

Table 4.—RETURN SHOWING SURVEYORS EMPLOYED AND THE WORK ON HAND ON 1ST APRIL, 1916.

Chief Surveyors.	Surveyors employed.			Work on Hand.					
	Staff.	Tempo- rary.	Contract.	Land District.	Trig.	Settle- ment.	Town.	Native- land Sur- vey.	Roads.
					Sq. Mls.	Acres.	Acres.	Acres.	Miles.
H. M. Skeet ..	13	5	47	Auckland ..	..	*189,406	44	261,557	337.0
W. H. Skinner ..	6	1	12	Hawke's Bay ..	..	79,047	..	40,646	9.0
G. H. Bullard ..	3	1	7	Taranaki ..	42	61,160	..	51,199	16.0
G. H. M. McClure	3	..	9	Wellington ..	..	13,138	..	46,097	..
F. A. Thompson ..	4	1	1	Nelson ..	..	62,290	..	..	7.5
H. G. Price ..	..	1	1	Marlborough ..	..	5,906	..	..	..
W. F. Marsh ..	..	1	1	Westland ..	..	27,684	..	3,970	..
C. R. Pollen ..	2	1	..	Canterbury ..	..	69,698	..	..	29.5
R. T. Sadd ..	5	..	..	Otago ..	..	312,600	..	..	..
H. D. M. Hazard	4	..	..	Southland ..	..	22,630	..	..	..
Total staff surveyors	40	11	78	..	42	843,559	44	403,469	399.0

* Includes 1,500 acres topographical.

Table 5.—PRINCIPAL CLASSES OF OFFICE-WORK DONE FROM 1ST APRIL, 1915, TO 31ST MARCH, 1916.

District.	Plans placed on Instruments of Title.			Deeds and other Instruments passed.	Plans examined.	Deeds or other Instruments.	Maps drawn.		Lithos published.	Lithos sold.
	Leases and Licenses.	Freehold.	Miscellaneous.				Standard Publications.	Sale Plans.		
Auckland ..	1,755	3,224	5,374	5,340	1,861	..	..	216	3,500	£ s. d.
Hawke's Bay ..	184	2,529	1,179	844	582	154	2	26	..	180 4 7
Taranaki ..	302	1,038	268	49	219	267	5	16	18	33 14 6
Wellington]	410	4,241	1,289	2,275	446	410	16	94	..	16 14 7
Nelson ..	643	480	..	185	243	410	..	20	..	4 5 3
Marlborough ..	219	362	2	..	84	209	..	3	..	27 15 7
Westland ..	358	110	204	..	69	3	3	..	..	5 8 0
Canterbury ..	326	3,189	142	2,084	307	..	4	13	..	19 9 0
Otago ..	343	1,121	..	556	173	343	2	42	530	15 3 3
Southland ..	279	1,181	1	387	109	469	1	41	..	66 4 2
Totals ..	4,819	17,475	8,459	11,720	4,093	2,265	33	471	4,048	31 6 2

APPENDIX I.—THE MAGNETIC OBSERVATORY.

THE Director states that during the year the Adie magnetographs at the Magnetic Observatory at Christchurch have been kept in continuous operation. From the resulting daily magnetograms there have been calculated an uninterrupted series of actual hourly values of the magnetic declination of every hour of the year. A similar series of hourly values of the horizontal magnetic force has also been calculated, with the exception of the Greenwich hours 10 h. to 15 h. and 17 h. to 23 h. on the 17th June. On this day the greatest magnetic storm of the year occurred, and unfortunately between the hours mentioned the horizontal force diminished so much that it was beyond the range of the instrument.

The mean values of the magnetic declination for the year is $16^{\circ} 47'$ E. of N., and of the horizontal force 0.22387 C.G.S. unit.

Throughout the year the Milne seismograph has been kept in continuous operation, and a large number of valuable records of earthquakes has been obtained. The work of developing records alone has been of considerable magnitude.

The usual daily meteorological readings have been made and published for public information; also the self-recording meteorological instruments have been successfully operated.

Two especially important events in the history of this Observatory have occurred recently. The first is the visit to Lyttelton of the "Carnegie," the ocean magnetic surveying-vessel of the Carnegie Institution of Washington. This vessel, under the command of Captain J. P. Ault, arrived at Lyttelton on the 3rd November, 1915, and sailed for a circumpolar cruise on the 6th December. During the visit an arduous but valuable comparison was made between the Observatory standards and those of the Carnegie Institution, with results not differing greatly from those obtained before during the visit of the "Galilee" in 1908. The "Carnegie" returned