

MAY 4 1914
International
Seismological
Centre

SEISMOLOGICAL BULLETIN

1914

OBSERVATORY
ST. IGNATIUS COLLEGE
Cleveland, O., U. S. A.

Frederick L. Odenbach, s.J.
Director.

Latitude $41^{\circ} 29' 08''$ N
Longitude $81^{\circ} 42' 29''$ W
Altitude 206 m.
Geological formation
Glacial drift 105 ft.

Wiechert Horiz. 80 Kg.
Magnification 80.
Period 7 sec.
Damping, 5:1.
Time: Greenwich 0-24

(Time: By wireless from Washington)

Observatory Press

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Date	Phase	Time			Period s	Amp. m m	Remarks			
		H	M	S						
Jan. 30	nP	3	47	55	26	1				
	S		57	28						
	L	4	02	37						
	M		24	00						
	F		54	00						
Feb. 10	nP	18	33	33		7	Time doubtful			
	M		34	25						
	F		38	00						
26	nP	5	08	00	3	1.5				
	M		16	00						
	F		25	00						
28	eP	5	07	45	4.5	12				
	S		11	05						
	L		14	25						
	M		16	00						
	F		45	00						
	nP	5	08	00				10	3	
	M		09	30						
F		24	00							
Mar. 9		6	45	00	45	1.5	The following three are very regular long waves			
		9	18	00						
16		7	39	00	52	1				
		8	08	00						
22		7	26	00	30	1				
		12	58	00						

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Date	Phase	Time			Period s	Amp. m m	Remarks	
		H	M	S				
Mar. 23	LE	9	15	00	15	.5		
	M	10	25	00				
	F	12	24	00				
30	EP?	0	48	00	20	4.5		
	S		52	00				
	L		56	30				
	M	1	01	45				
	F	3	03	00				
	M _N	1	01	30				3.5
	F		30	00				

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Date	Phase	Time			Period s	Amp. m m	Remarks
		H	M	S			
Apr. 11	L	17	32	00	16	.5	32 Waves
			54	00			
20	EP	13	37	00	35	3	4 Waves
	S		42	54			
	L		45	33			
	M		47	54			
	F	14	12	00			
	NP	13	37	06			
	S		42	49			
	L		46	21			
20	M		53	00	11	1	
	F	14	12	00			
May 4		5	00	00			Microseisms very short period
		9	00	00			
26	ee	14	56	00	20	3	Imperfect record
	L	15	30	30			
	F	16	32	00			
28	ee	3	38	00	15	2	
	F		44	00			
June 26	ne	18	47	00	30	2	
	L	19	17	00			
	F		58	00			
July 21	ne	22	45	00	5	1	
	M		52	00			
	F	23	32				

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Date	Phase	Time			Period s	Amp. m m	Remarks
		H	M	S			
Aug. 4	n e	22	35	00	30	1	Series of long waves
		23	13	00			
8	N P	19	20	00	8	3	
	L		26	00			
	M		27	00			
	F		40	00			
22	n e	5	45	00	12	2	
	F	6	00	00			
Oct. 3	N P	17	27	35	30	2	
	S		34	00			
	L		37	00			
	M		38	00			
	F	18	00	00			
	E P	17	27	00	30	2	
	S		32	30			
	L		36	00			
	M		41	50			
	F	18	25	00			
Nov. 24	n e	17	30	00			Imperfect record
	F	18	02	00			
Dec. 25	n e	3	46	00	3	.5	
	M		54	00			
	F	4	00	00			
	E e	3	51	00			
	M		55	00			
	F		58	00			