

BULLETIN OF THE SEISMOGRAPHIC STATION
OF THE
SAINT LOUIS UNIVERSITY, SAINT LOUIS, MISSOURI, U.S.A.
FOR THE YEAR 1925

No.	Date	Char.	Phase	G.M. Time h. m. s.	Period s.	Trace Amp.		Remarks
						A _E mm.	A _N	
4	April 27	Iv	iP _E	4 05 37				Reported from Illi- nois and Indiana. Δ about 300 Km.
			eP _N	4 05 37				
			iS _{EN}	4 06 15				
			F	4 08 [±]				
5	June 14	Ir	iP _{EN}	22 33 15				Caribbean Sea between Jamaica and Honduras. Δ = 2304 = 2600 Km.
			ePR _{1N}	22 33 29				
			ePR _{2N}	22 33 37				
			eS _{EN}	22 37 19				
			iS _{EN}	22 37 24	11	0.8	0.4	
			eL _E	22 40 27				
			iL _{EN}	22 40 46	13	0.2	0.2	
			eM _{EN}	22 42 00				
			M _{EN}	22 42 29	8	0.3	0.6	
F	22 50 [±]							
6.	June 28	IIr	iP _E	2 09 41				
			eP _N	2 09 42				
			e _{EN}	2 10 40				
			eL _N	2 13 59				
			iM _N	2 14 39				
			iM _E	2 14 46				
			M _{1EN}	2 14 47	4	2.7	5.6	
			M _{2E}	2 16 18	11	1.8		
			F	2 43 [±]				

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						A _E mm	A _N	
7	June 28	IIIr	eP _{EN}	1 25 12				Destructive in Montana. $\Delta = 150.2 = 1690$ Km.
			iP _{EN}	1 25 15				
			i _{EN}	1 25 20	4	2.4	1.2	
			i _{EN}	1 25 23	4	3	1.3	
			i _E	1 25 28				
			i _E	1 25 50				
			i _E	1 26 23				
			i _E	1 27 00				
			i _{EN}	1 27 36				
			i _E	1 27 51				
			iL _{EN}	1 28 53	6	1	0.8	
			iM _{EN}	1 29 16				
			M _{1EN}	1 29 20	5.5	17	158	
			M _{2EN}	1 29 23	5.5	34	90	
			M _{3EN}	1 29 47	11	66	80	
			i _{EN}	1 29 51				
F	Obscured in the following aftershock							
8	June 29	IIr	e _E	14 47 45				Destructive in Santa Barbara, California. Δ measured = $23^{\circ} = 2560$ Km.
			e _E	14 52 14	20	0.4		
			e _{EN}	14 52 16				
			i _E	14 52 24	20	1.0		
			e _N	14 53 08				
			e _E	14 53 09				
			L _N	14 55 00				
			L _E	14 55 08				
			M _N	14 55 40	15		2.5	
			M _E	14 55 42	6	0.8		
			M _E	14 57 40	20	2.6		
			M _N	14 57 50	14		2.8	
			F	15 15 [±]				

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						A _E mm.	A _N	
9	July 7	I _r	eP _N	14 17 42				Off southwest coast of Mexico about 17° N and 107° W. Δ=25° 1=2790 km.
			eS _N	14 22 00				
			iS _E	14 22 21	7	+0.3		
			iS _N	14 22 22	10		+1	
			eL _{EN}	14 25 00				
			L _{1EN}	14 26 00	14	-1.2	+1.1	
			iM _{EN}	14 26 13				
			M _{1EN}	14 26 26	11	-1	+1.2	
			M _{2N}	14 26 32	11		-2	
			M _{3EN}	14 27 16	7	+0.5	-2.4	
			e _{EN}	14 28 22				
			F	14 57±				
10	July 30	I _v	i _N ?	12 20 19				Reported from Panhandle, Cuyler, and Amarillo, Tex. Δ=9° 4=940 km.
			i _N ?	12 20 33				
			i _{EN}	12 20 38				
			i _{EN}	12 21 03				
			i _{EN}	12 21 17	2		-0.6	
			i _N	12 21 52				
			i _E	12 22 39				
			F	12 22 43				
11	Aug. 19	I _u	eP _E ?	12 18 19				Off East Coast of Kamchatka. Δ=66° = 7330 km.
			eP _N	12 18 25				
			iS _E	12 27 04	7	-0.7		
			e _E	12 27 34				
			eL _E	12 36 31				
			eL _N	12 38 34				
			eM _E	12 43 44				
			M _{1EN}	12 44 32	19	+1.2	+0.6	
F	12 58±							

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						A _E mm	A _N				
12	Aug. 29	Ir	eP _{EN} ?	10 41 00				In the vicinity of the extremity of the Peninsula of Lower California $\Delta=23^{\circ}4' = 2600$ km.			
			e _E	10 41 37							
			e _E	10 41 37							
			e _E	10 43 09							
			e _E	10 46 34							
			e _N	10 47 38							
			eL _E	10 47 42							
			L _{1EN}	10 48 16					13	+0.8	-1.2
			iM _{EN}	10 49 41							
			M _{1E}	10 50 09					8	-1.5	
M _{2E}	10 50 34										
F	10 58 [±]										
13	Sept. 2	Iv	e _{EN} ?	11 56 20		Amplitude μ	Reported from Evansville, Ind. The E-W pen was not in perfect adjustment.				
			i _{EN}	11 56 42							
			i _E	11 56 44							
			i _N	11 56 45							
			i _{EN}	11 56 59							
			iM _N	11 57 05							
			F	11 58 [±]							
14	Oct. 5	Ir	eP _E ?	4 13 41			East central Nic- aragua 13 ^o N. 84 ^o W. $\Delta=26^{\circ}5' = 2940$ km.				
			eP _N	4 13 42							
			ePR _{1N}	4 17 22							
			ePR _{2N}	4 17 29							
			e _{EN}	4 15 14							
			iS _N	4 19 00							
			iS _T	4 19 02							
			i _{EN}	4 19 08				6	+7	-13	
			eL _N	4 19 44							
			eM _E	4 20 19							
			M _{1E}	4 20 56				13	-77		
			F	4 27 [±]							

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				h.	m.	s.	μ			
15	Oct. 13	Iu	eP _{EN}	17	49	37	4	+1	-1	Atlantic Ocean 42°W. 10°N. $\Delta=51.4=5710$ km.
			iP _{EN}	17	49	38	6	-4	+3	
			PR _{1E}	17	51	24				
			iPR _{2EN}	17	52	32				
			iS _N	17	56	54	4		-3	
			iS _E	17	56	56	4	+2		
			i _{EN}	17	57	03	8	-17	+14	
			SR _{1EN}	18	00	28				
			i _N	18	02	45				
			eL _E	18	04	30				
			eL _N	18	04	45				
			iM _N	18	05	00	16		-64	
			M _{1E}	18	06	06	23	-161		
			M _{2N}	18	10	47	16		-96	
F	18	34 [±]								
16	Oct. 19	Ir?	e _N	10	54	12				
			e _N	10	54	42				
			eL _N	10	55	00				
			iM _{EN}	10	55	32	11		+9	
			M _{1N}	10	55	58	10		+20	
			F	10	59 [±]					
17	Nov. 10	Iu	cSR _{1N}	14	29	00				Near N.W. part of New Guinea about 130°E. 2°S. $\Delta=127^\circ = 14110$ km.
			eL _N	14	44	00				
			eL _E	14	45	00				
			iM _N	14	55	00	24		+76	
			M _{1EN}	15	06	11	17	-38	-30	
			F	15	43 [±]					

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				h.	m.	s.	AE	μ AN		
18	Nov. 13	Iu	e _N ?	12	33	00			Pacific Ocean N.E. of Island of Samar 127°E. 13°N. Δ=117°=13000 km.	
			PS _N	12	44	45	26			-24
			eSR _{1N}	12	51	20				
			SR _{2N}	12	56	11				
			eL _N	13	04	00				
			eM _N	13	16	09				
			eM _E	13	18	50				
			M _{1N}	13	22	00	21			+84
			M _{2N}	13	26	21	19			+57
		F	14	05	±					
19	Nov. 16	IIr	iP _{EN}	12	00	26	4		+4	Off Pacific coast of Mexico, about 106°W. 16.5 N. Δ=25.8=2870 km.
			iPR _{1EN}	12	01	00				
			iPR _{2N}	12	01	09				
			iPR _{3N}	12	01	19				
			i _N	12	01	36				
			e _N	12	02	56				
			eS _{EN}	12	04	49				
			iS _N	12	04	54	13		+94	
			i _N	12	05	04	7		-33	
			SR _{1EN}	12	05	58				
			SR _{2N}	12	06	13				
			SR _{3N}	12	06	23				
			oL _E	12	06	57	39	-600		
			eM _{EN}	12	08	31	18	-187	+115	
			M _{1EN}	12	08	57	13	+62	-116	
			M _{2EN}	12	10	32	16	-116	-116	
		F	12	47	±					
20	Nov. 28	Ir	i _N	12	38	26				
			i _N	12	39	04				
			i _N	12	39	30				
			i _N	12	42	26				
			e _E	12	43	32				
			F	12	47	±				

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				h.	m.	s.		A _E	μ	A _N	
21	Dec. 10	Iir	eP _N	14	20	01				Off Pacific Coast of Guate- mala. Δ=25°3 = 2810 km.	
			i _N	14	20	25					
			i _N	14	20	34					
			i _N	14	20	43					
			i _N	14	20	50					
			i _N	14	21	04					
			i _N	14	21	08					
			i _N	14	21	22					
			i _N	14	21	46					
			e _N	14	22	22					
			e _N	14	23	31					
			e _N	14	24	20					
			i _N	14	24	30					
			i _N	14	24	49	16		-113		
			i _{EN}	14	25	07	13		-113		
			eL _{EN}	14	26	45	35		+40		
			iL _{1N}	14	30	00	24		+181		
			iM _N	14	32	00	20		+71		
M _{1N}	14	33	32	16		+65					
F	15	26 [±]									

CONSTANTS

Determined	Component	Period T ₀	V	Damping	$\frac{r}{T_0^2}$
September 25	E	5.4	72	6.0	.0083
	N	6.4	78	7.3	.0094
October 5	E	5.7	74	5.4	.0065
	N	6.3	74	4.2	.0061
December 26	E	5.7	74	3.2	.0081
	N	6.4	75	5.5	.0073
				3.7	
				5.6	