

GOVERNMENT OF INDIA  
METEOROLOGICAL DEPARTMENT

# INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1931

PART E.  
SEISMIC RECORDS.

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Published by Authority of the Government of India

UNDER THE DIRECTION OF

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*Director General of Observatories*

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ADDENDUM TO ANNUAL SUMMARY FOR 1929, PART E.

At the end of the Seismic data for Agra, on page E 21, *add* the following note :—

NOTE.—Owing to uncertainty in the time given by the standard of reference at our disposal during the year, the absolute values of the time of occurrence of the various phases cannot be regarded as quite accurate, the time intervals between the different phases of any shock being however correct to within a few seconds. But it is estimated that the correction to the recorded time is of the order of  $\pm 1$  to  $\pm 1\frac{1}{2}$  minutes.

ADDENDA TO ANNUAL SUMMARY FOR 1930, PART E.

On page E 3, date July 3rd, against *AN*, phase *M*, *add* the following remark :—

“ The data for *M* are uncertain and should be deleted.”

At the end of the seismic data for Agra, on page E 6, *add* the following note :—

NOTE.—Owing to uncertainty in the time given by the standard of reference at our disposal during the year, the absolute values of the time of occurrence of the various phases cannot be regarded as quite accurate the time intervals between the different phases of any shock being however correct to within a few seconds. But it is estimated that the correction to the recorded time is of the order of  $\pm 1$  to  $\pm 2$  minutes except during 14th May to 4th June and 8th to 10th November and on 25th December 1930 when the corrections are of the order of  $+ 2$  to  $+ 4$  minutes and during 8th October to 4th November 1930 when they are of the order of  $-2$  to  $-2\frac{1}{2}$  minutes.

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TABLE E 1—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.		H. M. S.					1931.		H. M. S.					
Jan. 20th	AN. e	15 35 0	..	..	..	Slight shock.	Feb. 2nd	AN. eP	23 4 30	..	..	..	New Zealand shock of great intensity.	Feb. 12th	AE. P	5 51 30	..	..	..	Slight shock.	
	F	15 55 8	..	..	..			S	23 14 11	..	..	..			S	5 57 42	..	..	..		
" 24th	AE. e	13 53 3	..	..	..	Do.		L	23 31 48	..	..	..			Le	6 4 28	..	..	..		
	eF	14 14 27	..	..	..			M	23 52 9	20	814	..			eF	6 40 3	..	..	..		
" 24th	AN. e	13 58 19	..	..	..	Do.		F	Lost in changing drum.				" 12th	AN. P	5 51 23	..	..	..	Do.		
	F	14 33 53	..	..	..		" 7th	AE. e	15 4 15	..	..	..	Slight shock.		S	5 57 23	..	..	..		
" 27th	AE. P	20 11 51	..	..	..	Shock of very great intensity. Epicentre in Burma near Kamaing.	" 7th	eS	15 6 21	..	..	..			eL	6 3 1	..	..	..		
	S	20 15 1	..	..	..			Fe	15 18 59	..	..	..			Fe	7 26 0	..	..	..		
	L	20 16 56	..	..	..		" 7th	AN. e	15 4 2	..	..	..	Do.	" 13th	AE. eP	1 45 57	..	..	..	Shock of great intensity.	
	M	?	?	?	>1505	Motion of recording pen restricted due to side-stops at intervals for about 7 minutes.	" 10th	S	15 6 25	..	..	..			S	1 56 13	..	..	..		
	Fe	22 21 46	..	..	..		" 10th	Le	15 7 22	..	..	..			M	2 38 31	19	..	85		
" 27th	AN. P	20 11 51	..	..	..	Shock of very great intensity. Epicentre in Burma near Kamaing.	" 10th	F	15 13 22	..	..	..	Slight shock, felt at Kamaing in Burma.	" 13th	AN. eP	1 45 11	..	..	..	Do.	
	S	20 14 31	..	..	..		" 10th	AE. P	1 25 38	..	..	..		" 13th	S	1 56 11	..	..	..		
	L	20 16 46	..	..	..		" 10th	L	1 28 58	..	..	..		" 13th	M	2 36 20	19	128	..		
	M	?	?	?	>1444	Motion of recording pen restricted due to side-stops at intervals for about 8 minutes.	" 10th	Fe	1 30 48	..	..	..		" 13th	Fe	4 32 12	..	..	..		
" 28th	AE. P	21 33 26	..	..	..	Moderate shock.	" 10th	AN. e	1 26 9	..	..	..	Do.	" 13th	AE. e	22 22 6	..	..	..	Slight shock.	
	S	21 42 5	..	..	..		" 10th	S	1 23 49	..	..	..		" 13th	Fe	22 47 57	..	..	..		
	L	21 56 6	..	..	..		" 10th	L	1 30 18	..	..	..		" 13th	AN. e	22 22 14	..	..	..	Do.	
" 28th	AN. eP	21 32 48	..	..	..	Do.	" 10th	M	1 31 43	17	140	..		" 14th	Fe	22 45 8	..	..	..		
	Si	21 41 55	..	..	..		" 10th	F	2 3 30	..	..	..	Shock of great intensity. Epicentre apparently at Lat. 7° S. Long. 98° E.	" 14th	AE. eP	14 5 53	..	..	..	Moderate shock. Epicentre apparently at Lat. 7° S. Long. 98° E.	
	L	21 54 55	..	..	..		" 10th	AN. P	6 41 1	..	..	..		" 14th	S	14 12 13	..	..	..		
	M	21 56 31	22	74	..		" 10th	L	6 53 16	..	..	..		" 14th	Le	14 18 44	..	..	..		
	F	23 5 24	..	..	..		" 10th	M	7 0 41	23	184	..		" 14th	M	14 20 44	24	..	68		
Feb. 2nd	AE. eP	23 4 37	..	..	..	New Zealand shock of great intensity.	" 10th	Fe	8 40 11	..	..	..	Do.	" 14th	AN. eP	14 5 38	..	..	..	Do.	
	S	23 14 30	..	..	..		" 11th	AN. P	6 41 1	..	..	..		" 14th	S	14 11 56	..	..	..		
	Le	23 33 11	..	..	..		" 11th	L	6 53 16	..	..	..		" 14th	eL	14 17 38	..	..	..		
	M	23 52 57	23	..	533		" 11th	M	7 0 41	23	184	..		" 14th	F	15 17 44	..	..	..		
	F	Lost in changing drum.						" 11th	F	9 52 57	..	..	..	" 16th	AE. e	18 57 22	..	..	..	Slight shock.	
							" 11th	AE. e	19 51 0	..	..	..	Slight shock.	" 16th	S	19 5 23	..	..	..		
							" 11th	eS	19 54 9	..	..	..		" 16th	eL	19 18 8	..	..	..		
							" 11th	Fe	20 14 0	..	..	..		" 16th	F	19 43 26	..	..	..		
							" 11th	AN. e	19 50 54	..	..	..	Do.	" 16th	AN. e	18 57 22	..	..	..	Do.	
							" 11th	Se	19 54 7	..	..	..		" 16th	S	19 5 23	..	..	..		
							" 11th	Le	19 55 45	..	..	..		" 16th	Fe	19 40 9	..	..	..		
							" 11th	Fe	20 16 51	..	..	..		" 16th			..	..	..		

TABLE E 1—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
Feb. 19th	AE. P	17 45 34	..	..	..	Slight shock.	Mar. 9th	AE. P	3 57 49	..	..	..	Shock of very great intensity.	Mar. 18th	AE. P	20 23 23	..	..	..	Moderate shock.	
	Se	17 51 48	..	..	..			S	4 5 32	..	..	..			S	20 30 32	..	..	..		
	L	17 58 39	..	..	..			L	4 17 2	33	..	200			eL	20 40 24	..	..	..		
	F	19 12 57	..	..	..			M	4 22 23	>18	..	>1457	Motion of recording pen restricted due to side-stops.		Fe	22 26 46	..	..	..		
" 19th	AN. P	17 45 28	..	..	..	Do.	" 9th	AN. P	3 57 54	..	..	..	Shock of very great intensity.	" 18th	AN. Pe	20 23 19	..	..	..	Do.	
	Si	17 51 41	..	..	..			IS	4 5 32	..	..	..			IS	20 30 32	..	..	..		
	L	17 58 28	..	..	..			L	4 16 16	..	..	..			L	20 40 32	..	..	..		
	F	19 17 57	..	..	..			M	4 22 25	>19	>1710	..	Motion of recording pen restricted due to side-stops.		F	22 44 31	..	..	..		
" 20th	AE. P	5 39 7	..	..	..	Moderate shock.	" 11th	AE. e	6 16 9	..	..	..		" 10th	AE. Pi	6 33 17	..	..	..	Moderate shock. Epicentre apparently near Lat. 13°N Long. 118°E.	
	IS	5 45 40	..	..	..			Fe	6 57 11	..	..	..			Se	6 39 17	..	..	..		
	L	5 53 21	..	..	..			AN. P	3 57 54	..	..	..			L	6 45 27	..	..	..		
	Fe	6 37 14	..	..	..			AN. P	5 39 9	..	..	..			Fe	8 37 49	..	..	..		
" 20th	AN. P	5 39 9	..	..	..	Do.	" 11th	AN. e	6 16 9	..	..	..		" 19th	AN. eP	6 33 17	..	..	..	Do.	
	IS	5 45 41	15	165	..			Fe	6 52 40	..	..	..			S	6 39 19	..	..	..		
	Le	5 53 21	..	..	..			AN. e	6 16 24	..	..	..			M	6 51 10	18	87	..		
	F	6 37 22	..	..	..			Fe	6 52 40	..	..	..			Fe	8 1 54	..	..	..		
" 27th	AE. Pe	9 45 54	..	..	..	Do.	" 11th	AN. P	12 35 45	..	..	..	Moderate shock.	" 28th	AE. Pi	12 48 4	..	..	..	Moderate shock.	
	S	9 53 18	..	..	..			Fe	14 12 15	..	..	..			Si	12 52 54	..	..	..		
	eL	10 3 26	..	..	..			AN. e	12 35 56	..	..	..			L	12 56 52	..	..	..		
	Fe	10 27 21	..	..	..			Se	12 43 47	..	..	..			Fe	14 14 45	..	..	..		
" 27th	AN. e	9 46 0	..	..	..	Do.	" 11th	eL	12 55 24	..	..	..		" 28th	AN. P	12 48 5	..	..	..	Do.	
	S	9 53 17	..	..	..			Fe	14 17 41	..	..	..			S	12 52 54	..	..	..		
	Le	10 3 40	..	..	..			AN. P	15 17 9	..	..	..			L	12 56 51	..	..	..		
	Fe	10 10 45	..	..	..			Fe	15 36 44	..	..	..			F	14 59 39	..	..	..		
Mar. 5th	AE. e	18 0 42	..	..	..	Slight shock.	" 15th	AN. e	15 18 27	..	..	..		Apr. 6th	AE. e	7 1 53	..	..	..	Slight shock.	
	eF	19 2 17	..	..	..			Fe	15 44 43	..	..	..			S	7 11 58	..	..	..		
" 5th	AN. e	18 0 37	..	..	..	Do.	" 15th	AN. e	15 18 27	..	..	..		" 6th	AN. e	7 1 55	..	..	..	Do.	
	Fe	19 8 53	..	..	..			AN. P	8 23 5	..	..	..			S	7 12 0	..	..	..		
" 8th	AE. P	1 58 28	..	..	..	Moderate shock.	" 18th	AN. P	12 35 45	..	..	..			L	7 30 42	..	..	..		
	S	2 5 3	..	..	..			Fe	14 12 15	..	..	..			F	8 38 11	..	..	..		
	Le	2 13 10	..	..	..			AN. P	15 17 9	..	..	..			AN. P	16 55 55	..	..	..	Moderate shock.	
	F	Not determinable.	..	..	..			AN. P	15 18 27	..	..	..			Se	17 1 11	..	..	..		
" 8th	AN. Pi	1 58 22	..	..	..	Do.	" 18th	AN. P	15 18 27	..	..	..			L	17 5 5	..	..	..		
	Si	2 5 7	..	..	..			AN. P	15 44 43	..	..	..			M	17 11 35	20	..	67		
	Le	2 14 24	..	..	..			AN. P	8 23 5	..	..	..			F	17 46 41	..	..	..		
	M	2 17 41	20	115	..			AN. P	8 36 51	..	..	..			AN	Instrument taken off for overhauling.	..	..	..		
	F	3 22 24	..	..	..			AN. P	9 17 21	..	..	..			AN	Instrument taken off for overhauling.	..	..	..		
								AN. P	10 45 15	..	..	..			AN	Instrument taken off for overhauling.	..	..	..		
								AN. P	11 7 18	..	..	..			AN	Instrument taken off for overhauling.	..	..	..		





TABLE E 1—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.		
				AN.	AE.						AN.	AE.						AN.	AE.			
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.							
Aug. 27th	AN. P	15 29 2	..	..	..	Severe shock. Origin apparently in Baluchistan.	Aug. 28th	AN. e	10 42 15	..	..	..	After-shock of slight intensity.	Sept. 21st	AN. P	Not determinable.		..	..	..	Moderate shock.	
	S	15 30 50	..	..	..			S	10 43 45	..	..	..		S(?)	10 38 38	..	..	..	..	Record disturbed due to mechanical work inside the Seismograph room.		
	L	15 31 50	..	..	..			L	10 44 40	..	..	..		L	10 44 0	..	..	..	..			
	M	?	?	>1321	..	Motion of recording pen restricted due to side-stops almost continuously from about 15 <sup>h</sup> 33 <sup>m</sup> to 15 <sup>h</sup> 30 <sup>m</sup> and again from 15 <sup>h</sup> 41 <sup>m</sup> to 15 <sup>h</sup> 46 <sup>m</sup> .		F	20 9 44	..	..	..		M	10 46 57	19	214	..	..			
	F	Mixed up with the following shock.						AN. P	21 27 44	..	..	..	Do.		F	Not determinable.						
	AN. eP	18 2 13	..	..	..	After-shock of slight intensity.	" 28th	S	21 20 34	..	..	..		" 25th	AN. e	4 31 42	..	..	..	..		
" 27th	eS	18 4 5	..	..	..			L	21 30 40	..	..	..		F	4 46 54	..	..	..	..	..		
	F	18 40 13	..	..	..			F	21 30 53	..	..	..		" 25th	AN. P	6 6 41	..	..	..	..	Shock of very great intensity. Epicentre apparently in the neighbourhood of Sumatra Island.	
" 27th	AN. P	18 48 24	..	..	..	Do.	Sept. 0th	AN. e	5 45 45	..	..	..	Tremors.	" 25th								
	S	18 49 52	..	..	..			Fe	6 2 52	..	..	..										
	F	19 7 18	..	..	..		" 0th	AN. eP	14 35 17	..	..	..	Slight shock.		S	6 11 52	..	..	..	..		
" 27th	AN. P	18 48 24	..	..	..	Do.	" 8th	S	14 30 46	..	..	..			iL	6 15 53	..	..	..	..		
	S	18 49 52	..	..	..			eL	14 37 23	..	..	..			M	6 28 46	18	>1200	..	..	Motion of recording pen restricted due to side-stops on one side at intervals for about 8 minutes.	
	F	19 7 18	..	..	..		" 8th	AN. eP	16 15 32	..	..	..	Slight shock. Epicentre probably in the neighbourhood of Baluchistan.		F	9 49 16	..	..	..	..		
" 27th	AN. e	20 5 37	..	..	..	Do.	" 30th	S	16 16 53	..	..	..			AN. P	11 17 23	..	..	..	..	Slight shock. Epicentre apparently in Kumaon hills.	
	S	20 7 9	..	..	..			L	16 17 35	..	..	..			Si	11 18 34	..	..	..	..		
	L	20 8 9	..	..	..		" 8th	AN. e	19 18 29	..	..	..	Tremors.		Le	11 19 3	..	..	..	..		
	F	20 31 39	..	..	..			Fe	19 57 26	..	..	..			F	11 52 40	..	..	..	..		
" 28th	AN. e	0 44 26	..	..	..	After-shock of moderate intensity. Phases c and s disturbed due to observer's presence in Seismograph room.	" 9th	AN. e	20 48 17	..	..	..	Moderate shock.	" 30th	AN. e	12 58 44	..	..	..	..	..	Feeble shock. Epicentre apparently in Kumaon hills.
	S	0 46 7	..	..	..			Si	20 56 17	..	..	..			Fe	13 12 55	..	..	..	..		
	L	0 46 43	..	..	..		" 20th	eL	21 8 46	..	..	..			AN. eP	19 26 29	..	..	..	..	Shock of great intensity.	
	M	0 49 11	..	36	..			F	22 1 5	..	..	..			Se	19 36 41	..	..	..	..		
	F	1 11 27	..	..	..		" 21st	AN. e	2 29 59	..	..	..	Moderate shock. Reported to be felt in Japan.	Do.	AN. e	11 26 22	..	..	..	..	Slight shock.	
" 28th	AN. e	3 21 20	..	..	..	After-shock of slight intensity.		M	2 47 50	25	141	..			cS	11 29 23	..	..	..	..		
	eS	3 22 43	..	..	..			F	3 47 30	..	..	..			L	11 30 57	..	..	..	..		
	F	3 35 38	..	..	..					..	..	..			F	11 44 41	..	..	..	..		
" 28th	AN. P	10 15 12	..	..	..	Do.				..	..	..										
	eS	10 16 40	..	..	..					..	..	..										
	F	10 34 13	..	..	..					..	..	..										

TABLE E-1—concl'd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLITUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLITUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLITUDE. ( $\mu$ )		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.					
Oct. 5th	AN. P	22 33 52	..	.. ..	Moderate shock. Epicentre apparently in Hindu-kush mountains.	Oct. 10th	AN. Pe	16 54 23	..	.. ..				Nov. 5th	AN. IP	12 24 3	..	.. ..	Moderate shock.	
	S	22 35 52	..	.. ..			Fe	17 47 15	..	.. ..					IS	12 28 4	..	.. ..		
	eL	22 36 27	..	.. ..											eL	12 30 24	..	.. ..		
	Fe	23 11 45	..	.. ..											M	12 33 55	20	182 ..		
	AN. e	6 10 20	..	.. ..		Feeble shock.	Nov. 2nd	AN. P	10 10 53	..	.. ..	Shock of great intensity; Epicentre in sea south of Japan. Record disturbed due to mechanical work inside the Seismograph room.				AN. e	1 13 22	..	.. ..	Slight shock.
" 9th	F	6 38 50	..	.. ..		Si	10 17 48	..	.. ..						Fe	1 23 57	..	.. ..		
" 10th	AN. eP	0 32 29	..	.. ..	Shock of great intensity.	L	10 26 36	..	.. ..											
	S	Lost in changing drum.				M	Not determinable.													
	eL	1 0 24	..	.. ..		F	Lost in changing drum.									AN. e	14 39 18	..	.. ..	Slight shock.
	M	1 9 30	26	423 ..										F	15 51 35	..	.. ..			
	Fe	5 25 15	..	.. ..																

NOTE:—Owing to uncertainty in the time given by the standard of reference at our disposal during the year, the absolute values of the time of occurrence of the various phases cannot be regarded as quite accurate, the time intervals between the different phases of any shock being however correct to within a few seconds. But it is estimated that the correction to the recorded time is of the order of  $\pm 1$  to  $\pm 1\frac{1}{2}$  minutes.

G. CHATTERJEE,  
Meteorologist-in-charge,  
Upper Air Observatory, Agrc.

### STATION—BOMBAY (COLABA).

$\phi=18^{\circ} 53' 36''$  N;  $\lambda=72^{\circ} 48' 54''$  E;  $h=6$  m. *Subsoil—Trap rock.*

*Apparatus.*—(1) Milne-Shaw seismograph (N-S). *Damping ratio* 20 : 1.

(2) Milne-Shaw seismograph (E-W). *Damping ratio* 22 : 1, (in the underground constant temperature room).

TABLE E 2.

					$v$	To	$e$	$\frac{1}{To^2}$					
AN.					250	12	2.6	..					
AE					350	12	2.6	..					

  

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
Jan. 2nd	AN P	0 0 57	..	..	..		Jan. 4th	AN Pe	23 33 57	..	..	..	Very feeble shock.	Jan. 12th	AE e	15 44 0	..	..	..	..	Tremors.
	S	0 7 42	..	..	..		" 5th	F	0 20 0	..	..	..		" "	f	15 44 0	..	..	..	..	
	L	0 15 57	..	..	..		" 4th	AE Pe	23 33 57	..	..	..	Do.	" "	AN P	20 45 50	..	..	..	..	
	M	0 19 57	18	12	..		" 5th	F	0 23 0	..	..	..		" "	S	20 55 35	..	..	..	..	
	F	1 20 0	..	..	..		" "	AN P	13 17 41	..	..	..	Feeble shock.	" "	L	21 13 42	..	..	..	..	
" "	AE P	0 0 57	..	..	..		" "	F	13 45 0	..	..	..	Do.	" "	M	21 18 12	18	9	..	..	
	S	0 7 42	..	..	..		" "	AE P	13 17 41	..	..	..		" "	AE P	20 45 50	..	..	..	..	
	L	0 15 57	..	..	..		" "	F	13 45 0	..	..	..		" "	S	20 55 35	..	..	..	..	
	M	0 24 42	18	..	6		" 7th	AN P	2 8 16	..	..	..		" "	L	21 13 42	..	..	..	..	
	F	1 3 0	..	..	..		" "	S	2 11 55	..	..	..		" "	M	21 22 30	20	..	6	..	
" "	AN P	10 8 36	..	..	..		" "	L	2 14 12	..	..	..		" "	AN P	17 10 11	..	..	..	..	Very feeble shock.
	S	10 21 13	..	..	..		" "	M	2 15 58	7	3	..		" 14th	F	17 44 0	..	..	..	..	
	L	10 52 56	..	..	..		" "	F	2 53 0	..	..	..		" "	AE P	17 10 11	..	..	..	..	Do.
	M	11 18 18	20	11	..		" "	AN P	3 53 24	..	..	..	Very feeble shock.	" "	F	17 44 0	..	..	..	..	
	F	13 24 0	..	..	..		" "	AE P	3 53 24	..	..	..	Do.	" 15th	AN P	2 10 13	..	..	..	..	
" "	AN P	10 8 36	..	..	..		" "	F	4 8 0	..	..	..		" "	S	Lost during shifting time.	..	..	..	..	
	S	10 21 13	..	..	..		" "	AE P	3 53 24	..	..	..	Do.	" "	L	3 5 52	..	..	..	..	
	L	10 52 56	..	..	..		" "	F	4 8 0	..	..	..		" "	M	3 19 42	23	333	..	..	
	M	11 11 4	24	..	8		" 9th	AN Pe	9 26 0	..	..	..	Do.	" "	F	5 54 0	..	..	..	..	
	F	13 24 0	..	..	..		" "	F	9 42 0	..	..	..		" "	AE P	Lost due to failure of light.	..	..	..	..	
" 4th	AN P	4 49 5	..	..	..		" "	AE Pe	9 26 0	..	..	..	Do.	" "	S	Lost during shifting time.	..	..	..	..	
	S	4 53 23	..	..	..		" "	f	9 42 0	..	..	..		" "	L	3 5 52	..	..	..	..	
	L	4 56 53	..	..	..		" 11th	AN P	22 23 52	..	..	..	Do.	" "	M	3 17 35	25	..	183	..	
	M	4 58 11	9	3	..		" "	F	22 55 0	..	..	..		" "	F	5 48 0	..	..	..	..	
	F	5 47 0	..	..	..		" "	AE P	22 23 52	..	..	..	Do.	" "	AN P	21 10 39	..	..	..	..	
" "	AN P	4 49 5	..	..	..		" "	F	22 55 0	..	..	..		" "	S	21 17 51	..	..	..	..	
	S	4 53 33	..	..	..		" "	AN e	15 14 0	..	..	..	Tremors.	" "	L	21 27 59	..	..	..	..	
	L	4 56 53	..	..	..		" 12th	f	15 44 0	..	..	..		" "	M	21 33 39	15	11	..	..	
	M	5 0 18	7	..	1		" "							" "	F	22 38 0	..	..	..	..	
	F	5 47 0	..	..	..																

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.					
Jan. 15th	AE	Record disturbed by insect.					Jan. 18th	AN P	13 19 16	1	..	..		Jan. 20th	AN P	15 32 32	1	..	..	
" "	AN P	22 54 39	..	..	..			S	13 21 8	..	..	..			S	15 35 59	1	..	..	
" "	S	23 3 58	..	..	..			L	13 21 44	..	..	..			L	15 37 22	1	..	..	
" "	L	23 20 59	..	..	..			M	13 30 40	7	2	..			M	15 39 42	7	9	..	
" "	M	23 28 27	19	8	..			F	14 55 0	..	..	..			F	16 31 0	..	..	..	
" 16th	F	0 49 0	..	..	..		" "	AE P	13 19 16	..	..	..		" "	AE P	15 32 32	..	..	..	
" 15th	AE	Record disturbed by insect.						S	13 21 8	..	..	..			S	15 35 59	..	..	..	
" 16th	AN e	1 44 0	..	..	..	Tremors.		L	13 21 44	..	..	..			L	15 37 22	..	..	..	
" "	f	2 6 0	..	..	..			M	13 30 33	9	..	2			M	15 39 45	8	..	6	
" "	AE	Record disturbed by insect.					" 19th	AN P	12 34 15	..	..	..		" "	AN P	23 52 11	..	..	..	
" 16th	AN P	19 39 30	..	..	..			S	12 42 15	..	..	..		" 21st	S	23 58 56	..	..	..	
" "	S	19 52 53	..	..	..			L	12 55 18	..	..	..		" "	L	0 6 6	..	..	..	
" "	L	20 28 11	..	..	..			M	13 0 56	18	4	..		" 20th	F	0 57 0	..	..	..	
" "	M	20 44 48	25	9	..			F	13 49 0	..	..	..		" "	AE P	23 52 11	..	..	..	
" "	F	21 43 0	..	..	..		" "	AE P	12 34 15	..	..	..		" 21st	S	23 58 36	..	..	..	
" "	AE P	19 39 30	..	..	..			S	12 42 15	..	..	..		" "	L	0 6 6	..	..	..	
" "	S	19 52 53	..	..	..			L	12 55 18	..	..	..		" 20th	F	0 57 0	..	..	..	
" "	L	20 28 11	..	..	..			M	13 0 28	17	..	4		" "	AE P	23 52 11	..	..	..	
" "	M	20 47 1	25	..	9		" "	F	13 49 0	..	..	..		" 21st	S	23 58 36	..	..	..	
" "	F	21 43 0	..	..	..		" "	AE P	12 34 15	..	..	..		" "	L	0 6 6	..	..	..	
" 17th	AN P	3 12 1	..	..	..		" "	S	12 42 15	..	..	..		" 24th	F	0 57 0	..	..	..	
" "	S	3 25 22	..	..	..			L	12 55 18	..	..	..		" "	AN P	13 50 18	..	..	..	
" "	L	4 0 14	..	..	..			M	13 0 28	17	..	4		" "	S	13 58 3	..	..	..	
" "	M	4 15 32	20	11	..		" "	F	13 49 0	..	..	..		" "	L	14 8 48	..	..	..	
" "	F	5 13 0	..	..	..		" "	AN P	16 21 23	..	..	..		" "	M	14 17 51	17	5	..	
" "	AE P	3 12 1	..	..	..		" "	S	16 29 32	..	..	..		" "	F	15 41 0	..	..	..	
" "	S	3 25 22	..	..	..		" "	L	16 42 8	..	..	..		" "	AE P	13 50 18	..	..	..	
" "	L	4 0 14	..	..	..		" "	M	16 51 1	18	4	..		" "	S	13 58 3	..	..	..	
" "	M	4 14 22	20	..	8		" "	F	17 17 0	..	..	..		" "	L	14 8 48	..	..	..	
" "	F	5 13 0	..	..	..		" "	AE P	16 21 23	..	..	..		" "	M	14 17 23	15	..	6	
" 18th	AN P	4 38 15	..	..	..		" 20th	AN P	9 31 18	..	..	..		" "	F	15 41 0	..	..	..	
" "	S	4 40 13	..	..	..			S	16 29 32	..	..	..		" "	AN e	18 36 42	..	..	..	
" "	L	4 41 0	..	..	..			L	16 42 8	..	..	..		" "	M	19 11 12	18	4	..	
" "	M	4 42 59	5	2	..			M	16 47 15	17	..	2		" "	f	20 1 0	..	..	..	
" "	F	4 58 0	..	..	..		" "	F	17 17 0	..	..	..		" "	AE e	18 36 42	..	..	..	
" "	AE P	4 38 15	..	..	..		" "	AN P	9 31 18	..	..	..		" "	M	19 7 55	18	..	4	
" "	S	4 40 13	..	..	..		" "	S	9 34 39	..	..	..		" "	f	20 1 0	..	..	..	
" "	L	4 41 0	..	..	..		" "	L	9 36 33	..	..	..		" "	AE e	18 36 42	..	..	..	
" "	M	4 43 13	5	..	1		" "	M	9 36 52	6	..	15		" "	M	19 7 55	18	..	4	
" "	F	4 58 0	..	..	..		" "	F	10 28 0	..	..	..		" "	f	20 1 0	..	..	..	
" "	AE P	4 38 15	..	..	..		" "	AE P	9 31 18	..	..	..		" 26th	AN P	4 18 16	..	..	..	
" "	S	4 40 13	..	..	..			S	9 34 39	..	..	..		" "	S	4 21 30	..	..	..	
" "	L	4 41 0	..	..	..			L	9 36 33	..	..	..		" "	L	4 23 3	..	..	..	
" "	M	4 43 13	5	..	1			M	9 36 52	6	..	15		" "	M	4 25 4	15	3	..	
" "	F	4 58 0	..	..	..		" "	F	10 28 0	..	..	..		" "	F	5 7 0	..	..	..	

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )	REMARKS.
		H. M. S.		AN. AE.				H. M. S.		AN. AE.				H. M. S.		AN. AE.	
1931.						1931.						1931.					
Jan. 26th	AN P	22 31 28	..	..		Jan. 29th	AE P	17 42 0	..	..	Feeble shock.	Feb. 2nd	AN P	23 4 41	..	..	
	S	22 34 38	..	..			F	18 8 0	..	..			S	23 15 37	..	..	
	L	22 36 10	..	..					..	..			L	23 36 46	..	..	
	M	22 36 53	11	2		" 30th	AN P	3 37 41	..	..		" 3rd	M	23 52 35	16	163	
	F	22 54 0	..	..			S	3 41 56	..	..			F	3 37 0	..	..	
" "	AE P	22 31 28	..	..			L	3 44 46	..	..		" 2nd	AE P	23 4 41	..	..	
	S	22 34 38	..	..			M	3 40 59	7	3			S	23 15 37	..	..	
	L	22 36 10	..	..			F	4 6 0	..	..			L	23 36 46	..	..	
	M	22 38 20	13	2		" "	AE P	3 37 41	..	..		" 3rd	M	23 49 26	20	146	
	F	22 54 0	..	..			S	3 41 56	..	..			F	3 37 0	..	..	
" 27th	AN P	20 14 15	..	..		" "	L	3 44 46	..	..		" 4th	AN e	6 41 0	..	..	Tremors.
	S	20 18 15	..	..			M	3 47 21	7	1			f	6 54 0	..	..	
	L	20 20 38	..	..			F	4 6 0	..	..		" "	AE e	6 41 0	..	..	Do.
	M	20 23 53	10	293		" 31st	AN P	20 48 18	..	..		" 7th	f	6 54 0	..	..	
" 28th	F	0 10 0	..	..			S	20 52 45	..	..			AN e	1 15 15	..	..	
" 27th	AE P	20 14 15	..	..			L	20 55 46	..	..		" "	M	1 20 25	6	2	
	S	20 18 15	..	..			M	20 57 8	7	2		" "	F	1 38 0	..	..	
	L	20 20 38	..	..			F	22 20 0	..	..		" "	AE	Movements very faint due to weak illumination.			
	M	20 24 88	9	239		" "	AE P	20 48 18	..	..		" "	AN P	15 7 21	..	..	
" 28th	F	0 10 0	..	..		" "	S	20 52 45	..	..		" "	S	15 10 23	..	..	
" "	AN e	20 42 0	..	..	Tremors.		L	20 55 46	..	..		" "	L	15 11 50	..	..	
" "	F	21 7 0	..	..			M	20 57 54	7	1		" "	M	15 12 33	4	20	
" "	AE e	20 42 0	..	..	Do.		F	21 20 0	..	..		" "	F	15 35 0	..	..	
" "	F	21 7 0	..	..		Feb. 1st	AN e	5 15 31	..	..	Feeble shock	" "	AE P	15 7 21	..	..	
" "	AN P	21 35 19	..	..			F	5 34 0	..	..		" "	S	15 10 28	..	..	
" "	S	21 44 19	..	..		" "	AE e	5 15 31	..	..	Do.	" "	L	15 11 50	..	..	
" "	L	22 0 22	..	..		" "	F	5 34 0	..	..		" 8th	M	15 12 47	4	6	
" 26th	M	22 0 42	25	40		" 2nd	AN P	2 3 43	..	..	Do.	" "	F	15 35 0	..	..	
" 28th	F	0 55 0	..	..		" 2nd	F	2 24 0	..	..		" "	AN Pe	2 3 20	..	..	
" 28th	AE P	21 35 19	..	..		" "	AN P	2 3 43	..	..	Do.	" "	M	2 49 58	20	6	
" "	S	21 44 19	..	..		" "	F	2 24 0	..	..		" "	F	4 1 0	..	..	
" "	L	22 0 22	..	..		" "	AE P	2 3 43	..	..		" "	AN Pe	2 3 20	..	..	
" 29th	M	22 6 4	16	14		" "	F	2 24 0	..	..		" "	M	2 46 36	20	5	
" "	F	0 55 0	..	..		" "	AN P	3 45 57	..	..		" 10th	F	4 1 0	..	..	
" "	AN e	17 18 29	..	..		" "	S	3 48 23	..	..		" "	AN P	1 28 6	..	..	
" "	M	17 22 14	7	3		" "	L	3 49 19	..	..		" "	S	1 32 16	..	..	
" "	F	Mixed up with the next shock.				" "	M	3 49 37	8	3		" "	L	1 34 54	..	..	
" "	AE e	17 18 29	..	..		" "	F	4 11 0	..	..		" "	M	1 35 59	10	33	
" "	M	17 26 28	6	1		" "	AE P	3 45 57	..	..		" "	F	2 24 0	..	..	
" "	F	Mixed up with the next shock.				" "	S	3 48 23	..	..		" "	AE P	1 28 6	..	..	
" "	AN P	17 42 9	..	..	Feeble shock.	" "	L	3 49 19	..	..		" "	S	1 32 16	..	..	
" "	F	18 3 0	..	..		" "	M	3 54 10	7	1		" "	L	1 34 54	..	..	
						" "	F	4 11 0	..	..		" "	M	1 38 51	14	12	
						" "						" "	F	2 24 0	..	..	



TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
Feb. 22nd	AN. P	21 36 47	..	..	..	Feeble shock.	Mar. 2nd	AN. P	2 25 40	..	..	..		Mar. 7th	AN. Pe	10 18 28	..	..	..	Feeble shock	
	S	21 44 18	..	..	..			S	2 36 47	..	..	..		f	11 51 0	..	..	..			
	L	21 54 51	..	..	..			L	3 0 20	..	..	..		AE. P	10 18 23	..	..	..	Feeble shock.		
	F	22 24 0	..	..	..			M	3 14 4	22	8	..		F	11 51 0	..	..	..			
" 22nd	AE. P	21 36 47	..	..	..	Feeble shock.	" 2nd	AE. P	2 25 40	..	..	..		" 7th	AN. e	21 58 0	..	..	..	Tremors.	
	S	21 44 13	..	..	..			S	2 36 47	..	..	..		f	22 8 0	..	..	..			
	L	21 54 51	..	..	..			L	3 0 20	..	..	..		AE. e	21 58 0	..	..	..	Tremors.		
	F	22 24 0	..	..	..			M	3 16 55	18	..	4		f	22 8 0	..	..	..			
" 24th	AN. Pe	17 35 43	..	..	..		" 2nd	F	4 13 0	..	..	..		AN. P	1 59 5	..	..	..			
	M	17 57 23	25	6	..			M	20 36 25	10	3	..		S	2 6 5	..	..	..			
	F	18 32 0	..	..	..			F	20 53 0	..	..	..		L	2 15 42	..	..	..			
" 24th	AE. Pe	17 35 43	..	..	..			AE. Pe	20 21 7	..	..	..		M	2 19 57	16	12	..			
	M	17 58 58	23	..	3			M	20 36 49	7	..	1		F	3 40 0	..	..	..			
	F	18 32 0	..	..	..			F	20 53 0	..	..	..		AN. P	1 59 5	..	..	..			
" 27th	AN. P	9 47 13	..	..	..		" 5th	AN. P	18 0 52	..	..	..		S	2 6 5	..	..	..			
	S	9 54 40	..	..	..			S	18 5 38	..	..	..		L	2 15 42	..	..	..			
	L	10 5 31	..	..	..			L	18 9 16	..	..	..		M	2 20 46	20	..	18			
	M	10 9 40	23	16	..			M	18 17 54	15	6	..		F	3 40 0	..	..	..			
	F	10 54 0	..	..	..			F	20 33 0	..	..	..		AN. Pe	12 44 11	..	..	..			
" 27th	AE. Pe	9 47 13	..	..	..		" 5th	AE. P	18 0 52	..	..	..		M	12 56 56	16	4	..			
	S	9 54 40	..	..	..			S	18 0 58	..	..	..		F	13 15 0	..	..	..			
	L	10 5 31	..	..	..			L	18 9 16	..	..	..		AN. Pe	12 44 11	..	..	..			
	M	10 8 10	25	..	22			M	18 21 30	12	..	4		M	12 59 25	20	..	4			
	F	10 54 0	..	..	..			F	20 33 0	..	..	..		F	13 15 0	..	..	..			
" 28th	AN. e	2 21 0	..	..	..	Tremors.	" 7th	AN. P	0 25 24	..	..	..		AN. P	3 59 25	..	..	..			
	f	2 37 0	..	..	..			S	0 32 27	..	..	..		S	4 7 50	..	..	..			
" 28th	AE. e	2 21 0	..	..	..	Tremors.		L	0 41 59	..	..	..		L	4 21 16	..	..	..			
	f	2 37 0	..	..	..			M	0 46 24	22	6	..		M	4 28 40	16	181	..			
" 28th	AN. P	22 30 27	..	..	..		" 7th	F	Mixed up with the next shock.					F	8 10 0	..	..	..			
	S	22 34 29	..	..	..			AE. P	0 25 24	..	..	..		AN. P	3 59 25	..	..	..			
	L	22 37 5	..	..	..			S	0 32 27	..	..	..		S	4 7 50	..	..	..			
	M	22 39 1	7	2	..			L	0 41 59	..	..	..		L	4 21 16	..	..	..			
	F	22 59 0	..	..	..			M	0 47 14	16	..	3		M	4 29 20	16	..	222			
" 28th	AE. P	22 30 27	..	..	..		" 7th	F	Mixed up with the next shock.					F	8 10 0	..	..	..			
	S	22 34 29	..	..	..			AN. Pe	1 5 14	..	..	..		AN. P	6 8 44	..	..	..			
	L	22 37 5	..	..	..		" 7th	f	3 5 0	..	..	..		S	6 17 25	..	..	..			
	M	22 40 34	7	..	1			AE. Pe	1 5 14	..	..	..		L	6 32 21	..	..	..			
	F	22 59 0	..	..	..			f	3 5 0	..	..	..		F	7 4 0	..	..	..			





TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.					
Mar. 29th	AN. e	17 49 0				Tremors.	Apl. 3rd	AN. P	Lost in shifting time.				Feeble shock.	Apl. 7th	AN P	7 52 11				Feeble shock.
	f	18 1 0						F	3 6 0						Se	8 2 37				
" 29th	AE. e	17 49 0				Tremors.	" 3rd	AE. P	2 16 6				Feeble shock.		L	8 21 23				
	f	18 1 0						F	3 6 0					" 7th	F	9 2 0	8	2		
" 29th	AN. P	18 2 14					" 3rd	AN. e	3 22 0				Tremors.		AE P	7 52 11				Do.
	S	18 10 30						f	4 13 0						Se	8 2 37				
	L	18 22 13					" 3rd	AE. e	3 22 0				Do.		L	8 21 23				
	F	18 55 0					" 3rd	f	4 13 0					" 8th	F	9 2 0				
" 29th	AE. P	18 2 14					" 3rd	AN. P	21 50 40				Feeble shock.		AN P	19 14 11				
	S	18 10 13						F	23 1 0					S	19 23 2					
	L	18 22 13					" 3rd	AE P	21 50 40				Do.		L	19 37 58				
	F	18 55 0					" 3rd	F	23 1 0					F	20 21 0					
" 30th	AN. e	7 51 0				Tremors.	" 3rd	AN P	23 36 10				Do.	" 8th	AE P	19 14 11				
	f	8 8 0						S	23 46 14					S	19 23 2					
" 30th	AN. e	7 51 0				Tremors.	" 4th	L	0 5 3					" 9th	AN P	23 11 57				
	f	8 8 0						F	1 2 0					S	23 20 48					
" 30th	AE. P	13 48 12					" 3rd	AE P	23 36 10				Do.	" 10th	F	0 15 0				
	S	13 52 54					" 4th	S	23 46 14					" 9th	S	23 20 48				
	L	13 56 10					" 4th	L	0 5 3					" 10th	L	23 35 54				
	M	14 6 10	15	2			" 6th	M	7 38 10	24	11			" 10th	M	23 43 7	17	4		
	F	14 28 0					" 6th	F	9 2 0					" 11th	F	0 15 0				
" 30th	AE. P	13 48 12					" 6th	AN P	7 2 19					" 9th	AE P	23 11 57				
	S	13 52 54						S	7 12 39					" 9th	S	23 20 48				
	L	13 56 10					" 7th	L	7 32 39					" 10th	L	23 35 54				
	M	14 6 19	15	2			" 7th	M	7 38 10	24	11			" 11th	M	23 43 7	17	4		
	F	14 28 0					" 7th	F	9 2 0					" 11th	F	0 15 0				
" 31st	AN. e	17 17 0				Tremors.	" 6th	AE P	7 2 19					" 11th	AN P	Lost in shifting time.				Feeble shock.
	f	17 51 0						S	7 12 39					" 11th	F	2 39 0				
	AE. e	17 17 0				Do.	" 6th	L	7 32 39					" 11th	AE P	Lost in shifting time.				Do.
	f	17 51 0					" 6th	M	7 35 30	24	12			" 11th	F	2 39 0				
April 2nd	AN. P	0 33 3					" 7th	AN P	0 20 45					" 12th	AN P	Lost in shifting time.				
	S	0 37 20						S	0 25 8					" 12th	M	3 6 44	19	9		
	L	0 40 18					" 7th	L	0 28 8					" 12th	F	3 54 0				
	M	0 41 8	7	4			" 7th	M	0 28 19	5	4			" 12th	AE P	Lost in shifting time.				
	F	1 6 0					" 7th	F	0 58 0					" 12th	M	2 59 8	16	2		
	AE. P	0 33 3					" 7th	AE P	0 20 45					" 15th	F	3 54 0				
	S	0 37 20					" 7th	S	0 25 8					" 15th	AN P	17 6 56				Feeble shock.
	L	0 40 18					" 7th	L	0 28 8					" 15th	F	18 7 0				
	M	0 41 22	5	1			" 7th	M	0 29 6	7	1									
	F	1 6 0					" 7th	F	0 58 0											

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLITUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLITUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLITUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.		H. M. S.					1931.		H. M. S.					
Apl. 15th	AE P	17 6 50	..	.. ..	Feeble shock.	Apl. 23rd	AE P	4 14 2	..	.. ..	Very feeble sh. ck.	May 4th	AE						Record lost due to stop- page of driving clock.		
	F	18 7 0	..	.. ..			F	4 25 0	..	.. ..		" 5th	AN P	6 46 39	..	.. ..	..	.. ..	Feeble shock.		
" 16th	AN P	12 3 23	..	.. ..	Do.	" 24th	AN P	17 34 50	..	.. ..			S	6 50 9	..	.. ..	..	.. ..			
	F	13 5 0	..	.. ..			S	17 45 11	..	.. ..			L	6 52 11	..	.. ..	..	.. ..			
" 16th	AE P	12 3 23	..	.. ..	Do.		L	18 5 1	..	.. ..		" 5th	F	7 17 0	..	.. ..	..	.. ..			
	F	13 5 0	..	.. ..			M	18 10 6	15	10 ..			AE P	6 46 39	..	.. ..	..	.. ..	Do.		
" 16th	AN P	21 47 32	..	.. ..	Distant fee- ble shock.	" 24th	AE P	17 34 50	..	.. ..			S	6 50 9	..	.. ..	..	.. ..			
	S	21 58 14	..	.. ..			S	17 45 11	..	.. ..		" 5th	L	6 52 11	..	.. ..	..	.. ..			
	L	22 19 10	..	.. ..			L	18 5 1	..	.. ..			F	7 17 0	..	.. ..	..	.. ..			
	F	23 9 0	..	.. ..			M	18 9 36	24	.. 18		" 5th	AN P	14 15 9	..	.. ..	..	.. ..	Do.		
" 16th	AE P	21 45 16	..	.. ..	Do.	" 26th	AN P	1 57 27	..	.. ..	Feeble shock.		S	14 18 39	..	.. ..	..	.. ..			
	S	21 56 6	..	.. ..			F	2 39 0	..	.. ..		" 5th	L	14 20 50	..	.. ..	..	.. ..			
	L	22 18 12	..	.. ..		" 26th	AE P	1 57 27	..	.. ..	Do.		F	14 43 0	..	.. ..	..	.. ..			
	F	23 4 0	..	.. ..			F	2 39 0	..	.. ..		" 5th	AE P	14 15 9	..	.. ..	..	.. ..	Do.		
" 16th	AN P	23 37 44	..	.. ..	Feeble shock.	" 26th	AN e	4 51 0	..	.. ..	Tremors.		S	14 18 39	..	.. ..	..	.. ..			
" 17h	F	0 4 0	..	.. ..		" 26th	f	5 47 0	..	.. ..		" 6th	L	14 20 50	..	.. ..	..	.. ..			
" 16th	AE P	23 37 15	..	.. ..	Do.	" 26th	AE e	4 51 0	..	.. ..	Do.	" 6th	F	14 43 0	..	.. ..	..	.. ..			
" 17th	F	0 4 0	..	.. ..		" 27th	f	5 47 0	..	.. ..		" 6th	AN Pe	15 23 3	..	.. ..	..	.. ..			
" 19th	AN P	2 39 36	..	.. ..		" 27th	AN P	16 57 1	..	.. ..		" 6th	M	16 3 50	17	3 ..	..	.. ..			
	S	2 47 20	..	.. ..			S	17 2 11	..	.. ..		" 6th	F	17 0 0	..	.. ..	..	.. ..			
	L	2 58 43	..	.. ..		" 27th	L	17 6 34	..	.. ..		" 6th	AE Pe	15 23 3	..	.. ..	..	.. ..			
	M	3 4 29	15	5 ..			L	17 6 34	..	.. ..		" 6th	M	15 59 36	17	.. 2	..	.. ..			
	F	4 7 0	..	.. ..		" 27th	M	17 12 36	16	30 ..		" 7th	F	17 0 0	..	.. ..	..	.. ..			
" 18th	AE P	2 39 36	..	.. ..		" 27th	F	19 6 0	..	.. ..		" 7th	AN P	0 50 2	..	.. ..	..	.. ..			
	S	2 47 20	..	.. ..			AE P	16 57 1	..	.. ..		" 7th	S	0 53 32	..	.. ..	..	.. ..			
	L	2 58 43	..	.. ..		" 27th	S	17 2 11	..	.. ..		" 7th	L	Lost in hourly break.		..	.. ..				
		3 5 58	12	.. 2			L	17 6 34	..	.. ..		" 7th	F	1 24 0	..	.. ..	..	.. ..			
		4 3 0	..	.. ..		" 27th	M	17 12 21	15	.. 10		" 7th	AE P	0 50 2	..	.. ..	..	.. ..			
" 2nd	AN Pe	0 10 40	..	.. ..		May 3rd	F	19 6 0	..	.. ..		" 7th	S	0 53 32	..	.. ..	..	.. ..			
	M	0 45 34	21	4 ..		" 3rd	AN P	20 21 1	..	.. ..	Feeble shock.	" 7th	L	Lost in hourly break.		..	.. ..				
	F	1 57 0	..	.. ..		" 3rd	F	20 51 0	..	.. ..		" 7th	F	1 24 0	..	.. ..	..	.. ..			
" 22nd	AE Pe	0 10 40	..	.. ..		" 3rd	AE P	20 21 1	..	.. ..	Do.	" 10th	AN P	19 48 41	..	.. ..	..	.. ..	Very feeble shock.		
	M	0 43 25	16	.. 3		" 3rd	F	20 51 0	..	.. ..		" 10th	F	20 22 0	..	.. ..	..	.. ..			
	F	1 57 0	..	.. ..		" 4th	AN P	2 53 8	..	.. ..		" 10th	AE P	19 48 41	..	.. ..	..	.. ..	Do.		
" 23rd	AN P	4 14 2	..	.. ..	Very feeble shock.	" 4th	S	2 56 48	..	.. ..		" 10th	F	20 22 0	..	.. ..	..	.. ..			
	F	4 25 0	..	.. ..		" 4th	L	2 59 0	..	.. ..		" 10th	AN e	20 44 0	..	.. ..	..	.. ..	Tremors.		
						" 4th	M	3 5 4	9	3 ..		" 10th		21 19 0	..	.. ..	..	.. ..			
						" 4th	F	3 31 0	..	.. ..					..	.. ..	..	.. ..			

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )	REMARKS.
		H. M. S.		AN. AE.				H. M. S.		AN. AE.				H. M. S.		AN. AE.	
1931.						1931.						1931.					
May 10th	AE e	20 44 0	..	.. ..	Tremors.	May 10th	AN P	0 52 21	..	.. ..	Feeble shock.	May 17th	AE P	15 33 35	..	.. ..	Very feeble shock.
	f	21 19 0	..	.. ..			S	0 56 23	..	.. ..			F	16 5 0	..	.. ..	
" 12th	AN P	1 48 30	..	.. ..			L	0 58 44	..	.. ..		" 20th	AN P	2 34 52	..	.. ..	
	S	1 58 48	..	.. ..			F	10 31 0	..	.. ..			S	2 44 44	..	.. ..	
	L	Lost in shifting time.				" 16th	AE P	0 52 21	..	.. ..	Do.		L	3 4 3	..	.. ..	
	M	2 23 9	17	5 ..			S	9 56 23	..	.. ..			M	3 12 4	15	22 ..	
	F	3 7 0	..	.. ..			L	9 58 44	..	.. ..			F	Mixed up with the next shock.			
" 12th	AE P	1 48 30	..	.. ..		" 16th	AN e	21 6 0	..	.. ..	Tremors.	" 20th	AE P	2 34 52	..	.. ..	
	S	1 57 48	..	.. ..			f	21 47 0	..	.. ..			S	2 44 44	..	.. ..	
	L	Lost in shifting time.				" 16th	AE e	21 6 0	..	.. ..	Do.		L	3 4 3	..	.. ..	
	M	2 23 55	16	.. 4		" 16th	f	21 47 0	..	.. ..		" 20th	M	3 15 57	16	.. 17	
	F	3 7 0	..	.. ..			AN e	21 59 0	..	.. ..	Do.		F	Mixed up with the next shock.			
" 12th	AN P	10 29 39	..	.. ..	Feeble shock.	" 16th	f	21 47 0	..	.. ..		" 20th	AN P	5 15 8	..	.. ..	
	S	10 36 32	..	.. ..		" 16th	AN e	21 59 0	..	.. ..	Do.		S	5 19 21	..	.. ..	
	L	10 45 32	..	.. ..		" 16th	f	23 4 0	..	.. ..			L	5 22 0	..	.. ..	
	F	11 14 0	..	.. ..		" 16th	AE e	21 59 0	..	.. ..	Do.	" 20th	M	5 22 50	6	4 ..	
" 12th	AE P	10 29 39	..	.. ..	Do.	" 16th	f	23 4 0	..	.. ..		" 20th	F	5 54 0	..	.. ..	
	S	10 36 32	..	.. ..		" 17th	AN P	0 58 28	..	.. ..		" 20th	AE P	5 15 8	..	.. ..	
	L	10 45 32	..	.. ..		" 17th	S	1 2 35	..	.. ..			S	5 19 21	..	.. ..	
	F	11 14 0	..	.. ..		" 17th	L	1 5 7	..	.. ..			L	5 22 0	..	.. ..	
" 13th	AN P	7 58 43	..	.. ..	Do.	" 17th	M	1 6 18	7	2 ..		" 20th	M	5 27 30	6	.. 1	
	S	8 3 0	..	.. ..		" 17th	F	1 29 0	..	.. ..		" 20th	F	5 54 0	..	.. ..	
	L	8 5 52	..	.. ..		" 17th	AE P	0 58 28	..	.. ..		" 20th	AN P	22 13 40	..	.. ..	Distant feeble shock.
	F	8 57 0	..	.. ..		" 17th	S	1 2 35	..	.. ..		" 20th	F	23 45 0	..	.. ..	
" 13th	AE P	7 58 43	..	.. ..	Feeble shock.	" 17th	L	1 5 7	..	.. ..		" 20th	AE P	22 13 40	..	.. ..	Do.
	S	8 3 0	..	.. ..		" 17th	M	1 10 18	6	.. 1		" 20th	F	23 45 0	..	.. ..	
	L	8 5 52	..	.. ..		" 17th	F	1 29 0	..	.. ..		" 24th	AN P	0 22 12	..	.. ..	
	F	8 57 0	..	.. ..		" 17th	AN e	9 34 0	..	.. ..	Tremors.	" 24th	S	0 29 35	..	.. ..	
" 13th	AN P	23 19 3	..	.. ..	Do.	" 17th	f	10 5 0	..	.. ..		" 24th	L	0 39 51	..	.. ..	
	F	23 54 0	..	.. ..		" 17th	AE e	9 34 0	..	.. ..	Do.	" 24th	F	1 28 0	..	.. ..	
	AE P	23 19 3	..	.. ..	Do.	" 17th	f	10 5 0	..	.. ..		" 24th	AE P	0 22 12	..	.. ..	
	F	23 54 0	..	.. ..		" 17th	AN e	12 59 0	..	.. ..	Do.	" 24th	S	0 29 35	..	.. ..	
" 15th	AN e	8 3 0	..	.. ..	Tremors.	" 17th	f	13 25 0	..	.. ..		" 24th	L	0 39 51	..	.. ..	
	f	8 18 0	..	.. ..		" 17th	AE e	12 59 0	..	.. ..	Tremors.	" 24th	F	1 28 0	..	.. ..	
	AE e	8 3 0	..	.. ..	Do.	" 17th	f	13 25 0	..	.. ..		" 24th	AN Pe	8 9 41	..	.. ..	Very feeble shock.
	f	8 18 0	..	.. ..		" 17th	AN	15 33 35	..	.. ..	Very feeble shock.	" 24th	f	8 27 0	..	.. ..	Very feeble shock.
						" 17th	F	16 5 0	..	.. ..		" 24th	AE Pe	8 9 41	..	.. ..	
												" 24th	f	8 27 0	..	.. ..	

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.					1931.	H. M. S.							
May 27th	AN P	0 53 4	..	..	..		May 30th	AE e	12 16 0	..	..	..	Tremors.	June 2nd	AE P	17 44 25	..	..	..	Feeble shock.	
	S	0 56 35	..	..	..			f	12 44 0	..	..	..			S	17 46 25	..	..	..		
	L	0 58 35	..	..	..			AN. Pe	0 25 5	..	..	..	Very feeble shock.		L	17 47 13	..	..	..		
	F	1 19 0	..	..	..		June 1st	f	0 49 0	..	..	..			F	18 10 0	..	..	..		
	AE P	0 53 4	..	..	..			AE Pe	0 25 5	..	..	..	Do.	„ 4th	AN P	10 0 26	..	..	..		
	S	0 56 35	..	..	..			f	0 40 0	..	..	..			S	10 8 45	..	..	..		
	L	0 58 35	..	..	..			AN P	12 0 18	..	..	..	Do.		L	10 21 11	..	..	..		
	F	1 19 0	..	..	..			F	12 57 0	..	..	..			F	11 0 0	..	..	..		
	AN e	6 39 0	..	..	..	Tremors.		AE P	12 0 18	..	..	..	Do.		AE P	10 0 26	..	..	..		
	f	7 24 0	..	..	..			F	12 57 0	..	..	..			S	10 8 45	..	..	..		
	AE e	6 39 0	..	..	..	Do.		AN P	2 48 26	..	..	..	Feeble shock.	„ 9th	AN P	12 50 34	..	..	..	Do.	
	f	7 24 0	..	..	..		„ 2nd	S	2 55 12	..	..	..			S	12 55 44	..	..	..		
„ 28th	AN P	18 45 46	..	..	..			L	3 3 21	..	..	..			L	13 0 14	..	..	..		
	S	18 55 30	..	..	..			F	3 26 0	..	..	..			F	13 11 0	..	..	..		
	L	19 14 7	..	..	..			AE. P	2 48 26	..	..	..	Do.		AE P	12 50 34	..	..	..	Do.	
	M	19 22 38	13	3	..			S	2 55 12	..	..	..			S	12 55 44	..	..	..		
	F	20 2 0	..	..	..			L	3 3 21	..	..	..			L	13 0 14	..	..	..		
	AE P	18 45 46	..	..	..			F	3 26 0	..	..	..			F	13 11 0	..	..	..		
	S	18 55 30	..	..	..			AN e	3 34 0	..	..	..	Tremors.		AN e	17 3 0	..	..	..	Tremors.	
	L	19 14 7	..	..	..			f	3 58 0	..	..	..			f	17 38 0	..	..	..		
	M	19 22 0	15	..	4			AE e	3 34 0	..	..	..	Do.		AE e	17 3 0	..	..	..	Do.	
	F	20 2 0	..	..	..			f	3 58 0	..	..	..			f	17 38 0	..	..	..		
„ 29th	AN P	5 44 24	..	..	..	Feeble shock.		AN P	12 4 4	..	..	..		„ 15th	AN e	12 37 0	..	..	..	Do.	
	F	6 7 0	..	..	..			S	12 5 21	..	..	..			f	13 4 0	..	..	..		
	AE P	5 44 24	..	..	..	Do.		L	12 5 49	..	..	..			AE e	12 37 0	..	..	..	Do.	
	F	6 7 0	..	..	..			M	12 5 58	4	3	..			f	13 4 0	..	..	..		
„ 30th	AN P	7 55 51	..	..	..	Do.		F	12 18 0	..	..	..		„ 17th	AN P	12 22 13	..	..	..	Feeble shock.	
	S	7 56 57	..	..	..			AE P	12 4 4	..	..	..			S	12 27 55	..	..	..		
	L	7 57 16	..	..	..			S	12 5 21	..	..	..			L	12 33 26	..	..	..		
	F	8 9 0	..	..	..			L	12 5 49	..	..	..			F	13 5 0	..	..	..		
	AE P	7 55 51	..	..	..	Do.		M	12 5 57	4	..	3			AE P	12 22 13	..	..	..	Do.	
	S	7 56 57	..	..	..			F	12 18 0	..	..	..			S	12 27 55	..	..	..		
	L	7 57 16	..	..	..			AN P	17 44 25	..	..	..	Feeble shock.		L	12 33 26	..	..	..		
	F	8 9 0	..	..	..			S	17 46 25	..	..	..			F	13 5 0	..	..	..		
	AN e	12 16 0	..	..	..	Tremors.		L	17 47 13	..	..	..			AE P	12 22 13	..	..	..		
	f	12 44 0	..	..	..			F	18 10 0	..	..	..			S	12 27 55	..	..	..		

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE ( $\mu$ ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE ( $\mu$ ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE ( $\mu$ ).		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
June 17th	AN P	17 16 50	..	..	..	Feeble shock.	June 23rd	AN P	12 17 41	..	..	..	Feeble shock.	July 18th	AN P	11 35 10	..	..	..		
	S	17 23 21	..	..	..			F	12 48 0	..	..	..			S	11 45 4	..	..	..		
	L	17 30 55	..	..	..			AE P	12 17 41	..	..	..	Do.		L	12 2 8	..	..	..		
	F	17 59 0	..	..	..			F	12 48 0	..	..	..		M	12 6 30	17	9	..			
	AE P	17 16 50	..	..	..	Do.		AN P	23 50 17	..	..	..		F	13 6 0	..	..	..			
	S	17 23 21	..	..	..		" 24th	M	23 56 44	16	7	..		AE P	11 35 19	..	..	..			
	L	17 30 55	..	..	..			F	0 32 0	..	..	..		S	11 45 4	..	..	..			
	F	17 59 0	..	..	..		" 25th							L	12 2 8	..	..	..			
	AN P	13 2 7	..	..	..			AE P	23 50 17	..	..	..		M	12 11 20	14	..	7			
" 18th	S	13 4 50	..	..	..		" 24th	M	23 56 51	15	..	5		F	12 56 0	..	..	..			
	L	13 5 59	..	..	..			F	0 27 0	..	..	..		AN P	4 0 38	..	..	..			
	M	13 9 8	6	30	..		" 25th						S	4 8 48	..	..	..				
	F	13 47 0	..	..	..			AN e	0 49 0	..	..	..	Tremors.	L	4 21 4	..	..	..			
	AE P	13 2 7	..	..	..			f	1 8 0	..	..	..		F	4 59 0	..	..	..			
	S	13 4 50	..	..	..			AE e	0 50 0	..	..	..	Do.	AE P	4 0 38	..	..	..			
	L	13 5 59	..	..	..			f	1 7 0	..	..	..		S	4 8 48	..	..	..			
	M	13 9 16	7	..	25		" 27th	AN e	18 23 0	..	..	..	Do.	L	4 21 4	..	..	..			
	F	13 47 0	..	..	..			f	18 53 0	..	..	..		F	4 59 0	..	..	..			
	AN Pe	13 47 29	..	..	..			AE e	18 23 0	..	..	..	Do.	AN P	14 33 0	..	..	..			
	M	13 56 18	6	2	..			f	18 53 0	..	..	..		S	14 42 40	..	..	..			
	F	14 7 0	..	..	..			AN P	16 54 23	..	..	..	Do.	L	14 59 52	..	..	..			
	AE Pe	13 47 29	..	..	..		July 12th	S	17 1 23	..	..	..		F	15 47 0	..	..	..			
	M	13 56 34	7	..	2			L	17 10 23	..	..	..		AE	Record lost due to stoppage of driving clock.						
	F	14 7 0	..	..	..			M	17 20 24	15	4	..		AN P	12 45 26	..	..	..			
	AN e	16 21 0	..	..	..	Tremors.		F	17 49 0	..	..	..		S	12 49 49	..	..	..			
" 22nd	f	17 0 0	..	..	..			AE P	16 54 23	..	..	..		L	12 52 48	..	..	..			
	AE e	16 21 0	..	..	..	Do.		S	17 1 23	..	..	..		F	13 40 0	..	..	..			
	f	17 0 0	..	..	..			L	17 10 23	..	..	..		AE P	12 45 26	..	..	..			
	AN P	6 25 17	..	..	..			M	17 17 9	14	..	7		S	12 49 49	..	..	..			
" 23rd	S	6 34 6	..	..	..		" 15th	F	18 2 0	..	..	..		L	12 52 48	..	..	..			
	L	6 49 33	..	..	..			AN Pe	16 44 44	..	..	..		F	13 41 0	..	..	..			
	M	6 54 25	16	3	..			M	17 8 10	12	7	..		AN e	3 55 0	..	..	..	Tremors.		
	F	7 13 0	..	..	..			F	17 53 0	..	..	..		f	4 34 0	..	..	..	Do.		
	AE P	6 25 17	..	..	..			AE Pe	16 44 44	..	..	..		AN Pe	23 27 43	..	..	..			
	S	6 34 6	..	..	..			M	17 9 37	12	..	5		M	23 34 39	14	4	..			
	L	6 40 33	..	..	..			F	17 49 0	..	..	..		F	0 24 0	..	..	..			
	M	6 56 46	17	..	6																
	F	7 13 0	..	..	..																

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ). AN, AE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ). AN, AE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ). AN, AE.	REMARKS.	
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.				
July 28th	AE Pe	23 27 43	..	.. ..		Aug. 2nd	AE P	18 19 53	..	.. ..		Aug. 8th	AE P	4 12 18	..	.. ..		
	M	23 35 17	11	.. 2			S	18 21 42	..	.. ..			S	4 16 29	..	.. ..		
" 29th	F	0 29 0	..	.. ..			L	18 22 21	..	.. ..			L	4 19 10	..	.. ..		
	AN	Record lost owing to shift of zero (heavy rain).					M	18 23 40	6	.. 4			F	5 4 0	..	.. ..		
	AE Pe	11 43 44	..	.. ..			F	19 2 0	..	.. ..			AN P	8 59 3	..	.. ..	Feeble shock.	
	M	11 54 33	7	.. 1			AN Pe	22 12 42	..	.. ..	Feeble shock.		F	9 31 0	..	.. ..		
	F	12 32 0	..	.. ..			S	22 13 57	..	.. ..			AE P	8 59 3	..	.. ..	Do.	
	AN P	17 19 38	..	.. ..			L	22 14 26	..	.. ..			F	9 31 0	..	.. ..		
	S	17 23 5	..	.. ..			F	22 46 0	..	.. ..			AN Pe	10 28 2	..	.. ..		
	L	17 25 16	..	.. ..			AE Pe	22 12 42	..	.. ..	Do.	" 10th	M	10 38 28	10	4 ..		
	F	17 52 0	..	.. ..			S	22 13 57	..	.. ..			F	11 0 0	..	.. ..		
	AE P	17 19 38	..	.. ..			L	22 14 26	..	.. ..			AE Pe	10 28 2	..	.. ..		
	S	17 23 5	..	.. ..		" 4th	F	22 46 0	..	.. ..			M	10 38 37	7	.. 2		
	L	17 25 16	..	.. ..			AN Pe	5 44 34	..	.. ..	Do.		F	11 0 0	..	.. ..		
	F	17 57 0	..	.. ..			F	6 15 0	..	.. ..			AN P	21 25 5	..	.. ..		
Aug. 1st	AN e	10 57 0	..	.. ..	Tremors.		AE Pe	5 44 34	..	.. ..	Do.		S	21 30 19	..	.. ..		
	f	20 11 0	..	.. ..		" 6th	F	6 15 0	..	.. ..			L	21 34 45	..	.. ..		
	AE e	19 57 0	..	.. ..	Do.		AN e	18 38 0	..	.. ..	Tremors.		M	21 49 32	8	285 ..		
	f	20 11 0	..	.. ..			f	19 7 0	..	.. ..		" 11th	F	1 36 0	..	.. ..		
" 2nd	AN e	15 43 0	..	.. ..	Do.		AE e	18 38 0	..	.. ..	Do.		AE P	21 25 5	..	.. ..		
	f	15 55 0	..	.. ..		" 7th	f	19 7 0	..	.. ..		" 10th	S	21 30 19	..	.. ..		
	AE e	15 43 0	..	.. ..	Do.		AN P	2 23 30	..	.. ..	From Colaba No. I (AE).		L	21 34 45	..	.. ..		
	f	15 55 0	..	.. ..			S	2 32 14	..	.. ..		" 11th	M	21 51 9	9	.. 208		
	AN P	18 7 50	..	.. ..			L	2 46 44	..	.. ..			F	1 46 0	..	.. ..		
	S	18 9 39	..	.. ..			M	2 52 5	26	47 ..			AN P	7 15 45	..	.. ..	Do.	
	L	18 10 14	..	.. ..			F	5 21 0	..	.. ..			F	7 39 0	..	.. ..		
	M	18 12 59	8	2 ..			AE P	2 23 30	..	.. ..			AE P	7 15 45	..	.. ..	Do.	
	F	Mixed up with the next shock.					S	2 32 14	..	.. ..			F	7 39 0	..	.. ..		
	AE P	18 7 50	..	.. ..			L	2 46 44	..	.. ..			AN P	17 47 44	..	.. ..	Do.	
	S	18 9 39	..	.. ..			M	Record lost due to stoppage of clock.					F	18 6 0	..	.. ..	Do.	
	L	18 10 14	..	.. ..		" 8th	F	5 12 0	..	.. ..			AE P	17 47 44	..	.. ..	Do.	
	M	18 11 27	10	.. 3			AN	Record lost owing to shift of zero (heavy rain).					F	18 6 0	..	.. ..	Do.	
	F	Mixed up with the next shock.					AE e	1 8 0	..	.. ..	Tremors.		AN P	17 47 44	..	.. ..	Do.	
	AN P	18 10 53	..	.. ..			f	1 28 0	..	.. ..		" 12th	AE P	17 47 44	..	.. ..	Do.	
	S	18 21 42	..	.. ..			AN P	4 12 18	..	.. ..			F	1 33 0	..	.. ..		
	L	18 22 21	..	.. ..			S	4 16 29	..	.. ..			AE Pe	1 16 0	..	.. ..	Do.	
	M	18 25 29	6	4 ..			L	4 10 19	..	.. ..			f	1 33 0	..	.. ..		
	F	19 1 0	..	.. ..			F	5 4 0	..	.. ..					..	.. ..		

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE ( $\mu$ ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE ( $\mu$ ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE ( $\mu$ ).		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
		H. M. S.						H. M. S.							H. M. S.						
1931.							1931.							1931.							
Aug. 13th	AN c	23 3 0	..	..	..	Tremors.	Aug. 24th	AE P	21 38 12	..	..	..		Aug. 25th	AE P	10 11 58	..	..	..	Very feeble shock.	
	f	23 27 0	..	..	..			S	21 41 22	..	..	..			F	10 30 0	..	..	..		
	AE e	23 3 0	..	..	..	Do.		L	21 42 47	..	..	..			AN P	15 50 48	..	..	..	Feeble shock.	
	f	23 27 0	..	..	..			M	21 46 33	14	..	314			F	16 9 0	..	..	..		
								F	Mixed up with the next shock.												
15th	AN P	4 4 53	..	..	..			AN P	23 32 47	..	..	..			AE P	15 50 48	..	..	..	Do.	
	S	4 8 7	..	..	..			S	23 35 22	..	..	..			F	16 9 0	..	..	..		
	L	4 9 40	..	..	..			L	23 36 31	..	..	..			AN P	16 42 48	..	..	..	Do.	
	F	4 20 0	..	..	..		25th	M	23 30 24	12	14	..			F	17 3 0	..	..	..		
	AE P	4 4 53	..	..	..			F	0 29 0	..	..	..			AE P	16 42 48	..	..	..	Do.	
	S	4 8 7	..	..	..		24th	AE P	23 32 47	..	..	..			F	17 3 0	..	..	..	Do.	
	L	4 9 40	..	..	..			S	23 35 22	..	..	..			AN P	18 58 48	..	..	..	Do.	
	F	4 20 0	..	..	..			L	23 36 31	..	..	..			F	19 35 0	..	..	..		
	AE P	4 4 53	..	..	..		25th	M	23 38 17	5	..	12			AN P	18 58 48	..	..	..	Do.	
	S	4 8 7	..	..	..			F	0 29 0	..	..	..			F	19 35 0	..	..	..		
	L	4 9 40	..	..	..			AN P	0 33 47	..	..	..			AE P	18 58 48	..	..	..	Do.	
	F	4 20 0	..	..	..			M	0 41 42	7	6	..			F	19 35 0	..	..	..		
16th	AN e	12 29 0	..	..	..	Tremors.		F	Mixed up with the next shock.					AN e	21 43 0	..	..	..	Tremors.		
	f	13 22 0	..	..	..			AE P	0 33 47	..	..	..			f	21 59 0	..	..	..		
	AE e	12 29 0	..	..	..	Do.		M	0 41 37	6	..	3			AE e	21 43 0	..	..	..	Do.	
	f	13 22 0	..	..	..			F	Mixed up with the next shock.					f	21 59 0	..	..	..			
18th	AN P	14 27 25	..	..	..			AN P	0 57 17	..	..	..	Very feeble shock.	26th	AN P	0 32 49	..	..	..	Very feeble shock.	
	S	14 32 32	..	..	..			F	1 26 0	..	..	..			F	0 51 0	..	..	..		
	L	14 36 29	..	..	..			AE P	0 57 17	..	..	..	Do.		AE P	0 32 49	..	..	..	Do.	
	M	14 43 59	14	324	..			F	1 26 0	..	..	..			F	0 51 0	..	..	..		
	F	17 47 0	..	..	..			AN P	3 9 52	..	..	..			AN P	4 9 44	..	..	..	Do.	
	AE P	14 27 25	..	..	..			S	3 12 30	..	..	..			F	4 27 0	..	..	..		
	S	14 32 32	..	..	..			L	3 13 26	..	..	..			AE P	4 9 44	..	..	..	Do.	
	L	14 36 29	..	..	..			M	3 16 54	10	8	..			F	4 27 0	..	..	..		
	M	14 42 9	15	..	224			F	4 4 0	..	..	..			AN P	5 35 44	..	..	..	Do.	
	F	17 40 0	..	..	..			AE P	3 9 52	..	..	..			F	5 56 0	..	..	..		
	AN Pe	18 0 0	..	..	..	Very feeble shock.		S	3 12 30	..	..	..			AE P	5 35 44	..	..	..	Do.	
	F	18 39 0	..	..	..			L	3 13 26	..	..	..			F	5 56 0	..	..	..		
	AE Pe	18 0 0	..	..	..	Do.		M	3 17 22	12	..	7			AN e	6 24 0	..	..	..	Tremors.	
	F	18 49 0	..	..	..			F	4 4 0	..	..	..			f	6 38 0	..	..	..		
24th	AN P	21 38 12	..	..	..			AN P	10 11 58	..	..	..	Do.								
	S	21 41 22	..	..	..			F	10 30 0	..	..	..									
	L	21 42 47	..	..	..																
	M	21 46 17	14	410	..																
	F	Mixed up with the next shock.																			

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.					
Aug. 26th	AE e	6 24 0	..	..	..	Tremors.	Aug. 27th	AN e	8 43 0	..	..	..	Tremors.	Aug. 28th	AE Pe	0 44 30	..	..	..	
	f	6 38 0	..	..	..			f	9 12 0	..	..	..			M	0 51 33	9	..	13	
	AN P	8 1 50	..	..	..	Feeble shock.		AE e	8 43 0	..	..	..	Do.		F	1 31 0	..	..	..	
	F	8 30 0	..	..	..			f	9 12 0	..	..	..			AN P	3 22 46	..	..	..	Very feeble shock.
	AE P	8 1 50	..	..	..	Do.		AN P	15 30 12	..	..	..			F	3 42 0	..	..	..	
	F	8 30 0	..	..	..			S	15 32 50	..	..	..			AE P	3 22 46	..	..	..	Do.
	AN P	11 1 49	..	..	..	Slight shock.		L	15 34 5	..	..	..			F	3 45 0	..	..	..	
	F	11 28 0	..	..	..			M	15 41 12	20	816	..			AN P	7 51 46	..	..	..	Do.
	AE P	11 1 49	..	..	..	Do.		F	Mixed up with the next shock.					F	8 15 0	..	..	..	Do.	
	F	11 28 0	..	..	..			AE P	15 30 12	..	..	..			AE P	7 51 46	..	..	..	Do.
	AN P	15 22 15	..	..	..	Very feeble shock.		S	15 32 50	..	..	..			F	8 15 0	..	..	..	
	F	15 42 0	..	..	..			L	15 34 5	..	..	..			AN P	10 15 12	..	..	..	Feeble shock.
	AE P	15 22 15	..	..	..	Do.		M	15 42 30	14	..	305			F	10 42 0	..	..	..	
	F	15 42 0	..	..	..			F	Mixed up with the next shock.					AE P	10 15 12	..	..	..	Do.	
	AN P	19 34 57	..	..	..			AN P	18 4 45	..	..	..	Feeble shock.		F	10 42 0	..	..	..	
	M	19 39 36	14	8	..			F	Mixed up with the next shock.					AN e	15 21 0	..	..	..	Tremors.	
	F	20 35 0	..	..	..			AE P	18 4 45	..	..	..	Do.		f	15 32 0	..	..	..	
	AE P	19 34 57	..	..	..			F	Mixed up with the next shock.					AN e	15 21 0	..	..	..	Do.	
	M	19 39 44	9	..	4			AN P	18 47 45	..	..	..	Do.		f	15 32 0	..	..	..	
	F	20 32 0	..	..	..			F	19 35 0	..	..	..			AN e	18 16 0	..	..	..	Do.
	AN P	22 26 15	..	..	..	Very feeble shock.		AE P	18 47 45	..	..	..	Do.		f	18 39 0	..	..	..	
	F	22 49 0	..	..	..			F	19 35 0	..	..	..			AE e	18 16 0	..	..	..	Do.
	AE P	22 26 15	..	..	..	Do.		AN P	20 7 45	..	..	..	Very feeble shock.		f	18 39 0	..	..	..	
	F	22 49 0	..	..	..			F	20 42 0	..	..	..			AN P	19 42 40	..	..	..	
27th	AN e	4 31 0	..	..	..	Tremors.		AE P	20 7 45	..	..	..	Do.		S	19 45 20	..	..	..	
	f	5 5 0	..	..	..			F	20 42 0	..	..	..			L	19 46 47	..	..	..	
	AE e	4 31 0	..	..	..	Do.		AN e	21 16 0	..	..	..	Tremors.		M	19 50 36	8	12	..	
	f	5 5 0	..	..	..			f	21 35 0	..	..	..			F	20 26 0	..	..	..	
	AN P	7 21 44	..	..	..	Very feeble shock.		AE e	21 16 0	..	..	..	Do.		AE P	19 42 40	..	..	..	
	F	7 44 0	..	..	..			f	21 35 0	..	..	..			S	19 45 20	..	..	..	
	AE P	7 21 44	..	..	..	Do.	28th	AN Pe	0 44 30	..	..	..			L	19 46 47	..	..	..	
	F	7 44 0	..	..	..			M	0 53 12	8	11	..			M	19 47 10	7	..	12	
								F	1 35 0	..	..	..			F	20 28 0	..	..	..	
														AN P	21 28 24	..	..	..	Feeble shock.	
														F	21 56 0	..	..	..		



TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.					1931.		H. M. S.					
Aug. 28th	AE P	21 23 24	..	..	..	Feeble shock.	Aug. 30th	AE e	23 46 0	..	..	..	Tremors.	Sept. 3rd	AE P	17 36.47	..	..	..	Very feeble shock.
	F	21 56 0	..	..	..			f	23 50 0	..	..	..			F	17 49 0	..	..	..	
" 29th	AN P	1 54 48	..	..	..	Do.	" 31st	AN e	0 38 0	..	..	..	Do.		AN e	17 54 0	..	..	..	Tremors.
	F	Lost in shifting time.						f	0 53 0	..	..	..			f	18 13 0	..	..	..	
	AE P	1 54 48	..	..	..	Do.		AE e	0 38 0	..	..	..	Do.		AE e	17 54 0	..	..	..	Do.
	F	Lost in shifting time.						f	0 52 0	..	..	..			f	18 13 0	..	..	..	
	AN P	6 7 21	..	..	..	Very feeble shock.		AN e	4 34 0	..	..	..	Do.	" 4th	AN e	0 50 0	..	..	..	Do.
	F	6 33 0	..	..	..			f	4 55 0	..	..	..			f	1 25 0	..	..	..	
	AE P	6 7 21	..	..	..	Do.		AE e	4 34 0	..	..	..	Do.		AE e	0 50 0	..	..	..	Do.
	F	6 33 0	..	..	..			f	4 55 0	..	..	..			f	1 25 0	..	..	..	
	AN P	13 30 14	..	..	..	Do.	Sept. 2nd	AN e	6 24 0	..	..	..	Do.	" 5th	AN P	8 30 54	..	..	..	Feeble shock.
	F	13 57 0	..	..	..			f	6 47 0	..	..	..			F	8 51 0	..	..	..	
	AE P	13 30 14	..	..	..	Do.		AE e	6 24 0	..	..	..	Do.		AE P	8 30 54	..	..	..	Do.
	F	13 57 0	..	..	..			f	6 47 0	..	..	..			F	8 51 0	..	..	..	
	AN P	19 58 45	..	..	..	Do.		AN e	7 44 0	..	..	..	Do.	" 6th	AN P	5 43 4	..	..	..	Do.
	F	20 23 0	..	..	..			f	8 5 0	..	..	..			F	6 18 0	..	..	..	
	AE P	19 58 45	..	..	..	Do.		AE e	7 44 0	..	..	..	Do.		AE P	5 43 4	..	..	..	Do.
	F	20 23 0	..	..	..			f	8 5 0	..	..	..			F	6 18 0	..	..	..	
	AN P	20 40 22	..	..	..	Do.	" 3rd	AN e	14 54 47	..	..	..	Very feeble shock.		AN P	14 35 42	..	..	..	
	F	21 3 0	..	..	..			f	15 13 0	..	..	..			S	14 38 27	..	..	..	
	AE P	20 40 22	..	..	..	Do.		AE e	14 54 47	..	..	..	Do.		L	14 39 37	..	..	..	
	F	21 3 0	..	..	..			f	15 13 0	..	..	..			M	14 44 15	8	5	..	
	AN P	8 58 46	..	..	..	Do.		AN e	17 15 13	..	..	..			F	15 24 0	..	..	..	
	F	9 14 0	..	..	..			f	17 15 13	..	..	..			AE P	14 35 42	..	..	..	
	AE P	8 58 46	..	..	..	Do.		S	17 17 56	..	..	..			S	14 38 27	..	..	..	
	F	9 14 0	..	..	..			L	17 19 17	..	..	..			L	14 39 37	..	..	..	
	AN e	22 6 0	..	..	..	Tremors.		M	17 20 47	9	4	..			M	14 40 1	6	..	5	
	f	22 18 0	..	..	..			F	Mixed up with the next shock.						F	15 22 0	..	..	..	
	AE e	22 6 0	..	..	..	Do.		AN e	17 15 13	..	..	..		" 7th	AN P	21 17 39	..	..	..	
	f	22 18 0	..	..	..			S	17 17 56	..	..	..			S	21 20 14	..	..	..	
	AN e	23 46 0	..	..	..	Do.		L	17 19 17	..	..	..			L	21 21 19	..	..	..	
	f	23 59 0	..	..	..			M	17 21 1	10	..	3			F	21 50 0	..	..	..	
	AN e	23 46 0	..	..	..	Do.		F	Mixed up with the next shock.						AE P	21 17 39	..	..	..	
	f	23 59 0	..	..	..			AN e	17 36 47	..	..	..	Very feeble shock.		S	21 20 14	..	..	..	
								f	17 49 0	..	..	..			L	21 21 19	..	..	..	
															F	21 50 0	..	..	..	

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
Sept. 8th	AN P	16 16 40	..	..	..		Sept. 12th	AN P	2 5 25	..	..	..	Distant feeble shock.	Sept. 14th	AE P	3 36 10	..	..	..		
	S	16 19 20	..	..	..			F	3 11 0	..	..	..			S	3 39 22	..	..	..		
	L	16 20 25	..	..	..			AE P	2 5 25	..	..	..	Do.		L	3 41 1	..	..	..		
	F	16 53 0	..	..	..			F	3 11 0	..	..	..			F	4 27 0	..	..	..		
	AE P	16 16 40	..	..	..			AN P	12 34 25	..	..	..		„ 16th	AN P	10 44 37	..	..	..	Very feeble shock.	
	S	16 19 20	..	..	..			S	12 37 9	..	..	..			F	11 3 0	..	..	..		
	L	16 20 25	..	..	..			L	12 38 5	..	..	..			AE P	10 44 37	..	..	..	Do.	
	F	16 57 0	..	..	..			F	13 7 0	..	..	..			F	11 3 0	..	..	..		
	AN P	19 10 21	..	..	..	Distant feeble shock.		AE P	12 34 25	..	..	..			AN P	12 53 14	..	..	..		
	F	20 42 0	..	..	..			S	12 37 9	..	..	..			S	13 1 26	..	..	..		
	AE P	19 19 21	..	..	..	Do.		L	12 38 5	..	..	..			Le	13 14 58	..	..	..		
	F	20 42 0	..	..	..			F	13 7 0	..	..	..			F	13 43 0	..	..	..		
„ 9th	AN P	20 49 14	..	..	..			AN P	18 35 30	..	..	..			AE P	12 53 14	..	..	..		
	S	20 57 58	..	..	..			S	18 38 10	..	..	..			S	13 1 26	..	..	..		
	L	21 13 6	..	..	..			L	18 39 13	..	..	..			Le	13 14 58	..	..	..		
	F	22 55 0	..	..	..			F	19 16 0	..	..	..			F	13 43 0	..	..	..		
	AE P	20 49 14	..	..	..			AE P	18 35 30	..	..	..		„ 18th	AN P	18 2 24	..	..	..	Very feeble shock.	
	S	20 57 58	..	..	..			S	18 38 10	..	..	..			S	18 2 37	..	..	..		
	L	21 13 6	..	..	..			L	18 39 13	..	..	..			L	18 2 47	..	..	..		
	F	22 55 0	..	..	..			F	19 16 0	..	..	..			F	18 9 0	..	..	..		
„ 10th	AN P	22 30 46	..	..	..		„ 13th	AN e	3 39 0	..	..	..	Tremors.		AE P	18 2 24	..	..	..	Do.	
	S	22 33 30	..	..	..			f	3 54 0	..	..	..			S	18 2 37	..	..	..		
	L	22 34 31	..	..	..			AE e	3 39 0	..	..	..	Do.		L	18 2 47	..	..	..		
	F	23 16 0	..	..	..			f	3 54 0	..	..	..			F	18 9 0	..	..	..		
	AE P	22 30 46	..	..	..			AN e	4 30 0	..	..	..	Do.		AN P	19 0 57	..	..	..		
	S	22 33 30	..	..	..			f	4 53 0	..	..	..			S	19 3 34	..	..	..		
	L	22 34 31	..	..	..			AE e	4 30 0	..	..	..	Do.		L	19 4 42	..	..	..		
	F	23 16 0	..	..	..			f	4 53 0	..	..	..			F	19 34 0	..	..	..		
„ 11th	AN P	16 27 40	..	..	..	Very feeble shock.		AN P	5 30 46	..	..	..	Feeble shock.		AE P	19 0 57	..	..	..		
	F	16 54 0	..	..	..			F	6 21 0	..	..	..			S	19 3 34	..	..	..		
	AE P	16 27 40	..	..	..	Do.		AE P	5 30 46	..	..	..	Do.		L	19 4 42	..	..	..		
	F	16 54 0	..	..	..			F	6 21 0	..	..	..			F	10 34 0	..	..	..		
	AN e	23 20 0	..	..	..	Tremors.		AN P	3 36 10	..	..	..			AN P	21 56 47	..	..	..	Very feeble shock.	
	f	23 39 0	..	..	..		„ 14th	S	3 39 22	..	..	..			F	22 16 0	..	..	..		
	AE e	23 20 0	..	..	..	Do.		L	3 41 1	..	..	..			AE P	21 56 47	..	..	..	Do.	
	f	23 39 0	..	..	..			F	4 27 0	..	..	..			F	22 16 0	..	..	..		

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
Sept. 19th	AN P	7 59 30	..	..	..	Feeble shock.	Sept. 23rd	AN P	2 10 44	..	..	..	Feeble shock.	Sept. 28th	AE P	17 25 40	..	..	..	..	Feeble shock.
	F	8 45 0	..	..	..			F	2 36 0	..	..	..			F	18 31 0	..	..	..		
	AE P	7 59 30	..	..	..	Do.		AE P	2 10 44	..	..	..	Do.	„ 29th	AN P	5 24 8	..	..	..		
	F	8 45 0	..	..	..			F	2 37 0	..	..	..			S	5 31 38	..	..	..		
„ 20th	AN P	15 32 48	..	..	..	Do.	„ 25th	AN P	4 33 47	..	..	..	Do.		L	5 42 14	..	..	..		
	F	15 52 0	..	..	..			F	4 57 0	..	..	..			F	6 29 0	..	..	..		
	AE P	15 32 48	..	..	..	Do.		AE P	4 33 47	..	..	..	Do.		AE P	5 24 8	..	..	..		
	F	15 52 0	..	..	..			F	4 57 0	..	..	..			S	5 31 38	..	..	..		
	AN P	23 47 53	..	..	..	Do.		AN P	6 7 9	..	..	..			L	5 42 14	..	..	..		
„ 21st	F	0 24 9	..	..	..			S	6 13 2	..	..	..			F	6 29 0	..	..	..		
	AE P	23 47 53	..	..	..	Do.		L	6 18 55	..	..	..			AN e	9 56 0	..	..	..	Tremors.	
„ 20th	F	0 24 0	..	..	..			M	6 22 17	21	728	..			f	10 27 0	..	..	..		
„ 21st	AN P	2 30 16	..	..	..			F	11 42 0	..	..	..			AE e	9 56 0	..	..	..	Do.	
	S	2 38 24	..	..	..			AE P	6 7 9	..	..	..			f	10 27 0	..	..	..		
	L	2 51 2	..	..	..			S	6 13 2	..	..	..			AN P	11 17 45	..	..	..		
	M	2 55 34	14	13	..			L	6 18 55	..	..	..			S	11 20 24	..	..	..		
	F	4 49 0	..	..	..			M	6 21 47	20	..	296			L	11 21 30	..	..	..		
	AE P	2 30 16	..	..	..			F	10 29 0	..	..	..			M	11 24 36	8	6	..		
	S	2 38 24	..	..	..			AN P	16 57 47	..	..	..	Very feeble shock.		F	12 39 0	..	..	..		
	L	2 51 2	..	..	..			F	17 55 0	..	..	..			AE P	11 17 45	..	..	..		
	M	2 59 0	14	..	7			AE P	16 57 47	..	..	..	Do.		S	11 20 24	..	..	..		
	F	4 46 0	..	..	..			F	17 55 0	..	..	..			L	11 21 30	..	..	..		
	AN P	10 34 39	..	..	..			AN P	21 40 36	..	..	..			M	11 24 15	8	..	8		
	S	10 40 35	..	..	..			S	21 44 47	..	..	..			F	12 41 0	..	..	..		
	L	10 46 5	..	..	..			L	21 47 24	..	..	..			AN P	12 59 18	..	..	..		
	M	10 52 52	15	132	..			F	22 28 0	..	..	..			S	13 1 57	..	..	..		
	F	12 42 0	..	..	..			AE P	21 40 36	..	..	..			L	13 3 0	..	..	..		
	AE P	10 34 39	..	..	..			S	21 44 47	..	..	..			F	13 36 0	..	..	..		
	S	10 40 35	..	..	..			L	21 47 24	..	..	..			AE P	12 59 18	..	..	..		
	L	10 46 5	..	..	..			F	22 28 0	..	..	..			S	13 1 57	..	..	..		
	M	10 54 58	13	..	14		„ 26th	AN P	20 22 45	..	..	..	Distant shock.		L	13 3 0	..	..	..		
	F	12 29 0	..	..	..			F	22 26 0	..	..	..			F	13 36 0	..	..	..		
	AN e	13 52 0	..	..	..	Tremors.		AE P	20 22 45	..	..	..	Do.	Oct. 1st	AN Pe	12 8 32	..	..	..	Distant feeble shock.	
	f	15 0 0	..	..	..			F	22 25 0	..	..	..			F	13 51 0	..	..	..		
	AE e	13 52 0	..	..	..	Do.	„ 28th	AN P	17 25 40	..	..	..	Feeble shock.		AE Pe	12 8 32	..	..	..	Do.	
	f	15 0 0	..	..	..			F	18 31 0	..	..	..			F	13 51 0	..	..	..		

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
Oct. 2nd	AN P	14 23 49	..	..	..		Oct. 4th	AN e	10 5 0	..	..	..	Tremors.	Oct. 9th	AE P	6 11 18	..	..	..		
	S	14 28 19	..	..	..			f	10 42 0	..	..	..			S	6 15 10	..	..	..		
	L	14 31 29	..	..	..			AE e	10 5 0	..	..	..	Do.		L	6 17 25	..	..	..		
	F	15 7 0	..	..	..			f	10 42 0	..	..	..		M	6 19 35	16	..	5			
	AE P	14 23 49	..	..	..			AN P	22 43 24	..	..	..	Very feeble shock.		F	7 27 0	..	..	..		
	S	14 28 19	..	..	..			F	23 31 0	..	..	..		AN Pe	15 43 0	..	..	..	Very feeble shock.		
	L	14 31 29	..	..	..			AE P	22 43 24	..	..	..	Do.	F	15 55 0	..	..	..			
	F	15 7 0	..	..	..			F	23 31 0	..	..	..		AN Pe	15 55 0	..	..	..	Do.		
" 3rd	AN Pe	10 35 4	..	..	..		" 5th	AN P	4 56 10	..	..	..	Do.	" 10th	AN P	0 34 4	..	..	..		
	S	10 41 28	..	..	..			F	5 52 0	..	..	..		S	0 44 37	..	..	..			
	L	10 47 7	..	..	..			AE P	4 56 10	..	..	..		L	1 6 1	..	..	..			
	F	11 35 0	..	..	..			F	5 52 0	..	..	..		M	1 9 45	25	123	..			
	AE Pe	10 35 4	..	..	..			AN P	22 35 24	..	..	..		F	7 8 0	..	..	..			
	S	10 41 28	..	..	..			S	22 38 37	..	..	..		AN P	0 34 4	..	..	..			
	L	10 47 7	..	..	..			L	22 39 53	..	..	..		S	0 44 37	..	..	..			
	F	11 34 0	..	..	..			M	22 48 28	8	12	..		L	1 6 1	..	..	..			
	AN Pe	17 31 0	..	..	..	Very feeble shock.	" 6th	F	0 28 0	..	..	..		M	1 22 48	19	..	60			
	F	17 45 0	..	..	..			AE P	22 35 24	..	..	..		F	7 8 0	..	..	..			
	AE Pe	17 31 0	..	..	..	Do.	" 5th	S	22 38 37	..	..	..		AN e	7 32 0	..	..	..	Tremors.		
	F	17 45 0	..	..	..			L	22 39 53	..	..	..		f	8 50 0	..	..	..			
	AN P	19 26 41	..	..	..		" 6th	M	22 42 10	0	0	19		AE e	7 32 0	..	..	..	Do.		
	S	19 37 43	..	..	..			F	0 31 0	..	..	..		f	8 50 0	..	..	..			
	L	20 0 21	..	..	..			AN P	17 59 57	..	..	..	Do.	AN P	16 57 43	..	..	..			
" 4th	M	20 26 30	15	63	..			F	10 38 0	..	..	..		M	17 18 31	11	8	..			
	F	3 33 0	..	..	..			AE P	17 59 57	..	..	..	Do.	F	18 20 0	..	..	..			
" 3rd	AE P	10 26 41	..	..	..			F	10 38 0	..	..	..		AN P	16 57 43	..	..	..			
	S	10 37 43	..	..	..			AN Pe	21 18 50	..	..	..	Do.	M	17 20 38	18	..	8			
	L	20 0 21	..	..	..			F	21 48 0	..	..	..		F	18 23 0	..	..	..			
	M	20 13 21	19	..	104			AE Pe	21 18 50	..	..	..	Do.	AN P	0 41 33	..	..	..	Very feeble shock.		
" 4th	F	3 34 0	..	..	..			F	21 53 0	..	..	..	Do.	F	1 4 0	..	..	..			
	AN P	11 28 15	..	..	..		" 9th	AN P	6 11 18	..	..	..		AE P	0 41 33	..	..	..	Do.		
	S	11 31 55	..	..	..			S	6 15 10	..	..	..		F	1 2 0	..	..	..			
	L	11 34 10	..	..	..			L	6 17 25	..	..	..		AN e	1 1 0	..	..	..	Tremors.		
	M	11 37 8	0	0	14			M	6 25 17	16	4	..		f	1 27 0	..	..	..			
	F	12 9 0	..	..	..			F	7 29 0	..	..	..		AE e	1 1 0	..	..	..	Do.		
	AE P	11 28 15	..	..	..					..	..	..		f	1 29 0	..	..	..			

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.		H. M. S.					1931.		H. M. S.					
Oct. 12th	AN e	3 47 0	..	..	..	Tremors.	Oct. 18th	AN P	7 12 0	..	..	..		Oct. 24th	AE e	2 59 0	..	..	..	Tremors.	
	f	4 33 0	..	..	..			S	7 16 36	..	..	..			f	3 22 0	..	..	..		
	AE e	3 47 0	..	..	..	Do.		L	7 19 52	..	..	..			AN e	4 48 0	..	..	..	Do.	
	f	4 29 0	..	..	..			M	7 20 12	7	6	..			f	5 10 0	..	..	..		
	AN P	13 50 2	..	..	..	Very feeble shock.		F	8 5 0	..	..	..			AE e	4 48 0	..	..	..	Do.	
	F	14 44 0	..	..	..			AB P	7 12 9	..	..	..			f	5 10 0	..	..	..		
	AE P	13 50 2	..	..	..	Do.		S	7 16 36	..	..	..			AN P	11 48 17	..	..	..	Distant feeble shock.	
	F	14 43 0	..	..	..			L	7 19 52	..	..	..			F	13 29 0	..	..	..		
" 13th	AN e	5 16 0	..	..	..	Tremors.	" 20th	AN P	16 4 49	..	..	..	Very feeble shock.		AE P	11 48 17	..	..	..	Do.	
	f	6 17 0	..	..	..			F	16 37 0	..	..	..			F	13 33 0	..	..	..		
	AE e	5 16 0	..	..	..	Do.		AE P	16 4 49	..	..	..	Do.								
	f	6 17 0	..	..	..			F	16 37 0	..	..	..			AN e	5 24 0	..	..	..	Tremors.	
	AN e	11 20 0	..	..	..	Do.	" 23rd	AN P	0 53 16	..	..	..	Feeble local shock.	" 26th	f	6 21 0	..	..	..	Do.	
	f	12 36 0	..	..	..			F	1 2 0	..	..	..			AE e	5 24 0	..	..	..		
	AE e	11 20 0	..	..	..	Do.		AE P	0 53 16	..	..	..	Do.		f	6 21 0	..	..	..		
	f	12 36 0	..	..	..			F	1 2 0	..	..	..			AN P	12 6 47	..	..	..	Feeble shock.	
" 14th	AN e	21 13 0	..	..	..	Do.		AN P	3 0 27	..	..	..	Do.		F	13 27 0	..	..	..		
	f	22 22 0	..	..	..			S	3 0 28	..	..	..			AE P	12 6 47	..	..	..	Do.	
	AE e	21 13 0	..	..	..	Do.		L	3 0 47	..	..	..			F	13 27 0	..	..	..		
	f	22 22 0	..	..	..			F	3 6 0	..	..	..			AN P	14 51 17	..	..	..	Do.	
" 16th	AN e	13 7 0	..	..	..	Do.		AE P	3 0 27	..	..	..	Do.		F	15 53 0	..	..	..		
	f	14 2 0	..	..	..			S	3 0 38	..	..	..			AN P	14 51 17	..	..	..	Do.	
	AE e	13 7 0	..	..	..	Do.		L	3 0 47	..	..	..			F	15 53 0	..	..	..		
	f	14 2 0	..	..	..			F	3 6 0	..	..	..			AE P	14 51 17	..	..	..	Do.	
" 18th	AN Pe	0 31 22	..	..	..	Distant feeble shock.		AN P	12 1 44	..	..	..	Feeble shock.		F	15 53 0	..	..	..		
	F	2 58 0	..	..	..			F	13 21 0	..	..	..			AN P	18 32 57	..	..	..	Feeble local shock.	
	AE Pe	0 31 22	..	..	..	Do.		AE P	12 1 44	..	..	..	Do.		F	18 36 0	..	..	..		
	F	2 58 0	..	..	..			F	13 21 0	..	..	..			AE P	18 32 57	..	..	..	Do.	
	AN P	4 38 31	..	..	..	Feeble shock.		AN P	20 18 11	..	..	..	Do.		F	18 36 0	..	..	..		
	F	6 34 0	..	..	..			F	22 6 0	..	..	..			AN P	19 59 34	..	..	..	Feeble shock.	
	AE P	4 38 31	..	..	..	Do.	" 24th	AN e	2 59 0	..	..	..	Tremors.		F	20 32 0	..	..	..		
	F	6 40 0	..	..	..			f	3 22 0	..	..	..			AE P	19 59 34	..	..	..	Do.	



TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.					
Nov. 5th	AE P	12 25 54	..	..	..		Nov. 17th	AN P	9 52 30	..	..	..	Very feeble shock.	Nov. 26th	AN e	12 18 0	..	..	..	Tremors.
	S	12 30 58	..	..	..			F	10 22 0	..	..	..			f	14 2 0	..	..	..	
	L	12 35 16	..	..	..			AE P	9 52 30	..	..	..	Do.		AE e	12 18 0	..	..	..	Do.
	M	12 40 1	17	..	54			F	10 22 0	..	..	..		f..	14 2 0	..	..	..		
	F	14 38 0	..	..	..															
„ 6th	AN e	0 1 0	..	..	..	Tremors.	„ 18th	AN P	3 50 44	..	..	..	Feeble dis- tant shock.	„ 20th	AN P	10 57 57	..	..	..	
	f	0 24 0	..	..	..			F	6 9 0	..	..	..			S	20 2 24	..	..	..	
	AE e	0 1 0	..	..	..	Do.		AE P	3 50 44	..	..	..			L	20 5 25	..	..	..	
	f	0 24 0	..	..	..			F	6 9 0	..	..	..			F	20 28 0	..	..	..	
„ 7th	AN Pe	5 9 7	..	..	..	Very feeble shock.	„ 20th	AN P	10 55 21	..	..	..	Feeble shock.		AE P	19 57 57	..	..	..	
	F	5 37 0	..	..	..			F	11 35 0	..	..	..			S	20 2 24	..	..	..	
	AE Pe	5 9 7	..	..	..	Do.		AE P	10 55 21	..	..	..	Do.		L	20 5 25	..	..	..	
	F	5 38 0	..	..	..			F	11 35 0	..	..	..			F	20 28 0	..	..	..	
„ 13th	AN P	1 15 45	..	..	..			AN P	14 29 42	..	..	..		„ 30th	AN P	17 7 33	..	..	..	Feeble shock.
	S	1 18 6	..	..	..			S	14 40 6	..	..	..			S	17 11 35	..	..	..	
	L	1 19 6	..	..	..			L	14 59 19	..	..	..			L	17 13 43	..	..	..	
	F	1 40 0	..	..	..			M	15 29 57	16	5	..			F	17 48 0	..	..	..	
	AE P	1 15 45	..	..	..			F	17 27 0	..	..	..			AE P	17 7 33	..	..	..	Do.
	S	1 18 6	..	..	..			AE P	14 29 42	..	..	..			S	17 11 35	..	..	..	
	L	1 19 6	..	..	..			S	14 40 6	..	..	..			L	17 13 43	..	..	..	
	F	1 40 0	..	..	..			L	14 59 19	..	..	..			F	17 48 0	..	..	..	
„ 15th	AN P	5 8 4	..	..	..	Feeble shock.		M	15 7 2	29	..	18			AN P	23 48 5	..	..	..	Very feeble shock.
	F	5 38 0	..	..	..		„ 21st	F	17 30 0	..	..	..			F	0 7 0	..	..	..	
	AE P	5 8 4	..	..	..	Do.		AN e	18 2 0	..	..	..	Tremors.	Nov. 30th	AE P	23 48 5	..	..	..	Do.
	F	5 38 0	..	..	..			f	18 30 0	..	..	..		Dec. 1st	F	0 7 0	..	..	..	
„ 16th	AN P	2 53 23	..	..	..	Very feeble shock.	„ 23rd	AE e	18 2 0	..	..	..	Do.		AN P	3 40 10	..	..	..	Distant feeble shock.
	F	3 42 0	..	..	..			f	18 31 0	..	..	..			F	6 0 0	..	..	..	
	AE P	2 53 23	..	..	..	Do.		AN e	13 39 0	..	..	..	Do.		AE P	3 40 10	..	..	..	Do.
	F	3 41 0	..	..	..			f	14 24 0	..	..	..			F	6 0 0	..	..	..	
	AN P	8 29 18	..	..	..	Do.	„ 24th	AN P	9 16 15	..	..	..	Feeble shock.		AN P	18 37 40	..	..	..	Do.
	F	9 22 0	..	..	..			F	10 13 0	..	..	..			F	20 46 0	..	..	..	
	AE P	8 29 18	..	..	..	Do.		AE P	9 16 15	..	..	..	Do.		AE P	18 37 40	..	..	..	Do.
	F	9 22 0	..	..	..			F	10 13 0	..	..	..			F	20 46 0	..	..	..	

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.					1931.		H. M. S.					
Dec. 2nd	AN e	21 57 0	...	.. ..	Tremors.	Dec. 14th	AN P	0 24 47	.. ..	.. ..	Very feeble shock.	Dec. 19th	AN P	18 5 36	.. ..	.. ..	.. ..	.. ..	.. ..	Very feeble shock.
	f	22 40 0	...	.. ..			F	0 52 0	.. ..	.. ..			F	18 30 0	.. ..	.. ..	.. ..	.. ..		
	AE e	21 57 0	...	.. ..	Do.		AE P	0 24 47	.. ..	.. ..	Do.		AE P	18 5 36	.. ..	.. ..	.. ..	.. ..	.. ..	Do.
	f	22 40 0	...	.. ..			F	0 52 0	.. ..	.. ..			F	18 30 0	.. ..	.. ..	.. ..	.. ..		
" 6th	AN e	4 30 0	.. ..	.. ..	Do.		AN P	19 33 47	.. ..	.. ..	Do.	" 20th	AN e	23 44 0	.. ..	.. ..	.. ..	.. ..	.. ..	Tremors.
	f	5 31 0	.. ..	.. ..			F	20 30 0	.. ..	.. ..		" 21st	f	0 9 0	.. ..	.. ..	.. ..	.. ..		
	AE e	4 30 0	.. ..	.. ..	Do.		AE P	19 33 47	.. ..	.. ..	Do.	" 20th	AE e	23 44 0	.. ..	.. ..	.. ..	.. ..	.. ..	
	f	5 31 0	.. ..	.. ..			F	20 30 0	.. ..	.. ..		" 21st	f	0 9 0	.. ..	.. ..	.. ..	.. ..		
	AN P	23 8 59	.. ..	.. ..		" 15th	AN P	1 37 15	.. ..	.. ..	Feeble shock.		AN P	18 50 20	.. ..	.. ..	.. ..	.. ..	.. ..	Very feeble shock.
	S	23 12 40	.. ..	.. ..			F	2 1 0	.. ..	.. ..			F	19 3 0	.. ..	.. ..	.. ..	.. ..		
	L	23 14 44	.. ..	.. ..			AE P	1 37 15	.. ..	.. ..	Do.		AE P	18 50 20	.. ..	.. ..	.. ..	.. ..	.. ..	Do.
	M	23 18 12	11	5 ..			F	2 1 0	.. ..	.. ..			F	19 3 0	.. ..	.. ..	.. ..	.. ..		
" 7th	F	0 25 0	.. ..	.. ..					.. ..	.. ..					.. ..	.. ..	.. ..	.. ..		
" 6th	AE P	23 8 59	.. ..	.. ..		" 16th	AN e	19 39 0	.. ..	.. ..	Tremors.	" 24th	AN e	23 12 0	.. ..	.. ..	.. ..	.. ..	.. ..	Do.
	S	23 12 40	.. ..	.. ..			f	20 1 0	.. ..	.. ..			f	23 36 0	.. ..	.. ..	.. ..	.. ..		
	L	23 14 44	.. ..	.. ..			AE e	19 39 0	.. ..	.. ..	Do.		AE e	23 12 0	.. ..	.. ..	.. ..	.. ..	.. ..	Do.
	M	23 19 14	9	.. 3			f	20 1 0	.. ..	.. ..			f	23 36 0	.. ..	.. ..	.. ..	.. ..		
" 7th	F	0 17 0	.. ..	.. ..		" 17th	AN P	21 37 50	.. ..	.. ..	Very feeble shock.	" 25th	AN Pe	3 17 42	.. ..	.. ..	.. ..	.. ..	.. ..	Feeble shock.
	AN e	19 25 0	.. ..	.. ..	Tremors.		F	21 59 0	.. ..	.. ..			F	5 4 0	.. ..	.. ..	.. ..	.. ..		
	f	20 20 0	.. ..	.. ..			AE P	21 37 50	.. ..	.. ..	Do.		AE Pe	3 17 42	.. ..	.. ..	.. ..	.. ..	.. ..	Do.
	AE e	19 25 0	.. ..	.. ..	Do.		F	21 59 0	.. ..	.. ..			F	5 4 0	.. ..	.. ..	.. ..	.. ..		
	f	20 20 0	.. ..	.. ..		" 18th	AN P	2 11 44	.. ..	.. ..	Do.	" 28th	AN P	9 24 5	.. ..	.. ..	.. ..	.. ..	.. ..	Do.
" 8th	AN e	20 1 0	.. ..	.. ..	Do.		F	2 40 0	.. ..	.. ..			F	10 6 0	.. ..	.. ..	.. ..	.. ..		
	f	20 17 0	.. ..	.. ..			AE P	2 11 44	.. ..	.. ..	Do.		AE P	9 24 5	.. ..	.. ..	.. ..	.. ..	.. ..	Do.
	AE e	20 1 0	.. ..	.. ..	Do.		F	2 40 0	.. ..	.. ..			F	10 6 0	.. ..	.. ..	.. ..	.. ..		
	f	20 17 0	.. ..	.. ..		" 10th	AN P	9 56 39	.. ..	.. ..	Very feeble shock.		AN P	21 35 52	.. ..	.. ..	.. ..	.. ..	.. ..	Do.
	AN Pe	15 21 45	.. ..	.. ..			S	10 2 39	.. ..	.. ..			F	22 38 0	.. ..	.. ..	.. ..	.. ..		
	f	15 43 0	.. ..	.. ..			L	10 8 4	.. ..	.. ..			AE P	21 35 52	.. ..	.. ..	.. ..	.. ..	Do.	
	AE Pe	15 21 45	.. ..	.. ..	Do.		M	10 13 12	16	14 ..			F	22 38 0	.. ..	.. ..	.. ..	.. ..		
	f	15 43 0	.. ..	.. ..			F	13 25 0	.. ..	.. ..					.. ..	.. ..	.. ..	.. ..		
" 11th	AN P	14 26 31	.. ..	.. ..	Do.		AE P	9 56 39	.. ..	.. ..		" 20th	AN P	16 46 9	.. ..	.. ..	.. ..	.. ..	.. ..	Do.
	F	15 17 0	.. ..	.. ..			S	10 2 39	.. ..	.. ..			F	18 6 0	.. ..	.. ..	.. ..	.. ..		
	AE P	14 26 31	.. ..	.. ..	Do.		L	10 8 4	.. ..	.. ..			AE P	16 46 9	.. ..	.. ..	.. ..	.. ..	Do.	
	f	15 17 0	.. ..	.. ..			M	10 13 8	13	.. 11			F	18 6 0	.. ..	.. ..	.. ..	.. ..		
							F	13 20 0	.. ..	.. ..					.. ..	.. ..	.. ..	.. ..		



STATION - CALCUTTA (ALPORA)

TABLE E 2—concl'd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.					1931.		H. M. S.					
Dec. 30th	AN e	1 25 0	..	..	..	Tremors.	Dec. 31st	AN P	0 30 30	..	..	..	Dec. 31st	AE P	0 30 39	..	..	..	..	
	f	1 45 0	..	..	..			S	0 36 15	..	..	..		S	0 36 15	..	..	..	..	
	AE e	1 25 0	..	..	..	Do.		L	0 41 21	..	..	..		L	0 41 21	..	..	..	..	
	f	1 45 0	..	..	..			F	3 5 0	..	..	..		F	3 13 0	..	..	..	..	

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$\phi=22^{\circ} 32' N$ ;  $\lambda=88^{\circ} 20' E$ ;  $h=7.1$  m. *Subsoil—Alluvial.*

*Apparatus:—Omori—Ewing Horizontal Pendulum Seismographs and Milne Shaw Seismograph.*

TABLE E 3.

						V	To	G	$\frac{1}{To^2}$											
Milne Shaw—AN						250	12 Secs.	20.1	..											
Omori AN						29	20 Secs.	..	..											
AN						20	30 Secs.	..	..											
Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLITUDE. ( $\mu$ )	$\Delta$ Distance (Km.)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLITUDE. ( $\mu$ )	$\Delta$ Distance (Km.)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLITUDE. ( $\mu$ )	$\Delta$ Distance (Km.)	REMARKS.
1931.		H. M. S.		AN. AE.			1931.		H. M. S.		AN. AE.			1931.		H. M. S.		AN. AE.		
Jan. 1st	P	23 58 49	5	.. ..	2880	Milne shaw Seismograph (AN).	Jan. 15th	P	2 10 32	7	.. ..	14400		Jan. 20th	P	16 30 49	3	.. ..	1600	Milne shaw Seismograph (AN).
" 2nd	L	0 6 13	9	.. ..	..	Slight shock	A-N Instt.	L	2 54 2	22	.. ..	..	Omori Seismographs Great distant shock.	"	L	16 34 43	6	.. ..	..	Slight shock.
	EF.	1 1 13	..	.. ..	..			M	3 1 22	..	1104 ..	..		"	F	17 20 53	..	.. ..	..	
" 4th	P	4 47 59	Uncertain	.. ..	960	Milne shaw Seismograph (AN).	Jan. 15th	EP	21 9 34	Uncertain	.. ..	4640	Milne shaw Seismograph (AN).	" 20th	P	23 52 7	5	.. ..	4640	Do.
	L	4 50 13	5	.. ..	..	Slight shock.		L	21 23 24	15	.. ..	..	Slight shock.	"	S	23 58 25	8	.. ..	..	Do.
	EF.	5 21 13	..	.. ..	..			F	Uncertain	..	.. ..	..		" 21st	EF	0 38 25	..	.. ..	..	
	P	23 49 34	3	.. ..	960	Milne shaw Seismograph (AN).	" 15th	P	22 54 24	4	.. ..	5920	Milne shaw Seismograph (AN).	" 24th	P	13 49 2	5	.. ..	4000	Do.
	L	23 51 59	6	.. ..	..	Slight shock.		S	23 1 56	0	.. ..	..	Slight shock.	"	S	13 54 57	7	.. ..	..	Do.
" 5th	EF	0 11 59	..	.. ..	..			EL	23 10 36	13	.. ..	..		"	L	14 0 32	9	.. ..	..	
" 7th	P	2 2 44	3	.. ..	800	Milne shaw Seismograph (AN).	" 16th	EF	0 30 36	..	.. ..	..		" 26th	P	22 30 8	Uncertain	.. ..	1120	Omori Seismograph very slight shock.
	L	2 4 29	9	.. ..	..	Slight shock.		P	19 42 30	2	.. ..	12060	Do.	A-E Instt.	L	22 32 56	7	.. ..	..	
	F	Uncertain	..	.. ..	..			S	19 55 25	5	.. ..	..	Do.	"	EF	22 44 56	..	.. ..	..	
" 9th	P	7 27 44	1	.. ..	320	Milne shaw Seismograph (AN).		L	20 27 40	Uncertain	.. ..	..		Jan. 25th	P	22 30 16	4	.. ..	..	
	L	7 28 33	3	.. ..	..	Slight shock	" 17th	F	21 38 50	..	.. ..	..		A-N Instt.	L	22 33 16	6	.. ..	..	
	F	Uncertain	..	.. ..	..			F	5 6 0	..	.. ..	..		"	F	Uncertain	..	.. ..	..	
" 12th	P	20 45 40	3	.. ..	7200	Milne shaw Seismograph (AN).	" 18th	P	13 13 13	1	.. ..	320	Omori Seismograph.	Jan. 27th	P	20 11 16	13	.. ..	640	Do.
	S	20 54 16	5	.. ..	..	Slight shock.	A-E Instt.	L	13 14 3	2	.. ..	..	Slight shock.	"	L	20 12 46	17	.. ..	..	Great shock
	L	21 8 40	Uncertain	.. ..	..			EF	13 26 3	..	.. ..	..		"	M	20 13 31	..	.. ..	2415	..
	EF	22 1 46	..	.. ..	..		Jan. 18th	P	13 13 18	1	.. ..	320	Do.	"	EF	20 15 6	..	.. ..	..	
" 15th	P	2 10 31	8	.. ..	14400	Omori Seismographs Great distant shock.	A-N Instt.	L	13 14 12	2	.. ..	..	Do.	Jan. 27th	P	20 11 17	9	.. ..	..	Do.
A-E Instt.	S	2 24 29	Uncertain	.. ..	..			EF	13 25 12	..	.. ..	..	Do.	A-N Instt.	L	20 12 55	20	.. ..	..	Do.
	L	2 56 47	24	.. ..	..		Jan. 20th	P	9 31 43	3	.. ..	1440	Milne shaw Seismograph (AN).	"	M	20 14 5	..	2701 ..	..	
	M <sup>1</sup>	3 6 0	..	..	1415	..		L	9 35 28	6	.. ..	..	Slight shock.	Jan. 28th	P	20 36 4	4	.. ..	800	Milne shaw Seismograph (AN).
	M <sup>2</sup>	3 9 20	..	..	1553	..		F	Uncertain	..	.. ..	..		"	L	20 37 56	6	.. ..	..	Slight shock.
	F	4 21 20	..	.. ..	..									"	F	21 3 58	..	.. ..	..	



















TABLE E 3 -concl'd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		$\Delta$ Distance (Km.).	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		$\Delta$ Distance (Km.).	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. ( $\mu$ )		$\Delta$ Distance (Km.).	REMARKS.	
				AN.	AE.							AN.	AE.							AN.	AE.			
1931.		H. M. S.						1931.		H. M. S.						1931.		H. M. S.						
Nov. 13th	P	7 11 3	Un- certain	.. ..	480	Milne shaw seismograph (AN) slight shock.	Dec. 6th	P	23 4 40	2	.. ..	1920	Milne shaw seismograph (AN) slight shock.	Dec. 22nd	P	13 21 23	Un- certain	.. ..	3040	Milne shaw seismograph (AN) slight shock.				
	S	7 11 48	2	.. ..	..	Slight shock.		S	23 8 0	4	.. ..	..			S	13 26 5	5	.. ..	..					
	L	7 12 3	4	.. ..	..			L	23 10 2	8	.. ..	..			L	13 29 35	8	.. ..	..					
	F	Uncertain	..	.. ..	..			eF	0 1 2	..	.. ..	..			F	Uncertain	..	.. ..	..					
" 15th	P	4 59 38	3	.. ..	800	Do.	" 8th	P	20 0 40	3	.. ..	800	Do.	" 24th	P	23 7 58	3	.. ..	4320	Do.				
	S	5 0 53	4	.. ..	..	Do.		S	20 2 9	Un- certain	.. ..	..	Do.		S	23 14 0	4	.. ..	..	Do.				
	L	5 1 38	8	.. ..	..			L	20 2 43	0	.. ..	..		L	23 19 58	6	.. ..	..						
	eF	5 33 38	..	.. ..	..			F	Uncertain	..	.. ..	..		eF	23 33 18	..	.. ..	..						
" 20th	P	14 28 28	3	.. ..	6400	Do.	" 10th	P	15 18 32	Un- certain	.. ..	400	Do.	" 25th	P	3 15 54	2	.. ..	4160	Do.				
	S	14 36 43	5	.. ..	..	Do.		S	15 19 13	"	.. ..	..	Do.		S	3 21 50	3	.. ..	..	Do.				
	L	14 48 9	9	.. ..	..			L	15 19 22	3	.. ..	..		L	3 27 43	5	.. ..	..						
	F	16 9 24	..	.. ..	..			F	15 30 22	..	.. ..	..		eF	4 19 54	..	.. ..	..						
" 29th	P	19 59 50	3	.. ..	800	Do.	" 18th	P	9 55 54	4	.. ..	3520	Do.	" 27th	P	2 1 40	6	.. ..	1600	Do.				
	S	20 1 23	5	.. ..	..	Do.		S	10 1 9	6	.. ..	..	Do.		S	2 4 24	8	.. ..	..	Do.				
	L	20 1 57	7	.. ..	..			L	10 10 54	8	.. ..	..		L	2 5 40	12	.. ..	..						
	eF	20 24 27	..	.. ..	..			F	Uncertain	..	.. ..	..		F	Uncertain	..	.. ..	..						
" 30th	P	17 3 34	2	.. ..	560	Do.	" 21st	P	18 43 48	2	.. ..	560	Do.	" 31st	P	0 31 44	4	.. ..	6400	Do.				
	S	17 4 31	3	.. ..	..	Do.		S	18 44 41	3	.. ..	..	Do.		S	0 39 44	5	.. ..	..	Do.				
	L	17 4 49	4	.. ..	..			L	18 45 3	4	.. ..	..		L	0 52 29	7	.. ..	..						
	F	17 32 29	..	.. ..	..			F	18 51 15	..	.. ..	..		F	Uncertain	..	.. ..	..						

S. N. SEN,  
Meteorologist,  
Calcutta.

STATION—KODAIKANAL.

$\phi=10^{\circ} 13' 50''$ ;  $\lambda=77^{\circ} 28' 00''$ ;  $h=2343$  m. *Subsoil—Rock.*

*Apparatus—Milne's Horizontal Pendulum Seismograph.*

TABLE E 4.

AE						V	To	C	$\frac{r}{To^2}$	Months.
						9.76	19.0	1	2.5	January & June.
						9.76	18.8	1	2.5	February.
						9.76	18.8	1	2.6	March.
						9.76	18.6	1	2.5	April.
						9.76	18.9	1	2.5	May.
						9.76	18.7	1	2.5	July.
						9.76	18.0	1	3.0	August.
						9.76	17.7	1	2.3	September.
						9.76	17.5	1	2.8	October.
						9.76	17.9	1	2.8	November & December.

  

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. ( $\mu$ )	REMARKS.
		H. M. S.		AE.				H. M. S.		AE.				H. M. S.		AE.	
1931.						1931.						1931.					
Jan. 2nd	eP	0 13 42	..	..		Jan. 18th	eP	13 28 54	..	..		Feb. 2nd	eP	23 3 6	..	..	
	F	0 39 54	..	..	Widening of line.		F	13 48 48	..	..		3rd	iL	23 17 30	..	..	
													M	23 44 48	..	..	
„ 2nd	eP	10 31 42	..	..		„ 10th	eP	12 43 42	..	..			F	2 24 24	..	1040	
	eL	11 13 6	..	..			eL	12 51 30	..	..					..	..	
	M	11 17 30	..	50			M	12 56 24	..	..		„ 8th	eP	2 39 00	..	..	
	F	11 57 6	..	..			F	13 8 00	..	60			eL	2 43 54	..	..	
„ 12th	eP	21 18 48?	..	..	Neither hour mark nor half-hour marks; measured approximately.	„ 19th	eP	16 40 12	..	..			M	2 48 06	..	..	
							F	16 46 12	..	..	Widening of line.	„ 10th	eP	1 32 18	..	..	
	eL	21 20 6?	..	..		„ 20th	eP	9 37 54	..	..			F	1 59 42	..	..	Widening of line.
	M	21 26 00?	..	40			F	9 52 00	..	..	Widening of line.	„ 10th	eP	3 17 24	..	..	
	F	21 48 24?	..	..		„ 24th	eP	13 51 24	..	..			F	3 52 12	..	..	Widening of line.
„ 15th	eP	2 23 00	..	..			eL	14 6 48	..	..		„ 10th	eP	6 16 18	..	..	
	iL	3 7 24	..	..			M	14 10 30	..	..		„ 10th	iL	6 47 24	..	..	
	M	3 29 42	..	520	Instrument examined at the time.		F	14 49 48	..	90			M	6 52 48	..	..	
„ 15th	eP	21 24 48	..	..		„ 24th	eP	17 56 36	..	..			F	10 26 06	..	?	Beyond the range of the instrument.
	F	21 57 54	..	..	Widening of line.		F	18 23 12	..	..	Widening of line.	„ 11th	eP	17 59 00	..	..	
„ 15th	eP	23 3 00	..	..		„ 27th	iL	20 14 6	..	..			F	18 14 00	..	..	Widening of line.
„ 16th	F	0 31 24	..	..	Widening of line.		M	20 29 24	..	..					..	..	
							F	23 27 48	..	930	No P.T.'s.	„ 12th	eP	5 55 12	..	..	
„ 16th	eP	20 43 48	..	..		„ 28th	eP	21 34 00	..	..			iL	6 00 15	..	..	
	F	21 23 48	..	..	Widening of line.	„ 29th	iL	21 57 42	..	..			M	6 02 48	..	..	
„ 17th	eP	3 57 24	..	..			M	22 4 30	..	..			F	6 30 42	..	400	
	F	4 35 48	..	?			F	24 10 24	..	130					..	..	

TABLE E 5—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	
				( $\mu$ )						( $\mu$ )						( $\mu$ )		
		H. M. S.		AE.				H. M. S.		AE.				H. M. S.		AE.		
1931.						1931.						1931.						
Feb. 13th	eP	0 55 00	..	..		Mar. 9th	eP	2 59 18	..	..		April 3rd	eP	22 25 54	..	..		
	eL	2 9 30	..	..			eL	3 20 24	..	..			F	22 34 36	..	..		Widening of line.
	M	2 29 36	..	..			M	3 32 00	..	..		" 4-5th	IP	23 49 06	..	..		
	F	4 41 48	..	1200			F	0 38 24	..	1060			F	0 30 24	..	..		Widening of line.
" 14th	eP	14 5 00	..	..		" 11th	eP	12 36 42	..	..		" 6th	eP	7 01 30	..	..		
	iL	14 10 36	..	..			iL	12 59 12	..	..			eL	7 33 06	..	..		
	M	14 11 54	..	..			M	13 05 54	..	..			M	7 44 18	..	..		
	F	15 51 36	..	930			F	15 16 54	..	150			F	8 38 42	..	80		
" 16th	eP	10 12 18	..	..		" 12th	eP	11 02 12	..	..		" 6th	eP	9 22 00	..	..		
	F	10 47 00	..	..	Widening of line.		eL	11 16 00	..	..			F	9 34 36	..	..		Widening of line.
							M	11 20 54	..	..		" 6th	eP	12 32 36	..	..		
" 19th	eP	17 46 42	..	..		" 12th	eP	19 43 18	..	..			F	12 38 48	..	..		Widening of line.
	eL	17 51 36	..	..			F	10 56 18	..	..	Widening of line.	" 7th	eP	8 17 36	..	..		
	M	17 58 06	..	..		" 12th	eP	21 36 30	..	..			F	8 27 00	..	..		Widening of line.
	F	19 19 30	..	500		" 12th	F	21 42 54	..	..	Widening of line.	" 8th	eP	19 39 18	..	..		
" 20th	eP	5 50 24	..	..		" 18th	eP	8 22 36	..	..			F	19 50 06	..	..		Widening of line.
	eL	5 53 48	..	..			eL	9 14 18	..	..		" 12th	eP	2 28 42	..	..		
	M	5 59 24	..	..			M	9 26 12	..	..			eL	2 47 30	..	..		
	F	6 42 30	..	80		" 18th	F	11 00 48	..	350			M	2 57 48	..	..		
" 27th	eP	9 53 06	..	..		" 19th	eP	6 33 18	..	..			F	3 21 12	..	40		
	eL	10 03 06	..	..			iL	6 46 06	..	..		" 24th	IP	17 34 54	..	..		
	M	10 08 12	..	..		" 19th	M	6 51 42	..	..			eL	18 14 54	..	..		
	F	10 41 48	..	80		" 19th	F	7 44 30	..	180			M	18 20 00	..	..		
Mar. 2nd	eL	2 42 24	..	..		" 19th	eP	6 33 18	..	..			F	20 10 18	..	80		
	M	2 46 00	..	..			iL	6 46 06	..	..		" 27th	IP	17 04 48	..	..		
		3 18 00	..	..		" 28th	M	6 51 42	..	..			iL	17 08 06	..	..		
	F	3 45 06	..	40	No P. T's.	" 28th	F	7 44 30	..	180			M	17 17 00	..	..		
" 5th	eP	18 03 30	..	..		" 28th	iL	12 47 24	..	..			F	18 07 18	..	100		
	eL	18 06 00	..	..			M	13 12 18	..	..		May 17th	eP	13 05 12	..	..		
	M	18 07 36	..	..			F	15 01 48	..	240	No P. T's.		F	13 10 06	..	..		Widening of line.
	F	18 33 06	..	70		April 1st	eP	13 25 18	..	..		" 20th	eP	2 46 48	..	..		
" 7th	eP	10 23 12	..	..		" 1st	F	13 40 54	..	..	Widening of line.		eL	3 08 30	..	..		
	F	11 03 48	..	..	Widening of line.	" 1st	eP	17 27 48	..	..			M	3 16 30	..	..		
" 8th	eP	2 08 54	..	..		" 3rd	F	18 10 06	..	..	Widening of line.	" 20th	eP	23 09 30	..	..		
	eL	2 23 30	..	..		" 3rd	eP	3 23 00	..	..			F	23 37 36	..	..		Widening of line.
	M	2 28 54	..	..		" 3rd	F	3 32 48	..	..	Widening of line.	" 24th	P	0 35 06	..	..		
	F	3 11 24	..	90		" 3rd	eP	6 34 42	..	..			F	1 00 48	..	..		Widening of line.
" 8th	eP	12 47 30	..	..		" 3rd	F	6 43 42	..	..	Widening of line.				..	..		
	F	12 59 12	..	..	Widening of line.				..	..					..	..		

TABLE E 5—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. ( $\mu$ )	REMARKS.	
				AE.						AE.						AE.		
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.				
June 9th	eP	14 58 30	..	..		Aug. 24th	iP	21 40 30	..	..		Sep. 25th	eP	21 45 00	..	..		
	F	15 15 36	..	..	Widening of line.		iL	21 44 06	..	..			eL	21 46 54	..	..		
„ 9th	eP	16 58 30	..	..			M	21 47 54	..	..			M	21 18 24	..	..		
	F	17 23 48	..	..	Widening of line.		F	23 59 18	..	1280			F	22 09 48	..	40		
„ 18th	eP	13 10 42	..	..		„ 25th	eP	0 43 18	..	..		„ 26th	eP	21 39 42	..	..		
	iL	13 13 18	..	..			F	1 11 30	..	..	Widening of line.		F	22 05 00	..	..		Widening of line.
	M	13 13 36	..	..		„ 25th	eP	3 09 36	..	..		„ 27th	eP	0 38 54	..	..		
	F	13 23 42	..	100			F	3 32 12	..	..	Widening of line.		F	0 44 06	..	..		Widening of line.
„ 23rd	eP	6 54 42	..	..		„ 27th	iP	15 32 24	..	..		„ 28th	eP	17 31 00	..	..		
	F	7 06 06	..	..	Widening of line.		iL	15 36 30	..	..	Boom was thrown to one side and stuck there for some hours.		eL	17 36 36	..	..		
July 12th	eP	16 59 30	..	..		„ 28th	eL	0 48 24	..	..		„ 29th	eP	9 57 36	..	..		
	F	17 23 12	..	..	Widening of line.		M	0 51 12	..	..			F	10 11 42	..	..		Widening of line.
„ 15th	iL	17 04 36	..	..		„ 28th	F	1 00 54	..	40	No P. T's.	„ 29th	eP	11 26 42	..	..		
	M	17 05 54	..	..			P	19 50 54	..	..			F	11 37 12	..	..		Widening of line.
	F	17 23 48	..	140	No P. T's.	Sept. 3rd	eP	17 23 36	..	..		Oct. 3rd	eP	10 47 06	..	..		
„ 18th	eP	11 59 54	..	..			F	17 29 42	..	..	Widening of line.	„ 3rd	F	10 58 06	..	..		Widening of line.
	eL	12 09 42	..	..		„ 6th	eP	14 43 36	..	..			eP	19 26 42	..	..		
	M	12 11 48	..	..			F	14 56 12	..	..	Widening of line.	„ 3rd	iL	19 37 12	..	..		
	F	12 39 06	..	40		„ 9th	iL	20 57 24	..	..			M	20 16 54	..	..		
Aug. 1st	eP	19 56 36	..	..		„ 9th	M	21 14 30	..	..		„ 3rd	eP	?	..	..		
	F	20 07 54	..	..	Widening of line.	„ 21st	F	22 01 18	..	50	No P. T's.		iL	22 52 06	..	..		
„ 2nd	eP	18 26 12	..	..		„ 21st	eP	2 38 42	..	..		„ 3-4th	M	22 57 48	..	..		
	F	18 37 00	..	..	Widening of line.		eL	2 55 36	..	..			F	?	..	180		Overlapping.
„ 8th	eL	4 15 12	..	..		„ 21st	eL	2 58 30	..	..			iL	23 39 30	..	..		
	M	4 18 00	..	..			F	3 55 06	..	60		„ 6th	M	23 50 18	..	..		
	F	4 27 06	..	40	No P. T's.	„ 21st	eP	10 40 12	..	..			F	2 22 48	..	290		
„ 10th	eP	10 26 18	..	..		„ 25th	eL	10 47 00	..	..		„ 6th	eL	22 41 24	..	..		
	F	10 45 54	..	..	Widening of line.		M	10 50 06	..	..			M	22 43 12	..	..		
„ 10-11th	eP	21 26 24	..	..			F	12 09 54	..	70			F	23 06 54	..	50		No P. T's.
	eL	21 30 48	..	..		„ 25th	iP	6 06 24	..	..		„ 9th	eP	6 11 30	..	..		
	M	?	..	..			eL	6 10 00	..	..			F	6 28 00	..	..		Widening of line.
	F	1 31 18	..	?			M	?	..	..		„ 10th	eP	0 32 48	..	..		
„ 13th	eP	22 34 06	..	..			F	9 23 48	..	?	Boom was thrown to one side where it stuck for some time.		iL	0 43 18	..	..		
	F	23 40 18	..	..	Several widenings of the line.				..	..			M	1 10 30	..	..		
„ 18th	iP	14 34 42	..	..					..	..			F	5 18 54	..	340		
	iL	14 41 24	..	..					..	..					..	..		
	M	14 45 30	..	..					..	..					..	..		
	F	17 10 00	..	1330					..	..					..	..		

TABLE E 5—concl'd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE, ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE, ( $\mu$ )	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE, ( $\mu$ )	REMARKS.
				AE.						AE.						AE.	
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.			
Oct. 10th	IL	17 15 54	1	--		Oct. 18th	eP	4 48 30	1	--		Nov. 2nd	IP	10 17 06	1	--	
	M	17 27 00	1	--			F	5 55 24	1	--	Several widenings of the line.		IL	10 19 36	1	--	
	F	18 04 24	1	80	No P. T's.								M	10 42 24	1	--	
						" 26th	eP	15 10 24	1	--			F	12 27 12	1	990	
" 12th	eP	14 19 48	1	--			F	15 18 42	1	--	Widening of line.	" 5th	eP	12 35 36	1	--	
	F	14 29 42	1	--	Widening of line.								IL	12 41 00	1	--	
						" 28th	eP	5 40 42	1	--			M	12 43 18	1	--	
18th	eP	1 02 18	1	--			eL	5 59 12	1	--			F	13 23 18	1	160	
	F	1 06 42	1	--	Widening of line.		M	6 02 48	1	--		Dec. 18th	IP	10 02 36	1	--	
							F	6 25 54	1	40			eL	10 03 36	1	--	
" 18th	eP	1 32 30	1	--		Nov. 1st	eP	19 15 06	1	--			M	10 05 36	1	--	
	eL	1 35 06	1	--			eL	19 32 36	1	--			F	10 51 18	1	130	
	M	1 37 36	1	--			M	19 35 24	1	--		" 25th	P	3 46 42	1	--	
	F	0 48 06	1	40			F	19 47 12	1	50			F	4 10 48	1	--	Widening of line.

T. ROYDS,  
Director, Madras and Kodaikanal Observatories.

The following table contains a list of earthquakes that were reported by voluntary observers from various stations:—

TABLE E-5.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity (Rossi-Forel scale).	No. of shocks.	REMARKS.	Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity (Rossi-Forel scale).	No. of shocks.	REMARKS.
	1931.	H. M.	Sec.					1931.	H. M.	Sec.			
Peshawar . . . . .	Jan. 7	3 52	12	5	1		Cherrapunji . . . . .	Aug. 13	10 45	10	5	2	
Drosh . . . . .	" 7	3 54	12	5	1		Cherat . . . . .	" 15	4 04	2	5	2	
Do. . . . .	" 10	14 54	15	6	1		Rawalpindi . . . . .	" 15	4 02	30	5	3 or 4	
Do. . . . .	" 17	8 20	10	6	2		R. A. F. Peshawar . . . . .	" 15	4 03	50	6	3	Several minor shocks.
Rangpur . . . . .	" 18	18 16	20	5	1		Drosh . . . . .	" 15	3 55	70	6	2	
Gauhati (Assam) . . . . .	" 18	13 13	about 35	7	2		Srinagar (Kashmir) . . . . .	" 15	4 05	about 4	8	2	
Peshawar . . . . .	" 20	9 31	95	6	2	*	Gulmargh (Kashmir) . . . . .	" 15	4 07	15	7	3	
Cherat . . . . .	" 20	9 27	nearly 2	6	1		Maymyo . . . . .	" 18	10 25	2	5	..	
Srinagar (Kashmir) . . . . .	" 20	9 35	about 2	8	1		Jodhpur . . . . .	" 25	0 30	3 or 4	4	1	
Drosh . . . . .	" 20	9 30	40	8	2		Multan . . . . .	" 27	15 31	15	6	3	
Sonamarg . . . . .	" 20	9 41	15	7	2		Jodhpur . . . . .	" 27	15 30	5 or 6	4	1	
Gurez (Kashmir) . . . . .	" 20	9 36	47	5	3		Srinagar (Kashmir) . . . . .	" 27	15 28	about 2	7	1	
Dras . . . . .	" 20	9 30	7	5	1		Hyderabad (Sind) . . . . .	" 27	15 30	3	4	1	
Skardu . . . . .	" 20	9 20	5-6	6	2		Gulmarg . . . . .	" 27	15 26	3	7	1	
Myitkyina . . . . .	" 27	21 16 21 46	65 8	5	2		Dhubri . . . . .	" 28	15 52	10	6	1	
Rangpur . . . . .	Feb. 7	15 02	6	4	1		Gauhati (Assam) . . . . .	Sep. 4	20 35	about 10	6	1	
Cherrapunji . . . . .	" 7	15 07	30	4	1		Salonah (Nowgong District). . . . .	" 7	9 49	about 15	5	1	Continued vibrations.
Gauhati (Assam) . . . . .	" 7	15 05	about 40	7	2		Yatung (Tibet) . . . . .	Oct. 3	17 29	about 8	4	several tremors.	
Bushire . . . . .	" 9	3 07	about 30	7	1		Slalkot . . . . .	" 5	22 25	about 3	3	1	
Rangpur . . . . .	" 9	9 40	3	5	1		Dras . . . . .	" 5	22 35	about 10	6	2	
Skardu . . . . .	" 11	16 05	7-8	6	1		Drosh . . . . .	" 5	22 34	65	6	2	
Akyab . . . . .	" 26	6 48	about 2	4	1		R. A. F. Peshawar . . . . .	" 5	22 34	4	6	3	
Peshawar . . . . .	Mar. 15	18 42	53	6	2		Cherat . . . . .	" 5	22 35	50	7	3	
Drosh . . . . .	" 16	6 35	40	6	1		Rawalpindi . . . . .	" 5	22 35	150	6	3	
Angul . . . . .	Apr. 23	5 18	about 30	5	1		Lahore . . . . .	" 5	22 50	15	6	2	
Salonah (District Nowgong). . . . .	" 23	4 08	about 5	4	**		Srinagar (Kashmir) . . . . .	" 5	22 35	about 5	7	2	
Yatung, Tibet . . . . .	" 28	13 03	1-3	4	1		Skardu . . . . .	" 5	22 30	55	6	5	
Lahore . . . . .	May 19	15 25	2	3	1		Muzafferabad . . . . .	" 5	22 10	..	6	1	
Gauhati (Assam) . . . . .	" 24	8 10	about 20	6	1		Guraz (Kashmir) . . . . .	" 5	22 39	80	7	2	
Dhubri . . . . .	June 9	9 27	9	6	1		Mandalay . . . . .	" 9	16 00	about 3	3	..	
Salonah . . . . .	July 27	9 13	12-15	5	2	Continued vibrations.	Maymyo . . . . .	" 9	16 35	4	5	1	
Gulmarg (Kashmir) . . . . .	" 31	15 15	10	7	3		Rangpur . . . . .	" 12	22 30	5	3	4	
Dhubri . . . . .	Aug. 2	21 56	20	6	1		Cooch Behar . . . . .	" 12	22 01	about 3	5	..	
Cherrapunji . . . . .	" 2	21 58	2	4	1		Amherst . . . . .	" 14	23 50	2	7	1	
Rangpur . . . . .	" 2	22 16	15 or 20	4	1		Drosh . . . . .	" 15	01 00	30	6	2	
Gauhati (Assam) . . . . .	" 2	22 15	about 15	6	1		Dhubri . . . . .	" 27	20 51	11	6	2	
Mymensingh . . . . .	" 2	22 40	1-2	5	1		Gauhati . . . . .	" 27	20 56	about 40	6	1	
Cooch Behar (Bengal) . . . . .	" 12	1 08	about 10	5	1								

\* 2 severe shocks in the beginning and several minor afterwards.  
\*\* Small vibrations only.



TABLE E-5—concl'd.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity (Rossi-Forel scale).	No. of shocks.	REMARKS.	Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity (Rossi-Forel scale).	No. of shocks.	REMARKS.
	1931.	H. M.	Sec.					1931.	H. M.	Sec.			
Rangpur . . . . .	Oct. 27	21 30	about 10	4	3		Gllgit . . . . .	Nov. 19	06 15	3	3	3	
Dhubri . . . . .	„ 30	16 51	about 5	6	1		Gauhati . . . . .	Dec. 15	01 40	about 5	6	1	
Cherat . . . . .	Nov. 4	15 21	2	6	2		Salonah . . . . .	„ 15	01 00	8-10	3	1	
Rawalpindi . . . . .	„ 4	15 23	about 60	6	2		Do. . . . .	„ 15	01 32	about 8	3	—	Continuous small vibrations.
R. A. F. Peshawar . . . . .	„ 4	15 25	5	6	3								
Rangpur . . . . .	„ 13	01 10	10	6	3		Cooch Behar . . . . .	„ 19	12 11	about 2	6	1	
Gauhati . . . . .	„ 13	01 10	about 15	6	1		Salonah . . . . .	„ 21	18 00	about 10	5	—	Sharp continued vibrations.
Dhubri . . . . .	„ 13	02 03	15	7	3								
Yatung (Tibet) . . . . .	„ 13	01 09	about 3	6	1	Followed by several tremors.	Cooch Behar . . . . .	„ 21	18 45	about 3	6	2	
Cherrapunji . . . . .	„ 13	01 09 07 13	3 5	5	3		Rangpur . . . . .	„ 21	18 43	5	6	2	
							Dhubri . . . . .	„ 21	19 31	17	6	3	

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