

Earthquake Records by Milne Seismograph Meridian Boom. Stonyhurst College Observatory.

Lat. 53° 50'.7 N., Long 2° 28'.2 W., Above Sea, 363 feet.

Time, Greenwich, 0 or 24 = Midnight.

Abbreviations on the other side.

Date 1916	P ₁		P ₂		P ₃		Maximum		2 A	End		Boom Deviation, 1 mm = 22.0" arc Boom Period = 20 sec Pillar Inclination 1 mm = 0.38" arc
	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.	
Jan 1	12	29.5 e	13	41.8 e	-	-	14	39.4	15.7	23	3.	<i>January</i> From 3 rd to 7 th Clock motor out of order.
13	6	44.2	-	-	-	-	7	21.7	2.1			
"	-	-	-	-	-	-		23.6	2.8			
13	In preceding		-	-	-	-	9	26.2	17.9			
"	-	-	-	-	-	-		34.4	18.0			
13	In preceding		-	-	-	-	10	33.7	9.2	after 12 th		
13	-	-	-	-	-	-	22	52.	.2			
14	7	24. e	-	-	-	-	7	38.	.2			
15	tremors		20	0.5 e	-	-	6	44.	.4	8	26.	
19	24	7 0.8 e	-	-	-	-	20	16.8	.4			
24	7	42.3 e	7	46.1 e	7	48.2 e	7	14.2	12.0	10	40.	
26	13	6.4 e	-	-	-	-	7	49.2	5.8	9	20.	
26	13	6.4 e	-	-	-	-	14	27.5	.9	15	32.	
27	15	5.5 e	-	-	-	-	15	9.6	.1	15	46.	
30	21	23. e	-	-	-	-	21	53.8	.5	23	0.	
31	18	27.8 e	-	-	-	-	19	6.0	1.5	22	55.	
Feb 1	7	34. e	8	0.6 e	8	27. e	3	14.6	.5	11	28.	<i>February</i> In tremors
2	22	1.3 e	22	27.1 e	-	-	22	32.6	.3	22	53.	
5	-	-	-	-	-	-	15	27.	.1			
6	-	-	-	-	-	-	11	26.	.2			
6	22	2.0 e	-	-	-	-	22	45.6	4.2	25	25	
7	-	-	-	-	-	-	20	23.5	-			
8	-	-	-	-	-	-	1	6.8	.2			
8	15	53.1 e	15	59.2 e	-	-	16	25.2	.2	17	0.	
9	-	-	-	-	-	-	20	47.0	-			
10	2	44.4 e	-	-	-	-	2	57.5	.3			
11	8	53.8 e	-	-	-	-	9	15.1	.1			
14	10	29.5	-	-	-	-	11	15.2	1.0			
14	-	-	-	-	-	-	18	41.0	.1			
20	?	-	18	8.5 e	-	-	18	40.2	1.9	21	15.	
22	-	-	-	-	-	-	20	25.	.1			
27	20	33.0 e	20	43. e	-	-	21	2.8	5.8			
"	-	-	-	-	-	-		6.6	6.1			
"	-	-	-	-	-	-		9.3	6.9	24	42.	
Mar 4	8	9.0 e	-	-	-	-	8	30.	.3	9	20.	<i>March</i>
11	-	-	-	-	-	-	19	4.2	.1			
12	-	-	-	-	-	-	0	56.6	-			
12	7	44.8 e	7	54. e	8	8.3 e	8	17.5	.6			
13	-	-	-	-	-	-	0	20.5	-			
16	-	-	-	-	-	-	23	20.6	-			
18	0	36.3 e	0	42.3 e	-	-	0	49.5	-			
19	13	1.0 e	-	-	-	-	13	18.8	-			
19	-	-	-	-	-	-	23	42.4	-			
20	-	-	-	-	-	-	0	45.	-			
22	-	-	-	-	-	-	12	32.5	-			
26	Lost in tremors		-	-	-	-	0	51.0	1.0			
29	19	32.7 e	-	-	-	-	19	39.	.2			
30	2	31.0 e	2	34.3 e	-	-	2	39.7	.2			

Rev. W. Sidgreaves, S. J.



ABBREVIATIONS.

$P_1 P_2 P_3$ = 1st, 2nd and 3rd phases (arrivals).

M.—Maximum.

A.—Amplitude. Greatest Displacement.

i.—(Impetus). Sudden shock. Well defined.

e.—(Emersio). Emerging. Gradual Development. (Quoted time therefore not certain).

In.—(Initium). Commencement, without statement of phase.

Roman Numerals in the margin for days of the month.

×—Reference to date in margin.

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Date 1916	P ₁		P ₂		P ₃		Maximum		2 A	End		Boom Deviation, 1 mm = 2.20" arc Boom Period = 2.0 sec Pillar Inclination 1 mm = 0.38" arc		
	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.			
Apr. 5	21	4.80	-	-	-	-	21	25.8	.5	22	9	April		
7	8	42.40	8	46.80	8	56.80	9	28.0	2.3	13	12			
7	-	second shock?					10	46.7	1.1					
11	-	In tremors					3	16.	.2					
15	-	12	58.70	-	-	13	41.7	1.0	16	20				
16	-	-	-	-	-	23	21.5	.1						
18	-	In tremors					1	48.	.1					
18	4	16.30	do.	-	-	4	51.6	1.6	6	52	} Perhaps a greater max. at change			
21	11	7.80	-	-	-	12	33.	2.0						
26	2	37.10	2	44.00	-	3	4.8	4.1	5	24				
26	6	49.00	-	-	-	7	10.	.5						
May	Instrument out of working order all through the month											May		
June 1	-	-	-	-	-	15	14.7	.4			June			
5	-	-	-	-	-	2	6.5	.1						
9	21	47.50	-	-	-	22	31.	.5						
15	11	40.00	-	-	-	12	29.5	.4						
"	-	-	-	-	-	34.8	.4							
"	-	-	-	-	-	38.4	.5							
16	-	-	-	-	-	0	31.	.1						
19	1	40.60	-	-	-	2	5.5	.6						
19	-	-	-	-	-	4	29.	.1						
19	-	-	-	-	-	4	38.	.1						
21	21	45.50	-	-	-	22	2.6	1.0						
"	-	-	-	-	-	26.0	.7	24	0.					
25	18	56.30	-	-	-	19	12.7	.2	19	31.				
July 15	-	-	-	-	-	0	32.5	.1			July			
15	-	-	-	-	-	8	12.5	.4						
16	18	38.20	-	-	-	19	5.3	.5						
23	-	-	-	-	-	11	20.5	.1						
28	Between hks 18, 19					-	-	.5			Time uncertain			
Aug. 3	1	52.50	-	-	-	2	38.	2.1			August			
3	-	-	-	-	-	3	26.5	1.0	4	40.				
8	4	47.40	-	-	-	5	18.6	.6	5	59				
16	7	10.00?	-	-	-	7	15.1	1.9	7	58				
16	-	-	-	-	-	8	23.6	.2	8	34				
25	9	57.40	10	7.90	-	10	36.2	1.2	13	5				
27	23	21.20	23	28.60	-	23	36.1	.6	24	11				
28	?	6	49.50	-	-	7	22.5	8.6						
"	-	-	-	-	-	8	17.6	6.7	11	0.?				

Many other disturbances of less than 2 A = .1 mm have been included in reports sent to Slide.

Rev'd W. P. ...



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