

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



For the Year 1928.

No	Date	Char.	Phase	G.M.T. h. m. s.	Period		Amplitude.		Remarks
					E	N	E	N	
1	Febr. 5	I u	eE eE eN eE eLE eME F	23-38-00 23-38-30 23-39-35 23-40-29 23-41-28 23-42-48 23-49.					
2	Febr. 10		iPE i? PR1 PR2 PR3 SE PcS H ScS	4-53-15 4-43-33 4-43-43 4-43-56 4-44-02 4-47-35 4-50-23 4-52-57 4-54-12					Absolute time uncertain. Epicenter: Mexico. 19.8N 98.8 W
3	Febr. 21	IIu	iSEN SR eL M M M M M M M F	20-05-44 20-08-20 20-13-15 20-17-55 20-19-50 20-21-35 20-22-20 4-26-28-03 20-28-03 20-30-40 20-31-55					
4	Febr. 26.		eSN eSR e?N e E iME iME ME ME	01-35-30 01-39-40 01-40-55 01-44-30 01-46-06 01-47-15 01-52-10 01-53-20					

Constants

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

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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					
			ScPcBcs	18	34	46					
			PPS	18	40	40					
			SR ₁	18	46	28					
			SPS	18	46	55					
			SR ₂	18	52	06					
			PSSS	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	53	23	21		150		
					to	6-03-48					
			M ₂	5	05	45					
					to	5-08-08					
			M ₃	5	09	43					
		to	6-14-08	17		120					
M ₄	6	20	--								
		to	6-22-18								
M ₅	6	23	43								
		to	6-27-18								

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				h.	m.	s.	E	N	E	N	
10	April 9 1928		eE eLE M M M M-F	17-52-08 17-59-54 18-04-14 18-14-54 18-15-49 19-40-							
11	April 13 1928		eP _N ? ePR ₁ N? iS _{EN} eE eE eE eL? eM eM M M F	23-22-03 23-22-45 23-26-50 28-05 29-05 33-57 23-37-90 37-45 38-05 39-55 44-05 24-						$\Delta = 29^{\circ}.2$ 0 23h 15m 40s Epicenter according to Macelwane: 13°N 95°W	
12	April 14 1928		e? e? M M M M	9-33-52 9-43-16 9-44-52 9-46-16 9-48-16 9-50-09						Epicenter in Bulgaria.	
13	April 17 1928		iPEN ePR ₁ N eSEN iEN iSR ₁ N iLEN eMEN eME F	3-30-45 3-31-37 3-35-11 3-36-01 3-36-26 3-36-52 3-39- 3-42-40 3-56						$\Delta = 26^{\circ}.2$ 03h 24m 56s Tentative epi- center accor- ding to St. Louis 16.3N 95.6W	
14	April 18 1928	IIIu	ePN ePR ₂ E ePR ₃ N iSEN iPS eLN eM eM F	19-34-51 19-39-31 19-40-54 19-44-26 19-45-16 20-00-35 20-02-35 20-41-08 20-13---						$\Delta = 74^{\circ}.9$ Epicenter: Bulgaria.	

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				h.	m.	s.			
15	April 27	I u.	eO eS e M	20 20 20 20	44 52 58 06	20 00 13 00		Destructive in Greece.	
16	May 14	III u.r.	ePE iPN iPR1 iPR2 PcS iS ePS eSR1 iSR2N iL PcScP M M F	22 22 25 26 28 30 30 33 35 38 40 42 45 45 24	23 23 25 26 45 19 29 53 42 00 25 10 00 30 10	24 35 26 05 45 19 29 53 42 00 25 10 00 30 10		Epic. in Northern Peru. Δ 47°9 Epic. 5°4 S. 78°5 W.	
17	June 17	III r	iP EN iPR1 iPR2 iPR3 iS iSR1 iSR2 iSR3 iL iM iM iM PcSScP F	3 3 3 3 3 3 3 3 3 3 3 3 3 3 5	25 26 26 26 30 30 32 32 33 35 36 38 43 56	24 10 24 31 12 50 10 28 43 54 23 30 42 42	15 15 15 15 700	1250	0- 3h 19m 05s Δ 29°3 Epic. -14°5N 96°8 W according to St. Louis prelim. Off Acapulco Deep West of of Mexico.
18	June 21	II u	eP N iPR1 ePcP ePR2 ePR3 iS ePS iPPPS eSR1 eSR2	16 16 16 36 36 40 43 40 43 44	34 35 36 36 34 29 33 41 25 20	19 52 18 10 34 29 33 41 25 20		0-16h 26m 51s Epic.- 59°8 N 151W Acapulco Deep off Mexico.	

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				h	m	s	E	N	E	N	
18	June 21 continued		SR3	16	44	41					
			I	16	44	25					
			M		47	56	15	15	900		
			M		49	57	15			630	
			PcSScP F	17	41						
19	June 29	II u	M	23	41	10					
			M	23	45	05					
			M	23	45	30					
			M	23	52	12					
20	July 18	III u	eP N	19	13	33					
			ePcP	19	14	56					0-19-04-48
			ePR1	19	15	45					-430
			ePR3	19	16	50					
			iS E	19	20	46					
			PS E	19	21	57					Epic. 6°55
			iScS	19	23	41					79°5 W
			eSR1	19	24	34					
			eSR2	19	26	05					
			eSR3	19	26	44					
			eL	19	28	46					
eI	19	31	46								
21	August 4	II r	iP EN	19	34	51					
			EPR1	19	32	38					
			iPR2	19	32	52					0- 19h 25m 31s
			iPR3	19	32	55					A - 2993
			iPcP	19	35	42					
			i S EN	19	36	40					Epic in Mexico
			iSR1	19	37	22					
			eSR2?	19	38	42					
			iSR3	19	38	57					
			PcP	19	38	35					
			iL EN	19	40	13					
			I EN	19	42	32					
			PcSScP F	19 20	50	29 40					
22	Sept. 11	II r	eP EN	12	42	33					0-12h 36m 00s
			ePR2	12	43	42					-30°1
			eS N	12	47	32					
			eSR1v	12	49	22					
			eL	12	51	00	10				Epic. -43°N
			I	12	54	13	10				132°W
			Max	12	57	10		10			

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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					
24	October 9	III r	iP LM iPR1 iPR2 iPR3 iPcP iS EN iSR1 iSR2 iSR3 L M ScS M PcSScP M M; M M F	3	06	54					0- 3h 00m 44s Δ - 29°9 Epic. 14°7N 97°5 W In the Pacific Ocean. Off the Coast of Mexico
25	October 25	II r	eP ePR1 ePR2 ePR3 eS L I	12	39	09					0 - 12h 32m 42s Δ - 30° Epic. 11°2N 87° W

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				h	m	s	E	N	E	N	
26	Nov. 1	III r	iP EN	4	17	35					C-4h 12m 37s Δ - 21.8 Epic. 25.9° N 106° W Destructive in Mexico.
			ePR3	4	13	08					
			eS n	4	21	27					
			PeP	4	21	44					
			PeP	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					
			M		26	10					
		to									
			27	30							
		F	5	10							
27	Nov. 20	II u	i	20	55	49					
			i	20	56	59					
			e		57	43					
			e	21	00	36					
			eL?	21	00	42					
			M	21	07	00					
28	Dec. 1	III u	eP	4	18	06					C- 4h 06 m 25s Δ - 75.6 Epic. 33° S 74.5 W
			iPV	4	13	16					
			eSE	4	27	55					
			iPS	4	28	29					
			L	4	40	43					
			I	4	45	07					
			I	4	49	50					
			F	5	30						