



# N.B. NATURALIST



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Perhaps you are not a subscriber to the N.B. Naturalist, but have received this issue because you took part in one of the Christmas Bird Counts. This newsletter appears 6 times a year and contains news of observations of not only birds, but mammals, fishes, insects, wildflowers or whatever groups of animals and plants we have interesting news about. To subscribe, send one dollar to the New Brunswick Museum, Saint John. Your observations are always welcome.

Attached to this issue is a report of discussions about a provincial naturalists' organization. New Brunswickers interested in nature should read it and contribute their ideas and suggestions. You will note that a change may occur in this newsletter when the organization is formed.

## CHRISTMAS BIRD COUNTS

Seventy-two years ago Frank Chapman, editor of Bird-Lore, wrote,

"It is not many years ago that sportsmen were accustomed to meet on Christmas Day, 'choose sides' and then, as representatives of the two bands resulting, hie them to the fields and woods on the cheerful mission of killing practically everything in fur or feathers that crossed their path - if they could .... Now, Bird-Lore proposes a new kind of Christmas side hunt, in the form of a Christmas bird-census, and we hope that all our readers who have the opportunity will aid us in making it a success by spending a portion of Christmas Day with the birds and sending a report of their 'hunt' to Bird-Lore before they retire that night." (Bird-Lore 2:192).

Thus went the announcement of the first Christmas Bird Census, a project very much in keeping with Bird-Lore's motto: "A Bird in the Bush is Worth Two in the Hand." The next issue listed 25 counts of which one was from New Brunswick. At Scotch Lake, York County, William H. Moore was out from 9 to 10 a.m. on Christmas Day 1900, and recorded 36 birds of 9 species: 1 Goshawk, 1 Hairy Woodpecker, 1 Downy Woodpecker, 2 Blue Jays, 6 Black-capped Chickadees, 20 White-breasted Nuthatches, 2 Brown Creepers, and 1 Pine Grosbeak. (One species was evidently the victim of a printer's omission). Interestingly, no New Brunswick Christmas Count has ever recorded more White-breasted Nuthatches than he found that hour!

From that beginning, Christmas Bird Counts have become an exceedingly popular activity, involving thousands of persons. Last year 903 North American counts were published in American Birds, and no doubt as many more in local journals such as the New Brunswick Naturalist. As it grew, the Christmas Bird Count became more formalized, employing terms such as party-hours, 15-mile diameter circles, minimum 8-hour counts, Christmas Bird Count periods, etc. It now provides not only a sporting pastime for its participants, but a great amount of data about the early winter birdlife of this continent - data which illustrates the changing distribution and abundance of birds.



One would expect Moore and others to have followed up the good start in New Brunswick, but such was not the case. The Christmas Bird Census name was applied to observations at Grand Manan by Allan Moses Dec. 20-31, 1908 and to a trip from St. Stephen to Deer Island and return by J.S. Lord Dec. 24-26, 1924, but by involving more than one day they cannot be considered as normal counts. Thus, the second Christmas Count in New Brunswick was not until 1937, when A.O. Gross and others conducted one at Kent Island. Other counts followed: Saint John in 1945 and '46, Sackville and Woodstock in 1948, Memramcook in 1949, and Fredericton in 1952. Since 1956, with the encouragement of W.A. Squires through the newsletter, Nature News, Christmas Counts have been conducted annually at an increasing number of centres. As of this winter, 41 areas of the province have been counted at least once. The following table illustrates the increase of interest in the last five years:

	1967	1968	1969	1970	1971
Number of counts	14	16	24	23	26
Participants	202	215	205	241	275
Party-hours	316	332	387	412	481
Bird feeder reports	94	87	78	90	109
Total birds seen	37,387	52,622	59,213	50,418	44,006
Total species	91	94	104	94	103
Additional species in period	9	8	5	5	7

This year it is pleasing to have the return of the Jemseg and Kouchibouguac counts and particularly to welcome four new areas: Riley Brook-Nictau, Plaster Rock, Hartland, and Sussex.

Weather conditions this winter have been near normal, a great contrast to the cold and snow last year and the warm temperatures the year before. A pattern of freeze and thaw kept the snow cover shallow in the south, whereas it built up to an average two feet in the colder, northern half of the province. Such conditions are usual in both regions.

Three species not reported before on Christmas Counts in New Brunswick were found. The rarest was the Great Gray Owl at Plaster Rock, present several days at a dump. It is an exceedingly rare species this far east; only one specific record is in the museum files. A Loggerhead Shrike at Fredericton may be the first winter record in New Brunswick. We haven't all the details on it yet, but it was reported as not a Northern Shrike. A fairly common bird found for the first time (surprisingly) on a count day was a Saw-whet Owl at Saint John. New during count period is a Double-crested Cormorant seen the day after the Lepreau count. It was about three weeks later than any previous records.

A good variety of lingering, non-hardy species were seen although the numbers were not large, for the most part. They include a Great Blue Heron, Canada Geese on three counts, a Green-winged Teal, a Hooded Merganser, 3 Marsh Hawks, 2 Sparrow Hawks, 2 Mourning Doves (plus 8 at St. Martins in count period), a Mockingbird (another in period), a Myrtle Warbler at the usual place at Cape Tormentine, a Palm Warbler, an E. Meadowlark, a Rufous-sided Towhee, and a White-crowned Sparrow (another in period). Other such birds seen during the count period were a Pintail, a Killdeer, a Belted Kingfisher, a Brown Thrasher, 3 Ruby-crowned Kinglets, and a Dickcissel.

Some of the more normal birds which are at or near the northern edge of their winter range here were in good numbers. Robins were at the highest level since 1964 with a near record 34 at St. Andrews and a total of 100. Blackbird numbers were high except for Grackle which averaged below normal although there was a good count of 21 at Sackville. The 25 Red-winged and 13 Rusty Blackbirds are high; one of the former and 2 of the latter even were recorded at northern Riley Brook-Nictau. The number of



Brown-headed Cowbirds (342), comparable to previous good counts in 1967 and 1968, included 1 at Plaster Rock. Wintering White-throated and Song Sparrows were more or less average but Fox Sparrows were low, with only 1 counted.

Most waterbirds were in average numbers. The concentration of Barrow's Goldeneyes, observed at Dalhousie last winter, is present again for a new count record of 147! Common Mergansers were widely reported, including three good counts, the 71 at Moncton a provincial record. Mallard, total of 4, and Ring-billed Gull, 12, were both low.

As usual, except for Black Guillemot at Shippegan Island, alcids were recorded only in the western half of the Bay of Fundy. A very remarkable 2725 Dovekies at Eastport-Campobello is a provincial, and possibly a North American, Christmas Count record. These birds were passing between Campobello Island and Eastport at the rate of 600 per hour. That area had another provincial record of 11 Thick-billed Murres, one more than the previous high. 18 of these murres were also seen in the Pennfield area, a few days after the count.

Red-tailed and Rough-legged Hawks were a highlight mainly in southeastern areas where vole populations are high. For Rough-legs it was the best year since regular counts began. Five counts of 10 or more include a record 52 at Sackville. A total of 10 Snowy Owls were seen, the best year ever for N.B. counts. Generally it was a good year for owls. Excluding the Snowies, 10 other owls were counted and there were 5 additional notations of owls during count period. This doesn't seem like many, but compared to past years it is quite remarkable, particularly since there was no special effort to find these birds. Northern Shrike numbers were better than average, but not exceptional, though a record 5 were seen at Jemseg.

10 Pileated Woodpeckers on nine counts represents a good year. 5 Black-backed and 2 Northern Three-toed Woodpeckers also are high. The Northern had only been recorded once before on N.B. counts.

Following the heavy movement of Gray Jays in October we might have expected them to be somewhat scarce but average numbers were seen. Blue Jay numbers were high for the fourth successive year. If this keeps up we'll have to change our mind about what a normal number of them is. Ravens remained as high as they were a year ago but Crows reverted to normal numbers. Both species of chickadees were at average levels but nuthatches were low, particularly the Red-breasted, of which only 12 were seen. It has been declining each year since a high on the counts in 1965 and 1966. It is interesting to note that not far from here, 7 counts in the Acadia Nat'l Park-Bangor area of Maine recorded a total of 147 Red-breasted Nuthatches this year.

This winter's invasion of Bohemian Waxwings was recorded in 6 areas, 3 on count day and 3 during count period.

Of the winter finches, it was a good year for Common Redpolls and better than average for Pine Grosbeaks. This is the third high year in the last four for Redpolls; normally their incursions are more widely spaced. Average numbers of Evening Grosbeaks were seen. Other finches were scattered, mostly in very small numbers except for 150 Pine Siskins at Fredericton and 46 Goldfinches at St. Andrews, & 87 Siskins at Dalhousie.

It was the third poor year in a row for Juncos (which also appear to be in low numbers in eastern Maine). Tree Sparrow numbers which fluctuate greatly from year to year on the counts were somewhat below average this winter. The numbers of Snow Buntings were normal and of Horned Larks better than average.

In summary, the number of species present produced very interesting watching for the observers and a number of counts broke or came close to their records for



the number of species seen. The following notations have been used in the count results that follow:

- \* record high for the province
- \*\* first time on a provincial count
- 40 (underlined) record high for that count area
- Snowy Owl (underlined) first time for that count

(Underlining is used only for areas where there have been at least 4 counts)

NEW BRUNSWICK -- DEC. 18, 1971 TO JAN. 2, 1972

RILEY BROOK-NICTAU - Dec. 30; 8 a.m. to 4.30 p.m.; sunny, cold; temp. -10°; wind light. 16 in. snow cover, little open water. 2 observers in 1 party; 2 at feeders. Total party-hours, 8; total party-miles 51 ( $\frac{1}{4}$  on foot, 51 by car). Common Goldeneye, 3; Hairy Woodpecker, 4; Downy Woodpecker, 4; Gray Jay, 11; Blue Jay, 27; Common Raven, 21; Black-capped Chickadee, 17; Boreal Chickadee, 9; White-breasted Nuthatch, 1; House Sparrow, 46; Red-winged Blackbird, 1; Rusty Blackbird, 2; Evening Grosbeak, 3; Pine Grosbeak, 42; Common Redpoll, 8; White-throated Sparrow, 1; Snow Bunting, 20. Total species 17, about 220 birds. (Seen in count period, Spruce Grouse, Ruffed Grouse). Alexander Fraser, Joan Fraser, William Miller, Wilma Miller (compiler).

PLASTER ROCK - Dec. 30; 10 a.m. to 5.30 p.m.; sunny a.m., cloudy p.m.; temp. -2° to +10°; wind 5-10 mph; deep snow cover, practically no open water. 4 observers in 1 party. Total party-hours,  $7\frac{1}{2}$  (2 on foot,  $5\frac{1}{2}$  by car); total party-miles 99 (3 on foot, 96 by car). Sparrow Hawk, 1; Great Gray Owl, 1\*\*; Downy Woodpecker, 4; Gray Jay, 8; Blue Jay, 51; Common Raven, 72; Common Crow, 23; Black-capped Chickadee, 28; Robin, 2; Starling, 59; House Sparrow, 224; Brown-headed Cowbird, 1; Evening Grosbeak, 30; songbird sp. 2. Total species 14; about 506 birds. (Seen in count period, Snowy Owl, small owl sp.) Mrs. Wendell Crawford, Mrs. Maurice Dionne, Mrs. Stephen Rabatich (compiler), Mrs. Delbert Reed.

PERTH-ANDOVER - Jan. 2; 8.30 a.m. to 5 p.m.; overcast, changing to snowflurries; temp. 20°-30°; wind S, 5-10 mph; 2' of snow cover, open water in rapids. 2 observers in 1 party. Total party-hours, 7 (3 on foot, 4 by car); total party-miles 32 (2 on foot, 30 by car).

Common Merganser, 6; Goshawk, 1; Ring-necked Pheasant, 14; Rock Dove, 30; Hairy Woodpecker, 3; Downy Woodpecker, 3; Blue Jay, 46; Common Raven, 14; Common Crow, 34; Black-capped Chickadee, 33; Boreal Chickadee, 16; Red-breasted Nuthatch, 1; Starling, 4; House Sparrow, 20; Evening Grosbeak, 7; Common Redpoll, 4; Tree Sparrow, 2. Total species 17, about 238 birds. Mr. Frederick W. Tribe, Mr. Murray E. Watters (compiler).

BLACKVILLE - Dec. 26; 10 a.m. to 7 p.m.; sunny & cloudy, snow flurries; temp. 15°; wind 20 mph; 2' of snow on ground, swamps with very little water. 1 observer in 1 party; 1 at feeder. Total party-hours, 8 (5 on foot, 3 by car); total party-miles 25 (5 on foot, 20 by car).

Spruce Grouse, 1; Ruffed Grouse 2; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Gray Jay, 2; Blue Jay, 7; Common Raven, 6; Black-capped Chickadee, 4; Boreal Chickadee, 1; Starling, 1; House Sparrow, 5; Pine Grosbeak, 3; Snow Bunting, 5. Total species 14, about 87 birds. Mr. Norman S. Stewart (compiler), Mr. Royce Y. Stewart.

HARTLAND - Dec. 29; 8 a.m. to 3.30 p.m.; sunny with cloudy periods; temp. -20° to -15°; calm. Ground and water frozen, 2" - 18" of snow cover. 5 observers in 3 parties; 6 at feeders. Total party-hours, 21 ( $13\frac{1}{2}$  on foot,  $7\frac{1}{2}$  by car); total party-miles 94 (12 on foot, 82 by car).



Black Duck, 22; Common Merganser, 8; Goshawk, 1; Red-tailed Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 7; Rock Dove, 79; Hairy Woodpecker, 7; Downy Woodpecker, 9; Gray Jay, 1; Blue Jay, 60; Common Raven, 141; Common Crow, 18; Black-capped Chickadee, 46; Boreal Chickadee, 5; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Robin, 2; Golden-crowned Kinglet, 6; Starling, 53; House Sparrow, 438; Evening Grosbeak, 24; Pine Grosbeak, 17; Common Redpoll, 179; Pine Siskin, 6; American Goldfinch, 3; Slate-coloured Junco, 3; Tree Sparrow, 25; Snow Bunting, 32. Total species 29, about 1198 birds. Stephen Homer, Donald Kimball, Mrs. Birkett Letson, Mrs. Robert McLean, Mr. & Mrs. C.A. Rigby, Michael Rigby (compiler), Jane Speer, Robert Speer, Mr. & Mrs. Robert Speer.

WOODSTOCK - Dec. 29; 8.30 a.m. to 4.30 p.m.; clear, sunny in a.m., light snow flurries in afternoon; temp. -10°; calm; 2-3' of snow cover. 3 observers in 1 party; 8 at feeders. Total party-hours, 8 (1 on foot, 7 by car); total party-miles 93 (3 on foot, 90 by car).

hawk (*Accipiter* sp.), 1; Rock Dove, 133; Hairy Woodpecker, 5; Downy Woodpecker, 2; Blue Jay, 86; Common Raven, 8; Common Crow, 40; Black-capped Chickadee, 9; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Robin, 1; Starling, 86; House Sparrow, 252; Common Grackle, 1; Evening Grosbeak, 26; Purple Finch, 3; Pine Grosbeak, 24; Common Redpoll, 42; Pine Siskin, 7; American Goldfinch, 21; Tree Sparrow, 5; Snow Bunting, 72. Total species 22, about 828 birds. (Seen in count period, Ring-necked Pheasant, Barred Owl, Brown-headed Cowbird). Ian Flemming, Mrs. Mary Bernard Flemming, Ken Homer, Mrs. Margaret Jones, Mrs. Cecil Stewart, Mrs. Marion Webb, Mrs. Rowena MacDonald, Mrs. Virginia Fry, Mrs. Marjorie Gray, Mrs. Donald Nixon, Mrs. A.B. Connell; Jane Speer (compiler).

FREDERICTON - Dec. 27; 8 a.m. to 4 p.m.; sunny; temp. -3° to +13°; wind NW, 2-9 mph; 6" snow, waters 99% frozen. 28 observers in 12 parties, 19 at feeders. Total party-hours, 77 3/4 (29 on foot, 48 3/4 by car); total party-miles 291 1/2 (44 1/2 on foot, 246 3/4 by car).

Red-tailed Hawk, 1; Hawk sp. 1; Ruffed Grouse, 2; Herring Gull, 1; Rock Dove, 457; Pileated Woodpecker, 2; Hairy Woodpecker, 20; Downy Woodpecker, 30; woodpecker sp. 1; Gray Jay, 12; Blue Jay, 210\*; Common Raven, 113; Common Crow, 163; Black-capped Chickadee, 329\*; Boreal Chickadee, 25; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 4; Brown Creeper, 8; Robin, 13; Golden-crowned Kinglet, 7; Bohemian Waxwing, 17; Cedar Waxwing, 20\*; Northern Shrike, 2; Loggerhead Shrike, 1\*\*; Starling, 1181; House Sparrow, 1858; Rusty Blackbird, 1; Common Grackle, 5; Brown-headed Cowbird, 6; Evening Grosbeak, 169; Purple Finch, 3; Pine Grosbeak, 54; Common Redpoll, 461; Pine Siskin, 150; American Goldfinch, 13; White-winged Crossbill, 1; finch sp. 1; Slate-coloured Junco, 12; Tree Sparrow, 48; White-throated Sparrow, 3; Fox Sparrow, 1; Song Sparrow, 1. Total species 39, about 5416 birds. (Seen in count period, Canada Goose, Black Duck, Common Goldeneye, Common Merganser, Sharp-shinned Hawk, Bald Eagle, Brown Thrasher, Ruby-crowned Kinglet, Red-winged Blackbird, Red Crossbill, White-crowned Sparrow, Snow Bunting. Mrs. B. Barnes, B. Bartlett, W. Bauer, K. Bird, Mrs. H. Blenis, J.E. Brown, Prof. & Mrs. N.R. Brown, Mrs. R.P. Chalmers, G. Clayden, S. Clayden, A.A. Dean (compiler), Mrs. A. Dean, K. Dean, L. Dean, H. Deichmann, E. Dyers, H. Ferguson, Mrs. B. Folland, D. Fowler, K. Fowler, W.I. Gould, Miss E. Gregg, Mrs. J.B. Griffiths, B. Hagerman, H. Hatheway, F.A. Johnson, Mrs. L. Keenan, D. Kristmanson, Miss M. McNair, B. Meadows, M. Moore, Miss N. Moore, Mr. & Mrs. A. Morais, Mrs. P. Mullin, D. Noble, J. Noble, M. Sargent, Miss F. Saunders, D.M. Sleep, Dr. & Mrs. W.A. Squires, Dr. & Mrs. I.W. Varty, M. Wetmore, R. Wilson.

JENSEG - Dec. 18; 9 a.m. to 5 p.m.; light snow, blowing; temp. 10° to 22°; wind NE, 10 to 40 mph in gusts; 5"-6" snow cover, very little open water; visibility limited. 8 observers in 3 parties. Total party-hours, 13 1/2 (1 1/2 on foot, 12 by car); total party-miles 184 (3 on foot, 181 by car).



Rough-legged Hawk, 10; Rock Dove, 2; Hairy Woodpecker, 3; Downy Woodpecker, 2; Gray Jay, 2; Blue Jay, 39; Common Raven, 21; Common Crow, 9; Black-capped Chickadee, 36; Boreal Chickadee, 3; Robin, 5; Northern Shrike, 5\*; Starling, 1; House Sparrow, 92; Evening Grosbeak, 1; Pine Grosbeak, 4; Common Redpoll, 315; Pine Siskin, 2; American Goldfinch, 2; Tree Sparrow, 2; Snow Bunting, 45. Total species 21, about 601 birds. (Seen in count period, Bald Eagle). Chris Adam, Henrik Deichmann, Carole Dilworth, Pam Dilworth, Tim Dilworth, Miss Chris Martin, W. Austin Squires, Mrs. W.A. Squires; Nettie Moore (compiler).

CAMBRIDGE-NARROWS - Dec. 30; 8.30 a.m. to 4.45 p.m.; Partly cloudy, becoming overcast; temp. 5° to 8°; wind NW, 5-15 mph; 3" snow on ground, lakes frozen. 6 observers in 3 parties; 5 at feeders. Total party-hours, 10 $\frac{1}{2}$  (4 $\frac{1}{2}$  on foot, 6 by car); total party-miles 50 (6 $\frac{1}{2}$  on foot, 43 $\frac{1}{2}$  by car).

Spruce Grouse, 1; Ruffed Grouse, 1; Great Horned Owl, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blk-backed 3-toed Wdpkr. 1; Gray Jay, 2; Blue Jay, 86; Common Raven, 20; Common Crow, 3; Black-capped Chickadee, 65; Boreal Chickadee, 7; Brown Creeper, 1; Golden-crowned Kinglet, 12; Northern Shrike, 1; Starling, 19; House Sparrow, 172; Evening Grosbeak, 3; Pine Grosbeak, 44; Common Redpoll, 194; Tree Sparrow, 8. Total species 21, about 644 birds. (Seen in count period, Sharp-shinned Hawk, Rough-legged Hawk, Pileated Woodpecker, Robin). Mrs. Harry Belyea, Mrs. Harold Belyea, D.G. Carpenter, Enid Inch (compiler), Mrs. William McConnachie, Mrs. Hazen Pugsley, Mrs. R.G. Robinson, Debora Robinson, George Robinson, Mrs. Ernest Sypher, Mrs. Niven Thorne.

SUSSEX - Dec. 27; 10.30 a.m. to 5 p.m.; clear; temp. 0° -12°; wind light; water frozen except in rapids; several inches of snow cover. 4 observers in 3 parties; 10 at 7 feeders. Total party-hours, 10 (2 on foot, 8 by car); total party-miles 83 (5 on foot, 78 by car).

Black Duck, 16; Red-breasted Merganser, 1 (injured); Goshawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Rock Dove, 24; Great Horned Owl, 1; Hairy Woodpecker, 5; Downy Woodpecker, 4; Gray Jay, 2; Blue Jay, 42; Common Raven, 38; Common Crow, 6; Black-capped Chickadee, 56; Brown Creeper, 1; Starling, 133; House Sparrow, 243; Common Grackle, 8; Brown-headed Cowbird, 22; Evening Grosbeak, 21; Pine Grosbeak, 1; Common Redpoll, 27; Slate-coloured Junco, 7; Tree Sparrow, 6; White-throated Sparrow, 1; Song Sparrow, 1. Total species 27, about 671 birds. (Seen in count period, Common Merganser). Ford Alward (compiler), Thomas Anderson, Mrs. William Eckford, Mrs. Milton Buchanan, Gerald Cunningham, Mrs. Mabel Danson, Mrs. Bennett Macaulay, Mrs. D.L. Northrup, Mr. & Mrs. Hubert Robinson, Mr. & Mrs. Gerald Thompson, Mr. & Mrs. Albert Webster.

CENTRAL ALBERT COUNTY - Jan. 2; 7.45 a.m. to 5 p.m.; overcast, with intermittent drizzle in p.m.; temp. 28° to 35°; wind WSW, 0-8 mph. Ground mostly bare at low elevations, 15" of snow on hilltops; quickly flowing streams open. 3 observers in 2 parties; 2 at 1 feeder. Total party-hours, 11 (8 on foot, 3 by car); total party-hours 68 (9 on foot, 59 by car).

Red-tailed Hawk, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 5; woodpecker sp. 2; Gray Jay, 3; Blue Jay, 75; Common Raven, 19; Black-capped Chickadee, 15; White-breasted Nuthatch, 1; Brown Creeper, 2; Golden-crowned Kinglet, 4; House Sparrow, 17; Pine Grosbeak, 15; Common Redpoll, 39; White-winged Crossbill, 1; Tree Sparrow, 1. Total species 17, about 244 birds. (Seen in count period, Saw-whet Owl, Northern Shrike, Starling). David Christie (compiler), Chris Majka, Mark Majka, Mary Majka, Dr. M.F. Majka.

DALHOUSIE - Dec. 30; 8.30 a.m. to 3.45 p.m.; clear to 2 p.m., clouding over; temp. -2° to 0°; wind NW, 15 gusts to 30 mph; snow 24" to 35" behind Charlo; fresh water frozen; Restigouche River frozen, Bay 60% frozen. 1 observer in 1 party; 1 at feeder. Total party-hours, 7 $\frac{1}{2}$  (by car); total party-miles 54 (by car).



Great Cormorant, 1; Black Duck, 22; Common Goldeneye, 46; Barrow's Goldeneye, 147\*; Common Merganser, 5; Red-breasted Merganser, 3; Goshawk, 2; Glaucous Gull, 1; Iceland Gull, 6; Great Black-backed Gull, 3; Herring Gull, 3; Rock Dove, 3; Blue Jay, 7; Common Raven, 47; Common Crow, 7; Black-capped Chickadee, 2; Boreal Chickadee, 3; Starling, 32; House Sparrow, 32; Evening Grosbeak, 3; Pine Grosbeak, 4; Common Redpoll, 270; Pine Siskin, 87; Song Sparrow, 1; Snow Bunting, 23. Total species 26, about 761 birds. (Seen in count period, Bufflehead, Oldsquaw, Downy Woodpecker, Robin, Bohemian Waxwing, Fox Sparrow). Fr. Jean-Paul Lebel (compiler), Miss Elizabeth Mott.

SHIPPEGAN ISLAND - Dec. 30; 8 a.m. to 4 p.m.; sunny; temp. 2°; wind NW, 15-20 mph; 20 in. snow cover, water frozen on one side of the Island. 2 observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles 67 (1 on foot, 66 by car). Common Goldeneye, 8; Oldsquaw, 32; Common Eider, 11; Red-breasted Merganser, 5; ducks sp. 39; Glaucous Gull, 5; Iceland Gull, 9; Great Black-backed Gull, 22; Herring Gull, 3; Gull sp., 41; Blue Jay, 5; Common Raven, 24; Common Crow, 49; Northern Shrike, 1; Starling, 47; House Sparrow, 183; Common Redpoll, 20; Snow Bunting, 95; Total species 16, about 599 birds. (Seen in count period, Black Guillemot, Rock Dove, Black-capped Chickadee, Boreal Chickadee, Common Grackle, Pine Siskin, White-winged Crossbill). Hilaire Chiasson (compiler), Rose-Aline Chiasson.

KOUCHIBOUGUAC NATIONAL PARK - Dec. 30; 9 a.m. to 5 p.m.; clear, becoming cloudy; temp. 0°-10°; wind NW, 10-15 mph; 18" snow cover in woods; rivers and lagoons frozen; sea mostly open with skim ice & ice cakes. 4 observers in 2 parties; 3 at feeders. Total party-hours, 14.5 (7.5 on foot, 7 by car); total party-miles 135 (7 on foot, 128 by car).

Common Goldeneye, 5; Barrow's Goldeneye, 3; Oldsquaw, 110; Common Eider, 3; Ruffed Grouse, 2; Glaucous Gull, 1; Great Black-backed Gull, 65; Herring Gull, 31; Rock Dove, 49; Hairy Woodpecker, 5; Woodpecker sp. 1; Gray Jay, 11; Blue Jay, 5; Common Raven, 64; Common Crow, 2; Black-capped Chickadee, 33; Boreal Chickadee, 11; Red-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 3; Northern Shrike, 2; Starling, 14; House Sparrow, 157; Red-winged Blackbird, 1; Common Grackle, 2; Pine Grosbeak, 2; Common Redpoll, 24; Pine Siskin, 4; Song Sparrow, 1; Snow Bunting, 122. Total species 29; about 736 birds. (Seen in count period, Common Loon, Bufflehead, Horned Lark). David Christie, Mary Majka, Sandy McLain, Roy A. Webster (compiler).

CAPE TORMENTINE - Dec. 20; 7.30 a.m. to 4 p.m.; cloudy, with sunny intervals in a.m.; temp. -10° to +20°; wind SSE, light. 2-6 inches snow cover, fresh water frozen, salt water mostly frozen (large ice flows). 7 observers in 3-6 parties. Total party-hours 24 3/4 (13 on foot, 11 3/4 by car); total party-miles 162 (22 1/2 on foot, 140 by car). Canada Goose, 1; Black Duck, 17; Common Goldeneye, 7; Oldsquaw, 335; Common Eider, 3; White-winged Scoter, 35; Common Merganser, 1; Red-breasted Merganser, 45; duck sp. 79; Goshawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 27; Ruffed Grouse, 3; Glaucous Gull, 1; Iceland Gull, 136; Great Black-backed Gull, 41; Herring Gull, 30; Ring-billed Gull, 1; Rock Dove, 36; Snowy Owl, 1; Owl sp. (not Snowy), 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 1; Horned Lark, 1; Gray Jay, 10; Blue Jay, 20; Common Raven, 71; Common Crow, 11; Black-capped Chickadee, 75; Boreal Chickadee, 15; Robin, 1; Golden-crowned Kinglet, 6; Northern Shrike, 3; Starling, 25; Myrtle Warbler, 1; warbler sp. (prob. Myrtle), 1; House Sparrow, 183; Rusty Blackbird, 4\*; Pine Grosbeak, 14; Common Redpoll, 129; Slate-coloured Junco, 13; Tree Sparrow, 6; Snow Bunting, 58; songbirds sp., 18. Total species 42, about 1477 birds. Paul Bogaard, Gordon Burns, Ross Hall, Ron Hounsell, Colin Paterson, Keith McAloney, Al Smith (compiler).

MONCTON - Dec. 26; 8 am. to 5 pm; continuous light snow; temp. 5°-20°; wind 5-10 mph. Ground frozen, 1" snow in fields, 4" in woods; brooks running. 21 observers in 11 parties; 12 at 7 feeders. Total party-hours, 40 (16 on foot, 24 by car); total party-miles 152 (14 on foot, 138 by car).



Black Duck, 8; Green-winged Teal, 1; Common Goldeneye, 2; Common Merganser, 71\*; Red-breasted Merganser, 2; Cooper's Hawk (no details), 1; Rough-legged Hawk, 2; Marsh Hawk, 1; Ring-necked Pheasant, 10; Glaucous Gull, 28\*; Iceland Gull, 84; Great Black-backed Gull, 308; Herring Gull, 1382; Ring-billed Gull, 3; Rock Dove, 356; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blk-backed 3-toed Wdpkr., 1; Horned Lark, 5; Blue Jay, 47; Common Raven, 159; Common Crow, 35; Black-capped Chickadee, 114; Boreal Chickadee, 4; Mockingbird, 1; Robin, 3; Golden-crowned Kinglet, 8; Bohemian Waxwing, 40\*; Northern Shrike, 3; Starling, 440; House Sparrow, 418; Red-winged Blackbird, 1; Brown-headed Cowbird, 1; Evening Grosbeak, 93; Purple Finch, 5; Pine Grosbeak, 4; Common Redpoll, 82; Pine Siskin, 5; American Goldfinch, 5; Slate-coloured Junco, 3; Tree Sparrow, 12; White-throated Sparrow, 2; Song Sparrow, 60. Total species 43, about 3779 birds. (Seen in count period, Common Grackle). Fred Bone, Mrs. Ross Brown, Doreen Carter, Kathy Carter, Kelly Carter, Roy Carter, David Christie, Albert Cormier, Donald Cormer & son, Mr. & Mrs. Henry Cormier, Don Crowe, Dr. & Mrs. Art Dobson, Mrs. Gordon C. Harris, Marguerite Hope, Roy Hunter, Wes Knaffer, Raymond LeBlanc, Fred Lloyd, Chris Majka, Mark Majka, Mary Majka, Dr. M. Majka, Mr. & Mrs. W.J. Quartermain, Mr. & Mrs. Jim Scammell & family, Doug Whitman (compiler), Mrs. D. Whitman.

SACKVILLE - Dec. 18; 7.30 a.m. to 3.50 p.m.; cloudy, snow flurries, clearing by 10 a.m. temp. 9°-17°; wind light, increasing to NW 10-15 mph by 1 p.m. 3-6" crusted snow; most freshwater frozen; salt water open with ice flows. 8 observers in 6-7 parties; 11 at feeders. Total party-hours, 42 (23½ on foot, 18½ by car); total party-miles 254½ (28½ on foot, 226 by car).

Canada Goose, 351; Mallard, 1; Black Duck, 132; Oldsquaw, 1; Common Merganser, 36; Red-breasted Merganser, 1; ducks sp., 40; Goshawk, 1; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Rough-legged Hawk, 52\*; Ruffed Grouse, 2; Ring-necked Pheasant, 33; Great Black-backed Gull, 36; Herring Gull, 132; Rock Dove, 31; Snowy Owl, 5\*; Owl sp. (not Snowy), 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 2; Northern 3-toed Wdpkr., 1; Horned Lark, 4; Gray Jay, 7; Blue Jay, 75; Common Raven, 110; Common Crow, 22; Black-capped Chickadee, 107; Boreal Chickadee, 21; White-breasted Nuthatch, 3; Brown Creeper, 1; Robin, 1; Golden-crowned Kinglet, 10; Starling, 160; Palm Warbler, 1; House Sparrow, 309; Red-winged Blackbird, 1; Rusty Blackbird, 3; Common Grackle, 21; Brown-headed Cowbird, 19; Evening Grosbeak, 18; Pine Grosbeak, 4; Common Redpoll, 152; Pine Siskin, 6; White-winged Crossbill, 5; Rufous-sided Towhee, 1; Slate-coloured Junco, 12; Tree Sparrow, 3; White-throated Sparrow, 1; Snow Bunting, 69; songbirds sp. 29. Total species 49, about 2041 birds. Mr. & Mrs. J.W. Black, Paul Bogaard, Mrs. H. Burke, Gordon Burns, Mrs. John Clark, Mrs. J.E. Greenslade, Ross Hall, Hinrich Harries, Mrs. L.P. Harris, Ron Hounsell, Reid McManus, Mr. & Mrs. D. McPhail, Ted Pulford, Al Smith (compiler), Mrs. A.J. Smith, H.L. Smith, Mrs. N.A. Weldon.

RIVERSIDE-ALBERT - Dec. 20; 8 a.m. to 5.15 p.m.; clear a.m. clouding over with snow by 3 p.m.; temp. -8° to 30°; wind 0-15 mph; 4" snow cover on lowlands, 12" on highlands; all freshwater frozen except rapids. 13 observers in 4 parties; 4 at feeders. Total party-hours, 23 (7 on foot, 16 by car); total party-miles 233 (7 on foot, 226 by car). Red-throated Loon, 3; Great Blue Heron, 1; Canada Goose, 10; Black Duck, 310; Common Goldeneye, 37; Common Eider, 4; Common Merganser, 4; Red-breasted Merganser, 7; Rough-legged Hawk, 29; Ruffed Grouse, 4; Ring-necked Pheasant, 3; Purple Sandpiper, 50; Iceland Gull, 7; Great Black-backed Gull, 7; Herring Gull, 19; Snowy Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blk-backed 3-toed Wdpkr., 1; Horned Lark, 5; Gray Jay, 8; Blue Jay, 68; Common Raven, 69; Common Crow, 9; Black-capped Chickadee, 55; Boreal Chickadee, 4; Red-breasted Nuthatch, 1; Robin, 13; Golden-crowned Kinglet, 4; Bohemian Waxwing, 4; Starling, 78; House Sparrow, 254; Eastern Meadowlark, 1; Brown-headed Cowbird, 1; Evening Grosbeak, 2; Pine Grosbeak, 1; Common Redpoll, 68; Pine Siskin, 2; Slate-coloured Junco, 16; Tree Sparrow, 3; White-throated Sparrow, 7; Lapland Longspur, 23; Snow Bunting, 321. Total species 45, # omitted above: Red-tailed Hawk, 8.



about 1527 birds. (Seen in count period, Common Grackle, Song Sparrow). David Alward, Ford Alward (compiler), Mark Alward, Lloyd Bishop, Ricky Butland, David Christie, Sue Fullerton, Chris Majka, Mark Majka, Mary Majka, Jim Quinn, Todd Perry, Harry Taylor, Billy White, Erskine Wilbur, Cecil Williamson, Clarke Wright.

FUNDY NATIONAL PARK - Dec. 18; 8 a.m. to 4 p.m.; snowing; temp. 10°-25°; wind NNE, 15mph. 6" snow on coast, 12" snow inland, freshwater frozen. 12 observers in 4 parties. Total party-hours, 31½ (20½ on foot, 11 by car); total party-miles 153½ (23½ on foot, 130 by car).

Black Duck, 34; Common Goldeneye, 7; Common Eider, 1; Red-breasted Merganser, 4; duck sp., 2; Goshawk, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 1; Ruffed Grouse, 4; Glaucous Gull, 2; Iceland Gull, 5; Great Black-backed Gull, 2; Herring Gull, 24; Mourning Dove, 1; Barred Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blk-backed 3-toed Wdpkr., 1; Wdpkr. sp., 1; Horned Lark, 4; Gray Jay, 13; Blue Jay, 3; Common Raven, 41; Common Crow, 6; Black-capped Chickadee, 18; Boreal Chickadee, 23; Red-breasted Nuthatch, 1; Brown Creeper, 1; Robin, 3; Golden-crowned Kinglet, 16; Northern Shrike, 1; Starling, 12; House Sparrow, 19; Rusty Blackbird, 2; Common Grackle, 4; Brown-headed Cowbird, 1; Evening Grosbeak, 2; Pine Grosbeak, 9; Common Redpoll, 89; Pine Siskin, 3; American Goldfinch, 7; Slate-coloured Junco, 8; Tree Sparrow, 6; White-throated Sparrow, 1; Song Sparrow, 3; Snow Bunting, 60. Total species 46, about 472 birds. Ford Alward, Tracy Black, David Christie, Harry Taylor, John MacFarlane (compiler), Chris Majka, Mark Majka, Mary Majka, Dr. M.F. Majka, Tom Reeks, Jackie Russell, Harry Taylor, Eric Tull.

ST. MARTINS - Jan. 2; 8.30 a.m. to 4 p.m.; overcast in a.m.; rain in p.m.; light poor; temp. 27° to 34°; wind SE, 10mph; 4" wet snow over ice; brooks partly open; bay open & rough. 2 observers in 2 parties, 5 at 4 feeders. Total party-hours, 8 (6 on foot, 2 by car); total party-miles 15½ (8½ on foot, 7 by car).

Black Duck, 28; Common Goldeneye, 1; Hooded Merganser, 1; Rough-legged Hawk, 1; Great Black-backed Gull, 2; Herring Gull, 40; Owl sp., 1; Blue Jay, 17; Common Raven, 11; Common Crow, 6; Black-capped Chickadee, 4; Boreal Chickadee, 1; chickadees sp., 10; Starling, 30; House Sparrow, 50; Brown-headed Cowbird, 22; Evening Grosbeak, 20; Common Redpoll, 60; American Goldfinch, 4; Slate-coloured Junco, 11; White-throated Sparrow, 8; birds sp., 30. Total species 20, about 358 birds. (Seen in count period, Mourning Dove, Gray Jay, Robin.) Frances Bradshaw (compiler), James Bradshaw, Mrs. Stewart Duncan, Mrs. Lloyd Lennox, Miss Melita Skillen, Mrs. Lucile Stoneham, Mrs. Joseph MacLellan.

SAINT JOHN - Dec. 27; 7 a.m. to 5.15 p.m.; clear, becoming partly cloudy, sea smoke in a.m.; temp. 5° to 12°; wind NW, 4-12mph. 0 to 1 inch crusted snow, icy; freshwater frozen almost entirely. 15 observers in 9 parties, 24 at 22 feeders. Total party-hours, 54 (36 on foot, 18 by car); total party-miles 319 (19 on foot, 300 by car). Mallard, 2; Black Duck, 306; Greater Scaup, 2; Common Goldeneye, 276; Barrow's Goldeneye, 2; Bufflehead, 26; Oldsquaw, 1; Common Eider, 1; White-winged Scoter, 3; Surf Scoter, 4; Common Merganser, 58; Red-breasted Merganser, 31; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Hawk sp. (prob. Sharp-shinned), 1; Ruffed Grouse, 8; Glaucous Gull, 7; Iceland Gull, 39; Great Black-backed Gull, 837; Herring Gull, 3282; Ring-billed Gull, 4; Black-headed Gull, 1; Rock Dove, 523; Mourning Dove, 1; Snowy Owl, 2; Saw-whet Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 31; Northern 3-toed Wdpkr., 1; Horned Lark, 10; Gray Jay, 7; Blue Jay, 44; Common Raven, 118; Common Crow, 343; Black-capped Chickadee, 173; Boreal Chickadee, 21; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 2; Robin, 15; Golden-crowned Kinglet, 2; Northern Shrike, 2; Starling, 1423; House Sparrow, 492; Red-winged Blackbird, 11; Common Grackle, 3; Brown-headed Cowbird, 146; Evening Grosbeak, 59; Purple Finch, 4; Pine Grosbeak, 66; Common Redpoll, 143; Pine Siskin, 5;



American Goldfinch, 18; Crossbill sp., 2; Slate-coloured Junco, 38; Tree Sparrow, 58; White-throated Sparrow, 13; Song Sparrow, 11; Total species 60\*, about 8751 birds. (Seen in count period, Common Loon, Great Cormorant, Goshawk, Killdeer, Great Horned Owl, Ruby-crowned Kinglet, Bohemian Waxwing, White-winged Crossbill, Fox Sparrow, Snow Bunting). Mrs. G.G. Anglin, Byard Armstrong, Bruce Bosence, Fred Brock, Mrs. C.H. Cameron, Mrs. Smith Cathline, David Christie (compiler), Florence Christie, David Clark, Shirley Colquette, Mrs. E.J. Cram, Jan Dexter, Marjorie Duffy, Joyce Golden, Irene Gorham, Stan Gorham, Mrs. A.R. Goucher, Frances Hayes, Grace Hayes, Mrs. G.L. Hunter, Cecil Johnston, Doris Johnston, Dot Laskey, Chris Majka, Mrs. K.N. Melvin, John Morrison, Joan Pearce, Ron Pearce, Vi Ramsay, Gordon Redstone, Mrs. H.G. Rogers, Mary Ross, Mrs. W.J. Simon, Marion Sherwood, Carle Smith, David Smith, Diane Trenwith, Ian Trenwith, Jim Wilson.

LEPREAU - Dec. 19; 7.30 a.m. to 5.15 p.m.; clear, sea smoke in a.m.; 0°-10°; wind NW, 4-12mph; 1-2" crusted snow; most freshwater frozen. 12 observers in 2-4 parties; 2 at 2 feeders. Total party-hours, 23 (14 on foot, 9 by car); total party-miles 138 (11½ on foot, 126½ by car).

Common Loon, 4; Red-throated Loon, 1; loon sp., 1; Red-necked Grebe, 36; Horned Grebe, 18; Great Cormorant, 9; Black Duck, 129; Greater Scaup, 1; Common Goldeneye, 81; Bufflehead, 59; Oldsquaw, 31; Harlequin Duck, 2; Common Eider, 220; White-winged Scoter, 8; Common Scoter, 4; Common Merganser, 9; Red-breasted Merganser, 29; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Spruce Grouse, 2; Purple Sandpiper, 260; Iceland Gull, 1; Great Black-backed Gull, 65; Herring gull, 700; Black-legged Kittiwake, 151; Razor-bill, 108; Thick-billed Murre, 1; Dovekie, 2; Black Guillemot, 3; Rock Dove, 27; Snowy Owl, 1; Barred Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Gray Jay, 15; Blue Jay, 2; jay sp., 2; Common Raven, 111; Common Crow, 124; Black-capped Chickadee, 27; Boreal Chickadee, 28; Brown Creeper, 1; Robin, 2; Golden-crowned Kinglet, 16; Northern Shrike, 1; Starling, 77; House Sparrow, 36; Red-winged Blackbird, 2; Rusty Blackbird, 1; Brown-headed Cowbird, 47; Evening Grosbeak, 3; Pine Grosbeak, 2; Common Redpoll, 125; American Goldfinch, 1; Red Crossbill, 2; White-winged Crossbill, 8; Slate-coloured Junco, 6; Tree Sparrow, 31; White-throated Sparrow, 2; Snow Bunting, 120. Total species 60\*, about 2761 birds. (Seen in count period, Double-crested Cormorant \*\*, Pintail, Belted Kingfisher).

David Christie (compiler), David Clark, Jan Dexter, John Holman, Cecil Johnston, Chris Majka, Mark Majka, Mary Majka, Dr. M.F. Majka, Mrs. R.B. Manzer, Louise Shonaman, Ed Spencer, Eric Tull, Jim Wilson.

PENNFIELD - Dec. 27; 8.45 a.m. to 3.30 p.m.; sunny; temp. 0°; wind N, 20mph; very little snow on ground, bare patches. 2 observers in 1 party. Total party-hours, 6 (by car); total party-miles 20 (by car).

Common Loon, 1; Horned Grebe, 1; Great Cormorant, 15; Black Duck, 1; Common Goldeneye, 1; Bufflehead, 28; Oldsquaw, 15; Common Merganser, 1; Bald Eagle, 2; Great Black-backed Gull, 14; Herring Gull, 990; Rock Dove, 19; Downy Woodpecker, 1; Blue Jay, 7; Common Crow, 27; Black-capped Chickadee, 6; Boreal Chickadee, 2; Robin, 1; Starling, 54; House Sparrow, 76; Tree Sparrow, 1. Total species 21, about 1266 birds. (Seen in count period, Red-necked Grebe, Common Eider, White-winged Scoter, Red-breasted Merganser, Iceland Gull, Black-legged Kittiwake, Thick-billed Murre, Dovekie, Black Guillemot, Gray Jay, Evening Grosbeak). M.C. Morehouse, Mrs. M.C. Morehouse (compiler).

ST. ANDREWS - Dec. 21; 8.30 a.m. to 4.00 p.m.; light clouds a.m., sunny p.m.; temp. 32°; calm. 2"-5" hard snow, lakes frozen, Bay open. 7 observers in 3 parties, 12 at 10 feeders. Total party-hours, 17½ (½ on foot, 17 by car); total party-miles 162 (1 on foot, 161 by car).



Common Loon, 3; Red-necked Grebe, 1; Horned Grebe, 13; Great Cormorant, 6; Black Duck, 90; Greater Scaup, 49; Common Goldeneye, 60; Bufflehead, 38; Common Eider, 28; White-winged Scoter, 6; Surf Scoter, 185; Common Scoter, 34; Common Merganser, 3; Red-breasted Merganser, 5; Great Black-backed Gull, 17; Herring Gull, 609; Rock Dove, 19; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 7; Blk-backed 3-toed Wdpkr., 1; Gray Jay, 7; Blue Jay, 48; Common Raven, 9; Common Crow, 70; Black-capped Chickadee, 67; Boreal Chickadee, 6; Robin, 34; Starling, 66; House Sparrow, 65; Red-winged Blackbird, 8; Common Grackle, 3; Brown-headed Cowbird, 38; Evening Grosbeak, 62; Pine Grosbeak, 1; Common Redpoll, 46; American Goldfinch, 46; Slate-coloured Junco, 3; Tree Sparrow, 24; White-throated Sparrow, 1; White-crowned Sparrow, 1; Song Sparrow, 3; Snow Bunting, 14. Total species 43, about 1800 birds. (Seen in count period, Ruffed Grouse, Purple Sandpiper, Great Horned Owl, Brown Creeper, Mockingbird, Ruby-crowned Kinglet, Bohemian Waxwing, Pine Siskin).

Mrs. Hollis Bartlett, Miss E. Jacqueline Davis, Miss J. Davis, Mrs. Lee Dickson, Mrs. Anne B. Hall, Mrs. Donald Johnson, Mrs. A.C. Kohler, Miss H.W. MacCoubrey (co-compiler), Mr. & Mrs. Claude MacFarlane, Mrs. Donald McLeese, Mr. & Mrs. N.T. Mais, Mrs. Fred Nutter, Dr. John E. Rigby (co-compiler), Miss Pamela Rigby, Mrs. Spaulding, Mr. & Mrs. David Walker, Mabelle MacCoubrey.

EASTPORT-CAMPOBELLO - Dec. 23; 8 a.m. to 4 p.m.; clear; temp. -4° to 24°; wind NW, 20-5mph; ground bare; 10% fresh, all salt open, low tide 10 a.m. 3 observers in 1 party; 1 at feeder. Total party-hours, 8 (1 on foot, 7 by car); total party-miles 82 (2 on foot, 80 by car).

Red-necked Grebe, 1; Horned Grebe, 17; Great Cormorant, 30; Black Duck, 161; Greater Scaup, 3; Common Goldeneye, 34; Bufflehead, 124; Oldsquaw, 125; Common Eider, 2; White-winged Scoter, 62; Surf Scoter, 1; Common Merganser, 1; Red-breasted Merganser, 5; Bald Eagle, 4; Ruffed Grouse, 1; Iceland Gull, 4; Great Black-backed Gull, 402; Herring Gull, 2350; Ring-billed Gull, 4; Bonaparte's Gull, 12; Black-legged Kittiwake, 358; Razor-bill, 40; Thick-billed Murre, 11\*; Dovekie, 2725\*; Black Guillemot, 1; Rock Dove, 25; Downy Woodpecker, 2; Horned Lark, 8; Blue Jay, 5; Common Raven, 21; Common Crow, 61; Black-capped Chickadee, 9; Robin, 4; Golden-crowned Kinglet, 6; Starling, 151; House Sparrow, 26; Brown-headed Cowbird, 25; Evening Grosbeak, 20; Pine Grosbeak, 4; Common Redpoll, 53; Pine Siskin, 2; Red Crossbill, 10; Slate-coloured Junco, 11; Tree Sparrow, 19; Song Sparrow, 1. Total species 45, about 6941 birds. (Seen in count period, Common Loon, Boreal Chickadee, Dickcissel. Charles Dorchester, Mary Dorchester, William Townsend (compiler).

BAY OF FUNDY, SAINT JOHN TO DIGBY - Jan. 1; 11.55 a.m. to 1.15 p.m.; clear; moderate sea smoke on northern half of Bay; temp. 10°; wind N, 5mph. A low, choppy sea, visibility restricted in sea smoke, otherwise good. 5 observers in 1 party. Total party-hours 1 1/3 (by ship); total party-miles, 35 (by ship).

Loon sp., 1; Iceland Gull, 4; Great Black-backed Gull, 4; Herring Gull, 3; Black-legged Kittiwake, 54; gull sp., 2; Razor-bill, 11; Common Murre, 1; Thick-billed Murre, 1; Dovekie, 1; alcid sp. (Razorbill/Murre), 5; Total species 9, about 87 birds. David Christie (compiler), Chris Majka, Mark Majka, Mary Majka, Dr. M.F. Majka.

SPECIES VARIETY: It was the first year N.B. counts have reached the 60 species level. Saint John and Lepreau tied for high count at that number. Next were Sackville, 49, and Fundy Park, 46. In northern N.B. Kouchibouguac Park and Dalhousie led with 29 and 26, respectively. 51 species during count period at Fredericton was remarkable for an inland area. In Maine, Deer Isle had a record 73 and in N.S. Halifax(east) 83!

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