

British Association for the Advancement of Science.

Circular No. 4, issued by the Seismological Committee, Professor J. W. JUDD, C.B., F.R.S. (Chairman), Mr. JOHN MILNE, F.R.S., *Shide, Isle of Wight* (Secretary).

CONTENTS.

	PAGE
I. <i>General Notes on Registers from Similar Horizontal Pendulums.</i>	93
II. <i>Registers from:—</i>	
<i>Shide, Isle of Wight, England (January 7 to June 24, 1901, Nos. 455 to 505)</i>	94
<i>Kew, England (January 7 to June 24, 1901, Nos. 267 to 304)</i>	96
<i>Bidston, England (January 8 to June 24, 1901, Nos. 1 to 59)</i>	98
<i>Edinburgh, Scotland (December 20, 1900, to June 24, 1901, Nos. 1 to 48)</i>	99
<i>Strassburg (January 7 to May 28, 1901)</i>	101
<i>Toronto, Canada (January 4 to June 24, 1901, Nos. 290 to 328)</i>	102
<i>Victoria, B. C., Canada (January 4 to June 24, 1901, Nos. 257 to 302)</i>	103
<i>San Fernando, Spain (January 7 to June 24, 1901, Nos. 90 to 102)</i>	106
<i>Cairo, Egypt (January 4 to June 15, 1901, Nos. 59 to 71)</i>	106
<i>Cape of Good Hope (January 8 to June 17, 1901, Nos. 99 to 115)</i>	107
<i>Calcutta (January 8 to June 26, 1901, Nos. 70 to 86)</i>	108
<i>Bombay (January 7 to June 24, 1901, Nos. 10 to 358)</i>	108
<i>Kodaikāmal, S. India (January 7 to June 24, 1901, Nos. 2 to 57)</i>	109
<i>Batavia (January 4 to June 25, 1901, Nos. 279 to 316)</i>	110
<i>Trinidad (January 7 to June 25, 1901, Nos. 11 to 27)</i>	111
<i>Baltimore, U.S.A. (April 5 to June 13, 1901, Nos. 1 to 15)</i>	112
<i>Mauritius (January 7 to April 27, 1901, Nos. 89 to 131)</i>	112

I. *General Notes on Registers from Similar Horizontal Pendulums.*

The following registers are continuous with those published by the Seismological Investigation Committee in their first three circulars and in the Reports of the British Association, 1896 to 1899.

In the next circular these registers should be continued up to December 31, 1901, and, so far as possible, supplemented by corresponding

1****

registers from the following places: Paisley, Coimbra, Beirut, Batavia, Tokio, Vizagapatam (Madras), Mauritius, Ceylon, Mexico, Swarthmore (Philadelphia), Melbourne, Sydney, West Australia, New Zealand (two stations), Cordoba (Argentina), Arequipa, Irkutsk, Tiflis, Taschkent, and Honolulu.

If observers at these and other places working with the type of instrument adopted by the British Association will kindly send a copy of their register, together with copies of their more important seismograms, to the Secretary of the Seismological Investigation Committee, British Association, Burlington House, London, W., as early as possible after June 30, and again after December 31 of each year, the interval of time which must elapse before they receive copies of the registers from co-operators in various parts of the world will be considerably reduced.

The time employed is Greenwich mean time (civil) expressed in hours, minutes, and in decimals of minutes.

D. First P.T.s.—This refers to the duration of the first preliminary tremors or the first uniform thickening of the trace.

Amplitude indicates half of the complete range of the maximum motion. When this exceeds one millimetre it is expressed in millimetres. Values less than one millimetre refer to the thickening of a line and indicate half its width.

As 1° turn of the test screw in the bed-plate of the instrument causes a tilt of 1''·9, and as this is accompanied by a measurable displacement of the outer end of the boom—it is easy to convert measurements of amplitude into seconds of arc. These latter figures are chiefly of value in connection with observations made near to earthquake origins. At a long distance from an earthquake centre the movement is practically horizontal. In other classes of investigations, as, for example, when searching for a relationship between the slow 'wanderings' of the pendulum and changes in barometric gradient, which at certain stations and under certain conditions appear to be measurable, angular measurements may be of importance.

The Register from Shide, Isle of Wight, England.
Observer, JOHN MILNE. Assistant, SHINOBU HIROTA.

[Amplitudes may be converted into angular measure by multiplying by 0''·47. Y.P. (Yarrow Pendulums) refers to records from an instrument equivalent to two Milne pendulums at right angles to each other.]

Shide No.	Date	Commence-ment	Maximum	Ampli-tude	Dura-tion	Remarks
1901.						
455	Jan. 7	H. X. 0 43·2	H. M. 2 3·5	MM. 1·5	H. M. 2 30	—
456	" 8	20 26·8	20 35·0	0·5	0 30	—
457	" 9	15 35·0	—	—	—	Also slight thickenings at 15·50, 16·5, and 17·40.
458	" 13	22 7·0	—	0·75	0 55	Time approx.
459	" 17	10 31·0	—	0·5	0 3	" "
460	" 18	4 35·0	4 57·0	3·5	1 10	" "
461	" 21	17 40·0	—	0·25	—	Also slight thickenings from 17 h. to 18 h.

The Register from Shide, Isle of Wight, England—continued.

Shide No.	Date	Commencement		Maximum		Amplitude		Duration	Remarks
		H.	M.	H.	M.	Mm.	H. M.		
462	Jan. 22	2	34.9	—	—	0.25	0 25	—	—
463	" 25	19	10.0	—	—	0.25	0 25	—	—
464	" 30	6	29.5	—	—	0.25	0 25	—	—
465	Feb. 7	14	30.1	—	—	0.25	0 5	—	—
466	" 14	17	29.0	—	—	0.5	0 10	—	Time approx.
467	" 14	23	47	—	—	0.5	0 7	—	" "
468	" 15	8	29.1	—	—	0.5	1 0	—	A continuation of 467.
469	" 27	1	0.0	—	—	0.25	0 10	—	Time approx.
470	Mar. 3	8	26.2	—	—	0.5	0 10	—	Com. late.
471	" 4	16	45.6	—	—	0.25	1 0	—	—
472	" 5	11	3.5	11	34.2	1.25	1 40	—	—
473	" 11	21	23.3	—	—	0.25	0 26	—	—
474	" 16	12	14.1	12	36.0	2.5	1 40	—	Com. uncertain.
475	" 19	0	2.8	0	43.0	0.5	1 5	—	—
476	" 23	14	41.7	—	—	0.5	1 5	—	—
477	" 25	11	48.8	—	—	0.25	0 8?	—	—
478	" 28	18	28.2	—	—	0.5	0 10	—	—
479	" 31	7	13.8	7	25.0	2.0	1 0	—	—
480	April 2	16	59.5	—	—	0.25	0 10	—	—
481	" 3	16	3.3	—	—	0.25	0 7	—	Duration may be 18 m.
482	" 4	8	5.0	—	—	0.25	—	—	About this time and at 8.48 and 9.2.
483	" 5	23	21.0	0	34.3	8.5	3 25	—	A possible com. at 23 h. 5.6 m.
484	" 6	12	34.3	—	—	—	—	—	The first and last of a series of slight thickenings.
485	" 6	14	9.6	—	—	—	—	—	
486	" 6	20	17.9	20	56.8	1.5	1 55	—	The first and last of a series of slight thickenings.
487	" 7	23	41.4	—	—	0.5	—	—	
488	" 8	1	30.1	—	—	0.5	—	—	
489	" 9	22	15.6	—	—	0.5	0 30	—	Insect effect?
490	" 12	18	24.9	—	—	—	—	—	
491	" ?	x	44.8	—	—	0.5	0 10	—	—
492	" 18	14	39.3	—	—	0.5	0 5	—	—
493	May 14	7	10.5	7	40	0.75	0 85	—	—
494	" 16	22	53.6	23	33	0.25	0 40	—	—
495	" 21	21	2.9	—	—	0.25	0 20	—	—
496	" 23	0	56.5	1	10	1.0	2 14	—	—
497	" 26	8	4.2	—	—	0.6	0 71	—	Y.P. (E.W.) com. at 7 h. 49.5 m.
498	" 27	16	50.5	—	—	0.5	0 40	—	—
499	" 28	20	17.6	—	—	0.5	0 40	—	Y.P. (N.S.) com. at 20 h. 9.5 m.
500	June 7	1	7.1	—	—	0.25	0 4	—	—
501	" 13	1	16.1	—	—	0.5	0 5	—	—
502	" 13	—	—	4	6.6	0.1	—	—	A max. amongst tremors.
503	" 14	5	7.9	—	—	0.25	0 3	—	—
504	" 15	0	13.8	—	—	0.25	0 15	—	—
505	" 24	7	25.6?	8	3.5	12.0	2 42	—	Com. lost.

Register from the National Physical Laboratory (Kew Observatory), Richmond, Surrey. Director, R. T. GLAZEBROOK, F.R.S. Superintendent of Observatory Department, CHARLES CHREE, Sc.D., F.R.S. Assistant, E. G. CONSTABLE.

Register No.	Date	Commencement of P.T.s	Duration of P.T.s	1st Max.	2nd Max.	Amplitude		Total Duration
						Milli-metres	Secs. of Arc	
1901.								
267	Jan. 7	H. M. 0 38.3	M. 42.2	H. M. 1 21.2	H. M. 1 52.0	MM. 1.0	" 0.7	H. M. 2 44
268	" 8	20 0.0	28.5	20 32.2	—	0.6	0.4	0 46
269	" 9	{ 14 26.0 15 56.7 17 7.2	—	—	—	—	—	{ 0 4 0 4 0 4
270	" 13	23 2.3	13.7	23 16.0	—	0.5	0.4	0 50
271	" 18	4 56.8	22.8	5 21.5	5 23.8	3.1	2.3	1 23
272	" 20	14 31.0	—	—	—	—	—	0 5
273	" 22	2 35.5	—	—	—	—	—	0 24
274	" 24	18 55.5	—	—	—	—	—	? 1 4
275	" 30	7 11.0	—	—	—	—	—	0 8
276	Feb. 1	10 29.6	—	—	—	—	—	0 7
277	" 15	8 43.0	—	—	—	—	—	0 27
278	" 20	10 51.5	—	—	—	—	—	0 37
279	" 26	19 10.5	—	—	—	0.5	0.4	3 8
280	" 27	19 34.0	—	—	—	—	—	0 56
281	Mar. 2	12 0.6	—	—	—	—	—	0 15
282	" 3	8 17.5	7.8	8 22.0	—	0.5	0.4	0 25
283	" 3	{ 17 31.7 19 6.5	—	—	—	—	—	{ 0 5 0 5
284	" 5	? 11 1.5	28.7	11 31.8	11 36.5	1.0	0.8	1 44
285	" 16	12 12.2	18.6	12 36.3	—	2.0	1.7	1 35
286	" 19	0 11.6	—	0 40.8	—	0.4	0.3	1 0
287	" 23	14 55.6	—	—	—	0.5	0.4	0 35
288	" 25	11 47.4	29.2	12 19.0	—	1.0	0.8	0 44
289	" 31	7 14.7	9.1	7 27.3	7 32.8	3.0	2.4	0 49
290	Apr. 5-6	23 13.4	67.6	0 32.8	0 39.6	4.8	3.8	3 30
291	" 6	21 16.9	25.8	21 53.7	21 59.5	0.8	0.6	1 22
292	" 7	23 42.2	—	—	—	0.4	0.3	0 19
293	" 9	22 20.0	—	—	—	—	—	0 8
294	" 26	19 33.0	—	—	—	—	—	2 21
295	" 30	8 4.5	—	—	—	—	—	0 6
296	May 14	7 10.4	26.0	7 47.2	7 57.7	0.5	0.4	1 13
297	" 16	22 4.0	—	—	—	—	—	0 10
298	" 21	21 5.0	—	—	—	—	—	0 12
299	" 25	1 5.2	53.2	2 14.0	—	1.0	0.8	2 6
300	" 26	8 4.5	—	8 37.4	—	0.4	0.3	1 3
301	" 27	16 54.3	—	17 7.0	—	0.5	0.4	0 35
302	June 17	14 54.0	16.2	15 26.2	15 47.0	1.0	0.8	1 30
303	" 24	7 13.8	40.8	8 4.6	8 11.2	8.4	6.7	2 12
304	" 24	14 29.3	—	14 39.6	—	0.6	0.5	0 25

Notes on Seismograph Observations at Kew Observatory, January to July 1901.

Register No.	Notes
267	Although of long duration the amplitude of the swings was not large. A rather long interval between the first and second maximum phases, the swings being more pronounced at the second phase.

Register from the Liverpool Observatory, Bidston, England—continued.

No.	Date	First Disturbance		Maximum Effect		Duration		Amplitude	Remarks
		H.	M.	H.	M.	H.	M.		
46	May 27	17	7.3	17	18.0	0	18	0.75 0.3	Much troubled by air tremors.
47	" 28	20	15.0	20	22.0	0	9	Small	" "
48	" 29	9	32.2	9	38.0	0	18	"	" "
49	" "	16	34	—	—	0	17	"	" "
50	June 7	0	54.1	0	58	0	9	0.5 0.2	Possibly insect.
51	" 8	2	35	—	—	0	5	Very small	"
	" 13	—	—	Possibly A. T.		—	—	"	"
52	" 14	14	55	15	8	0	52	"	Doubtful.
53	" 17	11	44	—	—	0	7	"	Instrument insensitive.
54	" 19	15	57	16	21	0	34	Small	Possibly A.T. Much and long disturbance about this time.
	" "	—	—	20	30	—	—	—	" "
55	" 23	—	—	13	30	—	—	—	" "
56	" 23	19	2	19	6	0	12	—	" "
57	" 23	21	33.0	21	57.4	0	41	20.5	" "
58	" 24	7	18.9	7	58.0	2	17	7.0 2.2	Good trace.
59	" 24	14	19.7	14	38.5	0	33	0.5 0.2	Feeble.

Register from the Royal Observatory, Edinburgh, Scotland.
Director, R. COPELAND. Observer, THOMAS HEATH.

[Until January 24 the north-south component of motion was recorded. The records subsequent to this date refer to east-west motion.]

No.	Date	Commencement	Maximum	Amplitude	Duration	Remarks		
1900.								
1	Dec. 20	H. M.	H. M.	MM. "	R. M.	Numerous thickenings.		
		22	30	—	Small		2 to 4 hrs.	
2	" 22	5	0	—	—	A slight thickening.		
3	" 23	17	45	—	—	Several slight thickenings.		
4	" 24	—	—	—	—	—		
5	" 25	5	15.7	5	55.7	2.00=0.89	1 33	A number of thickenings.
	" 30-31	—	—	—	—	—	—	—
1901.								
6	Jan. 18	4	57.2	5	15.5	2.9=1.29	0 40	—
7	" 25-28	—	—	—	—	—	—	A.T.s.
8	" 30	5	44	—	—	—	—	—
9	" 30	6	39	—	—	Small	0 55	—
10	Feb. 7	14	29	—	—	0.25=0.11	0 1	—
11	" 7	14	54	—	—	0.25=0.11	0 2	—
12	" 11	3	29.5	—	—	0.2=0.09	0 4	—
13	" 14	—	—	17	38.5	0.5=0.22	0 2.5	—
14	" 15	8	38.0	8	48.1	0.5=0.22	0 50	—
15	" 20	10	59.5	—	—	Small	0 34.5	—

Register from the Royal Observatory, Edinburgh, Scotland—continued.

No.	Date	Commencement		Maximum		Amplitude		Duration		Remarks
		H.	M.	H.	M.	MM. "	H.	M.		
16	Feb. 26	5	0	—	—	—	—	—	—	Slight thickenings.
17	" 26	5	47	—	—	—	—	—	—	
18	March 1	10	6	—	—	—	—	—	—	
19	" 1	18	0	—	—	—	—	—	—	Numerous A.T.s to 3rd.
20	" 3	8	6.0	8	26.6	1.0=0.44	—	—	—	0 50
		—	—	8	28.5	0.75=0.33	—	—	—	
21	" 4	17	34.0	—	—	Small	0 3	—	—	
22	" 5	9	57.5	—	—	"	0 4	—	—	
23	" 5	11	7.0	11	36.0	1.75=0.77	1 46	—	—	
24	" 5-7	—	—	—	—	—	—	—	—	Few A.T.s.
25	" 11	21	39.0	21	49.5	1.00=0.44	—	—	—	0 18.5
		—	—	21	53.0	0.90=0.40	—	—	—	
26	" 16	12	14.0	12	39.0	1.75=0.77	—	—	—	1 43
		—	—	12	46.5	1.45=0.64	—	—	—	
27	" 16	—	—	12	51.0	1.0=0.44	—	—	—	0 49
		0	12	—	—	0.5=0.22	—	—	—	
28	" 23	14	52	14	54	0.5=0.2	—	—	—	0 56
		—	—	15	5	0.4=0.18	—	—	—	
29	" 28	18	30	—	—	Small	0 10	—	—	0 29
		7	19.5	7	20.5	1.3=0.58	—	—	—	
30	" 31	—	—	7	26.0	1.5=0.67	—	—	—	4.0=1.77
		—	—	7	28.5	—	—	—	—	
31	April 2	4	48	—	—	—	—	—	—	A.T.s.
32	" 2	17	8	—	—	—	—	—	—	"
		4	0	—	—	—	—	—	—	
33	" 4	11	0	—	—	—	—	—	—	"
		23	18	—	—	—	—	—	—	
34	" 5	23	18	0	32.7	5.0=2.22	3 43	—	—	
	" 6	21	40	—	—	—	1 17	—	—	Light bad. Maximum indistinct.
35	" 7	23	49.0	—	—	Very small	—	—	—	—
36	" 9	22	10	—	—	0.25=0.11	0 3	—	—	—
37	" 9	22	19	—	—	0.25=0.11	0 3	—	—	—
38	" 18	3	57.5	—	—	Very small	0 18	—	—	—
39	" 27	4	37.0	4	42.0	0.5=0.22	0 20	—	—	—
40	May 14	7	11	7	36.0	0.8=0.40	1 14	—	—	—
41	" 18	14	34.5	—	—	0.25=0.12	0 4.5	—	—	Slight thickenings.
42	" 21	21	4.5	21	6.0	0.3=0.15	0 10.5	—	—	—
43	" 25	1	57.5	2.0=1.00	—	—	—	—	—	2 1.0
		2	26.5	1.25=0.62	—	—	—	—	—	
44	" 26	8	5	8	33.0	0.5=0.25	0 53	—	—	—
45	" 27	17	1	—	—	0.25=0.12	0 8	—	—	Thickenings.
46	June 13	4	0	4	15.5	0.5=0.36	0 58	—	—	—
47	" 24	7	18	8	13.5	3.75=2.67	2 44.0	—	—	—
48	" 24	14	30	14	50.5	0.4=0.28	0 32.5	—	—	—

Abstracts relating to the Milne Pendulum from Registers published at the Strassburg University, K. Hauptstation für Erdbebenforschung. Director, Professor Dr. GERLAND.

Date	Commencement	Maximum	Duration	Amplitude
1901.				
	H. M.	H. M.	H. M.	MM.
Jan. 7	0 54.6	0 55.0 1 0.0 1 20.0 1 25		
" 13	23 3.3	23 28.0 23 36.0		
" 17	11 10.1			
" 18	4 58.6	5 26.3 5 28.3 5 30.0 5 36.0	1 12	
" 22	2 40.0			
Feb. 14	18 30.0?			
" 14	23 42.0?			
" 15	8 41.3	8 50.0	0 32	1.2
Mar. 5		11 38.0		
" 16	12 12.2	12 35.0		
" 19-20	18 4.1	0 38.7		
" 23	14 56.5			
" 31	7 10.0	7 21.3		13
April 2	17 0.5	17 1.3	0 3	
" 3	16 0.7	16 2.0	0 5	
" 5	23 20.0	23 26.0		
" 5-6	23 53.0	0 26.0	2 7 ca.	10
" 6	21 39.0	21 43.5 21 56.0 22 23.5	0 51	3.5
" 9	12 17.5			
" 27	4 33.8	4 40.5	0 17	1.2
May 13	8 13.0			
" 14	7 35.0			
" 15	22 27.0			
" 25	2 0.0 ca.			
" 28	20 9.0 ca.			

From January to April inclusive a three component Rebeur-Ehler pendulum in Strassburg recorded 59 earthquakes. Only 19 of these which are the first nineteen in the preceding register were noted by a Milne pendulum in the same building, whilst 30 out of the 59 were recorded by similar instruments in England. From this it may be inferred that 50 per cent. of the Strassburg records are common to Great Britain.

The Register from Toronto, Canada. Director, Professor R. F. STUPART.

No.	Date	Commencement of P.T.s	Beginning of Large Waves.	Maximum	Ending	Amp.	Remarks
1901.							
290	Jan. 4	I. M. S. 17 24 0	H. M. S. —	H. M. S. 17 26 0	H. M. S. Uncertain	MM. 0.6	Small, well marked, lasting a short time.
291	" 7	0 46 0	0 49 0	0 54 3	3 about	1.5	Small, continuous, well defined.
292	" 10	19 41 1	—	—	—	—	Very slight hitch.
293	" 11	17 26 2	—	17 27 0	17 32 5 about	0.8	Sudden, marked displacement.
294	" 18	4 47 3	4 50 0	4 53 7	5 45 abt.	5.5	Medium, succession of oscillations.
295	" 20	0 49 0	—	—	—	—	Small, occasional thickenings.
296	" 21	5 39 9	—	—	5 57 5 about	—	Mere thickening.
297	" 22	2 27 6	—	2 36 9	2 38 9	0.5	Small, steady and uniform thickening previous to larger vibrations.
298	Feb. 5	14 5 6	—	—	—	—	Minute jog.
299	" 5	15 16 7	—	—	—	0.1	Small jog.
300	" 7	14 21 5	—	—	—	—	Mere thickening.
301	" 11	21 51 7	—	—	—	—	Minute hitch.
302	" 12	14 27 6	—	—	—	—	Thickening.
303	" 12	14 40 8	—	—	—	—	Barely noticeable.
304	" 15	9 5 1	—	—	9 25 7 about	0.1	Minute and extended vibrations.
305	" 20	10 18 8	—	—	11 5 3 about	0.15	Marked thickening.
306	Mar. 3	7 58 2	8 1 3	8 6 4	8 36 7	0.6	Medium.
307	" 5	10 53 3	11 11 5	11 16 6	13 2 2	1.8	Moderate and extended.
308	" 6	19 40 4	—	—	—	—	Minute hitch.
309	" 16	12 19 8	—	13 8 8	14 13 7	0.3	Number of small mark'd oscillations.
310	" 19	No P.T.s	0 12 1	0 12 6	1 13 8	0.4	Small, extended.
311	" 23	14 30 0	—	15 3 9	Uncertain	0.2	Small, extended. Air currents about.

Toronto Register—continued.

No.	Date	Commence- ment of P.T.s	Begin- ning of Large Waves	Maxi- mum	Ending	Amp.	Remarks
312	Mar 31	H. M. S. 7 51 9	H. M. S. —	H. M. S. 7 57 0	H. M. S. 8 14 abt.	MM. 0.1	Small number well marked.
313	Apr. 5	23 53 2	24 21 0	24 31 0	2 33 1	1.3	Medium and prolonged. P.T.s long time before large waves
314	" 6	21 29 0	—	21 49 9	23 3 2	0.3	Small, ex- about tended.
315	" 9	22 15 8	—	—	—	0.05	Mere thickening.
316	" 10	22 8 5	—	—	—	0.05	Small hitch.
317	" 11	17 39 3	—	—	—	0.1	Mark'd thickening.
318	" 22	22 10 7	—	22 11 8	22 29 0	0.4	Small, decided.
319	" 27	17 42 3	—	—	—	0.05	Very slight hitch.
320	" 29	7 43 8	—	7 45 9	7 52 0	0.4	Small, sudden and marked.
321	May 8	21 32 2	—	—	—	0.1	Slight hitch.
322	" 14	7 33 7	—	7 41 0	Uncertain	0.1	Marked thickening.
323	" 18	14 14 0	—	—	15 4 0	0.1	Small vibrations extended.
324	" 21	1 55 2	—	—	Uncertain	0.05	Minute thickenings.
325	" 25	0 51 5	Gradual increase	1 48 4	3 5 0	1.4	Medium.
326	" 26	7 59 1	8 7 3	8 11 2	9 10 abt.	0.5	Medium, extended.
327	" 27	16 31 6	16 35 5	16 36 0	17 33 abt.	0.9	Medium, extended.
328	June 10	13 32 4	—	—	13 35 0	0.05	Mere thickenings.
329	" 24	7 28 9	8 3 9	8 10 5	9 42 abt.	1.1	Small, prolonged.

The Register from Victoria, B.C., Canada. E. BAYNES REID, Superintendent.

No.	Date	Commence- ment of P.T.s	Begin- ning of Large Waves	Maxi- mum	Ending	Amp.	Remarks
1901.							
257	Jan. 4	H. M. S. 17 20 9	H. M. S. —	H. M. S. 17 23 0	H. M. S. 17 30 abt.	MM. 0.6	Small and well defined.
258	" 7	0 40 0	1 00 0	1 8 1	3 55 0	3.0	Medium and prolonged.
259	" 9	15 32 6	—	—	15 42 abt.	0.2	Slight thickening.

The Register from Victoria, B.C., Canada.—continued.

No.	Date	Commence- ment of P.T.s	Begin- ning of Large Waves	Maximum	Ending	Amp.	Remarks
260	Jan. 18	H. M. S. No P.T.s	H. M. S. 4 40 0	H. M. S. 4 50 0	H. M. S. 5 24 7	MM. 9.5	Large rapid vibration at beginning.
261	" 20	0 27 8	—	0 38 6	0 53 3	1.6	Medium movement.
262	" 21	5 19 5	—	5 27 9	5 51 1	1.0	Small. Number of marked vibrations.
263	" 22	2 31 4	—	—	2 49 0	0.05	Minute vibrations at first, ending noticeable thickening.
264	" 30	6 49 5	—	—	7 00 abt.	0.1	Marked thickening.
265	Feb. 5	13 53 0	—	—	13 59 0	0.2	Decided thickening.
266	" 7	14 25 6	—	—	—	0.05	Very minute jog.
267	" 11	21 14 0	—	—	21 22 5	0.1	Thickening.
268	" 12	Nothing	—	—	—	—	—
269	" 13	3 35 5	—	—	3 39 5	0.1	Very small but decided.
270	" 14	5 19 8	—	5 25 0	5 33 5 about	0.5	Small. Gradual increase and decrease.
271	" 15	8 51 0	8 54 8	9 1 0	9 9 0 about	0.4	Small and well marked.
272	" 20	10 18 2	10 20 2	10 30 8	10 51 2	4.6	Large.
273	Mar. 3	No P.T.s	7 48 6	7 52 5	8 59 0	8.0	Large, short duration.
274	" 5	10 47 7	10 53 0	10 58 8	12 39 8	2.6	Moderate and extended.
275	" 7	1 52 2	—	—	—	0.05	Minute hitch.
276	" 9	Minute vibrations began	0.55 and	continued	up to	1.30.	Small.
277	" 9	23 56 5	—	23 57 3	24 1 0	0.2	Small.
277	" 16	13 2 0	13 19 8	13 21 8	14 18 abt.	1.1	Medium and rather prolonged.
278	" 19	0 6 0	—	—	0 33 0 about	0.2	Number of small vibrations.
279	" 19	23 32 0	—	23 40 5	23 50 5	0.7	Medium. Gradual commencement.
280	" 23	14 26 0	14 36 0	14 40 5	15 23 0	1.0	Medium. P.T.s preceded large waves quite a time.
281	" 31	7 54 7	—	8 1 0	8 39 0	0.3	Small, well marked.

The Register from Victoria, B. C., Canada.—continued.

No.	Date	Commencement of P.T.s			Beginning of Large Waves			Maximum			Ending			Amp.	Remarks
		H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.		
282	Apr. 5	23	38	4	24	4	0	24	14	0	3	25	6	2.9	Large and important, lasting some time.
283	" 6	21	10	7	—	—	—	21	42	0	23	0	0	1.0	Small and prolonged vibrations. Marked disturbances.
284	" 9	22	0	0	—	—	—	—	—	—	22	3	0	0.05	Small vibrations.
285	" 10	22	5	5	—	—	—	—	—	—	—	—	—	0.05	A small hitch.
286	" 12	12	45	0	—	—	—	—	—	—	12	49	0	0.1	Slight thickening.
287	" 22	22	26	0	—	—	—	—	—	—	22	30	0	0.1	Marked thickening.
288	" 27	17	51	9	—	—	—	—	—	—	—	—	—	0.1	Slight jog.
289	" 29	7	37	0	—	—	—	7	40	0	7	43	6	0.2	Number of small vibrations.
290	May 11	20	12	2	—	—	—	—	—	—	—	—	—	0.05	Slight thickening.
291	" 14	7	6	2	7	23	0	7	28	0	8	31	0	0.5	Small, prolonged.
292	" 18	13	57	1	—	—	—	—	—	—	14	32	0	0.2	Small vibrations.
293	" 21	1	28	5	—	—	—	1	33	0	1	38	0	0.2	Marked thickening. Gradual beginning and ending.
294	" 22	17	45	3	—	—	—	18	02	2	Uncertain	—	—	0.5	Small. Gradual beginning and ending.
295	" 22	20	19	1	None	—	—	—	—	—	—	—	—	0.1	Minute hitch.
296	" 25	0	45	4	1	8	4	1	13	7	3	23	6	1.9	Medium prolonged and marked.
297	" 26	8	1	5	8	29	4	8	30	1	about 9	21	1	0.9	Small, well defined.
298	" 27	16	27	8	16	34	9	16	36	8	17	12	0	1.1	Small, well defined.
299	June 9	19	46	8	—	—	—	19	49	4	20	0	0	0.2	Marked thickening.
300	" 10	13	4	2	—	—	—	13	8	0	13	34	0	0.3	Marked thickening.
301	" 13	3	38	0	—	—	—	3	52	0	Uncertain	—	—	0.4	Small.
302	" 24	7	15	0	7	24	9	7	56	5	8	51	5	1.3	Medium and prolonged.

Register from San Fernando, Spain.
Instituto y Observatorio de Marina. Director, Commodore J. VINIEGRA.

No.	Date	Commencement	Maxima	Amplitude	Duration	Remarks
1901.						
90	Jan. 7	H. M. 0 42 0	H. M. 1 50 0	" 1 7	H. M. 2 47 5	—
91	" 18	4 56 5	5 28 0	1 5	1 4 0	—
92	Feb. 16	2 24 8	—	—	—	From commencement to 10h continued and very small movement.
93	Mar. 5	11 1 8	11 45 8	0 64	1 24 0	—
94	" 16	12 11 8	12 29 3	1 9	1 24 5	—
95	" 23	15 8 3	—	—	0 25 0	Very small.
96	Apr. 2	17 6 6	—	—	0 7 0	Very small.
97	" 3	15 47 1	15 54 7	—	0 26 2	Very small.
98	" 5 to 6	23 27 0	24 32 8	2 15	3 12 0	—
99	" 6	21 21 0	21 52 6	0 9	1 32 5	—
100	June 13	4 15 4	4 24 9	—	0 34 0	Very small.
101	" 24	7 24 3	8 5 0	1 9	1 53 7	—
102	" 24	14 35 0	14 50 1	—	0 37 0	Very small.

Register from Abbassia Observatory, Cairo. Director-General,
Captain H. G. LYONS, R.E.; Superintendent, E. B. H. WADE, M.A.

No.	Date	Commencement	Duration of P.T.	Maximum	Amplitude	Total Duration	Remarks
1901.							
59	Jan. 4	H. M. 12 44 5	M. 2 5	H. M. 12 47	" 0 3	M. 10	Doubtful.
60	" 5	—	—	19 34	—	20	Tremor badly shown.
61	" 7	00 55	4 0	1 41	—	140	—
	" 7	—	—	1 48	1 5	—	—
	" 7	—	—	1 54 5	—	—	—
	" 7	—	—	2 00 5	—	—	—
62	" 7	20 19 5	—	20 25	0 3	7	—
63	" 9	17 20	?	17 54	—	90	—
	" 9	—	—	18 03	0 3	—	—
	" 9	—	—	18 11	—	—	—
	" 9	—	—	18 20 5	—	—	—
	" 9	—	—	18 42 5	—	—	—
64	Feb. 11	15 47	11 0	16 00	—	29	Clear tremor.
	" 11	—	—	16 03 5	0 3	—	—
65	" 17	20 25	2 5	20 27 5	—	65	—
				20 49	—	—	—
				20 52 5	—	—	—
				21 08	0 3	—	Clear tremor.
				21 12 5	—	—	—
				21 19	—	—	—
				21 29	—	—	—
66	Mar. 8	19 28	?	19 42	0 2	—	Doubtful ? 2h.
67	" 19	00 14	1 0	00 15	0 2	9	—
68	Apr. 5	23 30	23 0	00 28	—	160	—
				00 32	—	—	—
				00 40 5	2 0	—	—
69	June 7	1 50	1 5	1 52	0 3	6	—
70	" 7	3 50	2 5	3 53	0 3	7	—
71	" 15	0 0 45	2 0	0 08	0 4	12	Very clearly marked.

Register from the Royal Observatory, Cape of Good Hope.
Director, Sir DAVID GILL, K.C.B., F.R.S.

No.	Date	Commencement	D. 1st P.T.s	Maxima	Semi-amplitude	Duration	Remarks			
1901.										
99	Jan. 8	H. M. —	M. —	H. M. 20 25.3 30.7	"	H. M. 0 15	Two very slight thickenings of trace.			
100	Feb. 13	—	—	19 13.4	0.10	0 5	—			
101	" 15	8 53.3	—	{ 8 55.5 8 59.0	—	0 30	—			
102	" 16	—	—	8 43.0	—	—	Very slight.			
103	" 20	10 10.5	29.0	{ 10 46.9 11 42.9	0.11 0.09	2 0	The principal part of the disturbance consists of two thickenings of trace each of about 7 mins. duration with maxima at the times quoted.			
104	March 5	11 27.7	—	12 17.8	0.16	1 10	—			
105	" 16	11 59.1	8.3	{ 12 10.5 12.9	0.8	0 40	—			
106	" 23	15 20.5	—	15 38.1	—	0 37	Very slight tremors. ? Air currents.			
107	" 31	7 49.6	5.1	7 57.7	0.13	0 34	—			
108	April 5-6	23 53.1	57.0	{ 0 52.5 0 55.1 0 57.6 0 59.2 1 2.2 1 7.2	{ 0.58 0.56 0.43 0.45 0.53 0.66	3 27	—			
				{ 22 22.8 22 26.0	{ 0.10 0.11			1 23		
				8 26	—				0 18	Slight tremors.
				{ 1 30.6 1 31.1	{ 0.24 0.20				2 7	—
				8 24.5 8 27.9	—				0 55	Very slight.
1 18.9	—	0 28	Very slight.							
111	" 25	0 59.6	29.5	{ 1 31.1 1 31.1	0.20	2 7	—			
112	" 26	8 12.1	—	8 24.5 8 27.9	—	0 55	Very slight.			
113	June 2	1 18.9	—	1 23.0	—	0 28	Very slight.			
114	" 13	4 46.6	—	4 51.1	—	0 32	—			
115	" 17	7 24.9	—	—	—	—	Record broken.			

Register from Alipore Observatory, Calcutta.
G. W. KÜCHLER, Assistant Meteorological Reporter.

No.	Date	Commencement G.M.T.	Duration First P.T.	Maxima	Amplitude	Duration	Remarks
1901.							
70	Jan. 8	H. M. S. 19 35 4	H. M. S. 0 17 49	H. M. S. 19 56 14	MM. 2.0	H. M. S. 0 46 7	—
Seismograph was under repair from Jan. 29 to Feb. 26, 1901.							
71	Mar. 16	12 10 53	0 11 3	12 28 7	1.25	0 57 57	Doubtful.
72	" 23	14 47 44	0 1 2	14 49 48	2.0	0 28 17	—
73	May 7	10 25 15	0 4 37	10 41 16	0.5	0 25 0	—
74	" 12	14 45 0	0 14 25	15 32 51	1.0	3 30 51	Doubtful.
75	" 18	15 59 32	1 10 17	17 18 49	2.25	7 36 36	—
76	" 19	0 17 48	—	—	—	—	Thickening of the line.
77	" 20	12 36 11	—	—	—	—	—
78	" 20	23 26 54	—	—	—	—	—
79	" 21	20 45 0	0 5 24	20 52 27	1.0	0 13 7	—
80	" 29	1 57 36	—	—	—	1 27 15	Doubtful.
81	" 31	8 9 57	0 15 56	8 31 33	1.25	1 23 8	—
82	June 24	7 12 5	0 5 24	7 32 8	16.0	1 16 12	—
83	" 24	12 49 58	0 17 14	14 7 58	1.5	2 17 29	—
84	" 25	15 3 61	—	—	—	1 7 43	Thickening of the line.
85	" 26	15 25 57	—	—	—	—	—
86	" 26	19 14 23	—	—	—	—	—

Register from Colaba, Bombay. Director, N. A. F. Moos.

Observatory Number	Date	Time of Disturbance in G.M.T.			Amplitude in mm. and in Arc of Maximum Movement	Remarks
		Beginning	Maximum	End		
1901.						
10	Jan. 7	H. M. S. 1 52 40	H. M. S. 2 3 1	H. M. S. 3 45 10	MM. 2.0 = 1.46	—
74	Feb. 15	8 3 14	8 18 59	8 51 14	1.0 = 0.76	—
191	April 5-6	23 42 7	0 14 39	1 42 5	9.8 = 7.45	—
195	" 6	21 2 19	21 36 34	22 6 48	0.9 = 0.68	—
244	" 27	4 7 22	4 10 11	4 25 1	3.6 = 2.74	—
260	May 7	10 28 20	10 30 22	11 17 48	0.8 = 0.61	—
304	" 25	0 52 7	1 27 36	2 21 31	1.0 = 0.76	—
341	June 13	4 1 33	—	4 27 47	—	—
358	" 24	7 11 41	7 40 36	8 51 22	2.1 = 1.60	—

Register from the Kodakūnal Observatory, Madras.
Director, C. MICHIE SMITH.

No.	Date	Begins G.M.T.	Maxima G.M.T.	Amplitude		Duration	Remarks
				Mm.	"		
1901.							
2	Jan. 7	H. M. 1 0.2	H. M. 1 57.7	MM. 0.5	" 0.3	1 24	P.T.s 45m.
			2 0.2	0.75	0.4		
3	" 8	19 51.0	20 6.3	0.5	0.3	0 29	
			5.9	1.0	0.5		
16	Feb. 15	8 0.0	8 10.4	0.5	0.3	0 43	P.T.s 11m.
			24.8	0.7	0.5		
			36.6	0.5	0.3	0 30	
			48.0	0.5	0.3		
26	Mar. 4	16 35.5	16 44.9	0.5	0.3	0 57	P.T.s 24m.
			51.1	0.25	0.2		
29	" 15	3 5.9	3 31.3	0.75	0.5	0 57	P.T.s 24m.
31	" 16	12 8.5	12 19.3	1	0.6		
			21.4	0.75	0.5	1 4	P.T.s 3.5m. Felt in Zanzibar.
			34.9	0.75	0.5		
32	" 19	0 10.8	0 12.3	1.25	0.8	0 47	
33	" 23	15 1.8	15 2.8	0.5	0.3		
34	" 23	15 1.8	15 2.8	0.5	0.3	0 12	P.T.s 4m.
35	" 25	11 26.6	11 31.8	0.5	0.3		
36	" 25	22 58.7	22 59.7	1.0	0.6	0 82	
			23 1.8	0.75	0.4		
			23 8.9	0.75	0.4	1 50	P.T.s 30m.
			23 51.0	1	0.6		
38	Apr. 5	23 40.7	0 14.7	4	2.5	1 50	
	" 6		16.3	4.5	2.8		
			21.6	3	1.9	0 52	Well marked, though small.
			27.3	2	1.3		
			31.4	0.5	0.9	0 52	
			21 17.3	0.5	0.3		
39	" 6	21 16.3	21 17.3	0.5	0.3	2 0	
			4 4.3	0.5	0.3		
40	" 7	3 31.0	19.7	1.0	0.7	2 0	Widening of line.
			29.5	0.5	0.3		
			5 7.3	1.0	0.7	0 4	Widening of line.
			—	—	—		
42	" 11	11 58.3	—	—	—	0 4	Widening of line.
43	" 15	17 40.2	17 44.3	1	0.6		
44	" 16	17 18.7	—	—	—	0 37	P.T.s 16 m.
45	" 18	3 18.7	3 35.3	0.75	0.4		
			39.4	1.0	0.5	0 37	
			45.6	0.5	0.3		
46	" 19	11 14.2	11 14.2	0.5	0.3	1 20	
			44.1	1.5	0.8		
			12 31.7	0.5	0.3	0 33	P.T.s 3m.
			4 9.4	3.0	1.1		
50	" 27	4 7.4	11 38.5	1.5	0.7	1 0	
51	" 29	11 38.5	42.0	0.5	0.2		
			44.5	1.0	0.5	0 3	
			—	—	—		
53	May 7	10 21.1	10 23.2	2.0	1.0	0 20	
54	" 21	11 15.1	11 15.6	0.5	0.2		
55	" 25	0 53.3	1 25.0	0.5	0.2	2 8	P.T.s 30.6m.
			32.1	0.5	0.2		
			46.4	1.0	0.4	0 12	Slight.
			9 26.0	—	—		
56	June 12	9 25.7	7 22.6	0.7	0.4	1 35	P.T.s 10m.
57	" 24	7 11.8	42.8	1.2	0.8		

Register from Batavia, R. Magn. and Met. Observatory.
Director, Dr. S. FIGER.

No.	Date	Commence- ment	Durat. P.T.	Times of Maxima	Ampli- tude	Dura- tion	Remarks	
								1901.
279	Jan. 4	H. M. 18 24.7	M. 3.3	H. M. 18 30.2	MM. 2.6	" 1.0	8	Small.
280	" 6	7 17.0	—	7 17.3	0.8	0.3	7	Very small.
				20.2	0.7	0.3	—	
281	" 7	0 51.2	12.6	1 18.2	1.1	0.4	145	Moderate.
				2 13.6	4.0	1.6		
				21.1	4.1	1.6		
				28.0	5.4	2.1		
282	" 8	19 32.2	—	19 49.2	3.1	1.2	55	Moderate.
283	" 13	22 52.2	7.8	23 2.0	1.1	0.4	50	Small.
284	" 18	15 43.5	—	15 53.7	1.1	0.4	20	Very small.
285	" 26	8 28.2	—	8 30.7	2.0	0.8	10	"
286	" 30	15 50.0	9.2	16 0.4	2.2	0.9	35	Small.
287	Feb. 1	21 48.3	—	21 55.2	0.8	0.3	20	Very small.
288	" 2	17 15.0	—	17 24.4	1.0	0.4	30	"
289	" 9	13 7.7	—	13 14.2	4.0	1.7	25	Moderate.
290	" 14	4 50.2	—	4 56.3	1.3	0.6	20	Small.
291	" 15	8 15.8	3.4	8 19.7	7.0	3.1	35	Moderate.
				21.3	8.0	3.4		
				25.3	3.0	1.3		
292	" 17	23 34.2	—	23 34.4	0.8	0.3	2	Very small.
293	" 19	3 25.9	—	3 28.2	2.3	0.9	10	Small.
294	" 20	9 51.4	4.2	10 5.7	1.5	0.6	40	"
295	Mar. 2	11 42.2	—	11 42.9	0.8	0.3	10	Very small.
296	" 2	16 21.6	—	16 24.4	1.0	0.4	11	"
297	" 4	16 17.2	5.2	16 24.3	7.0	2.9	40	Moderate.
298	" 5	11 7.1	—	11 42.7	0.8	0.3	80	Small.
299	" 16	12 14.1	10.5?	2 43.2	4.5	1.8	100	Moderate.
300	" 19	20 30.6	3.9	20 40.2	7.0	2.8	45	"
				42.9	5.5	2.2		
301	" 23	14 57.7	—	15 6.6	1.1	0.4	25	Small.
302	" 30	15 59.5	—	16 0.2	1.0	0.4	5	Very small.
303a	April 5	21 57.8	7.6	22 8.7	5.1	0.2	40	Moderate.
" b	" 5	23 18.7	—	23 19.7	0.6	0.3	3	Very small.
" c	" 5	23 41.3	8.8	24 14.8	14.0	5.6	140	Strong.
				20.7	14.0	5.6		
				28.7	8.6	3.4		
304	" 6	19 13.5	—	19 40.3	2.3	0.9	100	Moderate.
305	" 18	3 58.3	4.0	4 8.5	2.0	0.8	30	Small.
				9.5	2.4	1.0	—	
306	" 24	17 9.7	1.0	17 13.7	2.4	1.0	20	Small.
307	" 25	7 22.7	—	7 24.8	1.7	0.7	6	Small.
308	" 27	4 14.7	—	4 25.0	2.0	0.8	30	Small.
309	May 8	0 41.7	—	0 42.7	1.0	0.4	7	Very small.
310	" 25	0 34.7	—	1 11.1	5.0	2.5	120	Moderate.
311	" 28	4 56.7	—	3 57.2	1.0	0.5	7	Very small.
312	" 28	19 29.4	—	19 40.3	1.3	0.6	30	Small.
313	June 12	5 25.5	—	5 25.8	1.2	0.5	11	Very small.
314	" 24	6 11.9	—	6 42.8	5.0	2.8	130	Moderate.
315	" 24	13 53.6	—	13 16.9	1.0	0.6	40	Small.
316	" 25	23 41.3	—	23 41.9	0.7	0.4	3	Very small.

Register from the Botanical Department, St. Clair, Trinidad.
Director, J. H. HART.

No.	Date	Commence- ment	Duration	Amplitude Millimetres	Comments
1901					
11	Jan. 7	H. M. S. 0 32	H. M. S. 1 33	MM. —	—
12	" 22	2 7	0 28	3	—
13	March 1	—	—	—	Lamp out 4h. 36m. to 11h. 51m.
14	" 7	13 30	0 49	10	—
15	" 11	12 21	0 8	3	—
16	" 19	20 16	0 52	3	—
17	" 22	15 56	1 5	5	—
17	" 23	15 28	0 3	2½	—
17	" 25	—	—	—	Lamp out 12h. 3m. to 12h. 42m.
18	" 26	12 45	0 41	2	—
19	" 27	14 3	0 7	2	—
	April 21	—	—	—	Clock stopped 9h. 6m., 20th, to 13h. 17m., 21st.
20	" 24	13 1	0 7	2	—
21	May 9	12 23	0 3	2	Boom moved to east.
	" 12	—	—	—	Clock stopped 14h. 51m., 11th, to 13h. 15m., 12th.
	" 15	—	—	—	Clock stopped 11h. 4m. to 11h. 40m.
	" 18	—	—	—	Clock stopped 15h. 51m., 18th, to 11h. 21m., 19th.
22	" 20	13 56	0 22	9	—
	" 23	—	—	—	Clock stopped 17h. 28m., 23rd, to 11h. 56m., 24th.
	" 24	—	—	—	Clock stopped 15h. 48m., 24th, to 12h. 26m., 25th.
23	" 26	7 46	0 53	9½	—
	June 1	—	—	—	Clock stopped 11h. 41m. to 14h. 51m.
	" 8	—	—	—	Lamp out 10h. 36m. to 13h. 17m.
	" 9	—	—	—	Clock stopped 14h. 29m., 8th, to 13h. 41m., 9th.
	" 12	—	—	—	Lamp out 13h. 52m. to 21h. 18m.
	" 13	—	—	—	Clock stopped 20h. 52m., 13th, to 14h. 19m., 14th.
24	" 15	14 13	0 6	2½	—
	" 20	—	—	—	Lamp out 3h. 6m., 19th, to 13h. 9m., 20th.
25	" 21	18 45	0 9	1½	—
	" 22	—	—	—	Clock stopped 7h. 30m. to 13h. 50m.
26	" 22	14 2	0 10	2	—
27	" 22	16 11	0 3	1½	—
28	" 25	—	—	—	Clock stopped 14h. 21m. 25th, to 13h. 48m., 26th.

The clock has now been repaired.

Register from the Johns Hopkins University, Baltimore, Md., U.S.A.
Professor H. F. REID.

No.	Date	Commence- ment of P.T.s	Begin- ning of Large Waves	Maxi- mum	Ending	Amp.	Period of Pendulum
1901.							
1	Apr. 5	H. M. S. 23 22	H. M. S. 24 22	H. M. S. 24 24½	H. M. S. 26 37	MM. 2.8	M. S. 16 4
2	" 6	21 14	21 45	21 47½	22 55+	1.2	"
Not recording April 10—April 22. April 24—May 16.							
5	May 18	14 14 6	—	—	14 58±	small	"
8	" 25	0 49 5	1 20	1 37 5	3 30	1.7	"
9	" 26	7 58	—	8 21 7	9 0	1	"
10	" 27	16 31 8	16 35 7	16 36 3	17 17 6	1.1	"
15	June 13	3 39	4 02 3	4 04 8	5 17	0.3	"

Register from the Royal Alfred Observatory, Mauritius.
Director, T. F. CLAXTON, F.R.A.S.

No.	Date	Beginning of Dist.	Duration of P.T.s	Times of Maxima	½ Amp.	End of Dist.	Remarks
1901.							
89	Jan. 7	H. M. S. 0 52.2	H. M. S. 47.8	H. M. S. 1 43.3 1 45.3 1 46.6 1 49.3	" 0.45 0.88 1.28 0.71	H. M. S. 3 18.8	—
90	" 8	0 32.9	—	1 35.4 2 10.5	—	2 43.0	Small wave- like move- ments, pro- bably due to tempera- ture.
91	" 8	20 1.9	—	20 7.9	0.07	20 18.4	—
92	" 18	15 53.8	5.8	16 0.5	0.02	16 6.5	—
93	" 20	0 13.1	—	0 39.9 0 42.1	0.10	0 43.3	Second max. is echo of first and is very small.
94	" 21	7 13.4	2.5	7 18.5	0.07	7 23.1	Tremors all day.
95	" 31	12 26.1	—	12 27.7	—	12 31.1	Tremors all day; move- ment at time given l o o k s seismic.
96	Feb. 2	17 45.9	—	17 49.7	—	17 58.3	A mere thickening.
97	" 3	22 29.2	—	—	—	22 32.0	Dislocation (? seismic).
98	" 9	13 30.4	—	13 34.1	0.07	13 37.6	—

Register from the Royal Alfred Observatory, Mauritius—continued.

No.	Date	Beginning of Dist.	Duration of P.T.s		Times of Maxima		½ Amp.	End of Dist.	Remarks.
			H. M. S.	H. M. S.	H. M. S.	H. M. S.			
99	Feb. 11	21 19.6	—	—	—	—	21 28.3	Mere thickenings from from 21h. 19.6m. to 25.3m. and 25.3m. to 28.3m.	
100	" 14	5 24.9	3.3	5 32.5	0.15	(?)	—	—	
101	" 15	8 31.1	—	8 33.1	—	8 38.1	—	—	
102	" 16	2 9.2	—	2 12.9	—	2 19.2	—	A mere thickening.	
103	" 16	6 58.9	3.6	7 4.8	0.09	7 8.6	—	—	
104	" 20	10 4.1	25.8	10 33.4	0.27	10 52.4	—	After tremors died away gradually.	
105	" 20	11 36.1	—	11 37.0	—	11 41.7	—	Isolated thickenings.	
106	" 27	0 57.4	—	1 0.4	—	1 5.5	—	—	
107	Mar. 3	15 40.0	—	15 42.5	0.15	16 18.8	—	—	
				15 49.2	0.15				
				15 55.3	0.19				
				16 5.5	0.15				
				16 12.8	0.14				
108	" 4	16 40.2	0 5.1	16 49.2	0.18	17 15.0	—	—	
109	" 5	11 5.4	1 32.5	12 47.1	0.21	13 30.8	—	—	
110	" 16	12 0.1	0 3.5	12 8.8	2.75	14 5.5	—	P.T.s of unusually short duration for a disturbance of this amplitude.	
				12 10.6	0.96				
				12 16.8	0.46				
111	" 18	8 0.0	—	—	—	12 0.0	—	Continuous tremors most active from 9¼h. to 11¼h.	
112	" 18	17 18.9	0 3.9	17 23.8	—	17 43.9	—	Mere thickening.	
				17 25.0	—				
				17 26.8	—				
				17 30.9	—				
113	" 19	0 10.2	0 9.4	0 20.6	—	1 8.5	—	Mere thickening.	
114	" 19	20 59.7	—	21 5.4	—	21 21.1	—	Slight widenings of the trace.	
				21 9.3	—				
				21 11.6	—				
				21 18.3	—				
115	" 19	23 46.2	—	23 47.5	—	23 54.6	—	Very slight widening.	
116	" 20	3 12.2	—	—	—	3 17.3	—	A few very small and irregular movements.	

Register from the Royal Alfred Observatory, Mauritius—continued.

No.	Date	Beginning of Dist.	Duration of P.T.s		Times of Maxima		½ Amp.	End of Dist.	Remarks
			H. M. S.	H. M. S.	H. M. S.	H. M. S.			
117	April 1	12 32.3	—	—	—	12 32.8	—	12 37.0	Very small (? seismic).
118	" 3	12 24.9	—	—	—	12 26.1	—	12 28.2	Very slight widenings.
119	" 3	16 11.6	—	—	—	16 14.7	—	16 22.2	Mere widening.
120	" 5	22 14.0	14.6	22 31.8	0.26	22 33.8	0.17	22 51.2	After tremors lasted 16.1m.
121	" 6	—	—	12 44.1	—	—	—	—	Very slight movements.
122	" 6	13 12.7	34.4	13 15.7	—	22 57.9	0.38	23 35.1	After tremors lasted 18.5m.
123	" 6	23 28.3	57.9	24 29.5	0.73	—	—	3 23.0	After tremors lasted 2h. 18.6m.
	" 7	—	—	0 33.2	3.10	—	—	—	
				0 35.9	1.06	—	—	—	
				0 41.4	1.01	—	—	—	
				0 47.2	0.49	—	—	—	
				0 53.4	0.36	—	—	—	
				1 0.6	0.33	—	—	—	
124	" 8	—	—	13 29.6	—	—	—	—	Very slight thickening.
125	" 9	22 24.0	—	22 26.9	—	—	—	22 31.9	Mere widening of trace.
126	" 12	12 49.2	—	12 51.0	—	—	—	12 54.3	Mere widening of trace.
127	" 14	—	—	11 12.8	—	—	—	—	Very slight movement.
128	" 18	3 13.7	19.4	3 34.0	—	35.2	—	3 51.5	Mere widenings.
				37.1	—	—	—	—	
129	" 23	19 59.6	—	—	—	—	—	20 1.4	Very slight (? seismic).
130	" 27	4 21.6	5.8	4 28.3	—	—	—	4 45.1	After tremors lasted 9.2m.
131	" 27	—	—	9 28.4	—	—	—	—	Very slight (? seismic).