

RECORD
 OF THE
Earthquake Station, Sacred Heart College
DENVER, COLO., U. S. A.



ALTITUDE: 1655 Met.
 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 JAN. 1ST. TO JAN. 31ST.

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An. M. W.	Ae.		
4	m.i.e.	Pn	4	26					Preliminaries rather indistinct.	
		Pe	4	26						
		Sn	4	30						
		Se	4	30						
		Ln	4	35		8	2.0			
		Le	4	35		8		2.5		
		Mn	4	35		8	3.0			
		Me	4	36	30	6		6.0		
		Cn	4	40						
		Ce	4	38						
		Fn	4	46						
		Fe	4	44						
15		Ln	13	30				Distinct but too small to be analyzed.		
		Le	13	30						
		Fn	13	40						
		Fe	13	40						
17							Activity visible at intervals during day.			
20		Ln	13	46				Distinct but very small.		
		Fn	13	59						
22							Wavelets at intervals during day.			
25							Thickening of penmarks and wavelets during day.			

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Jesuit Seismological Service

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FROM FEBR. 1ST. To FEBR. 29TH

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An.	Ae.		
							<i>m. m.</i>			
2		Ln	12	14					Intermittent sinusoidals.	
		Le	12	12					No preliminaries visible.	
		Fn	12	19					Much stronger on E-W.	
		Fe	12	19					Small amplitude, long period.	
		Ln	12	22					Recurring of sinusoidal.	
		Le	12	22		15-20	0.25			
		Fn	12	33						
		Fe	12	33						
		Ln	13	32						Hardly perceptible on N-S.
		Le	13	32						
		Me	13	41		20	0.5			
	5		Ln	2	30					Visible activity.
		Fn	3	44						
28									Visible activity at intervals during day.	
									Stronger on E-W.	

A. W. FORSTALL, S. J.
Director.

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FROM MARCH 1st. TO MARCH 31st.

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An.	Ae.		
13										Visible activity and irregular waves from 12 to 15.
20	I.e.r.	Ln	17	56						
		Le	17	57						
		Mn	17	57	7	3.5				
		Me		?						
		Fn	18							
		Fe	18							
21										Activity at intervals during day.
24										Wavelets at intervals during day. Somewhat doubtful as to being seismic.
29	II.e.r.	Pn	5	12						Preliminaries not distinct.
		Pe	5	12						
		Sn	5	16						
		Se	5	16						
		Ln	5	20						
		Le	5	20						
		Mn	5	22	8	2				
		Me	5	22	12		3			
		Cn	5	23						
		Ce	5	26						
		Fn	5	36						
		Fe	5	36						

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FROM April 1st To April 30th

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
							AN	AE	
			h.	m.	s.	s.	m. m.		
5		In	23	31					Visible activity at intervals during day.
		Mn	23	41					
		In	23	49					
7	I.e	In	21	23					Prelim. not discernible. Waves very small but clear.
		Mn	21	27					
		In	21	30					
14-15		In	2	30					Waves discernible
		In	4	20					
19	II.i.	In	21	9	30				4 sets of waves at an interval of about 2 min. Prelim. not discernible
		In	21	9	30				
		Mn	21	10		3-4	2		
		Me	21	10		3-4		2	
		Cn	21	19					
		Ce	21	19					
		In	21	26					
	In	21	26						

A. W. Forrestall S.J.
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FROM June 1st TO June 30th

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An. m.	Ae. m.		
2	i.I	Pe	22	7	30					Prelimin. indistinct.
		Pu	22	7	30					
		Se	?							
		Su	22	8						
		Ie	22	9		10-12				
		In	22	10		10-12				
		Me	22	12		10	2			
		Mn	22	10	30	10		2		
		Ce	22	13						
		Cn	22	12						
		Fe	22	16						
Fu	22	17								
5-6									Activity on E-W at intervals during day.	
15		In	13							Visible waves especially on N-S.
		Fu	13	20						

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FROM Sept. 1st TO Sept. 30th

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
							AN	AE	
			h.	m.	s.	s.	m. m.		
9-10									activity on both comp. during day.
17									Visible waves at intervals during day.
20	III.u.e	Pe	15	2					Pulim. not visible on N-S comp. numerous sets of waves with intervals of calm between. Heavy machinery in motion nearby.
		Pn		?					
		Se	15	12					
		Sn		?					
		Ie	15	23		18		1.10	
		In	15	24		18		1.12	
		Me	15	31		17-18		1.10	
		Mn	15	31		17-18		1.12	
		Ce	17	2					
		Cn	17	2					
		Fe	17	8					
		Fn	17	8					
24									Visible activity at intervals during day.

A. W. Forrestall, Jr.

Sacred
Heart
College
DENVER, COLO.

Jesuit Seismological Service

Denver, Colorado, Station, U. S. A.

Seismic Record No. *8 (August)* Date *11th Sept.* M., 19*20*

COMP.	P ₁			P ₂			MAIN			END			MAX.			MAXIMUM DOUBLE AMPLITUDE
	H	M	S	H	M	S	H	M	S	H	M	S	H	M	S	
N-S																
E-W																

Alt., 1655 M. Long., 104° 56' 54" W. Gr. Lat., 39° 40' 36" N. Time, 105th Meridian.
Wiechert 80 Kg., Astatic, Horizontal. ~~Magnif. 80.~~ ~~Period. 7 Secs.~~ ~~Damp. 5:1~~

REMARKS: *no quakes recorded during August.*

A. W. Forstall

Director.

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FROM October 1st TO October 31st

DATE	CHAR.	PHASE	TIME			PER.	AMPL.		△	REMARKS
			h.	m.	s.		An.	Ae.		
							m. m.			
1	II. i	Ie	19	2					Prelim. not discernible	
		In	19	2						
		Me	19	4		10-12	3			
		Mn	19	5		4-6	1			
		Ce	19	9						
		Cn	19	9						
		Fe	19	19						
		Fn	19	19						
22	I. e.	Ie	21	15				Prelim. not discernible. Record weak and much disturbed by min. marks. A. W. Forrestall S.J. Director.		
		In	21	15						
		Me	21	21						
		Mn	21	21		10-12	0.5			
		Ce	?							
		Cn	?							
		Fe	22	34						
		Fn	22	34						

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EARTHQUAKE STATION, SACRED HEART COLLEGE

DENVER, COLORADO, U. S. A.

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FROM November 1st TO November 30th

DATE	CHAR.	PHASE	TIME	PER.	AMPL.		DIST.	REMARKS.
					An.	Ae.		
			h. m. s.	s.		m.m.		
2	I. u.	Ln	2 51					
		Fn	2 58					
13		Ln	1 29					Wavelets and thickening of penmarks.
		Fn	1 37					
16								Activity and visible wavelets on N-S comp
20	I.e.u.	Ln	24 39					Prelim. not visible.
		Mn	24 42	7-10		0.5		Hardly any record on E-W.
		Cn	24 46					
		Fn	24 49					
20	I.e.u.	Ln	2 36					Prelim. not visible
		Fn	2 42					No record on E-W.
29		Ln	21 26					Somewhat doubtful as to being seismic.
		Fn	21 32					

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FROM December 1st. TO December 31st.

DATE	CHAR.	PHASE	TIME	PER.	AMPL.		DIST.	REMARKS.
					An.	Ae.		
			h. m. s.	s.		m.m.		
5-6								Activity at intervals on N-S.
9		Ln	2 40					Very small, but visible waves.
		Fn	2 55					
16	III. e.u.	Pn	12 29					Second prelim. not discernible.
		Pe	12 29					
		Sn	?					
		Se	?					
		Ln	12 55	31	3			
		Le	12 53	33		4		
		Mn	12 57	29	8.5			
		Me	12 58	27		13		
		Cn	13 26	22-25				
		Ce	13 26	22-25				
		Fn	14 00					
		Fe	14 00					
25								Wavelets, thickening of penmarks at intervals during day, especially on N-S.
31		Pn	21 28					Hardly any record on E-W.
		Ln	21 33					
		Mn	21 49					
		Fn	22 5					