

Bulletin of the Seismographic
of the
Loyola University. Chicago. Illinois. U.S.A.



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For the Year 1928.

No	Date	Char.	Phase	G.M.T.			Period		Amplitude.		Remarks
				h.	m.	s.	E	N	E	N	
1	Febr. 5	I u	eE	23	38	00					
			eE	23	38	30					
			eN	23	39	35					
			eE	23	40	29					
			eLE	23	41	28					
			eME	23	42	48					
			F	23	49						
2	Febr. 10		iPE	4	53	15					Absolute time uncertain. Epicenter: Mexico. 19.3N 98°3 W
			i?	4	43	33					
			PR1	4	43	43					
			PR2	4	43	50					
			PR3	4	44	02					
			SE	4	47	35					
			PcS	4	50	23					
			W	4	52	57					
ScS	4	54	12								
3	Febr. 21	IIu	iSEN	20	05	44					
			SR ₁	20	08	20					
			eL	20	13	15					
			M	20	17	55					
			M	20	19	50					
			M	20	21	35					
			M	20	22	20					
			M	20	28	03					
			M	20	28	03					
			F	20	31	55					
4	Febr. 26.		eSN	01	35	30					
			eSR ₁	01	39	40					
			e?N ₁	01	40	55					
			e E	01	44	30					
			iME	01	46	06					
			iME	01	47	15					
			ME	01	52	10					
			ME	01	53	20					

Constants

Date.	Component.	Period.	V.	Damping.	$\frac{1}{T_0^2}$
March 24 1928	N-S	4.7	105	3.02	0.0123
	E-W	5.0	87	2.4	0.012

BULLETIN OF THE SEISMOLOGICAL STATION
OF THE
LOYOLA UNIVERSITY, NEW ORLEANS, LOUISIANA, U.S.A.

Latitude: 29° 54' N.
Longitude: 90° 12' W.
Altitude: 100 ft.
Tectonic: Deep Seismicity
Instruments: 100 ft. inverted pendulum
Type: Wood-Anderson

No. Obs. Date Time Period Trace Amp. Remarks

No. Obs.	Date	Time	Period	Trace Amp.	Remarks
1	1952	12:52:00	1.5	1.5	
2	1952	12:52:00	1.5	1.5	
3	1952	12:52:00	1.5	1.5	
4	1952	12:52:00	1.5	1.5	
5	1952	12:52:00	1.5	1.5	
6	1952	12:52:00	1.5	1.5	
7	1952	12:52:00	1.5	1.5	
8	1952	12:52:00	1.5	1.5	
9	1952	12:52:00	1.5	1.5	
10	1952	12:52:00	1.5	1.5	

No. Obs.	Date	Time	Period	Trace Amp.	Remarks
11	1952	12:52:00	1.5	1.5	
12	1952	12:52:00	1.5	1.5	
13	1952	12:52:00	1.5	1.5	
14	1952	12:52:00	1.5	1.5	
15	1952	12:52:00	1.5	1.5	
16	1952	12:52:00	1.5	1.5	
17	1952	12:52:00	1.5	1.5	
18	1952	12:52:00	1.5	1.5	
19	1952	12:52:00	1.5	1.5	
20	1952	12:52:00	1.5	1.5	

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				h.	m.	s.	E	N	E	N	
5	March 9 1928	IIIu	eP'?	18-25-17							$\Delta = 144^\circ$ Epicenter: 39°E 1°S.
			PR ₁ E	18-28-26							
			PR ₂ E	18-31-15							
			ScPcPcS	18-34-46							
			PPS	18-40-40							
			SR ₁	18-46-28							
			SPS	18-46-55							
			SR ₂	18-52-06							
			PSES	18-52-07							
			PPSS'	19-02-35							
			L	19-11-							
			M	19-22-27			27			42	
			ME	19-25-50			24			45	
			ME	19-28-50			21			56	
			ME	19-30-48			20			90	
			M	19-33-49							
M	19-37-00										
W ₂	20-03-20										
6	March 16 1928	IIIu	eP'E	5-18-51							$\Delta = 113.9$ 03 0=5h 01m 00s Epicenter according to St. Louis Prelim.: 23°S 171°E
			eE	5-21-08							
			ePR ₂	5-22-54							
			eE	5-24-06							
			ePR ₄	5-26-23							
			ScPcPcS	5-27-36							
			ePSE	5-29-30							
			eE	5-30-08							
			ePPPS	5-31-30							
			eSR ₁ E	5-35-34							
			ePPSS	5-36-18							
			eE	5-36-58							
			ScPcPcS'	5-38-33							
			SR ₂	5-41-18							
			iLE	5-55-18							
			M ₁ EN	5-58-23			21			150	
				to							
				6-03-48							
			M ₂	5-05-45							
	5-to										
	5-08-08										
M ₃	6-09-43			17			120				
	to										
	6-14-08										
M ₄	6-20--										
	to										
	6-22-18										
M ₅	6-23-43										
	to										
	6-27-18										

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for the Year 1928

No	Date	Char.	Phase	G. M. T.			Period		Amplitude		Remarks		
				h.	m.	s.	E	N	E	N			
8	March 16 Concluded		M ₄ E	6	20	00							
					to								
					6-22-18								
			M ₅	6	23	43							
					5-27-18								
			M ₆	6	28	38							
					2to								
					29-00								
			M ₇	6	29	43							
					to								
					31-13								
			M ₈	6	33	43							
					to								
					34-09								
M ₉	6	36	00										
		to											
		37-33											
M ₁₀													
EW ₂ E	7	13	08										
M ₁₀	7	17	45										
M ₁₁	7	10	38										
		to											
		7-24-09											
F	7	34											
9	March 22 1928	IIIr	iPEN	4	22	43							
			iPR ₁ EN	4	23	28							
			iPR ₂ E	4	23	39							
			iPR ₃	4	23	47							
			PcP ?		25	44?							
			iSEN	4	27	28							
			eSR ₁	4	28	01							
			eSR ₂ N	4	29	24							
			eSR ₃ N	4	29	39							
			L		30	42							
			ScS	4	33	15							
			M ₁ EN	4	33	28	16	16					
			M ₂ E	4	37	24	17		550	700			
			M ₃	4	39	17	18	18	450				
			M ₄	4	40	02	18	18	460	410			
			M ₅ N	4	40	24	45	15		500			
PcScP	4	41	24										
F	6	00											

Δ = 4h16m 34s

$$\Delta = S-P = 28^{\circ}.7$$

Epicenter:

Off the coast of
Mexico.

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For the Year 1923

Yg 22	Date	Char.	Phase	G. M. T.			Period		Amplitude		Remarks
				h.	m	s	E	N	E	N	
23	Sept. 22	II r	e? E eL ? M	8	17	00					
				8	26	14					
				8	27						
24	October 9	III r	1P IN 1PR1 1PR2 1PR3 1PcP 1S EN 1SR1 1SR2 1SR3 L M ScS M PcSScP n M; M M F	3	06	54					
				07	37						
				07	49						0- 3h 00m 44s
				07	53						Δ - 29°9
				09	56						Epic. 14°7N 97°5 W
				3	11	34					In the Pacific
					13	04					Ocean. Off the
					13	28					Coast of Mexico
					13	38					
				3	14	52					
					17	22					
					17	42					
				3	19	20					
					to						
					20	50					
				3	25	46					
				3	20	52					
					to		18	18			
				3	23	25					
				3	23	30					
					to		18	18			
				3	24	30					
				3	24	40					
					to						
				3	25	50					
				3	31	40					
					to						
				3	32	10	12	12			
				4	30						
25	October 25	II r	eP ePR1 ePR2 ePR3 eS L I	12	39	09					
				12	39	59					0 X -12h 32m 42s
				12	40	10					Δ -30°
				12	40	32					Epic. 11°2N 87° W
				12	44	04					
				12	47	26					
				12	49	38					

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No	Date	Char.	Phase	G. M. T.			Period		Ampl.		Remarks
				h	m	s	E	N	E	N	
26	Nov. 1	III r	1P EN	4	17	35					0-4h 12m 37s Δ - 21.8 Epic. 25.2° N 106° W Destructive in Mexico.
			ePR3	4	13	08					
			eS n	4	21	27					
			1P	4	21	44					
			PcP	4	21	44					
			eSR1	4	22	17					
			eSR2	4	22	30					
			eSR3	4	22	39					
			L	4	23	08					
			M	4	23	37					
			EPcS	4	25	22					
			I		26	10					
					to						
		27	30								
		F	5	10							
27	Nov. 20	II u	1	20	55	49					
			1	20	56	59					
			e		57	43					
			e	21	00	36					
			eL?	21	00	42					
M	21	07	00								
28	Dec. 1	III u	P	4	13	06				0- 4h 06 m 25s Δ -75.6 Epic. 33° S 74.5 W	
			1PV	4	13	16					
			eSE	4	27	55					
			1PS	4	28	29					
			L	4	40	43					
			I	4	45	07					
			I	4	49	50					
F	5	30									

BULLETIN OF THE
 NICHOLAS D. BURKE SEISMIC OBSERVATORY
 LOYOLA UNIVERSITY, NEW ORLEANS, LOUISIANA, U.S.A.
 APRIL, 1926

No.	Date	Char.	Phase	G.M. Time			Period	Amplitude	Remarks
				h.	m.	s.			
6	April 12	Iu	e	9	00	00			All waves of long period and of small amplitude
			F	11	16	±			
7	April 28	Iu	e	11	23	00			
			F	12	00	±			

O. L. Abell, S.J.

REPORT OF THE
 NATIONAL CENTER OF EARTHQUAKE ENGINEERING
 AND SEISMOLOGICAL OBSERVATION
 SYSTEMS
 U.S.G.S.

Station	Amplitude	Period	O.C. Time		Phase	Scale	Time	Notes
All waves of large amplitude from 1000 to 1100 hours			00	00	S	3	10	
			14	36	11	3		
			00	00	11	3	10	
			14	36	11	3		

U.S. GEOLOGICAL SURVEY
 WASHINGTON, D.C.

BULLETIN OF THE
 NICHOLAS D. BURKE SEISMIC OBSERVATORY
 LOYOLA UNIVERSITY, NEW ORLEANS, LOUISIANA, U.S.A.
 JUNE 1926.

No.	Date	Char.	Phase	Time G.M.T.			Period s.	Trace Amplitude		Remarks
				h.	m.	s.		A _E mm	A _N	
8	June 26	IIu	i _E	20	00	02				$\Delta = 34.9 = 9430 \text{ Km.}$ Reported from Crete, Malta and Isle of Rhodes.
			i _E	20	01	49				
			PR _{1E}	20	02	43				
			PR _{3E}	20	05	54				
			i _E	20	07	17				
			i _E	20	08	11				
			iS _E	20	10	04				
			i _{EN}	20	10	27	7		3	
			i _E	20	10	46	7		6	
			i _E	20	10	54				
			PS _E ?	20	11	04	8		5.5	
			PPS _N ?	20	11	27				
			i _{EN}	20	11	58				
			i _E	20	12	46				
			i _E	20	14	11				
			SR _{iE} ?	20	15	59				
			i _E	20	16	16				
L _E	20	26	27	18						
M _E	20	32	48	16						
M _{1E}	20	40	36	17		0.6				
F _E	20	55	±							

BULLETIN OF THE NICHOLAS D. BURKE SEISMIC
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LOYOLA UNIVERSITY, NEW ORLEANS, LOUISIANA.



No.	Char.	Date	Phase	G.M. Time		Period s.	Trace Amp.		Remarks
				h.	m. s.		A _N mm.	A _E	
15	Iu	1926 Sept. 16	eP _N ? eL _N ? eM _N M _N M _N M _N M _N F	18 20 09 18 46 25 18 56 12 18 58 52 19 04 00 19 08 20 19 11 00 19 59 [±]					
16		Sept. 20	from to	13 40 22 00		5		Large Micro- seisms with average period of 5 seconds reaching max- imum ampli- tudes period- ically at inter- vals of from 50 to 90 sec- onds.-Tropi- cal storm pounding at Pensacola at time.	
17	Iu	Oct. 3	P _N ? S _N ? L M F	19 56 45 20 15 00 20 34 40 20 43 28 20 09 [±]		20			
18	Iu	Oct. 13 (1)	eP _N e M F	6 13 10 6 21 15 6 43 30 7 49 [±]					
		Oct. 13 (2)	eP _N eL _N eM F	14 28 20 14 56 23 15 02 18 15 50 [±]					
		Oct. 13 (3)	eP _N S _N L M F	19 18 33 19 27 10 19 44 10 19 50 30 22 00 [±]					
19	Ir	Oct. 19	eP? iP _N i _N S _N ? L _N F	20 53 20 20 53 41 20 54 53 20 56 17 20 57 20 21 20 [±]		7	3		

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 FOR THE YEAR 1926.

No.	Char.	Date	Phase	G. M. Time h. m. s.	Period s.	Trace Amp.		Remarks	
						AN	mm AE		
20	Ir	Nov. 1	P	1 47 59	9				
			S	1 52 08					
			L	1 56 40					
			M	1 58 55					
			F	2 59 ⁺					
21	IIIr	Nov. 5	O	7 55 16	10			Remarkably great ampli- tude of Prim- ary and Sec- ondary. More pronounce than E-W Nicaragua quake.	
			iPN	7 59 22					43
			?iN	7 59 58					
			iSN	8 02 39					43
			?iSR ₂ N	8 03 15					
			L _N	8 04 35					15
			M _N	8 05 16					20
			F	9 25 ⁺					
22	Ir	Dec. 10	S	8 50 32					
			L	8 56 30					
			M	9 02 52					
			F	9 22 [±]					

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 FOR THE YEAR 1927.

No.	Char.	Date	Phase	G.M. Time h. m. s.	Period s.	Trace Amp.		Remarks
						A _N mm	A _E	
1	Ir	Jan. 1	e L F	8 29 04 8 34 40 8 55±				Mexicali quake.
2	?	Jan. 7	L F	10 29 45 10 40±				
3	?	Jan. 18	P L	1 20 15 1 23 05			Seismic?	
4	?	Jan. 23	L M F	2 02 19 2 13 04 3 48 39				
5	Iu	Feb. 16	P S? M F	1 48 05 1 57 15 2 29 10 4 32±				Kurile Islands in Pacific.
6	?	Feb. 1	L F	23 52 00 24 23 50				
7	?	Feb. 23	P? L F	4 21 06 4 27 14 4 51±				
8	Iu	Mar. 7	L M F	10 06 13 10 28 21 11 17 11				
9	?	Mar. 10	P S L F	4 18 23 4 22 58 4 28 03 4 55 13				
10	Iu	Apr. 14	P iP _C P iPR ₁ ? iPR ₂ ? iS iPPS iSR ₁ L F	6 34 08 6 34 38 6 37 36 6 39 20 6 42 48 6 43 22 6 47 54 6 53 49 7 25 40				Santiago, Chile.

1926

BULLETIN OF THE SEISMOLOGIC STATION -1-
OF THE
LOYOLA UNIVERSITY, NEW ORLEANS, LOUISIANA, U.S.A.

Latitude: 29° 56' 54" N.
Longitude: 90° 07' 12" W.
Altitude: 2 meters
Terrain: Deep alluvium
Instrument: Wiechert, 30 Kg. inverted pendulum
Time: Mean Greenwich

No.	Char.	Date	Phase	G.M. Time	Period	Trace Amp.		Remarks
						AE	AN	
1	IIIr	Feb. 8	iP _N	15 22 00				Δ=19.7= 2190 Km.
			iPR _{1N}	15 22 20	7		5.6	
			iS _N	15 25 36				
			i _N	15 25 52	11		7.2	
			iL _N	15 27 00	38		8	
			iM _N	15 29 00				
			M _{N1}	15 32 37	22		24	
			M _{N2}	15 40 46	14.5		19.2	
2	IIr	Feb. 15	eP _N	3 03 43				Δ=18.7= 2080 km.
			iP _N	3 03 52	5.5		7.2	
			iS _{EN}	3 07 10				
			i _N	3 07 15	13		5	
			i _E	3 07 26	4.3	4.4		
			iL _N	3 09 12				
			M _{N1}	3 23 14	14		7.6	
			F	4 47 ±				

REPORT OF THE SEISMOLOGICAL SERVICE
OF THE
LITTLE ROCK UNIVERSITY, NEW ORLEANS, LOUISIANA, U.S.A.

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REPORT OF THE SEISMOLOGICAL SERVICE
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NO. OF OBS.	DATE	TIME	LOCATION	MAGNITUDE	DEPTH	REMARKS
1	1950	10:30
2	1950	11:15
3	1950	12:00	...	...	...	...
4	1950	13:45	...	...	...	...
5	1950	14:30	...	...	...	...
6	1950	15:15	...	...	...	...
7	1950	16:00	...	...	...	...
8	1950	16:45	...	...	...	...
9	1950	17:30	...	...	...	...
10	1950	18:15	...	...	...	...
11	1950	19:00	...	...	...	...
12	1950	19:45	...	...	...	...
13	1950	20:30	...	...	...	...
14	1950	21:15	...	...	...	...
15	1950	22:00	...	...	...	...
16	1950	22:45	...	...	...	...
17	1950	23:30	...	...	...	...
18	1950	24:15	...	...	...	...
19	1950	25:00	...	...	...	...
20	1950	25:45	...	...	...	...
21	1950	26:30	...	...	...	...
22	1950	27:15	...	...	...	...
23	1950	28:00	...	...	...	...
24	1950	28:45	...	...	...	...
25	1950	29:30	...	...	...	...
26	1950	30:15	...	...	...	...
27	1950	31:00	...	...	...	...
28	1950	31:45	...	...	...	...
29	1950	32:30	...	...	...	...
30	1950	33:15	...	...	...	...
31	1950	34:00	...	...	...	...
32	1950	34:45	...	...	...	...
33	1950	35:30	...	...	...	...
34	1950	36:15	...	...	...	...
35	1950	37:00	...	...	...	...
36	1950	37:45	...	...	...	...
37	1950	38:30	...	...	...	...
38	1950	39:15	...	...	...	...
39	1950	40:00	...	...	...	...
40	1950	40:45	...	...	...	...
41	1950	41:30	...	...	...	...
42	1950	42:15	...	...	...	...
43	1950	43:00	...	...	...	...
44	1950	43:45	...	...	...	...
45	1950	44:30	...	...	...	...
46	1950	45:15	...	...	...	...
47	1950	46:00	...	...	...	...
48	1950	46:45	...	...	...	...
49	1950	47:30	...	...	...	...
50	1950	48:15	...	...	...	...
51	1950	49:00	...	...	...	...
52	1950	49:45	...	...	...	...
53	1950	50:30	...	...	...	...
54	1950	51:15	...	...	...	...
55	1950	52:00	...	...	...	...
56	1950	52:45	...	...	...	...
57	1950	53:30	...	...	...	...
58	1950	54:15	...	...	...	...
59	1950	55:00	...	...	...	...
60	1950	55:45	...	...	...	...
61	1950	56:30	...	...	...	...
62	1950	57:15	...	...	...	...
63	1950	58:00	...	...	...	...
64	1950	58:45	...	...	...	...
65	1950	59:30	...	...	...	...
66	1950	60:15	...	...	...	...
67	1950	61:00	...	...	...	...
68	1950	61:45	...	...	...	...
69	1950	62:30	...	...	...	...
70	1950	63:15	...	...	...	...
71	1950	64:00	...	...	...	...
72	1950	64:45	...	...	...	...
73	1950	65:30	...	...	...	...
74	1950	66:15	...	...	...	...
75	1950	67:00	...	...	...	...
76	1950	67:45	...	...	...	...
77	1950	68:30	...	...	...	...
78	1950	69:15	...	...	...	...
79	1950	70:00	...	...	...	...
80	1950	70:45	...	...	...	...
81	1950	71:30	...	...	...	...
82	1950	72:15	...	...	...	...
83	1950	73:00	...	...	...	...
84	1950	73:45	...	...	...	...
85	1950	74:30	...	...	...	...
86	1950	75:15	...	...	...	...
87	1950	76:00	...	...	...	...
88	1950	76:45	...	...	...	...
89	1950	77:30	...	...	...	...
90	1950	78:15	...	...	...	...
91	1950	79:00	...	...	...	...
92	1950	79:45	...	...	...	...
93	1950	80:30	...	...	...	...
94	1950	81:15	...	...	...	...
95	1950	82:00	...	...	...	...
96	1950	82:45	...	...	...	...
97	1950	83:30	...	...	...	...
98	1950	84:15	...	...	...	...
99	1950	85:00	...	...	...	...
100	1950	85:45	...	...	...	...