WALTER E. HOWARD.

Los Angeles, Calif.—Dec. 20; 7 A.M. to 5 P.M. Territory: section radiating 7½ miles from La Cienega and Airdrome Crossing, in Los Angeles. Sunny; visibility good; high wind, velocity from 24 to 50 miles; much dust; temp. 58° to 70°. Average mileage, 110 miles by automobile, 33 miles on foot. Observers in 10 groups of 2 or 3 each. Common Loon, 1; Pacific Loon, 3; Red-throated Loon, 4; Western Grebe, 6; Horned Grebe, 1; Eared Grebe, 12; Pied-billed Grebe, 9; Brown Pelican, 15; Farallon Cormorant, 28; Brandt's Cormorant, 3; California Heron, 1; American Egret, 3; Green Heron, 1; Black-crowned Night Heron, 1; Mallard, 5; Baldpate, 2; Shoveller, 2; Pintail, 4; Canvas-back, 2; Lesser Scaup, 127; White-winged Scoter, 43; Surf Scoter, 200; Ruddy Duck, 38; American Merganser, 50; Red-breasted Merganser, 8; Turkey Vulture, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 8; Bald Eagle, 1; Sparrow Hawk, 16; Valley Quail, 181; Virginia Rail, 1; American Coot, 221; Black-bellied Plover, 360; Killdeer, 216; Hudsonian Curlew, 50; Willer, 636; Greater Yellow-legs, 4; Marbled Godwit, 175; Sanderling, 455; Glaucous-winged Gull, 36; Western Gull, 78; Herring Gull, 2; California Gull, 98; Ring-billed Gull, 773; Heermann's Gull, 37; Bonaparte's Gull, 300; Forster's Tern, 79; Western Mourning Dove, 43; Chinese Spotted Dove, 40; Road-runner, 1; Barn Owl, 4; Screech Owl, 6; Burrowing Owl, 5; White-throated Swift, 33; Black-chinned Hummingbird, 3; Anna's Hummingbird, 82; Belted Kingfisher, 3; California Woodpecker, 12; Red-shafted Flicker, 39; Cassin's Kingbird, 1; Say's Phoebe, 7; Black Phoebe, 33; Horned Lark, 15; California Jay, 56; San Diego Titmouse, 17; Bailey's Chickadee, 1; Bush-Tit, 257; Wren-Tit, 71; San Diego Wren, 5; Winter Wren, 1; House Wren, 6; Mockingbird, 90; California Thrasher, 10; Hermit Thrush, 17; Robin, 5; Western Bluebird, 25; Ruby-crowned Kinglet, 7; American Pipit, 8; California Shrike, 48; Hutton's Vireo, 4; Audubon's Warbler, 301; Townsend's Warbler, 1; Yellow-throat, 7; Red-wing, 42; English Sparrow, 733; Western Meadowlark, 162; Brewer's Blackbird, 2549; California Purple Finch, 17; House



Junea W. Kelley

Finch, 854; Willow Goldfinch, 30; Green-backed Goldfinch, 22; San Diego Towhee, 9; California Towhee, 117; Belding's Sparrow, 11; Stephens's Fox Sparrow, 2; Rufous-crowned Sparrow, 1; Thurber's Junco, 7; White-crowned Sparrow, 9; Gambel's Sparrow, 171; Golden-crowned Sparrow, 29; Song Sparrow, 105. Total, 103 species, 10,435 individuals.—MR. and MRS. CHARLES MICHAEL, MRS. T. R. SHEARER, MRS. HELEN P. GOULDING, MR. and MRS. W. A. KENT, MISS MIRIAM S. FADDIS, MISS BESS MARKSON, MRS. MARY BARNES SALMON, MRS. D. MABEL SERGEANT, MRS. HARRIET W. MYERS, MISS HELEN S. PRATT, MRS. CAROLINE DAUGHERTY, MRS. OLIVER C. EDWARDS, MRS. O. M. STULTZ, MRS. ELLA W. HAMILTON, MISS CHARLOTTE HAMILTON, MRS. GRACE S. HALL, MRS. CLARA VEATCH, MRS. ELSIE HUMPHREY, MRS. H. V. ANDERSON, MISS BERTHA FULLER.

Monterey Peninsula Region, Calif. (Laguna del Rey, Hotel Del Monte grounds, El Estero, Monterey harbor, from S. P. depot to point on beach 1½ miles east, environs of Monterey High School, Hopkins Marine Station, section of oak-studded field at foot of Jacks' Peak, 7 miles north along Carmel Valley highway and to lower section of Robinson Canyon, Carmel Lagoon, and Point Lobos).—Dec. 21; 6:40 A.M. to 6:20 P.M. Clear; ground bare; wind east at start, light northwest later; temp. 44° at start, 49° at return. All within 10-mile diameter. Observers in 2 parties. Common Loon, 18; Pacific Loon, 13; Holboell's Grebe, 2; Horned Grebe, 1; Eared Grebe, 54; Western Grebe, 4; Pied-billed Grebe, 29; Brown Pelican, 162; Brandt's Cormorant, 243; Pelagic Cormorant, 5; Black-crowned Night Heron, 3; American Pin-

tail, 2; Green-winged Teal, 2; Cinnamon Teal, 3; Shoveller, 2; Ring-necked Duck, 2; Canvas-back, 148; Lesser Scaup, 7; American Golden-eye, 1; Buffle-head, 5; White-winged Scoter, 7; Surf Scoter, 225; Ruddy Duck, 243; Hooded Merganser, 1; Red-breasted Merganser, 29; Red-tailed Hawk, 4; Red-bellied Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 7; California Quail, 52; Virginia Rail, 3; Sora, 1; American Coot, 125; Black Oystercatcher, 3; Killdeer, 9; Surf-bird, 2; Black Turnstone, 56; Wilson's Snipe, 5; Least Sandpiper, 1; Sanderling, 40 (1 flock); Glaucous-winged Gull, 938; Western Gull, 400; Herring Gull, 230; California Gull, 787; Ring-billed Gull, 3; Short-billed Gull, 33; Bonaparte's Gull, 11; Heermann's Gull, 12; Murre, 4; Marbled Murrelet, 1; Ancient Murrelet, 3; Band-tailed Pigeon, 2; Barn Owl, 1; Horned Owl, 2; Anna's Hummingbird, 4; Belted Kingfisher, 2; Red-shafted Flicker, 16; California Woodpecker, 26; Hairy Woodpecker, 2; Nuttall's Woodpecker, 3; Black Phoebe, 10; Say's Phoebe, 7; California Jay, 12; Yellow-billed Magpie, 15; Crow, 3; Chestnut-backed Chickadee, 21; Plain Titmouse, 5; Bush-Tit, 58; Pygmy Nuthatch, 7; Creeper, 2; Wren-Tit, 6; Bewick's Wren, 3; Long-billed Marsh Wren, 5; California Thrasher, 2; Robin, 7; Varied Thrush, 3; Hermit Thrush, 3; Western Bluebird, 12; Ruby-crowned Kinglet, 6; American Pipit, 10; Loggerhead Shrike, 4; Audubon's Warbler, 17; Townsend's Warbler, 8; Yellow-throat, 2; English Sparrow, 4; Western Meadowlark, 83; Brewer's Blackbird, 71; Purple Finch, 5; House Finch, 82; Pine Siskin, 153; Willow Goldfinch, 2; Green-backed Goldfinch, 3; Spotted Towhee (*maculatus*), 6; Savannah Sparrow, 26; Oregon Junco, 45; White-crowned Sparrow, 55; Golden-crowned Sparrow, 90; Lincoln's Sparrow, 5; Song Sparrow, 12. Total, 99 species, 4962 individuals. The Hooded Merganser, a female, was studied by L. Williams at short range under excellent light conditions with 25-power telescope; direct comparison was made with Red-breasted Mergansers, and smaller body size, shorter bill, and peculiarly shaped very bushy crest of the Hooded were all noted to entire satisfaction.—ENA HOAG, ABBIE L. and LAIDLAW WILLIAMS.

Santa Barbara, Calif.—Dec. 20; 6 A.M. to 5 P.M. Clear, with slight westerly wind; max. temp. 73°. Four separate parties in the field composed of members of the Museum of Natural History. Common Loon, 1; Eared Grebe, 2; Western Grebe, 3; Pied-billed Grebe, 3; Brown Pelican, 15; Farallon Cormorant, 3; California Heron, 9; American Egret, 6; Snowy Egret, 5; Black-crowned Night Heron, 1; American Bittern, 1; Common Mallard, 8; Baldpate, 17; American Pintail, 39; Green-winged Teal, 5; Cinnamon Teal, 3; Shoveller, 29; Redhead, 12; Canvas-back, 29; Lesser Scaup, 25; Buffle-head, 1; White-winged Scoter, 2; Surf Scoter, 7; Ruddy Duck, 20; Red-breasted Merganser, 3; Turkey Vulture, 5; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 12; Red-bellied Hawk, 2; Golden Eagle, 2; Prairie Falcon, 1; Duck Hawk, 1; Sparrow Hawk, 20; Valley Quail, 100; Mountain Quail, 10; Sora, 1; American Coot, 500; Snowy Plover, 10; Killdeer, 1; Black-bellied Plover, 10; Long-billed

Curlew, 5; Hudsonian Curlew, 1; Spotted Sandpiper, 3; Willet, 8; Greater Yellow-legs, 5; Western Sandpiper, 10; Marbled Godwit, 1; Sanderling, 25; Glaucous-winged Gull, 23; Western Gull, many; Herring Gull, 1; California Gull, 25; Ring-billed Gull, 20; Bonaparte's Gull, 4; Heermann's Gull, 5; Royal Tern, 1; Band-tailed Pigeon, 200; Mourning Dove, 3; Road-runner, 1; Screech Owl, 1; Pacific Horned Owl, 3; Anna's Hummingbird, 13; Belted Kingfisher, 3; Red-shafted Flicker, 17; California Woodpecker, 20; Red-breasted Sapsucker, 3; Cabanis's Woodpecker, 1; Willow Woodpecker, 1; Nuttall's Woodpecker, 1; Black Phoebe, 8; Say's Phoebe, 6; Horned Lark, 10; California Jay, 28; Crow, 50; San Diego Titmouse, 100; Coast Bush-Tit, 65; Slender-billed Nuthatch, 2; Pallid Wren-Tit, 16; San Diego Wren, 3; Dotted Wren, 3; Western Mockingbird, 12; California Thrasher, 6; Robin, 15; Varied Thrush, 3; Alaska Hermit Thrush, 1; Dwarf Hermit Thrush, 1; Western Bluebird, 100; Townsend's Solitaire, 1; Western Gnatcatcher, 2; Ruby-crowned Kinglet, 15; Yellow-billed Magpie, 20; American Pipit, 1; California Shrike, 4; Hutton's Vireo, 1; Dusky Warbler, 1; Audubon's Warbler, many; Townsend's Warbler, 1; Yellow-throat, 1; Meadowlark, many; San Diego Red-wing, 4; Brewer's Blackbird, 50; California Purple Finch, 10; House Finch, many; Willow Goldfinch, 12; Green-backed Goldfinch, 25; San Diego Towhee, 5; California Towhee, 5; Savannah Sparrow, 10; Lark Sparrow, 10; Rufous-crowned Sparrow, 10; Bell's Sparrow, 6; Thurber's Junco, 50; Gambel's Sparrow, 6; Nuttall's Sparrow, 50; Golden-crowned Sparrow, 5; Valdez Fox Sparrow, 1; Thick-billed Fox Sparrow, 6; San Diego Song Sparrow, 8; English Sparrow, 12. Total, 120 species, about 2069 individuals.—DR. WILLIAM R. VARICK, DR. H. W. HOYT, MISS MARGARET ELY WEBB, MISS MARY W. PECKHAM, MISS C. C. ROBBINS, MR. and MRS. HUGH P. DEARING, MISS PHYLLIS WISE, MRS. D. D. THRELFALL, MISS IDA PERRY, MRS. B. CROFTON-ATKINS, MRS. D. I. COOKE, WILLIAM HUGHES, EGMONT Z. RETT, MR. and MRS. ROBERT CANTERBURY.

San Diego, Calif.—Dec. 22; 7 A.M. to 5 P.M. Clear; wind west, strong; average temp. 58°. San Diego Bay to Sweetwater Reservoir, no point more than 15 miles from any other point. Party divided in 2 groups, one of which remained on the waterfront and one worked from waterfront inland. Common Loon, 1; Red-throated Loon, 2; Horned Grebe, 2; Eared Grebe, 22; Western Grebe, 339; Pied-billed Grebe, 2; White Pelican, 12; Brown Pelican, 19; Farallon Cormorant, 39; California Heron, 5; American Egret, 16; Snowy Egret, 14; Louisiana Heron, 1; Black-crowned Night Heron, 1; Least Bittern, 1; Baldpate, 3; Pintail, 56; Cinnamon Teal, 3; Shoveller, 8; Redhead, 1; Canvas-back, 5; Lesser Scaup, 22; Buffle-head, 47; White-winged Scoter, 1; Surf Scoter, 158; Ruddy Duck, 30; Red-breasted Merganser, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 2; Ferruginous Rough-leg, 1; Marsh Hawk, 5; Sparrow Hawk, 15; Valley Quail, 215; Light-footed Rail, 5; Sora, 1; Florida Gallinule, 2; Coot, 543; Snowy Plover, 27; Semipalmated Plover, 2; Killdeer, 94; Black-bellied

Plover, 98; Ruddy Turnstone, 14; Black Turnstone, 25; Wilson's Snipe, 3; Long-billed Curlew, 8; Hudsonian Curlew, 1; Spotted Sandpiper, 1; Willet, 100; Greater Yellow-legs, 7; Knot, 28 (1 col.); Least Sandpiper, 340; Red-backed Sandpiper, 122; Long-billed Dowitcher, 100; Western Sandpiper, 325; Marbled Godwit, 328; Sanderling, 214; Avocet, 34; Glaucous-winged Gull, 11; Western Gull, 128; Herring Gull, 17; California Gull, 86; Ring-billed Gull, 101; Bonaparte's Gull, 1; Heermann's Gull, 1; Forster's Tern, 14; Royal Tern, 7; Mourning Dove, 97; Barn Owl, 1; Horned Owl, 1; Burrowing Owl, 4; Short-eared Owl, 1; Anna's Hummingbird, 6; Belted Kingfisher, 7; Red-shafted Flicker, 6; Nuttall's Woodpecker, 1; Cassin's Kingbird, 3; Black Phoebe, 9; Say's Phoebe, 8; Vermilion Flycatcher, 2; Horned Lark, 100; Tree Swallow, 25; California Jay, 9; Bush-Tit, 40; Wren-Tit, 7; House Wren, 1; San Diego Wren, 2; Cactus Wren, 2; Tule Wren, 1; Canyon Wren, 2; Rock Wren, 2; Mockingbird, 21; California Thrasher, 3; Hermit Thrush, 1; Western Bluebird, 25; Mountain Bluebird, 3; Western Gnatcatcher, 4; Black-tailed Gnatcatcher, 4; Ruby-crowned Kinglet, 1; American Pipit, 430; Phainopepla, 6; California Shrike, 36; Dusky Warbler, 1; Audubon's Warbler, 126; Tule Yellowthroat, 3; English Sparrow, 56; Western Meadowlark, 158; San Diego Red-wing, 172; Tricolored Red-wing, 2; Brewer's Blackbird, 1794; Dwarf Cowbird, 28; House Finch, 168; Green-backed Goldfinch, 36; California Towhee, 30; Savannah Sparrow, 47; Belding's Sparrow, 16; Large-billed Sparrow, 7; Vesper Sparrow, 31; Lark Sparrow, 1; Rufous-crowned Sparrow, 2; Bell's Sparrow, 2; Gambel's Sparrow, 363; Lincoln's Sparrow, 2; Song Sparrow, 6. Total, 124 species, about 7964 individuals.—LAURENCE M. HUBY, CLINTON G. ABBOTT, FRANK F. GANDER, JAMES E. CROUCH, SAMUEL G. HARTER.

San Francisco, Calif. (Marina, Presidio, Golden Gate Park, Ocean Beach, and Lake Merced).—Dec. 19; 8:30 A.M. to 5:30 P.M. A perfect day, sunny and warm; average temp. 60°. Common Loon, 3; Pacific Loon, 1; Red-throated Loon, 5; Eared Grebe, 107; Western Grebe, 63; Pied-billed Grebe, 106; Brown Pelican, 81; Farallon Cormorant, 6; Brandt's Cormorant, 179+; Baird's Cormorant, 2; California Heron, 1; American Bittern, 3; Canada Goose, 6; Mallard, 597; Baldpate, 91; Pintail, 10; Redhead, 6; Ring-necked Duck, 86; Canvas-back, 212; Lesser Scaup, 27; American Golden-eye, 2; White-winged Scoter, 5; Surf Scoter, 24; Ruddy Duck, 131; Red-breasted Merganser, 3; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Sparrow Hawk, 9; Quail, 234; Virginia Rail, 2; Sora, 9; Florida Gallinule, 4; Coot, 2150+; Black Turnstone, 9; Sanderling, 232; Glaucous-winged Gull, 670+; Western Gull, 960+; Herring Gull, 35; California Gull, 1613+; Ring-billed Gull, 503+; Short-billed Gull, 45; Mourning Dove, 1; Anna's Hummingbird, 72; Kingfisher, 7; Red-shafted Flicker, 43; Willow Woodpecker, 1; Black Phoebe, 36; Say's Phoebe, 2; Horned Lark, 48; California Jay, 9; Chickadee, 137; Bush-Tit, 325; Red-breasted Nuthatch, 20; Creeper, 1; Wren-Tit, 4; Winter Wren, 1; Vigors's Wren, 33; Tule Wren, 10; Robin, 43; Varied

Thrush, 3; Hermit Thrush, 22; Ruby-crowned Kinglet, 54; Pipit, 37; Shrike, 2; Hutton's Vireo, 1; Myrtle Warbler, 14; Audubon's Warbler, 446; Townsend's Warbler, 4; Yellow-throat, 46; English Sparrow, 109; Meadowlark, 17; Red-winged Blackbird, 63; Tricolored Blackbird, 11; Brewer's Blackbird, 1340+; Purple Finch, 5; House Finch, 170; Pine Siskin, 31; Willow Goldfinch, 28; Green-backed Goldfinch, 8; San Francisco Towhee, 49; Junco, 162; Nuttall's Sparrow, 1016; Golden-crowned Sparrow, 49; Fox Sparrow, 37; Lincoln's Sparrow, 4; Song Sparrow, 159. Total, 86 species, 12,918+ individuals.—COM-MANDER and MRS. PARMENTER, MESSRS. and MESS-DAMES MARSHALL JENCKS, ALBERT B. STEPHENS, MESSDAMES BRACLIN, H. T. BROWN, L. W. CUM-MINGS, JUNBA W. KELLY, MISSES CHRISTINE DANZ, AMY RINEHART, SELMA WERNER, MESSRS. ERWIN BERLINER, GORDON BOLANDER, BOB CUDABACK, CHARLES HANSEN, HAROLD KIRKER, OLIVER J. MILLARD, LESTER POWELL, ARTHUR H. MYER, C. R. THOMAS, and ROBERT WELLS, all members of the Audubon Association of the Pacific.

San Jose, Calif. (to Alum Rock Park and Cherry Flats Dam and back).—Dec. 26; 8:30 A.M. to 4 P.M. Fog in valley, sunshine higher, and in Park and at Dam; light wind; temp. 28° min., 40° max. About 11 miles and back, 8 in party, 2 cars. Observers mostly together. Ring-necked Duck, 70; American Golden-eye, 2; Ruddy Duck, 2; Baldpate, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Golden Eagle, 1; Prairie Falcon, 1; Sparrow Hawk, 1; California Quail, 18; Anna's Hummingbird, 2; Belted Kingfisher, 1; Red-shafted Flicker, 19; California Woodpecker, 12; Red-breasted Sapsucker, 4; Hairy Woodpecker, 1; Nuttall's Woodpecker, 2; Black Phoebe, 6; Steller's Jay, 16; California Jay, 27; Yellow-billed Magpie, 6; Plain Titmouse, 16; Bush-Tit, 10; White-breasted Nuthatch, 6; Wren-Tit, 6; American Dipper, 1; Bewick's Wren, 3; Canyon Wren, 3; Mockingbird, 3; California Thrasher, 4; Varied Thrush, 25; Hermit Thrush, 8; Western Bluebird, 3; Ruby-crowned Kinglet, 21; American Pipit, 12; Loggerhead Shrike, 5; Audubon's Warbler, 24; English Sparrow, 32; Western Meadowlark, 12; Purple Finch, 6; House Finch, 13; Pine Siskin, 1; Green-backed Goldfinch, 12; Spotted Towhee, 9; Brown Towhee, 6; Rufous-crowned Sparrow, 1; Oregon Junco, 49; White-crowned Sparrow, 319; Golden-crowned Sparrow, 3; Song Sparrow, 4. Total, 50 species, 812 individuals.—GAYLE PICKWELL, GEORGE FOREMAN, JAMES PETERSON, MRS. EVA McRAE, EMILY SMITH, FLORENCE DURFEE, GEORGIA MILLER.

Dindigul, S. India.—Dec. 1; 6:05 A.M. to 6 P.M., with about 3 hours' break. Few clouds; slight west breeze; temp. 70° to 80°. By car to various places within 7 miles of the city; wet and dry grain-fields, groves, ponds, a small river, and scrub jungle. Elevation 800 to 1500 ft. Southern Black Crow, 60; Indian House Crow, 180; Pale Indian Tree Pie, 3; Eastern Jungle Babbler, 18; Central Indian Iora, 8; Ceylon Red-vented Bulbul, 140; White-browed Bulbul, 12; Madras Black-backed Robin, 4; Indian Magpie-Robin, 2; White-bellied Blue Flycatcher, 2; Indian



Edward G. Nichols

Paradise Flycatcher, 5; Bay-backed Shrike, 3; Southern Rufous-backed Shrike, 5; Brown Shrike, 2; Indian Wood Shrike, 3; Black-headed Cuckoo-Shrike, 1; South Indian Black Drongo, 80; Indian Gray Drongo, 3; Blyth's Reed Warbler, 12; Indian Tailor-bird, 8; Eastern Streaked Fantail Warbler, 2; Sykes' Tree Warbler, 24; Greenish Willow Warbler, 6; Ashy Wren-Warbler, 1; Jungle Wren-Warbler, 10; Indian Wren-Warbler, 10; Indian Golden Oriole, 6; Rosy Starling, 15; Brahminy Myna, 4; Common Myna, 140; Baya Weaver-bird, 16; White-throated Munia, 7; Indian Spotted Munia, 2; Yellow-throated Sparrow, 3; Indian House Sparrow, 40; Red-headed Bunting, 1; Dusky Crag Martin, 1; Eastern Swallow, 115; Indian White Wagtail, 2; Large Pied Wagtail, 1; Eastern Gray Wagtail, 2; Gray-headed Wagtail, 32; Richard's Pipit, 8; Indian

Pipit, 8; Madras Bush Lark, 7; Ashy-crowned Finch-Lark, 14; Indian Purple Sunbird, 4; Purple-rumped Sunbird, 8; Tickell's Flower-pecker, 2; Indian Pitta, 1; Southern Golden-backed Woodpecker, 1; Ceylon Green or Small Green Barbet, 2 (heard); Indian Crimson-breasted Barbet, 10; Small Green-billed Malkoha, 3; Southern Crow-Pheasant, 6; Rose-ringed Paroquet, 33; Southern Indian Roller, 1; Indian Bee-eater, 3; Blue-tailed Bee-eater, 100; Common Ceylon Kingfisher, 2; Indian White-breasted Kingfisher, 10; Ceylon Hoopoe, 1; Bengal Palm Swift, 60; Southern Spotted Owlet, 8; Smaller White Vulture, 50; European Kestrel, 2; Brahminy Kite, 11; Common Kite, 260; Pale Harrier, 6; Indian Shikra Goshawk, 1; Indian Spotted Dove, 3; Indian Little Brown Dove, 1; Indian Ring Dove, 5; Indian Red Turtle Dove, 6; Common Sandpiper, 2; Wood Sandpiper, 32; Grey Heron, 2; Eastern Large Egret, 1; Little Egret, 2; Pond Heron, 24; Indian Little Grebe, 3. Total, 81 species, 1694 individuals.—EDWARD G. NICHOLS.

Hilo, T. H. (Kilauea Iki Crater and Kipuka Puau Bird Park, Hawaii National Park, through adjacent golf course to Kilauea Military Camp; excluding territory between Military Camp and Kilauea Iki. Elevation 2300 feet at floor of Kilauea Iki to 4000 feet at Kipuka Puau Bird Park).—Dec. 18; 6 A.M. to 1 P.M. Clear; light northeast wind; temp. 48° at start, 69° at close. Car used between areas covered. Observers together, 10 miles on foot; observations from trails only, within 6-mile diameter; combined diameter of two areas covered, 3 miles. Hawaii Hawk (*Buteo solitarius*), 2; Chinese Pheasant (*Phasianus colchicus torquatus*), 2; Pheasant sp., 2 (heard calling); Pacific Golden Plover (*Pluvialis dominica fulva*), 38; Ruddy Turnstone (*Arenaria interpres*), 14; Chinese Turtle Dove (*Spilopelia chinensis*), 4; Mynah (*Acridotheres tristis*), 115; Apapane (*Himatione sanguinea*), 237 (1 found dead); Iiwi (*Vestiaria coccinea*), 11; Amakihi (*Chlorodrepanis virens*), 23; Olive-green Honey Creeper (*Oreomystes mana*), 26; Elepaio (*Chasiempis sandwichensis*), 6; Pekin Nightingale (*Liotrix lutea*), 36; English Skylark (*Alauda arvensis*), 24; California House Finch (*Carpodacus mexicanus*), 119. Total, 14 species, 659 individuals. No sign of violence nor fowl-pox on Apapane found dead.—HELEN SHIRAS BALDWIN, ROBERT I. BALDWIN, LILA C. PAINE, LORAIN STAVELY.

The Cover

Should you see one of the 200 banded adult Herring Gulls as pictured on BIRD-LORE's cover, you can learn its origin by writing to "Gull Survey," American Museum of Natural History, New York

City. These and 6000 first-year birds are now spread over the entire Atlantic coast line. Each colony carries a separate color combination that should be carefully noted and reported.

BIRD-STUDY FOR SCHOOLS

PART VI

AN OWL-STUDY PROGRAM

An introduction to *predation*, meaning the catching of one animal by another in order to eat it.

By Richard H. Pough

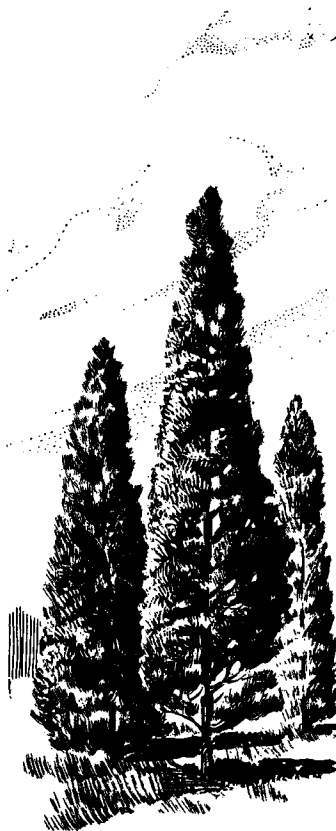
John Makes a Discovery.

One Monday morning, John came to school with a dozen curious lumps of what looked like dried paper pulp. They were about 2½ inches long, and 1 inch wide, gray in color, and looked as though the material they were made of was a sort of felt that had been pressed together into a wad of irregular shape. He reported that he had found these during a Scout hike on Saturday. They were scattered around on the ground near a cedar tree, and were very noticeable against the smooth mat of dried brown needles that covered the ground under the tree. John thought his teacher would know what they were and so brought them along. She was not sure, and decided it might be interesting to let the whole class see them and then let everyone work on the problem.

What Were They?

What were these funny-looking wads? Could anyone guess? For a few minutes no one had an idea, but finally one of the boys told of hearing that certain kinds of birds get rid of material they have eaten, but cannot digest, by separating it in their stomachs and coughing it up in the form of a small wad, or a *pellet*.

This sounded quite reasonable and was verified by the teacher. The problem there-



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