



# E RECORDS BY MILNE SEISMOGRAPH.

Register from

SYDNEY OBSERVATORY, NEW SOUTH WALES.

(Name of Station)

Director, Superintendent, or Observer :

James Hangle, Director, W.C. Graham, Observer.

No.	Date.	Com- ponent.	P			PR <sub>1</sub>			S			SR <sub>1</sub>			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
1929																					
Jan. 11	E-W		13	48	30	.	.	.	13	52	24	13	54	30							
13	"	?	.	.	.	.	.	.	0	25	24	0	25	48	P&S? A.T's						
									38	09		39	06		precede						
									52	18		53	46								
									58	30		59	36								
									1	03	06	1	06	30							
									09	18		10	24								
									13	42		15	00								
21	"		5	57	36	.	.	.	5	03	48	.	.	.	5	06	24	5	07	00	
Record lost January 24d 18h 57m to 24d 23h 53m - Clock stopped.																					
25	"	?	.	.	.	.	.	.	2	07	42	.	.	.	2	10	12	2	12	28	P?. A.T's
																					precede
30	"		17	02	42	.	.	.	17	11	18	.	.	.	17	22	00	17	23	12	
			D.V. 1 mm = 0".28						B.P. = 18s												

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			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
	1929																				
	Feb. 2	E-W	0	41	30				0	55	48				0	21	12	0	24	30	
																27	00		29	30	
																33	00		34	00	
																35	18		36	48	
																43	42		46	00	
	2	"	14	53	30										15	01	30	15	05	30	
																07	38		08	18	
	8	"	?						?						2	58	30	2	59	12	P&S? A.F.'s precede
	10	"	?						13	35	00				16	42	48	16	45	18	P? "
	11	"	14	53	42										14	59	24	15	01	30	
	16	"	?						?						9	09	18	9	11	30	P&S? "
	16	"	19	41	42				19	49	18	19	52	24	19	54	00	19	56	30	
	21	"	?						?						22	04	18	22	06	38	
																21	48		24	00	
																28	28		29	48	
																37	00		38	30	
																47	30		49	18	
	26	"	?						3	24	30				3	40	00	3	42	12	P? "

D.V. 1 mm = 0".28

B.P. = 18s

# E RECORDS BY MILNE SEISMOGRAPH.

Register from **SYDNEY OBSERVATORY, NEW SOUTH WALES.**

(Name of Station)

Director, Superintendent, or Observer: **James Nangle, Director, W.C.Graham, Observer.**

No.	Date. 1929	Com- ponent.	P			PR <sub>1</sub>			S			SR <sub>1</sub>			L			Max.	Remarks.	
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.			H.
Record lost March 3d 16h 23m to 4d 9h 59m - Barrel jammed.																				
	Mar. 7	E-W	1	47	48				1	48	24	2	05	48	2	27	20		lost. $\Delta$ 9480 kms	
	9	"	10	54	30				10	58	36				11	00	00	11	01	48
															03	30		04	00	
															06	00		06	30	
															07	00		08	00	
															10	30		11	00	
															13	30		14	38	
															17	18		18	24	
	18	"	6	04	30										6	10	18	6	12	36
	18	"													1	02	00	1	03	30
															06	00		07	48	
	21	"													3	38	00	3	42	30
	23	"	20	07	18				20	16	00	22	58	00	25	24	00	27	00	
	24	"	5	36	30				5	42	12				5	44	30	6	46	18
	28	"													21	08	12	21	12	00
																		17	08	
	31	"	5	30	08				5	36	00				5	41	12	5	42	36
																		45	00	
																		46	48	
			D.V. 1 mm = 0 <sup>m</sup> .28      B.P. = 18s.																	

*New Zealand*

# RECORDS BY MILNE SEISMOGRAPH.

Register from *Sydney Observatory N.S. Wales* (Name of Station)

Director, Superintendent, or Observer: *James Hange Director W. Graham Bennett*

No.	Date.	Com- ponent.	P			PR <sub>1</sub>			S			SR <sub>1</sub>			L			Max.	Remarks.	
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.			H.
	<i>1929</i>																			
	<i>April 1</i>	<i>E-W</i>			<i>?</i>															<i>P? Air Tremors faint</i>
	<i>9</i>	<i>"</i>			<i>4 14 18</i>															
	<i>13</i>	<i>"</i>			<i>?</i>															
	<i>24</i>	<i>"</i>			<i>7 08 48</i>															
	<i>27</i>	<i>"</i>			<i>?</i>					<i>21 10 48</i>										

*D.V 1 mm = 0.28 B.P = 14<sup>s</sup>*





# RECORDS BY MILNE SEISMOGRAPH.

Register from **Sydney Observatory, New South Wales** (Name of Station)

Director, Superintendent, or Observer :

No.	Date. 1929	Com- ponent.	P			PR <sub>1</sub>			S			SR <sub>1</sub>			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
June 17	"	E-W	10	31	00									10	35	42	10	36	30		
17	"	"	10	42	24									10	47	18	10	42	18		
19	"	"	3	28	18									3	35	30	3	37	00		
19	"	"	7	45	42			7	52	48				8	01	18	8	03	36	5400 kms	
19	"	"	9	21	18			9	25	48				9	27	00	9	28	30		
20	"	"	18	26	36									18	49	00	18	49	30		
20	"	"	20	24	18									20	42	00	20	43	48		
21	"	"	14	33	12									14	57	30	14	58	42		
22	"	"	15	34	30			15	38	12				15	39	36	15	42	18	2800	
														44	30		45	00			
														46	00		46	18			
														47	08		47	46			
														48	36		49	12			
														50	00		50	24			
														51	12		51	42			
22	"	"	19	48	00			19	47	30				19	49	18	19	51	00	2800kms	
27	"	"	13	00	30			13	11	00				13	25	18	13	41	06		
														44	34		45	24			
														48	36		52	00			
														53	36		54	18			
														55	00		55	30			
														14	00	48	14	01	24	9400kms	
														02	12		02	36			
														11	18		12	00			
														14	48		15	12			
														20	12		21	00			
														25	48		26	36			
														32	26		34	18			
														41	30		42	18			
30	"	"	3	00	24	3	04	00	3	07	30	3	10	42	3	16	00	3	18	12	
														22	48		23	30		5300 kms	
30	"	"												25	12		25	36			
														5	44	42	5	47	00		

# WAVE RECORDS BY MILNE SEISMOGRAPH.

Register from

Sydney Observatory, New South Wales.

(Name of Station)

Director, Superintendent, or Observer:

James Hangle, Director, W.C.Graham, Observer.

No.	Date.	Com- ponent.	P			PR <sub>1</sub>			S			SR <sub>1</sub>			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
1929																					
Nov. 4	E-W		15	42	36				15	45	12				15	47	00	15	47	30	△ 1500kms
13	*		0	51	12				0	57	12				1	02	06	1	05	00	△ 4200kms
															07	54		08	48		
15	*		18	57	42				18	04	30	18	08	36	18	13	06	18	14	12	△ 5100kms
															15	48		17	00		
															20	36		21	30		
17	*		3	51	48				3	57	48				4	02	12	4	02	48	△ 4200kms
															07	00		07	30		
															09	36		10	30		
															12	18		13	12		
															17	06		17	30		
															19	48		20	24		
															23	12		23	36		
															28	30		29	18		
															39	00		40	00		
18	*		5	55	12										6	06	30	6	09	12	
															11	48		12	48		
18	*		20	52	08				21	11	00				21	55	12	21	58	54	P and S ?
															22	03	30	22	03	36	
															24	18		25	54		
															28	30		29	30		
23	*		0	08	12				0	13	30				0	19	00	0	20	00	△ 3400kms
															22	12		23	36		
															27	00		27	30		

D.V. lam = 0".29

B.P. = 120



SEISMIC RECORDS BY MILNE SEISMOGRAPH.

Register from Sydney Observatory, New South Wales.

(Name of Station)

Director, Superintendent, or Observer: James Wangle, Director, W.C.Graham, Observer.

No.	Date.	Component.	P			PR <sub>1</sub>			S			SR <sub>1</sub>			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
1929																					
	Dec. 3	E-W	7	47	30				7	51	30	7	54	13	7	56	36	7	57	00	△ 2400kms
	4	"													8	47	00	8	49	30	
	4	"	7	50	12										8	08	00	8	10	20	
	6	"	17	10	30										17	31	00	17	39	00	
	6	"	20	46	30										21	08	00	21	16	00	
	9	"	7	10	18				7	18	00				7	28	30	7	29	30	P&S T A.Ts precede.
															31	54	33	33	42		
															36	00	36	30			△ 6100 kms
	13	"	8	32	08										8	35	36	8	37	30	P possibly S
	16	"	11	34	48										11	40	18	11	42	48	co. co.
	17	"	11	12	00				11	22	18				11	38	00	11	39	00	
															42	18	43	00			△ 8650kms
															52	00	55	00			
															56	48	59	48			
															12	01	00	12	02	00	
															04	00	05	00			
															10	42	11	30			
															12	42	14	36			
															17	54	16	48			
															21	30	23	18			
															24	30	25	12			
															26	38	22	00			
															42	00	43	42			
															46	30	48	00			
															13	05	12	13	08	00	
															4	49	48	4	51	18	
															8	23	12	8	25	34	
															13	52	12	13	53	00	
															1	28	36	1	27	42	
															1	31	00	1	33	00	A.Ts precede
															4	20	00	4	21	36	
									4	58	30				5	00	00	5	00	30	A.Ts precede
									22	24	00				22	26	18	22	27	06	
															29	00	29	36			

D.V. 1 mm = 0".29      E.P. = 19s.