

BULLETIN OF THE SEISMOGRAPHIC STATION -1-
 OF THE
 SAINT LOUIS UNIVERSITY, SAINT LOUIS, MISSOURI, U.S.A.
 FOR THE YEAR 1924.

No.	Char.	Date	Phase	G. M. Time			Period s:	Trace Amp. mm.	Remarks
				h.	m.	s.			
1	Ir	Jan. 30	eP _{EN}	20	50	41			$\Delta=22^{\circ}5=2500\text{Km.}$
			eS _E	21	03	39			
			eS _N	21	03	42			
			eL _E	21	05	29			
			eL _N	21	05	36			
			M _E	21	07	13	10	1.6	
			M _N	21	07	13	10	1.6	
F	21	18	±						
2	Iir	Mar. 4	eP _N	10	13	55			$\Delta=29^{\circ}=3220\text{Km.}$ Costa Rica.
			eP _E	10	14	00			
			L _N	10	19	00			
			L _E	10	19	43			
			M _{E1}	10	20	55	13	2.3	
			M _{E2}	10	21	02	8	4.8	
			F	10	52	±			
3	Iu	Mar. 15	eM _{EN}	11	14.9				$\Delta=80^{\circ}5$ Beginn- ing lost in microseisms. Epicenter Sak- halin Island.
			M _{N1}	11	17	19	25	0.2up	
			M _{E1}	11	17	23	25	0.4dwn	
			F	11	29	±			

Bulletin of the Seismographic Station
of the
Saint Louis University, Saint Louis, Missouri, U. S. A.
for the year 1924

No.	Char.	Date	Phase	Time			Period s.	Trace Amp. mm.	Remarks
				h.	m.	s.			
4	I	Mar. 30	e	0	25	±			
			F	1	04	±			
5		Apr. 14	ePR _{1N}	16	41	00			Distance= 122°= 13560 Km. SE part of Mindanao
			ePR _{1E}	16	41	10			
			<u>S_CP_CS_E</u>	16	46	26			
			<u>S_CP_CS_N</u>	16	46	36			
			<u>S_CP_C P_CS_E</u>	16	48	00			
			ePS _E	16	50	53	9		
			ePS _N	16	51	12	14		
			e _N	16	56	40			
			PR _{2E} ¹ (SR ₁)	16	58	00			
			eL _N	17	12	27			
			eL _E	17	13	15			
			eM _N	17	19	00			
			eM _E	17	19	49			
			M _{E1}	17	23	00	28	1.6	
			M _{N1}	17	23	00	30	0.6	
			M _{E2}	17	24	00	27	1.4	
M _{N2}	17	24	00	26	1.2				
F	18	39	±						

Bulletin of the Seismographic Station
of the
Saint Louis University, Saint Louis, Missouri, U. S. A.
for the year 1924

No.	Date	Phase	G. M. Time		Period s.	Trace Amp. MM.	Remarks
			h.	m. s.			
6	Apr. 21	P _N	20	05 51			Distance= 22°9 = 2540 Km. West coast of Mexico. Large ampli- tudes but in- terfered by minute marks. L does not appear.
		P _E	20	05 54			
		S _N	20	09 53			
		S _E	20	09 55			
		F	20	33 -			

Bulletin of the Seismographic Station

-4-

of the

Saint Louis University, Saint Louis, Missouri, U. S. A.

for the year 1924

No.	Char.	Date	Phase	G. M. Time			Period s.	Trace Amp. mm.	Remarks.
				h.	m.	s.			
7		May 1	ePe	20	00	00			Distance=26.7° =2970 Km. Caribbean Sea, Albuquerque Cay.
	iPR _{2E}		20	00	49				
	iS _E		20	04	29	6	1		
	i		20	05	31	6	0.8		
	eSR _{1E}		20	05	34	6	1.2		
	i _E		20	05	37	6	1.4		
	iL _E		20	07	19				
	eM _E		20	08	56	22			
	M _{1E}		20	16	00	9	0.8		
	M _{2E}		20	16	04	9	1.2		
	F		20	47	-				
	8			June 30	eP _E	15	56	31	
sS _E		16	06		36	7	0.8 dwn.		
i			06		39	7	1.6 up		
PS _E			07		30				
SR _{1E}			12		02				
SR _{3E}			17		20				
eL _E			18		23				
eM _E			20		28				
M _{1E}			30		14	19	0.4 dwn.		
F			39		-				

-5-

Bulletin of the Seismographic Station
of the
Saint Louis University, Saint Louis, Missouri, U.S.A.
for the year 1924

No.	Char.	Date	Phase	G. M. Time			Period	Trace Amp.		Remarks
				h.	m.	s.		s.	mm.	
9	Iu	July 3	PS _E	5	07	47				Tibet
			PS _N	5	07	50				
			SR _{1EN}	5	13	33				
			SR _{2E}	5	18	16				
			SR _{2N}	5	18	20				
			SR _{3N}	5	21	22				
			SR _{3E}	5	21	26				
			e _E	5	23	17				
			e _E	5	24	57				
			eL _{EN}	5	26	00				
			i _E	5	30	00				
			iM _{EN}	5	33	00				
			M _{E1}	5	34	22	33	0.6		
			M _{E2}	5	40	51	13	0.4		
			M _{N1}	5	45	51	22	0.8		
F	6	00	±							

Bulletin of the Seismographic Station

-6-

of the

Saint Louis University, Saint Louis, Missouri, U.S.A.

for the year 1924

No.	Char.	Date	Phase	G.M. Time			Period	Trace Amp.	Remarks
				h.	m.	s.			
10	Iu	July 11	ePR _{2N}	20	05	00			Distance= 98.5=10950 Km. Turkes- tan
			iPR _{3N}	20	06	18			
			eS _N	20	09	37			
			iPS _{EN}	20	11	00			
			e _E	20	12	06			
			e _N	20	15	32			
			SR _{1E}	20	16	47			
			e _E	20	18	00			
			e _N	20	18	45			
			SR _{2EN}	20	21	00			
			SR _{3EN}	20	24	02			
			eL _{EN}	20	29	45			
			eM _{EN}	20	37	00			
			M _{N1}	20	51	28	20	1.2	
			M _{E1}	20	51	29	16	2.0	
			F	21	31	⁺ -			

Bulletin of the Seismographic Station

of the

Saint Louis University, Saint Louis, Missouri, U.S.A.

for the year 1924

No.	Char.	Date	Phase	G. M. Time			Period	Trace Amp.	Remarks
				h.	m.	s.			
11	Iu	Sept. 13	eP _E	14	46	56			Distance-91° = 10110 Km. Epicenter in Armenia about 45° E. Long., 38.5° N. Lat. Amplitudes very small.
			PR _{2E}	14	54	02			
			eS _E	14	58	16			
			i _E	14	58	27			
			i _E	14	59	00			
			i _E	14	59	24			
			i _E	15	00	06			
			eL _E	15	15	00			
			iM _E	15	28	00			
F	15	52 ⁺							
12	I	Oct. 17	e _E	4	37	46			Has the appearance of a near earthquake
			i _E	4	41	25			
			i _E	4	41	49			
			i _E	4	42	16			
			iL _E	4	43	00			
			F	4	49 ⁺				
13	Iv	Oct. 19	iP _{EN} (?)	15	54	02			Near shock
			L _E (?)	15	54	38			
			M _E	15	54	53	9	0.8	
			F	15	59 ⁺				

Bulletin of the Seismographic Station

of the

Saint Louis University, Saint Louis, Missouri, U.S.A.

for the year 1924

No.	Char.	Date	Phase	G.M. Time			AE		Remarks
				h.	m.	s.	Trace	Amp.	
14	Iu	Oct. 20	iP _E	20	03	58			Distance=64° =7110 Km. Epicenter a- bout 55°N. Lat. and 166° E. Long. in the Komandor- ski Is.
			iP _N	20	03	59			
			iS _E	20	12	25	7	0.4	
			iS _N	20	12	25	5	0.2	
			PS _E	20	12	53			
			PS _N	20	12	54			
			e _E	20	20	04			
			e _{EN}	20	20	33			
			eL _{EN}	20	28	00			
			iM _E	20	31	17			
			iM _N	20	31	36			
			M _{1E}	20	32	27	19	0.6	
			M _{1N}	20	33	00	19	0.6	
			F	21	09	±			

Bulletin of the Seismographic Station -9-
of the
Saint Louis University, Saint Louis, Missouri, U.S.A.
for the year 1924

No.	Char.	Date	Phase	G.M. Time	Period	Trace Amp.		Remarks
						AE	AN	
15	Iu	Dec. 28	eP _N	23 07 33(?)				Distance=79° = 8780 Km. Epi- center about 440 N. Lat. and 150° E. Long., S. of the Kur- ile Is.
			PR _{1E}	23 10 52				
			PR _{2N}	23 12 35				
			iS _E	23 17 42				
			eS _N	23 17 47				
			PS _E	23 18 37				
			PS _N	23 18 46				
			SR _{1N}	23 23 09				
			eL _E	23 34 00				
			iM _E	23 39 00				
			iM _N	23 39 20				
			M _{N1}	23 41 00	24		0.4	
			M _{E1}	23 44 00	22	0.4		

End after 23h
59m when the
record was
changed.

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

Latitude of the seismograph vault: 38° 33' 17" N.

Longitude: 90° 13' 59" or 6h. 0m..56s. Gr.

Altitude: 160.4 meters

Foundation: Clay on St. Louis limestone of Mississippian age.

Instrument: Wiechert 30 Kg., inverted pendulum.

For lack of sufficient personnel the constants of the seismograph were not determined during the first eight months of the year. Amplitudes given in the reports for the months January to August are trace amplitudes in millimeters. During the last four months they are reduced to approximate earth amplitudes in microns.

No.	Date	Char.	Phase	G.M. Time h. m. s.	Period s.	Trace Amp.		Remarks
						AE	mm. AN	
1	Jan. 18	IIu	eP _{EN}	12 17 51	9	3.6	2.6	Kuril Islands Δ = 75°5=8390 km.
			ePR _{2N}	12 22 45				
			iS _{EN}	12 27 31				
			i _{EN}	12 27 35				
			PS _E	12 27 57				
			SR _{1N}	12 32 52				
			SR _{2N}	12 36 05				
			eL _N	12 42 00				
			iM _N	12 49 07	21	0.5		
			M _{1N}	12 49 50				
			F	13 34±				

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			Period S.	Trace Amp.		Remarks							
				h.	m.	s.		A _E mm	A _N								
2	Feb. 24	IIr	iP _{EN}	00	01	31	5	0.4	0.9	Reported from Anchorage and other points in Alaska $\Delta = 4201 = 4680$ km.							
			e _N	00	02	31											
			ePR _{1EN}	00	03	14											
			iPR _{2EN}	00	03	49											
			iS _N	00	07	44											
			iS _E	00	07	45											
			PS _{EN}	00	07	54											
			i _{EN}	00	09	13											
			iSR _{1EN}	00	10	34											
			iSR _{2EN}	00	11	17											
			eSR _{3EN}	00	12	05											
			eL _{EN}	00	14	00					7	5.4	2.8	This phase is obscure.			
			iM _{EN}	00	15	34											
			M _{1E}	00	16	03											
			M _{2E}	00	17	02									18	4.6	
			M _{3N}	00	17	04									20		
F	1	00	±														
3	March 1	IIIr	iP _{EN}	2	23	13	6	0.4	0.4	Destructive in the Province of Quebec $\Delta = 1698 = 1870$ km.							
			i _{EN}	2	23	36											
			i _{EN}	2	23	50											
			i _N	2	25	25											
			i _{EN}	2	26	08											
			i _{EN} (S)	2	26	19											
			iL _{EN}	2	26	29									7.5	0.6	1.2
			i(E) _N	2	27	19									8	5.6	
			iM _{EN}	2	28	04											
			M _{1EN}	2	28	20									5	29	36
			i _{EN}	2	29	16											
			i _{EN}	2	30	11											
			F	3	15	±											