

# RECORD

OF THE

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



LATITUDE 42° 26' 58" N.; LONGITUDE 76° 29' 09" W. Greenwich.

ELEVATION : 242.6 metres, 796 feet.

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

From Jan. 1st 1916

To Jan. 31st 1916

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks	
				h.	m.	s.				
196	Jan. 1	N	2 e	13	53	36	36	4		
			3	14	07	16	48			
			6 M	14	21	47	23			
			7 F	15	44					
		E	1 e	13	53	21	48			3
			4	14	07	32	59			
			5 M	14	19	48	26			
			8 F	15	59					
197	Jan. 13	N	2 eP	6	41	09	4-7			
			4	6	57	40	12			
			5 eL	7	27	17	21			
			7 F	8	02					
		E	1 eP	6	40	01	5			
			2	6	41	10	5-7			
			3	6	57	31	15			
			6 eL	7	27	25	28			
198	Jan. 13	N	2 eP	8	42	40	4			
			3	8	43	32	4			
			4	8	47	12	12			
			6	8	52	45	7			
			7 L	9	00	07	46			
			9 F	10	54					
		E	1 eP	8	42	29	4			
			3	8	43	32	4			
			5	8	47	37	8			
			8 L	9	00	23	52			
10 F	11	00								
199	Jan. 24	N	1 e	7	22	22	6	Microseisms		
			2 L	7	31	10	40			
			3 F	8	06	30				
		E	3 L	7	31	22	41			
			4 F	7	59					
200	Jan. 26	N	1 eL	13	20	56	20			
			3 F	13	52					
		E	2 eL	13	26	44	20			
			4 F	13	48					
201	Jan. 31	N	2 e	18	19	22	4			
			4 L	18	37	04	31			
			6 F	18	59					
		E	1 e	18	19	20	4			
			3 L	18	33	43	39			
			5 F	18	56	30				

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ELEVATION : 242.6 metres, 796 feet.

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

From Feb. 1st 1916

To Feb. 29th 1916

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
202	Feb. 1	N	1 L	8	34	51	15		
			4 F	9	04				
		E	2 L	8	36	44	23		
			3 F	8	58				
203	Feb. 3	N	1 e	5	16	40	4-9		
			4 F	5	30				
		E	2 e	5	20	24			
			3 F	5	28				
204	Feb. 6	N	2 e	22	11	33	7		
			3 eL	22	18	50	20		
		E	5 M	22	31	25	20	1.1	
			7 F	24	05				
		E	1 e	22	11	12	5		
			4 eL	22	23	22	18		
			6 F	23	52				
205	Feb. 8	N	1 e	15	49	12	7		
			2 F	15	57				
		E	3 L	16	16	52	16		
			7 F	16	19				
206	Feb. 15	N	1 e	11	50	52	5		
			4 L	11	59	12	10		
			5 M	11	59	48	9	.7	
		E	7 F	12	29				
			2 e	11	50	54	4		
			3 eL	11	58	54	4-11		
6 F	12	22							
207	Feb. 20	N	2 S	18	07	40	9		
			4 eL	18	17	12	13		
			6 F	19	22				
		E	1 S	18	05	38	13		
			3 eL	18	17	06	18		
			5 F	19	20				
208	Feb. 21	N	1 e	23	43	22	2		
			3 F	23	45				
		E	2 e	23	43	23	2-4		
			4 F	23	49	30			
209	Feb. 27	N	1 P	20	27	59	4		
			4	20	29	23	7		
		E	5 S	20	33	30	10		
			7 L	20	38	09	29		
			8 M	20	41	46	16	16.6	
		E	10 F	22	05				
			2 P	20	28	18	5-4		

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ELEVATION : 242.6 metres, 796 feet.

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From

March 1st 1916

To

March 31st 1916

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.	s.		
210	Mar. 16	H	2 eL	23	02	01	14-6		Microseisms
			4 F	23	12	30			
			1 eL	23	00	55	10		
			3 F	23	09				
211	Mar. 31	H	1 e	11	28	31	7	.5	
			2 L	11	30	02	8-18		
			5 F	11	50				
			2 L	11	29	59	6-10		
			4 F	11	42				

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LATITUDE 42° 26' 58" N.; LONGITUDE 76° 29' 09" W. Greenwich.

ELEVATION : 242.6 metres, 796 feet.

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

From April 1, 1916.

To April 24, 1916

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks		
				h.	m.	s.					
212	April 7	N	2 eL	10	28	00	16-20		Microseisms		
			4 F	10	58						
			E 1 eP?	9	48	18				4-5	
			3 eL	10	37	17				20	
213	April 11	N	2 L	3	57	47	17-8		Microseisms		
			4 F	4	03	30					
			E 1 L	3	57	40					
			3 F	4	03						
214	April 16	N	1 e	22	46	51	4-9				
			7 F	22	59						
215	April 18	N	2 P	4	11	25	3-6	1.4	Beginning of L in-		
			3 S	4	19	22				10	
			7 F	5	18	30					
			E 1 P	4	11	23				4	
			4 S	4	19	24				8	1.9
			5 eL	4	29	15				8	
216	April 24	N	P	4	31	52	3-5	1.5	E- W record poor be-		
			S	4	36	15				9	
			5 L	4	40	02				23-12	
			F	5	15						
217	April 24	N	P	8	08	39	5	.9	E-W record poor		
			R1 P	8	09	49				5-8	
			S	8	14	05				5-16	
			eL	8	18	45				30	
			M	8	24	19				16	7.7
			F	9	21						
218	April 26	N	1 P	2	27	55	3	2.			
			5 L	2	36	06				23	
			6 M	2	42	26				18	
			8 F	3	28						
			E 2 e	2	29	35					
			3 S	2	33	17				8	
			4 L	2	35	20				35-14	
7 F	3	08									
219	April 26	N	1 e	6	33	08	8				
			2 L	6	38	02				22	
			5 F	7	08						
			E 3 L	6	44	00				21	
			4 F	6	57						

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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 *April 26, 1914*

To *April 30, 1914*

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
			2 L	7	28	20	24		
			4 M	7	38	11	15	.3	
			6 F	8	05				
		E	3 L	7	34	34	21		
			5 F	7	48				

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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 May 1, 1916.

To May 31, 1916.

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks	
				h.	m.	s.				
221	May 10	3 N	eL	21	55	59	22-12		Microseisms	
			F	22	09					
			1 E	e	21	50	50			9
			2	L	21	54	06			27-12
			4	F	22	03	30			
222	May 11	N	2 e	10	21	02	17-6	.6	Microseisms	
			3 F	10	33					
			E	1 e	10	20	50			15-7
			4 F	10	34					

14) 600 (43  
 56  
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 40  
 42

# RECORD

OF THE

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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 June 1, 1916

To June 30, 1916

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks	
				h.	m.	s.				
223	June 2	N	1 eP	14	05	24	6			
			4 S	14	10	19	8			
			5 F	14	25					
			E	1 eP	14	05	28	6		
				3 S	14	10	15	7		
				6 F	14	27				
224	June 21	N	P	21	42	15	6		E-W time recorder out of order	
				21	44	10	4			
			S	21	50	40	9			
			eL	21	58	48	16			
			F	22	23					
225	June 25	N	1 e	18	37	40	25	.5	Phases obscure	
			3 M	18	38	33	12			
			4 F	18	49					
			E	2 e	18	37	52			4
				5 F	18	50				
226	June 30	N	1 e	3	9	07	8			
			3	3	13	58	13			
			5 F	4	10					
			E	2 e	3	13	49	18		
				4	3	16	59	12		
				6 F	4	11				

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ELEVATION : 242.6 metres, 796 feet.

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

From July 1, 1916

To July 31, 1916.

No.	Date	Comp.	Phase	Time			Periods	Ampl's	Remarks
				h.	m.	s.			
227	July 22	N	e	16	53	20	8		
			F	17	02				
228	July 28	N	e	17	49	58	5 24-14		
			L	17	57	08			
			F	18	07				
			E	17	54	10			
			F	18	06	8			



## SEISMOGRAPH STATION

### CORNELL UNIVERSITY, DEPARTMENT OF GEOLOGY

Latitude of station 42°, 26', 58" N.      Longitude 76°, 29', 09" W.      Elevation above sea 242.6 metres.

Time : Mean Greenwich, midnight to midnight.    Nomenclature : Göttingen.

Instruments : Two Bosch-Omori horizontal pendulums (25 kgm., Mechanical registration.)

From Aug. 1, 1916. to Aug. 31, 1916.

No.	Date	Phase	Time			Period T sec.	Amplitude		Remarks
			h.	m.	s.		A <sub>e</sub>	A <sub>n</sub>	
229	Aug. 3	iN	1	51	57	3			
			2	01	34	6-30			
		eE	1	52	14	6			
			2	03	38	12			
		LE	2	35	34	20			
		FE	2	43					
		FE	2	52					
230	Aug. 3	eN	9	18	30	4-12			
		FN	9	26					
231	Aug. 3	eN	14	36	<del>33</del> <sup>23</sup>	5			
		eE	14	36	39	4			
			14	39	07	12			
		FN	14	56					
		FE	15	12					
232	Aug. 25	P	9	55	08	3			
		S	10	03	46	4-6			
		S	10	03	46	4-6			
		S	10	03	46	4-6			
		L	10	16	04	33			
		L	10	15	32	36			
		FE	10	33					
FE	10	29							
233	Aug. 28	1 eN	6	58	16	4			
		2 -N	7	00	31	4			
		4 i	7	04	37	6			
		3 eE	7	04	32	6			
		6 eLN	7	35	18	25			
		7	7	48	12	15			
		5 eLE	7	26	36	22			
		8 FN	8	45					
		9 FE	8	48					

*P. G. Sheldon*

Observer.

## SEISMOGRAPH STATION

### CORNELL UNIVERSITY, DEPARTMENT OF GEOLOGY

Latitude of station 42°, 26', 58" N.      Longitude 76°, 29', 09" W.      Elevation above sea 242.6 metres.

Time : Mean Greenwich, midnight to midnight.    Nomenclature : Göttingen.

Instruments : Two Bosch-Omori horizontal pendulums (25 kgm., Mechanical registration.)

From Sept. 1, 1916. to Sept. 30, 1916,

No.	Date	Phase	Time			Period T sec.	Amplitude		Remarks
			h.	m.	s.		A <sub>e</sub>	A <sub>n</sub>	
234	Sept. 3	eL <sub>E</sub>	8	13	23	30			
		F <sub>E</sub>	8	46					
235	Sept. 5	eL <sub>E</sub>	23	27	05	20			
		F <sub>E</sub>	23	53					
236	Sept. 23	<sup>1</sup> eP <sub>N</sub>	5	49	42	5			
		<sup>2</sup> eP <sub>E</sub>	5	49	50	4			
		<sup>3</sup> S <sub>N</sub>	5	55	09	6			
		<sup>4</sup> L <sub>N</sub>	6	00	43	27			
		<sup>5</sup> L <sub>E</sub>	6	00	45	20			
		<sup>6</sup> F <sub>E</sub>	6	24	<sup>48</sup>				
		<sup>6</sup> F <sub>E</sub>	6	24					

*P. G. Sheldon*

Observer.

## SEISMOGRAPH STATION

### CORNELL UNIVERSITY, DEPARTMENT OF GEOLOGY

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Time : Mean Greenwich, midnight to midnight.    Nomenclature : Göttingen.

Instruments : Two Bosch-Omori horizontal pendulums (25 kgm., Mechanical registration.)

From Oct. 1, 1916 to Oct. 31, 1916.

No.	Date	Phase	Time			Period T sec.	Amplitude		Remarks
			h.	m.	s.		A <sub>e</sub>	A <sub>n</sub>	
237	Oct. 3	1 ePN	1	36	38	5			
		2 ePE	1	36	50	4			
		3 SN	1	44	30	4-8			
		4 SE	1	44	34	4-7			
		6 LN	1	57	08	30			
		5 LE	1	51	38	24			
		7 FE	2	21					
238	Oct. 3	eN	5	04	49	3-7			
		eE	5	07	30	9			
		FN	5	12					
239	Oct. 31	ePE	15	53	14	5			
		eN	16	03	07	17			
		eLN	16	10	10	28			
		eLE	16	11	50	20			
		FN	16	53					

*P. G. Sheldon*

Observer.

## SEISMOGRAPH STATION

### CORNELL UNIVERSITY, DEPARTMENT OF GEOLOGY

Latitude of station 42°, 26', 58" N.      Longitude 76°, 29', 09" W.      Elevation above sea 242.6 metres.

Time : Mean Greenwich, midnight to midnight.    Nomenclature : Göttingen.

Instruments : Two Bosch-Omori horizontal pendulums (25 kgm., Mechanical registration.)

From Nov. 1, 1916. to Nov. 30, 1916.

No.	Date	Phase	Time			Period T sec.	Amplitude		Remarks
			h.	m.	s.		A <sub>c</sub>	A <sub>n</sub> mm.	
240	Nov. 10	eN 1	9	28	34	6			
		eE 2	9	29	35	7			
		MN 3	9	30	16	13		1.	
		FN 4	9	45					
		FN 5	9	48					
241	Nov. 21	eN 1	6	34	12	9			Phases not differentiated
		eE 2	6	36	14	5			
		MN 3	6	51	02	12		.5	
		FN 4	7	17					
		FN 5	7	19					
243	Nov. 30	PN 1	3	23	52	6			
		PE 2	3	24	01	3			
		SN 3	3	25	05	11		1.2	
		SE 4	3	28	11	5-10			
		LE 5	3	30	09	22			
		LN 6	3	30	31	20			
		FE 7	4	20					
* 242	Nov. 24	eN 12	12	34	41	33			Obscured by irregular micro-seisms.
		FN 13	13	21					

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From Dec. 1, 1916 to Dec. 31, 1916.

No.	Date	Phase	Time			Period T sec.	Amplitude		Remarks
			h.	m.	s.		A <sub>e</sub>	A <sub>n</sub>	
244	Dec. 14	eL <sub>E</sub>	17	27	40	19			Microseisms
		eL <sub>N</sub>	17	30	32	25			
		F <sub>E</sub>	17	43					
		F <sub>N</sub>	17	45					

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