nature of the soil. It is unfortunate that so few details are at present available for 1908, a year of abnormal dryness for the whole of New Zealand. At any rate, the small rainfall of January and February shows that plants even of the moistest forests are occasionally subject to conditions other than those to which they are attuned.

Although so far to the north, frost is not unknown in the lowest portions of the forest, though probably it never reaches beyond 1° or 2°. On the higher land frosts of much greater severity are said to occur, but I should think that more than 5° or 6° Fahr. will be extremely rare.

High winds are frequent, as in nearly every part of New Zealand, and these, of course, have an immense effect in counteracting the intense hygrophytic conditions brought about by a great rainfall, a large number of rainy days, and a moist atmosphere.

All the above is most scanty and to some extent mere guesswork, and infinitely better data are required before we can have any true knowledge as to the relation between the climatic factor and the kauri-forest vegetation.

Montb.		1905.	1906.	1907.	1908.	Average.
January						
Inches			7.13	20.71	0.49	9·44
Days of rain	•••	•••	16	17	8	13
February-						
Inches		•••	<b>8</b> ∙ <b>0</b> 6	6.84	0.81*	5.24
Days of rain		•••	20	21	•••	20
March—						
Inches	]	•••	<b>8</b> ∙55	6.72		7.63
Days of rain		•••	21	18	•••	19
April—		_				
Inches	•••	8.77	6.24	11.64	•••	8·88
Days of rain	•••	26	19	21	•••	<b>22</b>
May			1			
Inches	••••	9· <b>4</b> 3	11.38	10.02	•••	10.27
Days of rain		25	26	25	•••	25
June—						
Inches		14.13	<b>8</b> ·18	11.14		11.15
Days of rain		<b>24</b>	20	22	•••	<b>22</b>
July—						
Inches		11.80	18.77	17.10		15.89
Days of rain		<b>27</b>	30	30		29
August-						
Inches	]	10.56	10.27	18.98	•••	13.27
Days of rain	[	27	25	27	•••	<b>25</b>
September—						
Inches		12.44	8.75	12.55		11.24
Days of rain		29	25	24		26
October						
Inches	••••	15.29	3.55	12.80		10.54
Days of rain		28	20	24		24
November—						
Inches		7.96	8.85	5.64		7.48
Days of rain		19	23	16		19
December—						
Inches		<b>4</b> ·59	4.18	12.55		7.10
Days of rain		19	15	16		16
•						
makel-		94.97	103.91	146.69		•••
101815	[1	224	260	261		•••
	-			10.00		
Monthly average		10.55	8.66	12.22	•••	9·91†
BEOHVILLY WY	""	24	21	21	•••	<b>2</b> 2†

† Average per 1 h over whole period

Before concluding this introduction I must express my sincere thanks for much valuable assistance to Mr. A. Hamilton, Director of the Dominion Museum. My thanks are also due to Mr. B. C. Aston, F.C.S., Chief Chemist of the Agricultural Department, who analysed certain soil samples, and to Mr. J. Maxwell, caretaker of the Waipoua Kauri Forest, who gave me much information re Maori names and uses of the plants.