

Table II. Instrumental Reports, April 1, 1925 to June 30, 1925.
ILLINOIS. U. S. Weather Bureau, Chicago.

$\phi = 41^{\circ} 47' N$ $\lambda = 87^{\circ} 37' W$ $h = 180m.$



Instrument	Component	Mass	T_0	V	ϵ
Milne-Shaw	EW	1 gm	12s	150	20:1
do	NS	1	12s	150	20:1

Date	Phase	G.M.T.	Period	Amplitude		Remarks.	
				E	N		
1925		h.m.s.	s	μ	μ		
Apr 11	O	10 42				Approximate distance 17000 km. Preliminaries on E-W very strong; on N-S, very weak.	
	PE	11 01 54	7	4			
	ePR _{1E} (?)	11 05 10	10	7			
	eE	11 15 40		5*			
	PS _E or						
	SE (?)	11 17 35	11	7			
	PPSE ?	11 19 12					
	eE	11 21 07					
	PN	11 01 54	3				
	PR _{1N}	11 06 11	15		1		
	eN	11 15 00	11				
	eE	11 29 55	12	8			
	SR _{2E}	11 30 50	18	8			
	SR _{1N}	11 25 15	15				
	SR _{2N}	11 38 58	14		4		
	eN	11 48 03	32; 10				
	eLE	11 55 50	25	18			
	LE	12 01 48	20	56			
	LE	12 07 10	20				
	ME	12 10 50	20	115			
	CE	12 17	16				
	eLN	11 57 30	20		11		
	LN	12 01 32					
LN	12 09 30	16		32			
F	13 50 ca						
16	O	19 53				Distance 12000 km. Distance and time of origin based on PR ₁ and PS	
	PR ₁	20 12 00	2	1			
	PS _E	20 21 13	9	3			
	eE	20 22 19	10	4			
	eSR _{1E}	20 26 10	7	2			
	eSR _{2E}	20 32 00	10	5			
	eE	20 37 00	15	8			
	ePS _N	20 20 58	7		1		
	eN	20 22 23	15		5		
	eLE	20 42 38	18	10			
	ME	20 49 30	30	70			
	ME	20 58 52	19	36			
	eLN (?)	20 41			4*		
	LN	20 49 40	20		17		
LN	21 08 10	18		27			
F	22 14 ca						

* indicates trace amplitude in one-tenth millimeters.

Date	Phase	G. M. T.	Period	Amplitude		Remarks.
				E	N	
1925		h. m. s.	s	μ	μ	
May 3	(0)	17 22	-			Distance 13500 km.
	ePR _{1N}	17 42 45	7		2	E-W trace confused by over-
	ePS _N	17 52 49	8		4	lapping and sticking of drum.
	eSR _{1N}	17 59 57	13		5	Distance and time of origin
	eSR _{2N}	18 05 22			6*	based on ePR _{1N} and ePS and are
	eL _N	18 18 19	25		26	merely approximate.
	eL _N	18 25 02	29		42	
	eL _N	18 27 12	26		31	
	M _N	18 29	20		38	
	F _N	19 26				
3	0	(22 59)				Distance 17000 km.
	eP _N	23 19 12	2			E-W trace confused by over-
	eSR _{1N}	23 42 32	12		4	lapping and sticking of drum.
4	eL _N	0 14 29	23		10	Distance and time of origin
	M _N	0 25 30	20		29	are based on eP and eL and
	F _N	1 52				are merely approximate.
5	0	10 06 40				Distance 12500 km.
	eL _E	11 03 06	20			E-W trace confused before
	eL _E	11 05 44	32			10h. 43m., due to sticking of
	ePR _{1N}	10 26 29	6		1	drum.
	eSPS _N	10 32 11	7		1	Distance and time of origin
	eL _E	11 08 56	28	21		are based on ePR _{1N} and eSPS _N
	M _E	11 12 02	20	25		and are merely approximate.
	eL _N	11 10 02	20			
	M _N	11 11	18	11		
F	12 37					
5	0	23 20				Distance 14500 km.
	ePR _{1E}	23 42 09	5	2		Interpretation doubtful.
	ePS _N ?	23 52 21	8	3		
	ePR _{1N}	23 41 55	8		1	
	ePS _N	23 52 02	9		3	
6	M _E	0 32 30	23	20		
	eL _N	0 24 41	20		8	
	eL _N	0 27 07	21			
	M _N	0 28 30	20		10	
	F	1 46				
19	0	(5 24) ?				Distance 16500 km.
	eP _E ?	5 43 35	7	3		Interpretation doubtful.
	ePR _{1E}	5 47 06	10	6		
	eP _N ?	5 43 59	5		1	
	ePR _{1N} ?	5 47 23	8		2	
	eL _E	6 39 09	22	12		
	M _E	6 52 30	19	35		
	eL _N	6 37 36	26		16	
	M _N	6 50 15	18		15	
F	7 58					

* indicates trace amplitude in one-tenth millimeters.

Date	Phase	G. M. T.	Period	Amplitude		Remarks
				E	N	
		h. m. s.	s	μ	μ	
1925						
May 23	eI _E	3 01 30	14	5		
	M _E	3 05 40	18	16		
	e _N	2 34 05	6		1	
	eI _N	2 54 33	14		3	
	M _N	3 10 30	13		6	
	F _E	7 45				
	F _N	7 43				
June 3	0	4 33 30				Distance 13800 km.
	ePR _{1E}	4 54 52	8			
	ePR _{1N}	4 55 05	8		1	
	ePS _N	5 05 10	9		5	
	eSR _{1E}	5 11 45	13			
	eSR _{2E}	5 17 48	20	15		
	e _E	5 32 43	30			
	eSR _{1N}	5 11 36				
	eI _E	5 37 48	30	22		
	M _E	5 41 25	30	19		
	eI _N	5 37 24	25			
	M _N	5 37 50	25		30	
	F	7 00				
4	eS _E ?	12 13 25				
	eS _N ?	12 13 59				
	eI _E	12 16 45	55			
	eI _E	12 19 45	15			
	M _E	12 21 20	13	5		
	eI _N	12 16 52	38			
	eI _N	12 19 37	13			
	M _N	12 20 41	12		6	
	F _E	13 20				
	F _N	off sheet				
7	e _E	4 40 34				Possibly non-seismic.
	e _N	4 40 39				
	F	6 12				
7	0	(23 43 40)				Distance 2650 km.
	iP	23 48 53	4	1	1	Interpretation doubtful.
	e _E	23 50 50		3*		
	e _N	23 50 54	10		3	
	eS _E	23 53 03		2*		
	eSR _{1N}	23 54 37			4*	
	eI _E	23 55 16		7*		
	eI _E	23 56 56	10	7		
	M _E	23 59 53	7	10		
	eI _N	23 55 34	7		6	
	eI _N	23 58 01	12		5	
8	M _N	0 01 53	19		16	
	F	0 50				

* indicates trace amplitude in one-tenth millimeters.





Date	Phase	G. M. T.	Period	Amplitude		Remarks.
				E	N	
1925		h. m. s.	s	μ	μ	
June 9	0	13 40				Distance approximately 14000 km.
	ePR _{1E}	14 01 12	5	5		
	ePR _{1N}	14 01 09	5		1	Time scale confused on E-N trace, due to sticking of drum.
	eS _N	14 08 12	15		2	
	ePS _N	14 11 12	10		4	
	eSR _{1N}	14 17 47	15		10	
	eSR _{2N}	14 22 56	22		12	
	eN	14 30 02	13		5	
	eIN	14 42 42	20		8	
	IN	14 49 02	20		29	
	FN	Lost in microseisms and overlapping.				
14	0	22 28 11				Distance 2590 km.
	ePE	22 33 52	6	1		
	ePN	22 33 27	5		1	
	ePR _{1N}	22 34 05	5		2	
	eSE	22 37 39	6		17	
	eSR _{1E}	22 39 23			10*	
	eSR _{2E}	22 40 06	11		17	
	eS _N	22 37 56	10		6	
	eSR _{1N}	22 39 12	5		4	
	eSR _{2N}	22 40 05	10		6	
	eI _E	22 40 55	6			
	ME	22 43	5	75		
	eIN	22 40 51	10		4	
	eIN	22 41 12	19		47	
	MN	22 43 33	9		25	
	PE	23 46				
	PN	23 50				
17	eE	10 53 08				Possibly non-seismic.
	eN	10 53 10				
	F	11 05				
18	eE	21 48 13				
	eN	21 48 05				
	F	Lost in microseisms.				
19	0	7 49 48				Distance 10600 km.
	S	8 14 43	10	2	1	No definite maximum on either component.
	L	8 36 18	20	8	2	
	eIN	8 39 10	18		5	
	PE	9 33				
	PN	9 12				
23	0	1 21 03				Distance 1960 km.
	1P	1 25 11	6			
	1P'	1 25 18				
	eE	1 25 55				
	iE	1 26 04				
	eN	1 25 42				
	iN	1 27 18				
	eN	1 28 04				
	eSE	1 28 37				
	SN	1 28 50				
	LN	1 29 53				

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Date	Phase	G. M. T.	Period	Amplitude		Remarks
				E	N	
1925		h. m. s.	s	μ	μ	
June 28	M _E	1 33	57	415+		Light spots too weak to determine times of maximum amplitude satisfactorily.
	C _E	1 33				
	M _N	1 33	57		130+	
	C _N	1 33				
28	O	2 05 27				Distance 1970 km. P and S superimposed on end waves of previous earthquake.
	eP _E	2 09 36 ?				
	S _E	2 12 56				
	eS _N	2 12 56	3			
	L _E	2 14 34	2 ?			
	M _E	2 16 30	5 ?	91+		
	C _E	2 18				
	L _N	2 14 35	2			
	M _N	2 15	5		61	
	C _N	2 18	8			
28	IS	3 47 31	5			
	L	3 49 11	8			
	M _E	3 49 25	8	6		
	M _N	3 49 55	11		9	
	C	3 51				
	F	4 48				
28	eP	22 39 25	6	1		
	eE	22 41 10	3;12	5		
	eS	22 42 32	10	3		
	eN	22 39 10	slight			
	eN	22 40 48	9		4	
	F	Lost in overlapping of trace				
29	eP _N ?	14 48 40				
	eN	14 49 44				
	S _N	14 52 37	11		6	
	eN	14 54 13	48			
	ll _N	14 56 22	9 ?		8	Trace fading out
	C _N	14 59				
29	eL _N	16 49 18	10		3	
	P _N	16 58				
29	eN	19 09 53	10		1	
	eN	19 10 33	12		6	E-W out of order.
30	eP	9 34 33	6	3		N-S out of order.
	F	lost; due to recording box trouble beginning at 9:56.				

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