

ANNUAL GENERAL MEETING 1974

The 35th Annual General Meeting of the Society was held in Wellington on the 18th of May, and was attended by over 60 members.

The President, Mr Kinsky, in his report to the meeting outlined some of the more exciting ornithological happenings of 1973. A new species for New Zealand was the Antarctic Petrel, three of which were collected during beach patrols. The possible breeding of several rare species was awaiting confirmation. The Society's membership had increased by 32 during the year, giving a total of 1104. A financial profit of \$832 was realised, but the President explained, how this was due solely to a record sale of Christmas cards. Reports from Scheme Organisers and Committee Conveners were read in a summarised form, and tribute was paid to them and Regional Representatives for their time and effort devoted to the successful running of the Society. It was announced that Council had appointed three new Regional Representatives, Miss Joan Douglas (West Coast), Mr Max Falconer (Wellington) and Mr Tony Crocker (Waikato).

The four vacancies on Council were filled by the four nominations received. Mr A Blackburn resigned at the end of his term on Council, the vacancy being filled by Dr P. C. Bull. Mr F. C. Kinsky (President), Mr B. D. Bell (Vice-President) and Mr D. V. Merton were re-elected unopposed. The President explained that Mr P. D. Gaze was co-opted as Secretary on the recent departure of Dr Fowler. The meeting confirmed his position until the end of the original term.

Numerous amendments to the Constitution, four of which were passed in some form, occupied much of the meeting. Two of the resolutions will affect many members. Provision is made for Family Members who being in the same family as an Ordinary Member, pay 50% of the standard subscription, and have full rights of ordinary membership except that they shall not receive the publications of the Society. Amendments also resulted in the removal of previous restrictions, which prevented Junior Members from being elected to Council.

A successful motion proposed by Mr F. H. Boyce resulted in a 50% increase in subscriptions as from the 1st of January 1975.

Two Junior Member Awards were made to John Cockrem of Hamilton and Hugh Robertson of Palmerston North. John has contributed regularly to the Bird Mapping and Nest Record Schemes as well as carrying out original ornithological work. Hugh has played an active role in all the Society's schemes, particularly Beach Patrolling of which he does 140 miles a year. His regular attendance at study courses and field trips, even to the Chathams, has resulted in a keen and competent ornithologist.

The highlight of the evening was the election of Sir Robert Falla as an Honorary Life Member of the Society, which was accompanied by a standing ovation. The President made mention of Sir Robert's 32 years service to the Society on Council, and the benefit received from his deep ornithological knowledge and his administrative ability and guidance. We all hope that he may long continue being the guide, mentor and friend to all our members.

Arrangements for two Labour Day Week-end courses were made. In the North Island a survey of the Black-fronted Dotterel will take place on the Manawatu river beds. A more diverse survey of Otago river beds is being organised by Mr B. D. Bell in conjunction with current work by the Wildlife Service. It is proposed to have a residential Summer Course in Nelson in mid-January.

A meeting of Regional Representatives on Saturday morning was well attended. The opportunity to discuss problems and achievements in particular regions was welcomed. It is hoped to establish closer relationships between regions, and to help with research projects through a new "Field Investigation Committee."

During the afternoon an appreciative audience listened to illustrated talks by Mr R. B. Sibson on the numbers of migratory waders visiting New Zealand, Mr B. D. Bell on research being conducted on the Chatham Islands and Mr R. H. Taylor who offered some ideas on speciation in New Zealand Parakeets.

On Sunday morning a large party visited Cape Turakirae at the entrance to Wellington Harbour. Although the area was not of great significance to the ornithologist, an outline of the unique geological features given by Dr C. A. Fleming, a view of the seals and a chance to chat with old and new acquaintances proved to be a pleasant conclusion to the week-end.

P. D. GAZE, Hon. Secretary



TREASURER'S REPORT

For Year Ended 31 December, 1973

PRESENTED AT THE A.G.M. OF THE
ORNITHOLOGICAL SOCIETY OF N.Z. (INC.)
WELLINGTON — 18 MAY 1974

The membership at the end of the year was 1104, an increase of 32 for the year. Details are: 1 honorary life, 78 life, 22 endowment, 702 ordinary, 68 student, 93 corporate bodies, 70 husband and wife, counting as two, making the total of 1104. 109 new members were admitted, 38 went out due to resignation or death and 39 were deleted as being unfinancial.

The income for the year was \$7086, this is an increase of \$1116 on last year's figure. Members' subscriptions increased by \$159. Although the cost of printing the Christmas cards was markedly higher, a tremendous increase in the number sold returned a satisfactory profit of \$1455, which is an all time record, an increase of \$840 on last year's profit. Without this increase, the year's workings would have resulted in a deficiency instead of a surplus. Sales of back numbers showed an increase of \$62. Interest received increased by \$30 and dividends an increase of \$34.

Expenses totalled \$6254, a decrease of \$301 on last year's amount of \$6554. The cost of printing and distribution of *Notornis*

was \$5047, an increase of \$109 on the cost of the four regular parts for 1972. Some back numbers of *Notornis* were reprinted at a cost of \$275. Other expenses, the cost of running the Society, \$941 is \$16 less than last year's figure of \$957.

Over all the surplus for the year's working was \$832 which has been transferred to the Accumulated Fund.

Royalties on the revised edition of the *Field Guide* amounting to \$645 were received during the year and were credited directly to the Projects Assistance Reserve Fund.

During the year the Society's holding of shares in the Farmers Trading Co. and Alex Harvey Industries Ltd. were sold. The Farmers Trading Co. sale realised a profit of \$136 and the Alex Harvey Industries sale a profit of \$351. These amounts have been credited directly to the Accumulated Fund.

The amount of the realisation, together with \$1000 from a maturing Auckland Hospital Board loan and \$1000 which was on term deposit with the Bank of New Zealand, was reinvested with the Perpetual Trustees Co. Ltd., on authorised trustee investment returning 8% interest. \$2000 is secured by mortgage on a commercial property situated in Queen St Onehunga and \$2000 on a property of residential flats situated in Eden St, Dunedin.

The Society has \$3883 invested in shares in public companies; at 31st December the market value was \$5954. 250 bonus shares were received from Golden Bay Cement Co., 250 from Winstone Ltd, and 77 from Wattie Industries Ltd. In November the 168 convertible notes on General Foods were converted into 108 Wattie Industries ordinary shares.

Local body stocks with a maturing value of \$3000 costing \$2923 are held.

H. W. M. HOGG, Hon. Treasurer

THE ORNITHOLOGICAL SOCIETY OF N.Z. INC.

BALANCE SHEET AS AT 31 DECEMBER 1973

<u>1972</u>		<u>1973</u>
	<u>CURRENT ASSETS:</u>	
687	Cash at Bank of New Zealand	2729
497	Bank of N.Z. Savings Account	756
3000	Term Deposit Bank of N.Z.	1500
100	Stock of <i>Notornis</i>	100 (Note III)
100	Stock of <i>Biology of Birds</i>	- (Note III)
4384	<u>TOTAL CURRENT ASSETS:</u>	\$5085
	<u>INVESTMENTS AT COST:</u>	
5388	Shares in Public Companies	3883 (Note IV)
3888	Local Body Stocks	2923
3000	The Perpetual Trustees Co. Ltd Group Trustee Investments	7000
12276	<u>TOTAL INVESTMENTS:</u>	13806
1000	Library at Valuation	(Note III) 1000
17660	<u>TOTAL ASSETS:</u>	19891
	<u>LESS LIABILITIES:</u>	
1190	Amounts owed by Society	1371
425	Subscriptions in Advance	365
	<u>RESERVE FUNDS:</u>	
1582	Projects Assistance Reserve	2227 (Note V)
1510	Life Subscriptions	1756
1000	Publications	1000
5707	<u>TOTAL LIABILITIES:</u>	6719
11953	<u>VALUE OF ACCUMULATED FUNDS AS BELOW:</u>	13172
	<u>ACCUMULATED FUNDS:</u>	
12537	Balance at 31/12/72	11953
	<u>Less</u> Stocks <i>Biology of Birds</i> written off	100
		11853
	<u>Plus</u> Profit on Sale of Shares:	
	Farmers Trading	\$136
	Harvey Industries	351
		487
584	Surplus for year	832
11953	<u>BALANCE AT 31 DECEMBER 73:</u>	13172

We report, that in our opinion, the foregoing accounts and notes attached of THE ORNITHOLOGICAL SOCIETY OF N.Z. (INC.) for the year ended 31 December 1973 are in agreement with the books and reports of the Society and give a true and fair view of the Society's position at that date and the results of its transactions for the year. The Society has kept proper books and supplied all the information required.

DUNEDIN : 6 March 1974

THOMPSON & LANG, Chartered Accountants
& Auditors

THE ORNITHOLOGICAL SOCIETY OF N.Z. INC.STATEMENT OF ACCOUNTS FOR THE YEAR
ENDED 31 DECEMBER 1973

1972		1973
\$	<u>INCOME WAS EARNED FROM:</u>	\$
3893	Subscriptions	4052
167	Transfer from Life Members	195 (Note I)
41	Donations	78
615	Profit from Christmas cards	1455
207	Sale Back numbers	269
137	Biology of Birds	81
5060	<u>TOTAL ORDINARY INCOME:</u>	\$6130
	<u>PLUS INVESTMENT AND OTHER INCOME:</u>	
562	Interest	592
269	Dividends	303
47	Premium on Maturity of Local Body Stock	35
32	Royalties	20 (Note II)
-	Booksellers Margin on direct Checklist sales	6
910	<u>TOTAL INVESTMENT & OTHER INCOME:</u>	\$956
5970	<u>TOTAL INCOME:</u>	\$7086
	<u>LESS EXPENSES:</u>	
	<i>Notornis</i> Printing & Distribution	5047
	<u>Less</u> advertising	9
		5038
18	Annual General Meeting	-
100	Audit Fee	100
-	Beach Patrol Scheme	67
10	Distribution Scheme	-
152	General Expenses	126
40	Kermadec Reprints	-
50	Library Expenses	50
38	Nest Record Scheme	-
72	Postages	98
175	Printing & Stationery	204
10	Recording Scheme	nil
20	Royal Society Affiliation	20
272	Travelling Expenses	276
-	<i>Notornis</i> Reprinting	275
6554	<u>TOTAL EXPENSES:</u>	6254
584	<u>DEFICIENCY</u>	<u>SURPLUS FOR YEAR TRANS-</u> <u>FERRED TO ACCUMULATED FUND:</u>
		\$832

THE ORNITHOLOGICAL SOCIETY OF N.Z. (INC.)SHARES IN PUBLIC COMPANIES
AS AT 31 DECEMBER 1973

<u>COMPANY</u>	<u>SHARES HELD</u>	<u>PAR VALUE</u>	<u>COST OF PURCHASES</u>	<u>APPROXIMATE MARKET VALUE AT 31/12/73</u>
Andrews & Beaven Ltd	650	\$1	986.79	712.50
N.Z. Forest Products	616	\$1	1370.25	2388.96
Golden Bay Cement	750	50c	372.31	717.50
Wattie Industries	841	\$1	781.23	1124.89
Winstone Ltd	750	50c	372.31	1010.00
			<u>\$3882.89</u>	<u>\$5953.85</u>

NOTE I Life Members Transfer : 10% of Balance at 31/12/73.

NOTE II Royalties from Sales of Checklist.

NOTE III Stocks of *Notornis* and Valuation of Library are at Standard Values. No attempt has been made to accurately value these assets. The remaining stocks of *Biology of Birds* have been written off.

NOTE IV Shares in Public Companies cost \$3883 and have an approximate market value of \$5954 at 31/12/73 as listed above. During the year, shares held in Farmers Trading Co. Ltd and Alex. Harvey Industries Ltd have been sold.

NOTE V Projects Assistance Reserve:
Movement in this account during the year is as follows:

Balance at 31/12/72 was	\$1582
Plus Royalty on Revised	
Field Guide	<u>645</u>
Balance at 31/12/73	<u>\$2227</u>

INVESTMENTS IN LOCAL BODY STOCKS
AS AT 31 DECEMBER 1973

Waitemata County Council	\$1533	due	17/2/74
Southland Hospital Board	900	due	1/11/74
Auckland Electric Power Board	400	due	15/10/75

DONATIONS 1973

The Society gratefully acknowledges the extra monies provided by the endowment members, and also the following donations exceeding \$1.00 which have been received:

J. Jones \$1.50; L.S. Rickard \$6.00; M. Hart \$2.00; J.W. St Paul \$1.00
 R.E. Satherly \$5.00; S.R. Emmens \$4.00; Mrs L. Collingwood \$1.00;
 E. St Paul \$2.00; A.E. Bond \$1.00; R.J. Pierce \$1.00; N. Walsh \$1.00
 Dr G.I. Nicholson \$2.00; P.H. Dale \$1.00; W.T. Poppelwell \$1.00;
 R.N. Cotter \$1.00; G.I. Hunt \$1.00; P. Warren \$1.00; M.D. Sibley \$1;
 R.G. Mueller \$6.00; J. Kelly \$1.00; P. Kelly \$1.00; Mr & Mrs H.K.
 Jukes \$1.00; Mrs G. Dudley \$21.00; Mrs H.F. Drake \$1.00;
 Miss E. MacLean \$2.00; G. Wightman \$1.00; Dr A.J. Baker \$10.00;
 M. Keillor \$1.00.

REPORT OF THE NEST RECORD SCHEME

For the Year Ended 30 April, 1974

A total of 402 nest record cards was received from 22 contributors. Observations were made for 54 species, including the following which appeared in the Scheme for the first time: Chatham Island Petrel, White-winged Black Tern. Chatham Island Red-fronted Parakeet and the Chatham Island Warbler. There are now 10,555 nest record cards covering 140 species within the Scheme.

Hugh Robertson of Palmerston North has again provided a substantial contribution to the Scheme with 114 cards of 17 species. This is more than one quarter of the cards received this year. Notable contributions were also received from W. J. Campbell, J. Cockrem, R. S. Cowan, G. Watola and Mrs P. G. Smith.

I take this opportunity of thanking the Regional Representatives for the encouragement given to their local members which resulted in a substantial contribution this year. Thanks go to my wife whose assistance with the Nest Record Scheme has again been extremely valuable.

D. E. CROCKETT, Nest Records Convener

SPECIES FROM WHICH NEST RECORDS HAVE BEEN
RECEIVED

	<u>Previous</u> <u>Total</u>	<u>Total</u> <u>1973/74</u>	<u>New</u> <u>Total</u>
N.I. Kiwi	3	-	3
Stewart Island Kiwi	4	-	4
Great Spotted Kiwi	1	-	1
Yellow Eyed Penguin	11	-	11
L.B. Penguin	65	11	76
N.Z. Crested Penguin	2	-	2
White Flippered Penguin	12	-	12
Rock Hopper Penguin	1	-	1
N.Z. Crested Grebe	3	-	3
N.Z. Dabchick	1	-	1
Wandering Albatross	11	-	11
Black Browed Mollymawk	1	-	1
Grey Headed Mollymawk	1	-	1
Light Mantled Sooty Albatross	6	-	6
Giant Petrel	4	-	4
Fairy Prion	16	-	16
Fleshy Footed Shearwater	1	-	1
Sooty Shearwater	4	1	5
Fluttering Shearwater	7	-	7
Allied Shearwater	3	-	3
Black Petrel	1	-	1
Grey Faced Petrel	1	1	2
Kermadec Petrel	14	-	14
Chatham Island Petrel	-	1	1
Pycrofts Petrel	5	-	5
White Faced Storm Petrel	5	3	8
Diving Petrel	51	1	52
Gannet	4	-	4
Black Shag	73	-	73
Pied Shag	21	-	21
Little Black Shag	1	-	1
White Throated Shag	30	-	30
King Shag	18	-	18
Chatham Islands Shag	2	-	2
Spotted Shag	5	-	5
Pitt Island Shag	3	-	3
Blue Heron	37	-	37
White Faced Heron	16	3	19
Bittern	2	-	2
Canada Goose	25	2	27
Domestic Goose	2	-	2
Mute Swan	9	-	9
Black Swan	62	1	63
Paradise Duck	7	-	7
Grey Teal	9	-	9
Brown Teal	2	-	2
Blue Duck	1	-	1
Grey Duck	9	1	10
Grey Mallard Cross	3	2	5
Mallard	79	-	79
Shoveller	16	-	16
Black Teal	7	-	7

	<u>Previous Total</u>	<u>Total 1973/74</u>	<u>New Total</u>
Harrier	65	-	65
N.Z. Falcon	7	-	7
Pheasant	20	3	23
Brown Quail	5	-	5
Californian Quail	22	2	24
Chukor	2	-	2
Banded Rail	4	-	4
Spotless Crake	8	-	8
N.I. Weka	6	1	7
S.I. Weka	8	-	8
Pukeko	162	9	171
Aust. Coot	14	2	16
S.I.P.O. - South Island Pied Oyster- catchers	117	2	119
N.I.P.O. - North Island Pied Oyster- catchers	45	1	46
C.I.P.O. - Chatham Island " "	7	2	9
Black Oystercatchers	49	-	49
Spur Winged Plover	34	-	34
Banded Dotterel	279	4	283
N.Z. Dotterel	68	10	78
Black Fronted Dotterel	8	2	10
Shore Plover	10	2	12
Wrybilled Plover	12	1	13
Chatham Island Snipe	1	-	1
Pied Stilt	316	13	329
Black Stilt	7	1	8
Southern Skua	45	-	45
Black Backed Gull	455	6	461
Red Billed Gull	118	13	131
Black Fronted Tern	222	2	224
Caspian Tern	65	5	70
Black Billed Gull	133	-	133
Antarctic Tern	3	-	3
Fairy Tern	11	-	11
White Fronted Tern	68	5	73
White Tern	1	-	1
White Winged Black Tern	-	1	1
Grey Ternlet	5	-	5
N.Z. Pigeon	31	-	31
Rock Pigeon	68	-	68
Kaka	10	-	10
Kea	63	-	63
Chatham Is. R.F. Parrakeet	-	1	1
N.Z. Red Crowned Parrakeet	8	-	8
Yellow Crowned Parrakeet	-	-	-
Shining Cuckoo	9	-	9
Long Tailed Cuckoo	1	-	1
Morepork	12	1	13
Little Owl	16	-	16
Kingfisher	73	1	74
S.I. Rifleman	129	-	129
N.I. Rifleman	6	-	6
Rock Wren	13	-	13

	<u>Previous Total</u>	<u>Total 1973/74</u>	<u>New Total</u>
Skylark	131	2	133
Welcome Swallow	268	-	268
Fantail	160	-	160
N.I. Fantail	60	4	64
N.I. Tomtit	26	-	26
S.I. Tomtit	38	2	40
Chatham Is. Tomtit	1	-	1
N.I. Robin	9	-	9
S.I. Robin	29	-	29
N.I. Fernbird	13	1	14
S.I. Fernbird	13	-	13
Stewart Island Fernbird	1	-	1
Brown Creeper	7	-	7
White Head	12	-	12
Yellow Head	17	-	17
Grey Warbler	135	3	138
Chatham Island Warbler	-	1	1
Song Thrush	1558	83	1641
Blackbird	1315	75	1390
Hedge Sparrow	189	-	189
N.Z. Pipit	69	-	69
Bellbird	28	-	28
Tui	36	1	37
White Eye	205	12	217
Greenfinch	150	-	150
Goldfinch	599	3	602
Redpoll	79	-	79
Chaffinch	250	13	263
Yellow Hammer	52	5	57
Cirl Bunting	4	-	4
House Sparrow	553	5	558
Starling	371	50	421
Myna	26	1	27
W.B. Magpie	31	3	34
Magpie Species	7	-	7
N.I. Saddleback	7	-	7

LIBRARY REPORT

During the year there have been many requests for interloan exchanges to libraries and to members. Back numbers of *Notornis* have been ordered and despatched. The usual journals and separates have been received and duly dealt with.

HETTY McKENZIE, Hon. Librarian



OSNZ RECORDING SCHEME

Report for 1973/74

Since publication of Classified Summarised Notes, new series, the number of requests for Species files has diminished. However in 1973/74 there have been requests from seven members for information on 11 species. The files of the Scheme continue to provide a useful depository for species lists, census figures and other material which are available for study on request. It would be appreciated if members could send their notes to me as soon as possible as their compilation is a time-consuming task, and I would appreciate having it completed before the Canberra congress in August.

A. T. EDGAR, Recording Scheme Convener



CARD COMMITTEE REPORT

The 1973 Christmas card depicted the Pied Tit by Miss L. A. Daff in *Forest Inhabiting Birds* published by the Royal Forest and Bird Protection Society. This was chosen to mark that Society's 50th Jubilee.

35,000 cards were sold, yielding a net profit of \$1,500. The individual mailing of brochures appeared to produce a much wider response, which together with reduced postal charges helped to compensate for increased printing costs.

In 1974 we will be dropping the historical series and will be giving a choice of four original paintings by Mrs Janet Marshall — Robin, Stitchbird, Rifleman and Falcon — plus mixed packages, including the past historical series.

On behalf of the Society I would like to thank the Royal Forest and Bird Protection Society for use of the painting and for addressing the brochures. I would also thank some Wellington members for helping package brochures and cards and Miss Harper of Kaikoura for her regular annual donation. Finally I would like to thank my wife, who again had to look after despatching orders during my absence in the field.

B. D. BELL, Convener

BIRD DISTRIBUTION MAPPING SCHEME

Annual Report for 1973

This report, the fifth in the series, is less detailed than usual because the record cards can no longer be sorted manually, and the computer tabulations have still to be checked. Nevertheless, a useful indication of progress is provided by the number of species lists received during the year and by the increase in the percentage of squares that have lists.

PROGRESS TOWARDS NATIONAL COVERAGE

Approximately 1900 species lists made during 1973 were received up to 26 March 1974. Other lists, compiled before 1973, reached the office too late for inclusion in last year's report (*Notornis* 20: 159-165, June 1973). Hopefully, there will be some more late cards to swell the 1973 total. The number of people who have contributed to the scheme since it began now stands at 404.

The squares shaded black in Figs. 1 and 2 are those from which one or more lists had been received by 26 March 1974. At that time, lists were available from 87% of the 1600 North Island squares (70% in December 1972) and from 76% of the 2000 South Island ones (59% in December 1972). Further work is needed to cover the many blank squares (left white in the accompanying maps) in several rather inaccessible areas along the main axial ranges of both islands. In the North Island, important gaps remain between the northern Ruahines and the Raukumaras and, in the South Island, further surveys are especially needed in north-west Nelson, in inland areas of Westland, Canterbury and Otago, and in south Westland and Fiordland.

PROCESSING THE DATA

All lists have now been coded for the computer and some preliminary tabulations are already to hand. Much checking and correcting, and development of computer programmes, are necessary before the data can be fully used. Nevertheless we hope that within a couple of months, we can again supply Regional Representatives with lists of species and other information which, regrettably, we were unable to provide while the cards were away being coded. Further work is needed before accurate maps of distribution can be printed by computer, but some recent trial prints were shown at the Society's Annual General Meeting.

THE FUTURE

Assuming a further substantial increase in both lists and coverage this coming season, the scheme's accumulated records to the end of 1974 should provide a useful baseline for detecting future changes in the distribution of common birds. While more years of intensive work would certainly yield longer lists for many squares, the interpre-

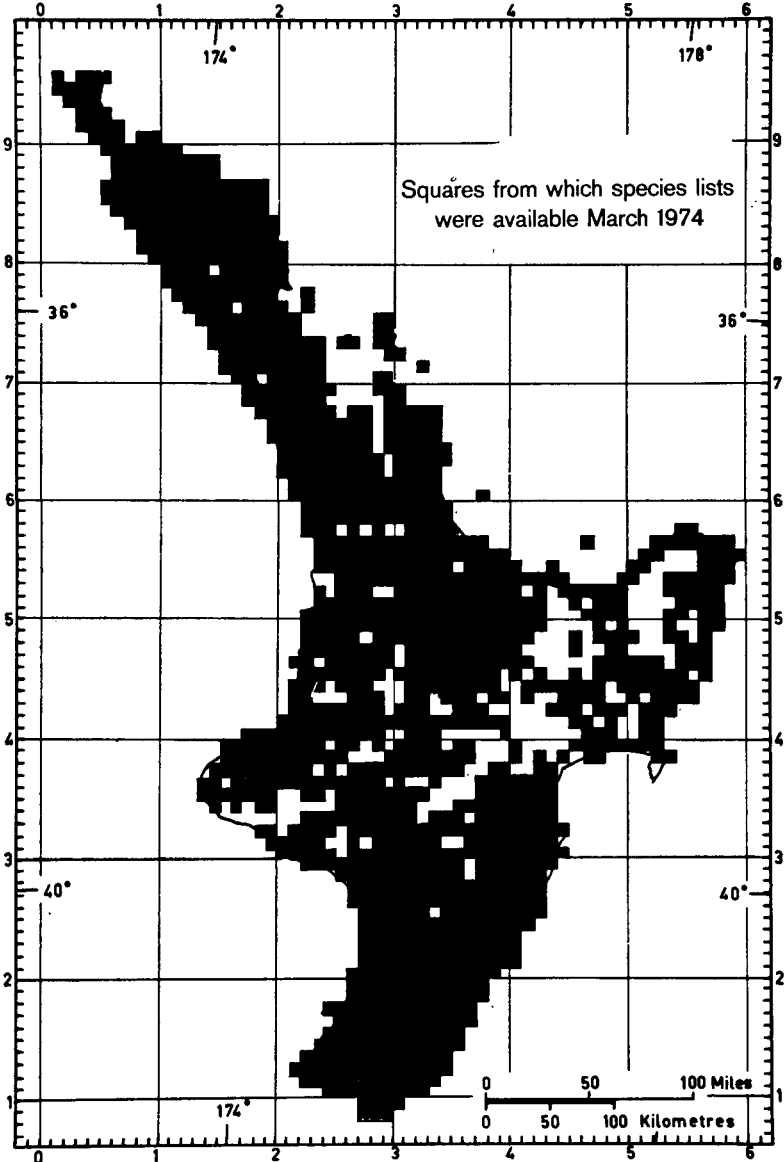


FIGURE 1 — Coverage in the North Island; the white areas are those from which no bird list has yet been received.

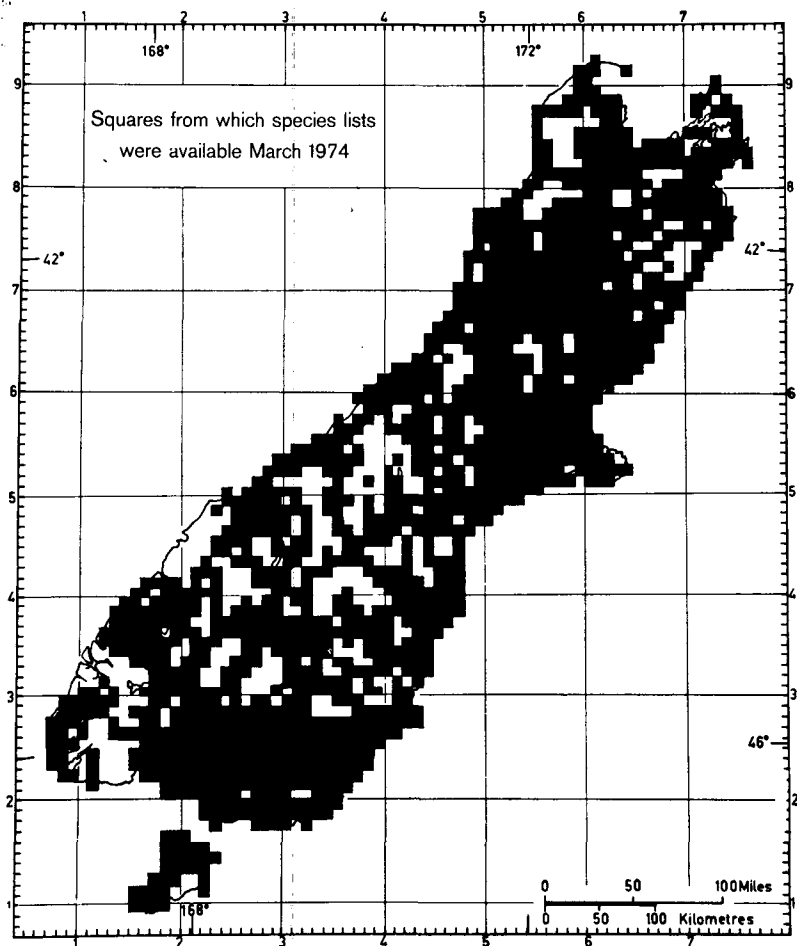


FIGURE 2 — Coverage in the South Island; the white areas are those from which no bird list has yet been received.

tation of the lists would be complicated by the longer time period involved. Further, the hard work and enthusiasm members have devoted to bird mapping since 1969 cannot be expected to continue indefinitely, and lots of hard work and enthusiasm will be needed to repeat the observations some years hence when there has been time for changes in distribution to occur.

For these reasons, the high priority given to the Bird Mapping Scheme by Council over recent years will be relaxed somewhat as from the end of 1974. Emphatically, this does not mean that the scheme is to be ended; rather the intention is to allow a rest period

in preparation for renewed efforts in a few year's time. As 1974 will be the last opportunity to ensure that the five-year pool of data provides a really good baseline for future comparisons, members are urged to make a special effort this year to compile species lists from new squares and from new habitats in squares already covered. Members who wish to continue making species lists after 1974 are of course welcome to do so, and all lists (but especially those from remote areas, new squares or new habitats) will be gladly received. The scheme's office will remain in being; it will devote special attention to methods of handling the present data and to planning the next phase of field work which will involve metric squares.

ACKNOWLEDGEMENTS

The authors wish to thank the many members of the Society who have compiled species lists during the year, and the Regional Representatives for their work in distributing and checking cards and in arranging field trips for bird mapping purposes. We are grateful to the Cartographic Section of DSIR for preparing Figs. 1 and 2, and to Dr J. A. Gibb (Director, Ecology Division DSIR) for permission to use official time and facilities in servicing the scheme. The major progress during the year has been the provision of computing services made possible through the good offices of Dr G. R. Williams (Head, Wildlife Service, Department of Internal Affairs) and the work of Mr C. J. R. Robertson (also of Wildlife Service) and officers of the Government Computer Centre in planning the coding and programming of data.

P. C. BULL

P. D. GAZE

*Ecology Division, DSIR,
P.O. Box 30466
Lower Hutt*