EARTHQUAKE REPORTS.

Symbols, Notation, etc.

1.	Character of the earthquake :-							
	d Local shock perceptible a	shock perceptible at station, its intensity being expressed on the Rossi-Forel scale thus: RF 1, &c.						
	v Near shock (origin less than 9°, or 1,000 kilometres, distant).							
r Distant shock (origin from 9° to 45°, or 1,000 to 5,000 kilometres, distant).								
_		seism (origin more than 45°, or 5,000 kilometres, distant).						
2.		of the following symbols may denote—(a) the phase itself; or (b) the time of						
		ves of that phase at the station; or (c) the time of transit of those waves from						
		there will be no ambiguity]:— Longitudinal waves, direct (first phase or first preliminary tremors).						
	$P \dots \dots PR_1$, $PR_2 \dots PR_n$	Longitudinal waves, direct (first phase or first preliminary tremors) Longitudinal waves, reflected once, twice, n times, at the earth's surface.						
	S.	Transverse waves, direct (second phase or second preliminary tremors).						
	SR (or SR_1), SR_2 SR_n	Transverse waves, reflected once, twice, n times, at the earth's surface.						
	S—P	Interval (in seconds) between the arrival of the P waves and the S waves.						
	PS	Waves changed from longitudinal to transverse oscillation, or vice versa,						
		through reflection at the earth's surface.						
	<u>L</u>	Long waves (chief phase or principal part; regular waves).						
	$\mathbf{L}_1, \mathbf{L}_2, \mathbf{L}_n$	Successive series of L waves.						
	L_1	Long waves passing along the major arc of the great circle through the epicentrum and the observatory.						
	(Repeats of L or L ₁ at	ter a circuit or circuits of the earth are noted in the "Remarks.")						
	М	Greatest motion in the chief phase.						
	$\mathbf{M_{j}}$	Maximum of the L _j waves.						
	<u>c</u>	Tail or end portion.						
_	F	End of discernible movement.						
3.	Nature of the motion :							
	i sudden	Beginning of the motion, used either alone or with one of the symbols in						
	e gradual	2 denoting phase.						
	T (period)	Time of one complete oscillation (to and fro).						
	A	Amplitude of the motion, measured from the median line, in millimetres						
		(mm., as shown on the seismogram), or in mikrons (μ , actual movement						
		of the ground): $(\mu = 1/1000 \text{ mm.})$.						
	A _e	E-W component of A.						
	A _n	N-S component of A.						
4	A_{v} General :	Vertical component of A.						
4.	Time	G.C.M.T., Greenwich civil mean time, 0 h. or 24 h. = midnight.						
	E (epicentrum)	Position of epicentre.						
	O (origin)	Time of shock at origin.						
	ϕ \cdots \cdots	Latitude.						
	λ	Longitude from Greenwich.						
	Δ	Distance from epicentre in degrees (°) or in kilometres (kms.).						
5.	The Observatory:	24 40# (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
		1' 48" S., long. 172° 37' 13" E.						
		ea-level: 8 metres (25 ft.). : Milne No. 16 (ordinary boom).						
	How installed: Boom N							
Natural period: 16 seconds.								
	Magnification : 8.							
	Damping: Nil.							
	. 0							

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Time is Greenwich civil mean time; it is given in hours, minutes, and seconds. Oh. or 24h. = midnight.

	o. Date.		Character.	Phase.	Time. G.C.M.T.	Boom Period.	Amplitude.	Remarks.
No.		e.						
	192	20.			н. м. s.	s.	MM.	
1	Jan.,	1	l i	P	3 10 48			Slight microseisms in evidence.
_				M	3 14 18	16	0.2	
2	,,	1	l	P	12 21 18		1	
	1 "				12 21 36		j	
	ł				12 23 12			
	1			\mathbf{L}	12 24 12		1	
	i			M.	12 25 06		4.0	
				M	12 41 12	16	2.4	
3	,,	11		P	3 02 54			
	1			M	3 04 54	16	0.4	? Microseism.
4	١,,	22		P	21 30 24	• •		? S.
					21 32 48	• •	••	? SR ₁ .
					21 35 18			
	ı			L	21 36 00			
	ł			M	21 40 30	13	2.0	
5	,,	29	••	? SR	21 50 24	• •		
	1			L	21 54 18	• •	· .	
				M	21 58 24	13	1.4	
6	,,	29		8	19 46 24	• •	• •	Slight microseisms evident.
	ļ			SR_2	19 48 24	• •	• •	
	1			Ľ	19 50 12	::	2.	
		_		M	19 53 00	13	1.0	
7	Feb.,	3	••	PR_1 ?	03 36 00	• •	•••	
			}	S L	03 43 42	• •	• • •	
					04 13 48	• •		
_			İ	M	04 17 30	••	0.2	SIL 1
8	,,	3	• •	L	12 32 00	• •		Slight microseisms evident.
	ŀ	Ì	i	M	12 37 30		1.5	