

BULLETIN OF THE SEISMOGRAPHIC STATION
OF THE
SAINT LOUIS UNIVERSITY, SAINT LOUIS, MISSOURI, U.S.A.
FOR THE YEAR 1926

No.	Char.	Date	Phase	G.M. Time	Period	Ampl.		Remarks
						AE	AN	
				h. m. s.	s.	mm.	mm.	
1	Iu	Jan. 25	eP _E (?)	00 50 07		u	u	Distance=110 ^{0.7} =12300 Km. Epicenter in Solomon Is. according to press reports. Gap in record from 53m to 59m owing to change of sheet.
			eP _N	00 50 35				
			ePR _{3EN} (?)	01 01 22				
			ePS _E	01 05 22				
			ePS _N	01 05 29				
			eP _{PS} _{EN}	01 06 00				
			iSR _{1N}	01 10 51				
			e _N	01 15 00				
			SR _{2N}	01 15 39				
			e _E	01 18 54				
			eL _{EN}	01 25 16				
			eM _{EN}	01 30 14				
			M _{1E}	01 32 10	18	-63		
			M _{2E}	01 35 00	20	+162		
			M _{3E}	01 37 29	20	+162		
			M _{1N}	01 37 29	20		-110	
			F	02 21 [±]				

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-5- [Handwritten notes and signatures]

No.	Date	Char.	Phase	G.M. Time			Period	Amp.		Remarks
				h.	m.	s.		AE	AN	
2	Feb. 8	Iir	eP _N	15	23	22		<u>155</u>	<u>155</u>	Distance = 27°5 = 3060 Km. Epicenter about 11° N. Lat., 87°W. Long. SR ₂ and SR ₃ probably present in continued group on both E and N
			PR _{1N}	15	24	04		u	u	
			PR _{2N}	15	24	10				
			eS _N	15	28	01				
			eS _E	15	28	07				
			iS _N	15	28	33	17		-238	
			iS _E	15	28	34				
			SR _{1N}	15	29	22				
			SR _{1E}	15	29	23				
			iL _{EN}	15	30	58				
			iM _E	15	32	00				
			iM _N	15	32	03				
			M _{1N}	15	33	02	25		+480	
			F	16	43	±				

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				h. m. s.	s.	AE mm.	AN mm.	
3	Ir	Feb. 15	iP _N	3	05 22			Distance=26.9 =2990 Km. Epi- center in Pac- ific near that of Feb. 8th.
			e _N	3	05 52			
			PR _{1N}	3	06 04			
			iS _N	3	09 53			
			SR _{1N}	3	10 12			
			i _N	3	10 41		+135	
			eL _N	3	12 23			
			M _{N1}	3	14 05		+216	
			F	3	45 [±]			

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No.	Date	Char.	Phase	G. M. Time	Period	Amplitude	Remarks
				h. m. s.	s.		
4	Mar. 10	Ir	SR _{1N} (?)	15 18 32			Mr. J. A. Young of the Meteorological Office in Toronto forwarded a telegram received from the observer in Mayo, Yukon Territory as follows: "Two distinct earth tremors felt this morning (3-10-26), knocking articles off shelves 6:05 and 6:07 at Mayo and Keno City".
			eL _N (?)	15 21 27			
			eL _{EN}	15 22			
			F	15 30 ⁺ ₋			
5	Mar. 17	Iir	eP _N (?)	11 59 13			Δ(from eS-iP)= 28.5 = 3170 km. (from eS-eP)= 29.7 = 3300 km. The U.S. Coast and Geodetic survey placed the epicenter tentatively at Lat. 13°N, Long. 74°W, about 100 miles north of the coast of Columbia.
			iP _N	11 59 22			

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						AE	AN	
5	Mar.17 Cont'd	IIr	iS _N	12 04 04	7	μ	μ 5	
			eS _E	12 04 06	8	3		
			eL _N	12 08 12				
			iM _N	12 09 17				
			iM _E	12 09 20				
			M _{N1}	12 09 28	16		90	
			M _{E1}	12 09 38	11	32		
			M _{N2}	12 13 09	12		82	
			FE	12 19 ±				
FN	12 32 ±							
6	Mar.18	IIu	eP _N	14 19 10				Earthquake reported from the Island of Castel Rosso, SW coast of Asia Minor. Δ=82°7=9180km.
			iS _N	14 29 34				
			eL _N	14 47 00				
			iM _N	14 55 00				
			M _{N1}	14 56 48	25		56	
FN	15 15 ±							
7	Mar.27	Iu	ePR _{2N}	11 11 17				Epicenter possibly in SW Pacific near Solomon Islands Δ apparently=111° = 12330km.
			ePR _{3N}	11 13 13				
			ePPS _N	11 19 16				
			eN	11 26 37				
			eL _N	11 37 19				
			eM _N	11 45 00				
			eM _E	11 48 00				
			FN	12 18 ±				

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No.	Char.	Date	Phase	G.M. Time			Period	Trace Amp.		Remarks
				h.	m.	s.		AE	AN	
8	Iu	April 1	P _N	16	19	12	s.			Epicenter according to Swiss Seismological Service in Farther India 15°N. 95°E. Δ=126°=14000Km.
			P' _E (?)	16	21	20				
			P' _N (?)	16	21	28				
			i _E	16	22	15				
			PR _{1N}	16	24	40				
			PR _{2N}	16	26	44				
			PR _{3EN}	16	29	53				
			PS _N	16	34	12				
			PPS _N	16	36	09				
			SR _{1N}	16	40	25				
			L _N (?)	17	01	±				
M _N	17	33								
9	Ir	April 5	S _N (?)	23	42	29				Reported from the Azores. Cartuja gives epicenter as 42°1' N 31°4' W. Δ=41.5=4610 Km.
			PS _N (?)	23	42	59				
			M _N	23	54	00				
			M _{1N}	00	03					
			M _{2N}	00	05					
10	Iu	April 12	PS _N	8	59	39				Epicenter apparently in N-W portion of New Hebrides Islands 166° E. 14°4' S. Δ=109°=12110 Km.
			PPS _E	9	01	24				
			SR _{1E}	9	07	00				
			e _N	9	11	12				
			SR _{2N}	9	11	30				
			e _N	9	21	00				

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No.	Char.	Date	Phase	G.M. Time			Period	Trace AE	Amp. AN	Remarks
				h.	m.	s.				
10	Iu	April 12 Cont'd	e _{LE}	9	24	00	s.			
			M _{EN}	9	28	24	24			
			F _N	10	02	±				
			F _E	10	09	±				
11	Iu	April 24	e _N	5	11	48				
			e _E	5	17	15				
			e _{EN}	5	31	18				
			e _N	5	31	30				
			L _N	5	34	26				
			M _N	5	49	00	17			
12	Iu	April 28	P _N (?)	11	24	10				This together with data from Gonzaga University, Spokane points to Atacama. Deep off Chilean coast as origin Δ=62°4= 6930 Km.
			e _N	11	32	34				
			iS _{EN} (?)	11	32	38				
			PS _{EN} (?)	11	33	32				
			e _{EN}	11	36	25				
			e _N	11	38	40				
			L _N (?)	11	55	00				
			M _N	12	48	00				
M _N	13	10	00							
F _N	13	37	00							

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No.	Date	Char.	Phase	G.M. Time			Period s.	Amplitude μ	Remarks
				h.	m.	s.			
B	May 11	Ir	eP _N ?	11	25	41	5.4	2	Beginning very faint
			eS _{EN} ?	11	29	53			
			L _N ?	11	33				
			eM _N	11	34	00	9.5		
			M _{2N}	11	37	00			
			F	11	40	±			

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Latitude of the seismograph vault: $38^{\circ} 38' 17''$ N.
 Longitude: $90^{\circ} 13' 59''$ or 6h 0m 56s W. Fr..
 Altitude: 160.4 meters
 Foundation: Clay on St. Louis limestone of Miss-
 issippian age
 Instrument: Wiechert 80 Kg., inverted pendulum.

CONSTANTS

Determined	Component	Period T_0	V	Damping	$\frac{r}{T_0^2}$
April 30	E	6.1	76	4.2	0.0071
				3.9	
	N	5.8	94	5.6	0.0067
				4.9	
June 26	E	6.0	69	5.07	0.0072
				6.2	
	N	6.35	74	7.0	0.0055
				6.9	

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No.	Date	Char.	Phase	G.M. Time h. m. s.	Period		Amplitude		Remarks	
					E	S.N	A _E	A _N		
14	June 5	Ir	e _N	19 56 07					Epicenter off the coast of Northern Calif- ornia.	
			e _N	19 56 28						
			e _N	19 58 00						
			e _{EN}	20 01 35						
			e _{EN}	20 02 08						
			eL _N ?	20 05 35						
			M _N ?	20 06 13						
			M _{1E}	20 08 43	12		-21			
			M _{1N}	20 09 40		7		+13		
		F _N	20 27 ±							
15	June 26	IIu	eP _N	19 59 09					Reported from Crete and Malta	
			i _{EN}	19 59 21	4	5	+3	+2		
			i _{EN}	19 59 35	5	5	+3	+7		
			i _{EN}	19 59 40	4	4	+6	+7		
			i _{EN}	19 59 44	4	4	+9	+11		
			PR _{1EN}	20 02 39						
			PR _{2EN}	20 05 49						
			iS _{EN}	20 09 19						
			i _{EN}	20 09 31	7	7	+32	*21		
			i _E	20 09 41	7		+64			
			PS _{EN?}	20 09 49						
			i _{EN}	20 09 54	5	3	+26	+20		
			i _N	20 10 35						
			i _E	20 10 40						
			i _{EN}	20 10 50	18	18	+85	+124		
			i _E	20 13 50						
			i _E	20 16 23						
L _E	20 24 30									
M _N	20 29 40									
F _E	20 50 ±									

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						A_E	A_N		
16	July 14	Ir	e_N	22 38 14				Recorded at Georgetown be- ginning at 22h. 37m.	
			i_N	22 38 33					
			i_N	22 38 43					
			e_N	22 44 19					
			e_N	22 47 19	4		+1.2		
			e_E	22 47 37	4	-1.3			
			e_E	22 48 12	13	-6.4			
			e_N	22 48 22	12		+8.8		
		F_N	22 54 ±						

No.	Date	Char.	Phase	G.M. Time h. m. s.	Period s.	Amplitude		Remarks
						A_E	A_N	
17	August 9	Iu	0	3 39 33				Epicenter 52° N. 176° W. $\Delta=57.4=6380$ Km
			eP_{EN}	3 49 25				
			iS_E	3 57 20	4	+25		
			iE	3 57 27	4	+25		
			F_E	4 12 ⁺				
18	August 18	?	$e_N?$	19 36 39				
			i_N	19 39 25	2	-39		
			e_N	19 39 37	2	-25		
			e_N	19 40 13	3	+25		
			e_N	19 41 18	3	+37		
			F_N	19 45 ⁺				
19	August 25	Iu	e_N	6 42 57				Only M faintly recorded. Approximate epicenter 13° N 147° E. a short distance east of Guam Island according to U. S. Coast and Geodetic Survey.
			e_E	6 47 19				
			e_N	6 49 00				
			F_N	7 02 ⁺				

Constants

Determined	Component	Period T_0	V	Damping	$\frac{r}{T_0^2}$
August 14	E	5.8	75	5.1	0.0057
	N	6.4	76	5.2 8.6 7.4	0.0049

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				h.	m.	s.	A_E	A_N	
20	Sept. 2	Iu	e _{EN} ?	1	42	05			The record is too faint to permit the accurate determination of the beginning of the phases.
			e _N ?	1	46	00			
			e _{EN} ?	1	51	50			
			e _E	1	53	47			
			L _N	2	38	00			
			M _N	2	46	00			
			M _{1NE}	2	53	00			
			M _{2N}	3	04	00			
F	3	21	±						
21	Sept. 10	Iu	e _N	10	53	57			The first phase is quite sharp and clear but the rest are uncertain.
			e _E	10	54	06			
			e _N	11	04	26			
			e _N	11	05	55			
			e _N	11	09	57			
			e _N	11	15	19			
			L _N	11	24	43			
			M _N	11	59	00			
			F _N	12	37	±			
22	Sept. 16	Iu	eP' _E	18	17	19			Epicenter in the Pacific, apparently between the New Hebrides and the Solomon Islands.
			eP' _N	18	17	20			
			PR _{1E}	18	18	34			
			PR _{2N}	18	21	14			
			PR _{4E}	18	24	19			
			PR _{4N}	18	24	27			
			PS _{EN}	18	27	56			
			e _N	18	38	00			
			L _N	18	47	00			
			M _N	18	49	21	25	39	
			M _E	18	54	00			
			M _{1E}	19	05	08	17	64	
			F _N	19	28	±			

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						A _E	μ	A _N	
23	Oct. 3	Iu	e _N	19 56 23					The first nine phases are uncertain. They are obscured by wind vibrations.
			e _N	20 00 45					
			e _N	20 02 15					
			e _N	20 03 33					
			e _N	20 05 38					
			e _N	20 08 36					
			e _N	20 09 38					
			e _N	20 10 38					
			e _N	20 11 51					
			e _{LN}	20 30 00	60				
			e _{MN}	20 39 00	39		+160		
			M _{1N}	20 41 20	28		+155		
			e _{ME}	20 42 00					
			M _{1E}	20 44 53	19	-61			
M _{2N}	20 50 45	18		-42					
F _N	20 20 ⁺								
24	Oct. 13	IIu	e _{PEN}	6 12 37				Epicenter Aleutian Islands Δ=60°2=6690 km.	
			e _{SN}	6 20 50					
			L _N	6 27 00					
			M _N	6 30 30					
			F _N	7 18 ⁺					
25	Oct. 13	IIu	e _{PEN}	14 28 02				Epicenter Aleutian Islands Δ=60°2=6690 km.	
			e _{SEN} ?	14 36 16					
			L _N	14 46 23	27		+13		
			M _{EN}	14 52 24					
			M _{1E}	14 57 24	13	-10			
			M _{1N}	14 58 11	15		+16		
			F	15 28 ⁺					

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						A _E	μ	A _N	
26	Oct. 13	IIIu	iP _{EN}	19 18 08					Epicenter Aleu- tian Islands Δ=57°2=6360 km.
			e _N	19 19 34					
			PR _{1N}	19 20 28					
			iS _{EN}	19 26 04					
			i _N	19 27 32					
			eL _N	19 33 12					
			iM _N	19 43 00	17		+40		
			M _{1N}	19 43 05	16		+30		
			M _{1E}	19 43 44	16		-33		
			M _{2N}	19 45 37					
			M _{3M}	19 47 08	13			+31	
F	20 58 [±]								
27	Oct. 19	Ir	eP _N	20 54 48					
			e _N	20 55 14					
			e _N	20 55 35					
			e _{EN}	20 55 50					
			eS _{EN} ?	20 59 24					
			iS _{EN}	20 59 43					
			e _N	20 01 35					
			eL _N	20 07 00					
			M _N	20 08 00					
			F	20 18 [±]					
28	Oct. 22	Ir	eP _E	12 40 37					
			eS _N	12 44 57					
			SR _{1N}	12 45 54					
			SR _{3N} ?	12 46 25					
			eL _N	12 48 11					
			L _{1N}	12 49 03	14		+68		
			iM _N	12 49 20	11		+44		
			iM _E	12 50 57	12		-41		
			F	13 20 ⁺					

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						A_E	A_N		
29	Oct. 22	Ir	P eS _N SR _{1N} L _N iM _N M _{1N} iM _E M _{1E} F	Beginning 13 45 26 13 46 22 13 48 00 13 49 21 13 50 03 13 51 06 13 51 15 14 12 [±]	obsured by	traffic			
30	Oct. 26	Iu	eP' _N ? ePR _{1N} e _N S _c P _c P _c S _N PS _N SR _{1N} SR _{2N} eL _N iM _N M _{1N} M _{2N} F	4 03 22 4 05 19 4 10 19 4 12 09 4 14 54 4 21 40 4 26 04 4 36 01 4 44 05 4 45 06 4 53 35 5 14 [±]					
31	Oct. 26	Iu	eL _N iM _N M _{1N} F	5 30 00 5 49 00 6 02 00 6 18 [±]				Beginning ob- scured by the preceding.	
32	Oct. 26	Iu	M _N F	7 20 00 7 27 [±]				Beginning ob- scure.	
33	Oct. 30	Ir	iP _E iPR _{1E} iS _E eL _E eM _E M _{1E} F	19 48 05 19 48 54 19 53 07 19 58 12 19 59 56 20 01 07 20 28 [±]		8	+7		

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				h.	m.	s.		A_F	μ	A_N			
34	Nov. 1	Iir	iP _E	.1	45	26	7	-4.			Off the coast of British Col- umbia $\Delta=29^{\circ}7$ =3300 km. Epi- center as deter- mined by U.S. Coast and Geo- detic Survey is 49° N. and 129° W.		
			ePR _{1E}	1	46	12							
			eS _E	1	50	18							
			iS _E	1	50	30							
			SR _{1E}	1	52	18							
			SR _{2E}	1	52	43							
			SR _{3E}	1	53	01							
			eL _E	1	55	23							
			L _{1E}	1	55	37						10	+9
			L _{2E}	1	56	26						13	+26
			iM _T	1	57	17							
			M _{1E}	1	57	21						12	+47
			M _{2E}	1	58	14						10	+59
			F	2	25	±							
35	Nov. 5	Iir	eP _E	8	01	03	14	-85			Nicaragua $\Delta=25^{\circ}6=2840$ km.		
			iPR _{1E}	8	01	39							
			iPR _{2E}	8	01	57							
			iS _E	8	05	24							
			eL _E ?	8	06	03							
			iM _E	8	06	23							
			M _{1E}	8	06	34						15	-113
			M _{2E}	8	07	29							
F	8	41	±										
36	Dec. 10	Ir	ePR _{1N}	8	45	42	10	-8			Off the coast of northern Cal- ifornia. $\Delta=27^{\circ}$ =3000 km.		
			e _N	8	46	53							
			eSR _{1N}	8	50	41							
			iSR _{3N}	8	51	22							
			eL _N	8	54	08							
			iM _N	8	55	39							
			M _{1N}	8	56	34							
			F	9	07	±							

Constants

Determined	Component	Period T_0	V	Damping	$\frac{r}{T_0^2}$
December 25	E	6	75	6.3 7.0	0.0086
	N	6.1	79	6.8 7.9	0.0071