

SPRING HILL COLLEGE SEISMIC OBSERVATORY

MOBILE, ALABAMA

LATITUDE 30° 41' 44" LONGITUDE 88° 08' 46" ELEVATION 60 Metres

INSTRUMENT: Wiechert 80 Kg. (mechanical registration).

TIME: Mean Greenwich, midnight to midnight.

FROM January 1, TO March 15, 1925

DATE	PHASE	TIME			PERIOD SEC.	AMPLITUDE		DISTANCE KMS.	REMARKS
		H.	M.	S.		A _E	A _N		
Jan. 18	ePN	12	18	27		Trace-mm.			
	iSN	12	28	43	8		3	9100	
	iSE	12	28	43	8	2.5			
	LN ?	12	35	00					
	FN	14	00	00					
	FE	13	50	00		No decided Maximum			
Feb. 24	ePE	0	02	45					
	iSE	0	09	42	8	2.5		5320	
	LE	0	18	45					
	ME	0	21	00	8	16			
	FE	0	56	00					
	iPN	0	02	45					
	iSN	0	09	42	8		2		
	LN	0	18	25					
	MN	0	21	00	8		4.5		
	FN	0	53	00					
March 1	0	2	19	25					
	ePE	2	24	22					
	iSE	2	28	20				2410	
	LE	2	29	04					
	ME	2	30	53	6	59			
	FE	3	14	00					
	ePN	2	24	22					
	iSN	2	28	20					
	LN	2	29	04					
	MN	2	30	58	6		73		
	FN	3	00	00					

For five minutes the displacement of needles varied from 59 mm. to 26 mm. on E comp. and from 73 to 35 mm. on N comp. with an even period of 6 min.

Cyril Ruhlmann, S. J.

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FROM 1st January 1924 TO 1st January 1925

DATE	PHASE	TIME			PERIOD SEC.	AMPLITUDE		DISTANCE KMS.	REMARKS
		H.	M.	S.		A _E	A _N		
Jan. 29	eP?	21	01	00	04 00			930	
	SE	21	02	41					
	SN	21	02	45					
	LN	21	19	00					
	FE	21	19	00					
	FN	21	15	00					
April 1	e	0	29	50					
	FE	0	59	00					
	FN	0	46	00					
21	e	20	05	00					
	S?	20	05	20					
	FE	20	29	00					
	FN	20	35	00					
May 1	ePE	19	55	50	10 4			2140	
	iPN	19	55	45			4 mm.		
	N	19	56	04			7		
	SE?	19	59	20					
	SN	19	59	20					
<p>There is nothing worth recording for the rest of the year.</p> <p style="font-style: italic; font-size: 1.2em; margin-top: 20px;">Cyril Ruhlmann, S. J.</p>									

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double

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DATE	PHASE	TIME			PERIOD SEC.	AMPLITUDE		DISTANCE KMS.	REMARKS
		H.	M.	S.		A _E	A _N		
Jan. 22.	0	9	10	36				2550 In the midst of the irregular secondary waves arise on both components the four regular L waves of absolutely equal periods so traced that they stand out over the S waves indicating a relative motion of the pendulum in a SE direction. The corresponding NW direction is covered by irregular S waves.	
	iPE	9	15	43	8	*1000			
	iPRE	9	18	19	10	*2000			
	SE	9	19	57	8	*2000			
	L1E	9	21	25	14	*12000			
	L2E	9	21	39	14	*12000			
	L3E	9	21	43	14	*12000			
	L4E	9	21	57	14	*12000			
	M1E	9	24	49	8	*31000			
	M2E	9	26	37	8	*14000			
	FE	10	28	00					
	iPN	9	15	43	8		*500		
	SN	9	19	57	14		*1000		
	L1N	9	21	25	14		*7000		
	L2N	9	21	39	14		*8000		
	L3N	9	21	43	14		*8000		
	L4N	9	21	57	14		*8000		
	M1N	9	24	49	8		*12000		
	M2N	9	26	37	8		*12000		
	FN	10	00	00					

Feb. 2.	eE	5	29	00				8,440	
	F	6	21	00					

3.	0	16	02	00					
	eP	16	13	36					
	eS	16	23	18					
	L	16	39	00					
	M1E	16	39	38	32	*8000			
	M2E	16	42	42	25	*9000			
	3	16	44	58	20	*17000			
	4	16	45	18	20	*23000			
	5	16	45	38	20	*22000			
	6	16	45	58	20	*25000			
	7	16	46	18	20	*27000			
	8	16	46	38	20	*18000			
	M1N	16	43	42	28		*11000		
	M2N	16	45	38	20		*9000		
	3	16	45	58	20		*16000		
	4	16	46	18	20		*16000		
	5	16	46	38	20		*10000		
	6	16	46	58	20		*14000		
7	16	47	18	20		*18000			
FE	18	53	00						
FN	18	13	00						

Cyril Rubincovitch, S.S.

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FROM January 1923 TO January 1924 page 2.

DATE	PHASE	TIME			PERIOD SEC.	AMPLITUDE		DISTANCE KMS.	REMARKS
		H.	M.	S.		A _E	A _N		
Feb. 3.	LE LN FE FN	19 19 20 19	22 24 13 45	20 00 00 00	18				Probably continuation of preceding quake.

4.	eSE LE? ME FE eSN FN	7 8 8 9 7 8	56 12 16 02 56 28	05 00 00 00 05 00				8,600	L are a series of sinusoidal waves of 18 seconds period and amplitude of 1.6 mm.

May 4.	ePE ePN LE ME MN FE FN	10 10 10 10 10 11 11	35 35 50 52 55 35 23	32 32 37 39 07 00 00		*2000	*4000	5,500	

NOTHING REGISTERED DURING JULY, AUGUST AND THE EARLY PART OF SEPTEMBER, DUE TO THE INSTRUMENT BEING OUT OF WORKING ORDER.									

Sept. 30.	0 ePE SE LE LN F	1 1 1 1 1 2	21 29 36 44 44 29	00 25 05 25 50 00				4,960	

Nov. 2.	eLE FE	22 22	05 36	00 00					

3.	eE eN FE FN	8 8 9 9	48 46 02 03	00 00 20 00					

7.	eE eN FE FN	24 24 24 24	01 01 22 22	10 30 00 00					

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Cyril Rublmann, S. I.

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FROM October 1st. TO December 31st., 1922.

DATE	PHASE	TIME			PERIOD SEC.	AMPLITUDE		DISTANCE KMS.	REMARKS
		H.	M.	S.		A _E	A _N		
Nov. 11.	ePE	4	24	--40				Waves very irregular-- Long periods. No decided M in L.	
	ePN	4	24	--40					
	SE	4	50	--52					
	SN	4	50	--52					
	LE	5	03	--18					
	LN	5	03	--18					
	F	5	30	--00					
<u>NOTICE:</u>		<p>On account of long sickness, changes in department buildings of the College, and the installation of a large explosive engine in the neighborhood of the Seismograph, there has been an unavoidable interruption of the seismological observations of this station.</p> <p>A new home has been built for the seismograph by excavating under the main building.</p> <p>The instrument again started to function on Oct. 1, 1922.</p>							
<i>Cyril Ruhlmann. S. J.</i>									

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FROM November 1 TO December 31, 1920

DATE	PHASE	TIME			PERIOD SEC.	AMPLITUDE		DISTANCE KMS.	REMARKS
		H.	M.	S.		A _E	A _N		
November 16	SN LE LN ME MN F	0	35	50					
		0	57	20					
		1	00	20					
		1	06	00	25	9000		12000?	
		1	14	30	20		12000		
		2	30	00					
									Instrument undamped
									<i>Cyril Ruhlmann, S. J.</i>

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FROM May 1 TO October 31, 1920

DATE	PHASE	TIME			PERIOD SEC.	AMPLITUDE		DISTANCE KMS.	REMARKS
		H.	M.	S.		A _E	A _N		
July 7	PN	18	06	48					N Component undamped No trace on E Time uncertain
	MN	18	11	30					
	FN	18	20	00					
October 8	U	16	50	23	6			1550	N undamped No trace on E
	PN	16	53	43					
	SN	16	56	25					
	LN	16	57	13					
	MN	16	57	25					
	FN	17	18	00					
									<i>Kusil Ruhlmann, S.S.</i>