

TRANSACTIONS
OF THE
ROYAL SOCIETY OF NEW ZEALAND

ZOOLOGY

VOL. 7

No. 17

19 JANUARY 1966

Population Distribution of Land Birds in Temperate Rainforest
of Southern New Zealand

By JIRO KIKKAWA,

Department of Zoology, University of Otago*

[Received by the Editor, 6 October 1964.]

CONTENTS

ABSTRACT

INTRODUCTION

AREAS AND METHODS

RESULTS

A. General Survey

1. Fiordland
2. Stewart Island
3. Inland Nelson
4. East coast
5. Relative abundance in other areas

B. Detailed study at Botanic Gardens, Dunedin

1. Area
2. Size of breeding populations
3. Seasonal changes in total population size
4. Selection of nest-sites
5. Nesting success and productivity
6. Food and feeding habits

DISCUSSION

1. Limitations of the results
2. Ecological distribution
3. Population distribution
4. Exploitation of new habitats
5. Stability and instability of populations.

ACKNOWLEDGMENTS

APPENDICES

LITERATURE CITED

* Present address: Department of Zoology, University of Queensland, Brisbane, Queensland, Australia.