

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 1914	P ₁		P ₂		P ₃		Maximum		2 A	End		Boom Deviation, 1 mm = 220" arc Boom Period = 20 sec Pillar Inclination 1 mm = .38" arc
	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.	
<i>July</i>												
3	20	32.7 e	-	-	-	-	21	13.5	.2	22	3.	
4	18	0. e	-	-	-	-	18	44.	.4	19	35.	
5	0	4.7 e	-	-	-	-	0	58.5	.1	2	15.	
"	22	27. e	-	-	-	-	23	2.	.5	24	25.	Times approx. Watch failed
"												do.
6	6	55. e	-	-	-	-	7	33.	.7	-	-	do.
8	22	1.4 e	-	-	-	-	22	6.4	.1	-	-	
12	-	-	-	-	-	-	22	29.5	-	-	-	Watch away
14	3	35. e	-	-	-	-	4	14.5	.5	5	33.	do.
17	7	19. e	-	-	-	-	7	53.	.6	10	36.	
"	-	-	-	-	-	-	"	57.5	.7			
21	22	52. e	-	-	-	-	23	10.	.5	23	42.	

<i>Aug.</i>												
4	22	51.4 i	23	0.4 i	23	13.2 i	23	21.5	13.8	25	43.	The two entries for P ₂ seem dif- ferent phases.
"	-	-	"	3.4 i	-	-	-	-	-	-	-	
5	10	56.5 i	11	9.2 i	-	-	11	15.6	.8	-	-	Many equal maxima.
6	4	36. e	-	-	-	-	-	-	.2	6	33.	
8	19	32.5 e	-	-	-	-	19	54.2	.5	21	18.	
"	-	-	-	-	-	-	"	58.5	.5			
11	-	-	-	-	-	-	6	41.2	.2	-	-	
"	-	-	-	-	-	-	"	47.5	.1			
14	20	15.5	-	-	-	-	20	46.5	.2	21	30.	
"	-	-	-	-	-	-	"	54.0	.2			
20	-	-	-	-	-	-	10	14.5	.5	-	-	
22	5	50.6 e	-	-	-	-	6	9.5	.5	7	28.	
"	?	-	16	18.3? e	-	-	16	28.5	.6	?	-	End after 17.6
24	6	53.8 e	-	-	-	-	7	23.5	.4	8	44.	
28	8	54.7 e	-	-	-	-	9	28.7	.9	10	55.	
"	18	5.7 e	-	-	-	-	18	21.5	.6	19	0.	

Errata in last bulletin:
For June 26 read June 25
" 27 " " 26

Rev^d W. Sidgreaves S. J.

ABBREVIATIONS.

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

M.—Maximum.

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	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.	Boom Period = 20 sec	Pillar Inclination 1 mm = 38" arc
<i>Sept</i>												<i>September</i>	
2	20	48.e	—	—	—	—	21	30.	.2	21	53		
4	18	17.2e	—	—	—	—	18	43.5	.2	19	31		
6	0	18.2e	—	—	—	—	0	32.	.1	0	38		
10	16	39.e	—	—	—	—	17	20.1	.4	17	48		
11	At "change"		—	—	—	—	12	39.	.7	16	39		
13	2	2.0e	—	—	—	—	2	23.	<.1	2	40		
15	0	15.6e	—	—	—	—	0	58.	.5	—	—	End in tremors	
25	—	—	—	—	—	—	10	7.5	.2	—	—		
"	—	—	—	—	—	—	10	39.5	<.1	—	—		
"	—	—	—	—	—	—	11	22.	.6	—	—		
<hr/>													
<i>Oct.</i>												<i>October</i>	
1	6	44.7e	—	—	—	—	7	5.5	.2	9	0.		
"	8	39.e	—	—	—	—	9	15.	—	—	—		
3	17	31.1i	17	38.7i	17	48.4i	17	51.2	21.9.	21	28.		
"	—	—	22	11.5i	22	16.4i	22	17.2	10.6.	—	—		
"	—	—	—	—	—	—	21.7	9.9.	—	—	—		
"	—	—	—	—	—	—	24.7	13.7	—	—	—	} 26 55.	
6	19	45.5e	20	0.6e	—	—	20	45.4	.5	—	—		
"	—	—	—	—	—	—	21	7.5	.4	—	—	} 21 46	
8	12	38.4e	—	—	—	—	13	11.8	.2	14	0.		
9	2	49.5e	3	2.5i	3	17.0i	3	18.3	.5	4	29.		
11	—	—	—	—	—	—	16	42.5	.2	—	—		
"	?	—	—	—	—	—	17	12.4	.2	17	23.		
14	14	58.7e	—	—	—	—	15	14.5	.1	15	36.		
17	—	—	6	31.7i	6	34.7i	6	38.8	2.9	7	16.		
21	16	35.5e	—	—	—	—	17	8.	.2	17	40.		
23	6	38.5i	6	46.5i	7	17.e	7	18.5	3.8	—	—	} ---> Interference?	
"	—	—	—	—	—	—	19.5	4.0	—	—	—		
"	—	—	—	—	—	—	24.5	5.8	—	—	—		
"	—	—	—	—	—	—	28.5	3.7	—	—	—		
"	—	—	—	—	—	—	35.3	3.9	—	—	—	} 9 38.	
24	Tremors between 12 52 713 10 of mag. .5												
27	4	13.8i	—	—	—	—	4	33.9	.3	5	54.		
28	1	0.7	—	—	—	—	1	47.2	.2	—	—		
"	—	—	—	—	—	—	50.7	.3	—	—	—		
"	—	—	—	—	—	—	2	10.	.3	—	—	} 3 3.	

Rev. W. Sidgreaves S. J.

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	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.	
<i>Nov</i>												<i>November</i>
4	11	25.5e	-	-	-	-	11	45.5	.5	-	-	
"	12	31.6e	-	-	-	-	13	3.7	.2	13	27	
10	7	52.e	<i>preceded by tremors</i>				8	10.	.2	8	55	
"	-	-				8	27	.3				
16	-	-	-	-	-	-	0	50.5	<.1	-	-	<i>in tremors</i>
"	-	-	-	-	-	-	2	21.2	.1	-	-	" "
18	-	-	-	-	-	-	9	43.2	<.1	-	-	
"	9	52.e	-	-	10	24.8e	10	29.5	1.4	-	-	
22	8	44.5e	-	-	-	-	9	5.7	.4	10	56	
24	12	5.3e	12	16.4i	-	-	12	47.3	5.0	15	17	
"	-	-	-	-	-	-	"	55.	5.6			
27	14	44.1i	14	48.i	14	57.5i	14	53.6	2.7	16	23	
28	-	-	11	31.6e	11	36.7e	11	38.5	1.6	-	-	
"	-	-	-	-	-	-	"	44.7	2.0			
"	14	5.1e	-	-	-	-	14	18.	.5	14	50	

Dec.

20	14	30.5e	14	57.2i	15	24.5e	15	29.3	3.0	17	12	
23	-	-	-	-	-	-	6	50.5	.1	-	-	
25	-	-	-	-	-	-	4	17.5	<.1	-	-	
27	-	-	-	-	-	-	14	35.5	<.1	-	-	

December

Tremors frequent

Instrument out of action between 12th and 19th.

Rev. W. Sidgreaves, S. J.

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