

# RECORD

OF THE



Seismographic Station, Department of Geology, Cornell University, Ithaca, N. Y., U. S. A.

LATITUDE  $42^{\circ} 26' 58''$  N.; LONGITUDE  $76^{\circ} 29' 09''$  W. Greenwich.

ELEVATION : 242.6 metres, 796 feet.

INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From **January 1st 1913**

To **January 31st 1913**

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
*									
65	Jan. 8	N	eL	10	48	08			Microseisms
			F	11	13	40			
66	Jan. 11	N	SF	13	41	05	4		
			eL	13	38	15	15-20		
			F	15	50	30			
		E	SF	13	40	55	3-5		
				13	45	40	6-7		
			eL	14	0	35			
			F	15	32	30			
67	Jan. 15	N	IP	18	59	47	4		
				19	00	48	4		
			S	19	05	05	8		
				19	09	20	8		
			L	19	13	40	10		
			F	19	40				
		E	F	18	59	48	4		
				19	01	04	4		
			S	19	05	05	7		
			L	19	10	20	10-20		
			F	19	45				
68	Jan. 19	N	SF	17	46	47	8		
			eL	18	22	04	24		
			F	18	45	30			
		E	eL	18	15	20	30		
			F	18	41	40			
69	Jan. 23	N	e	12	09				S lost in microseisms
			F	14	01				
* 64a	Jan 1	N	P	18	32	20	1-3		1:30 P. M. Felt in North and South Carolina. Microseisms.
			iS	18	33	32	5		
		E	ep	18	32	22	1-3		
			S	18	33	28	5-6		

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ELEVATION : 242.6 metres, 796 feet.

INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From January 31st 1913

To February 28th 1913

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks	
				h.	m.	s.				
70	Jan. 31	N	eP	22	54	30	4	.2		
			S	23	00	24	5			
			eL	23	07	52	6-9			
			F	23	24					
			E	eL	23	08	35			
				F	23	23				
71	Feb. 20	E	eS?	9	22	38	7			
			F	9	24	30				

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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From March 1st 1913

To March 31st 1913

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks		
				h.	m.	s.					
72	Mar. 3	N	e	8	25				Microseisms		
			F	8	29						
73	Mar. 4	N	e	11	36			4-7	Microseisms		
			F	11	50	30					
			e	11	38	30					
			F	11	46						
74	Mar. 8	N	eL	16	08	04	30	.5			
			H	16	12	20	12				
			F	16	33						
		E	L	16	07	59	20-30	.6			
			H	16	10	05	20				
			F	16	30						
75	Mar. 14	N	e	9	04	44					
				9	07	32	3-6				
				9	10	57	7				
				9	13	13	7				
				9	15	10	6-7				
				9	17	36	6				
			H	9	19	33	12			.7	
				9	23	58	6-15				
				9	46	36	15-30				After 9:56 smooth waves with period of about 20 sec.
				10	58						
			E	e	9	05	15				
					9	07	31			3	
					9	09	34			3-5	
					9	11	20			4-6	
					9	13	15			4-6	
					9	15	18			6	
					9	18	10			6-8	
	9	24		02	5-10						
	9	40		31	10-20						
F	10	56									
76	Mar. 15	N	eP	22	35	50	3-4		E record faint		
				22	33	22	6-8				
			F	22	45						
77	Mar. 31	N	eP	3	50	05	5				
				3	52	20	3-4				
				3	53	38	4-6				

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From March 31st 1913

To

No.	Date	Comp.	Phase	Time	Periods	Ampl's	Remarks
-----	------	-------	-------	------	---------	--------	---------

h. m. s. s.

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*continued*

			N	4	22	16		12	1.5	
			F	6	30					
		E	P	3	52	21		3-4		
			S	4	01	03		4-8		
			L	4	14	14				
			F	6	09					

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From April 1st 1913

To April 30th 1913

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks		
				h.	m.	s.					
78	Apr. 24	N	eL	11	25	30	20				
			F	11	44	20					
79	Apr. 25	N	eL	19	03	20	20	.3			
			M	19	10	38					
			F	19	33	15					
			E	eL	19	05				50	20
F	19	33									
80	Apr. 29	N	P	0	30	16	5-6		Periods of P less than one sec. Represented by thickening of line. Periods of S three sec., over run by waves of one sec. period. Beginning of S not well defined.		
			S	0	30	35					
			L	0	30	57					
			F	0	31	27					
			E	P	0	30				18	1
			S	0	30	26				2-3	
F	0	31	18								
81	Apr. 30	N	P?	11	44	18	3-4				
			iS	11	52	42				6	
			eL	12	08	28					14-20
			M	12	13	24				14	
			F	12	39	30					
			E	P	11	44				01	3-4
			S	11	52	42				6	
F	eL	12	04	50	10-20						
F		12	31	30							

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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From May 1st 1913

To May 31st 1913

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks		
				h.	m.	s.					
82	May 8	E	eL	19	31	45	15-20	mm.			
			F	19	54						
83	May 16	N	eL	12	11	10	6-15	.2			
			F	12	23						
		E	eL	12	09	15	8-10				
			F	12	30						
84	May 18	N	eL	3	7	42	20		Microseisms		
			F	3	18	10					
		E	eL	3	4	45	20-25				
			F	3	25	15					
85	May 24	N	P	23	35	09	3-4	.1			
			S	23	44	10	6				
			eL	23	58	50	20-30				
	May 25	E	F	0	08	15	7	.2			
			S	23	44	13					
			eL	23	56	10					
May 25		F	0	06	30						
86	May 30	N	L	12	37	35	55-30	.4			
				12	44	22	20				
				12	51	30	20	.4			
				12	56	52	15-18	.3			
				12	02	28	15-18	.4			
				12	06	22	18	.3			
				12	09	03	16	.3			
				12	11	56	15-16	.2			
				F	12	32	30				
				E	L	12	37	52		55-15	
					F	12	37				

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From June 1, 1913

To June 26, 1913.

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
87	June 4	N	eL	10	56	45	35-20	.2	
			F	11	21	35			
		E	eL	10	58	44	25-20		
			F	11	20				
88	June /4	N	e	8	44	10	3-7		
				8	48	40	5		
			L	8	53	35	30		
			F	9	20	55			
		E	e	8	43	26	4		
				8	48	38	5-7		
			F	9	16				
89	June 14	N	e	9	49	20	6		
				9	53	54	5-6		
			eL	10	04	32	35		
		F	10	33	50				
		E	e	9	44	40	5		
				9	53	52	6-10		
eL	10		06	03					
		F	10	26	50				
90	June 14	N	e	11	41	39	4		Lost in disturbance of recording lever.
				11	43	04	8		
91	June 22	N	eP	13	59	35	5		
			S	14	09	?	6-12		
			L	14	20	45	25-10		
			M	14	27	43	18		
		E	F	15	27	12	.6		
			eP	14	00	38	5		
			S	14	09	18	5-8		
			L	14	20	30	38-12		
		F	15	24	20				
92	June 26	N	e	5	15	48	5-8		
			S?	5	24	15	8-12		
				5	25	48	8		
				5	31	55	8-10		
			L	5	41	53	30-40		
				5	48	12	14		
			M	5	48	45	13		
			F	7	39	45	.8		

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From June 26, 1913.

To June 30, 1913.

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
	June 26,		Cont'd						
		E	e	5	11	58	6-8		
			i	5	16	30	7		
				5	22	56	8		
			S	5	25	43	8-10	.7	
			eL	5	48	13	33		
				5	51	53	22		
				5	57	13	16-20		
			F						Not recording after 6:26:30.

Pearl Sheldon



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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From July 1, 1913,

To July 26, 1913.

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
93	July 7	N	eL	18	36	07	30-20		Microseisms
			F	19	05				
		E	eL	18	36	36	40-18		
			F	19	04				
94	July 8	N	e	8	54	39	7-10		
			F	9	03	30			
		E	e	8	54	40	6-10		
			F	9	07				
95	July 8	E	L	23	07	46	33-22		
			F	23	21	04			
96	July 9	N	e	0	21	57	8	.8	
			L	0	24	11	5-13		
			M	0	25	20	11		
		E	F	0	58				
			e?	0	14	04	4		
			L	0	24	32	7-12		
97	July 22	N	eL	7	35	11	25-16		
			F	8	00	55			
		E	eL	7	34	54	30-15		
			F	8	01	50			
98	July 24	N	e	9	05	27	4-6	.3	
			S	9	10	09	6		
			L	9	12	18	25-20		
		E	F	9	21	30			
			S	9	10	10	5-6		
			F	9	19	10			
99	July 25	N	P	12	45	25	6-8	.3	Beginning of S not well defined No decided maximum
			S	12	51	56	8		
			L	12	55	30	28		
			L	12	57	51	16-18		
		E	F	13	17				
			e	12	46	37	5-6		
			L	12	51	25	10-11		
			S?	12	52	05	6-9		
			L	12	54	41	30		
			M	12	57	17	11		
100	July 26	N	eL	21	16	14			
			F	21	25	50			
		E	eL	21	16	00			

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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From July 28, 1913,

To July 31, 1913.

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks	
				h.	m.	s.				
101	July 28	N	P	5	50	18	5-6			
			S	5	58	37	8	.2		
			L	6	08	58	33-18			
			F	6	32	08				
			E	S	5	58	35	8-9	.2	
				L	6	05	22	32-16		
			F	6	30	05				

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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From August 1, 1913,

To August 31, 1913.

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks	
				h.	m.	s.				
102	Aug. 1	N	P	17	24	41	4-6		Changed records 17:52:25 to 17:56:50  Record changed 17:49:25 to 17:57:48	
			S	17	34	52	8			
			eL	17	44	07	12-20			
			F	18	22					
			E	P	17	24	40	4-5		
				S	17	34	32	5-6		
				F	18	14				
103	Aug. 5	N	L	2	17	17	12-9			
			F	2	34	15				
			E	S?	2	12	42	5		
				L	2	17	00	12-8		
			F	2	39	30				
104	Aug. 6	N	iP	22	26	37	5-7	.3	Peru	
			iS	22	34	37	11	3		
				22	38	45	13			
			L	22	43	30	17-30			
	7	E	M	22	51	36	18	2.2		
			F	00	33	15				
			eP	22	26	52	4-6			
	6	E	iS	22	34	42	9	2.5		
			L	22	41	50	13-25			
			M	22	45	57	23	2		
	7	E	F	00	30					
105	Aug. 7	N	S?	2	31	12	4-6			
			E	S?	2	31	10	6		.1
				eL	2	42	17	28-20		
			F	2	55					
106	Aug. 13	N	P?	4	45	04	4-5			
			S?	4	48	43	5-6			
			F	4	53					
107	Aug. 13	N	eL	5	44	12	32-24		Slight E-W motion.	
			F	5	59	22				

107a Aug 31 E eL 18 15 13 28-16  
F 18 28

*P. C. ...*

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To September 30, 1913.

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
108	Sept. 3	N	eL	21	51	30	34-20		
			F	22	24				
		E	eL	21	51	11	35-16		
			F	22	29				
109	Sept. 16	E	eL	15	18	13-24			
			F	16	23				

*Pearl Sheldm*

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From Oct. 1, 1913

To Oct. 23, 1913

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks	
				h.	m.	s.	s.			
110	Oct. 2	N	P	4	30	06	3-4	.9	Panama	
					4	31	15			4-6
			S	4	35	40	5-8			
			eL	4	39	03	8-16			
			M	4	46	28	16			
		E	F	5	22	32				
			eP	4	30	31	4-6			
			S	4	35	44	8			
			eL	4	38	04	7-22			
			F	5	22	35				
111	Oct. 4	N	P	22	13	35	4	Microseisms		
			S	22	17	49	5			
			eL	22	25	40	20-15			
		E	F	22	32					
			S	22	17	53	5			
			eL	22	24	28	20-12			
112	Oct. 11	N	eL	2	39	35	20-18			
			F	2	55					
		E	eL	2	37	48	26-15			
			F	2	56					
113	Oct. 11	N	eL	4	59	40	40-18			
			F	5	46	25				
		E	eL	5	03	40	30-16			
			F	5	41	00				
114	Oct. 11	N	eL	10	07	32	22-15			
			F	10	19					
		E	eL	9	59	37	20-18			
			F	10	14					
115	Oct. 14	N	e	8	46	08	16-44			
			F	9	33					
		E	e	8	39	23	12			
				8	46	18	20			
			F	9	23					
116	Oct. 14	E	eL	10	17	35	20-22			
			F	10	23					
117	Oct. 23	E	e?	15	12	34	5	Microseisms		
			eL	15	18	52	22-15			
			F	15	29	47		Panama		

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From Oct. 23, 1913

To Oct. 31, 1913

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
118	Oct. 26	N	e	13	48	39	9-11		Slight <sup>e-w</sup> motion
			F	13	56	40			
119	Oct. 26	N	e	23	17	41	8-12		Possibly artificial
			F	23	25				

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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From Nov. 1, 1913

To Dec. 31, 1913

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
120	Nov. 4	N	S?	10	16	43	5-7	Microseisms	
			eL	10	29	10	30-20		
			F	10	38	52			
		E	S?	10	16	40	7		
121	Nov. 10	N	P?	21	57	46	3-5	Microseisms Records changed 22:02:57 to 22:06:35 Records changed 21:59: 36 to 22:07:38	
			eL	22	12	23	20-16		
			F	22	45	20			
		E	P?	21	57	44	4		
			eL	22	11	10	26-15		
			F	22	41				
122	Dec. 21	N	S?	16	30	58	6		
			eL	16	43	15	25-15		
			F	16	46	50			
		E	S?	16	30	48	6		
			eL	16	37	21	30-16		
			F	16	56				

*Paul Sheldon*