

SESSION II.
1912.
NEW ZEALAND.

NEW ZEALAND GEOLOGICAL SURVEY
(SIXTH ANNUAL REPORT (NEW SERIES) OF THE).

Presented to both Houses of the General Assembly by Command of His Excellency.

CONTENTS.

	Page		Page
Letter of transmittal	2	Report of Dr. J. Allan Thomson, Palaeontologist ..	6
Introduction	2	Office and laboratory work	6
Staff	2	Nature of the fossil collections	6
Summary of operations	2	(1.) The type and show collection	6
Publications	2	(2.) Undescribed collections of the old Survey..	7
Library	3	(3.) Partly determined collections of the re-	
Field-work in the Buller-Mokihinui Subdivision ..	3	inaugurated Survey	7
Introduction	3	Relation of the fossil collections to New Zealand	
General geology	3	stratigraphy	7
Economic geology	3	Field-work in East Marlborough and North	
(1.) Coal	3	Canterbury	7
(a.) Upper Blackburn and adjoining district	3	General account of the succession	7
(b.) Mackley or Orikaka district	4	Fresh discoveries	8
(2.) Alluvial gold	4	Correlation and subdivision of the Cretaceous beds	8
(3.) Auriferous-quartz vein	4	Correlation of the Grey Marls	9
Report of Dr. J. Henderson, Mining Geologist ..	5	The Mount Brown beds and the Greta or	
Introduction	5	Motuanan beds	9
Country examined	5	Description of fossils	9
Physiography	5	The Mesozoic marine faunas of New Zealand ..	10
General geology	5		
Economic geology	6		

M A P .

Southern part of Ngakawau watershed At end.