





# Jesuit Seismological Service

## RECORD

OF THE

### Earthquake Station, Sacred Heart College

#### DENVER, COLO., U. S. A.



ALTITUDE: 1655 M.  
 LONGITUDE. 104° 56' 54" W. Gr.    LATITUDE: 39° 40' 36" N.  
 TIME: Mean Greenwich, midnight to midnight.  
 INSTRUMENT: Wiechert 80 Kg., astatic, horizontal pendulum.  
 NOMENCLATURE: International.

FROM Febr. 15<sup>th</sup> To Febr. 28<sup>th</sup>

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
			h.	m.	s.		s.	AN	
8									Microseisms and apparent activity on E-W comp. especially.
15									Microseisms and micro-tremors on E-W comp. but too small to be measured.
22									Prudent activity on E-W. - Possibly this is Guayaquil quake, S.A. oscillations almost imperceptible.
26									Continued activity on E-W. - Possibly Qumca quake. (Ecuador, S.A.)
									A. W. Forrestall Jr.



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FROM March 1<sup>st</sup> TO March 31<sup>st</sup>

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
							AN	AE	
			h.	m.	s.	s.	$\mu$	$\mu$	
8	<i>I<sub>r</sub> e</i>	<i>Pe</i>	16	4					<i>This record is super- posed on that of heavy machinery in motion near by - Clear on E-W but untrustworthy on N-S Probably Guatemala quake.</i>
		<i>Se</i>	?						
		<i>Tc</i>	16	9			4		
		<i>Me</i>	16	10		15	6.2		
		<i>Ce</i>	16	13					
		<i>Fe</i>	16	21					
14									<i>Seismic activity du- ring day but a severe wind was raging and no clear record to be seen of quake in Indies at Sanji and Calau.</i>
18-19									<i>activity and minor tremors but doubtful. No record of quake re- ported by Georgetown Univ. and Cleveland, O.</i>
31	<i>I<sub>r</sub> e</i>	<i>Pe</i>	4	3					<i>Very distinct but very small oscillations. Probably quake repor- ted by Georgetown Univ. The times coincide.</i>  <i>A.W. Forrestall Jr.</i>
		<i>Pu</i>	?						
		<i>Se</i>	4	13					
		<i>Sm</i>	4	12					
		<i>Me</i>	4	16					
		<i>Mu</i>	4	17					
		<i>Ce</i>	?						
		<i>Cu</i>	?						
		<i>Fe</i>	4	24					
		<i>Fu</i>	4	24					



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FROM April 1st TO April 30<sup>th</sup>

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
							AN	AE	
			h.	m.	s.	s.	$\mu$	$\mu$	
3			17	1					No sure record of Behring Str. quake except perhaps at 17:1 whilst heavy machinery was in motion nearby.
12	Iv L	Ic	8	13					Fulle quake near Salt-Lake, Utah. Period is so small that it cannot be measured.
		In	8	13					
		Mc	8	13	45			20	
		Mu	8	14				25	
		Ic	8	14					
		In	8	14					
13								No perceptible record of minor quake in S. Bernardino, Cal. -	
17								No perceptible record of quake of N. Carolina.	
28								No sure record of N.Y. quake; only slight oscillations of doubtful character.	
									A.W. Forrestall S.J.















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FROM *August 1<sup>st</sup>* TO *August 31<sup>st</sup>*

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS	
							AN	AE		
			h.	m.	s.	s.	$\mu$	$\mu$		
6	II r.e.	Pu	22	33	?					<p><i>This is a Peruvian quake in which the towns of Casavello and Suicacha are reported to have been destroyed. Preliminary very indistinct. Only one portion of record is regular; most of it is made up of waves that are not smooth, but very irregular and ill formed. Possibly owing to local conditions; weather was stormy at the time.</i></p>
		Pe	22	28	?					
		Su	?	?	?					
		Se	22	36						
		Lu	22	42		20-30				
		Le	22	44		20-30				
		Mu	22	50		20-30	8-10			
		Me	22	47		20-30		12-15		
		Cu	22	58						
		Ce	23	5						
Fu	23	7								
Fe	23	14								
10-11									<p><i>Activity during day. No sure indications however of Lake Placid quake, N. Y.</i></p>	
29	I r.e.	Pu	1	32					<p><i>Messine quake not seen. Curve very irregular especially on E-W. What is remarkable about this record is that activity is noticed the whole night from 1:32 on. These wavelets are on the contrary very smooth but very small.</i></p>	
		Pe	1	32						
		Su	?	?						
		Se	?	?						
		Lu	?	?						
		Le	?	?						
		Mu	1	39		30	10-12			
		Me	1	37		?		?		
		Cu	?							
		Ce	?							
Fu	1	49								
Fe	1	49								
30									<p><i>Activity but much less than preceding day.</i></p> <p style="text-align: right;"><i>A. W. Forrestall Jr</i></p>	







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FROM October 1<sup>st</sup> TO October 31<sup>st</sup>

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
			h.	m.	s.		s.	AN	
2		Pn	4	40				Color quake. Visible but extremely small. Time must be considered as doubtful. Tremors during day and activity.	
		Pe		8					
		Mn	4	45					
		Me	4	45					
		Fn	4	52					
		Fe	4	52					
4-5								Second Panama quake and quake in Naples. Activity during day but no sure record of these.	
14		Mn	21	28				Seven Devils quake (Oregon) near Snake river. Only doubtful record. Max disturb. 21:28 to 21:37	
		Me	21	28					
		Fn	21	37					
		Fe	21	37					
17		Mn	20	13				Quake reported in Nicaragua. Only doubtful record. Max between 20:13 and 20:31.	
		Me	20	13					
		Fn	20	31					
		Fe	20	31					
24		Mn	15	3				No sure record of the 3 <sup>rd</sup> Panama quake. More prominent tremors at 15:3.	
		Me	15	3					
25		Mn	18	29				San Francisco quake. No record proper was secured. Activity considerable the whole day. Max. 18:29-19.	
		Me	18	29					

A. W. Horstall S. J.







