

OTTAWA

EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From January 1st, 1922 to January 17th, 1922 No. 1

No.	DATE	PHASE	TIME		PERIOD	AMPLITUDE			DISTANCE
						A_E	A_N	A_Z	
						μ	μ	μ	
			h. m. s.	s.				μ	km.
1251	Jan 6	P S _E eL _E L _E L _E L _E F	Lost in micros 14-29-41 14-36 14-39 14-44 14-52 15-45						
1252	Jan 9	O P S _E eL _E L _E L _E L _N F	5-09-32 5-16-08 5-21-21 5-23.5 5-26 5-29 5-40 6-40						3440
1253	Jan 17	O P _N PR _{2N} ? S _N eL _N F	3-50-17 3-58-30 4-00-32 4-05-00 (4-11-40) 5-00 ca						4780
		SASKATOON RECORD							
		O iP PR _{1N} iS L? F	3-50-22 4-00-02 4-02-30 4-07-47 4-16.5 4-50						6160
									Sharp well defined record yielding very good value for distance.
<i>Corrected by Hodgson</i>									

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From January 18th, 1922 to January 26th, 1922 No. 2

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
					μ	μ	μ	
			h. m. s.	s.				km.
1254	Jan 19	eLE LE F	23-03 23-17.5 23-32ca	27 15				
1255	Jan 22	eSE? eSRLE? eLE L L LE LE LE LE F	3-52-22 3-58-30 4-15 4-21 4-26 4-33 4-37 4-44 4-52 5-10	26 19 17 15 17 15 15			BLH	
1256	Jan 22	eE eE LE LE LE LE LE LE LE LE F	21-12-56 21-19-15 21-36 21-42.5 21-48 21-59 22-05 22-09 22-14 22-30	26 19 15 15 19 19 15	Sinusoidal L waves of small amplitude well defined. Preliminary phases only faintly shown.			
1257	Jan 26	e eSE? eL L LE F	9-38.5 9-41-22 9-49.5 9-51 9-53.5 10-17	15				
					<i>Ernest A Hodgson</i>			

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **January 27th, 1922** to **January 31st, 1922** No. **3**

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE			
					A_E	A_N	A_Z				
			h. m. s.	s.	μ	μ	μ	km.			
1258	Jan 31	O	13-17-19					3900			
		iP	13-24-30								
		iS	13-30-11								
		eL	13-34								
		M _N	13-37-54								
		M _E	13-40-07								
		F	17-05								
		SASKATOON RECORD									
				O	13-17-06						2000
				iP	13-21-18						
				iS _E	13-24-40						
				M	13-28-26						
				F	14-58						
		HALIFAX RECORD									
				O	13-17-19						4900
				PE	13-25-43						
				SE	13-32-22						
				SRLE	13-35-47						
				eL	13-38-47						
				M _N	13-41-07						
				F	1508						

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From March 1. 1922 to March 31. 1922 No. 5

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	
					A_E	A_N	A_Z		
					μ	μ	μ		
			h. m. s.	s.				km.	
1263	Mar. 4	O	13-09-30					6580	
		iP	13-19-34						
		iP _{1N}	13-22-07				Irregular L waves of small amplitude and uncertain period.		
		iS	13-27-41						
		eL	13-37						
		F	14-24						
1264	" 10	eL	11-38	17	50	50		Press report quake in California. No P or S waves recorded here, or in Halifax.	
		M	11-40.3						
		F	12-25						
		HALIFAX RECORD							
		e?	12-01						
		eL	12-11.5						
1265	" 10	e	17-20-08					Wireless report from Strasbourg confirms our diagnosis of the very small record here as being seismic.	
		e ^E	17-23-30						
		F ^E	17-40 +						
1266	" 12	iS?	17-14-45	30					
		eS?	17-20						
		eL?	17-28						
		L	17-30						
		LE	17-56						
		F	18-25						
1267	" 22	e	22-35-44					Reports from points in Missouri indicate small quake at this hour. Recorded on all three components as a very rapid oscillation of small amplitude	
		F	22-36-28						
1268	" 28	O	3-57-53	19				7280	
		iP	4-08-36						
		iS	4-17-19						
		eL	4-30						
		LE	4-39						
		F	5-35						

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **April 6, 1922.** to **April 11, 1922.** No. **7**

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h. m. s.	s.	μ	μ	μ	km.
1272	Apr. 6	eE eLE LE L F	(3-31-19) (3-38) (3-41) (3-50.5) 4-05 ca	34	Minute breaks failed. Time interpolated.			
1273	" 6	eE LE L ^E F	(8-18.6) (8-28) (8-38) (8-47)		Traces only; poorly defined. Minute breaks failed. Time interpolated.			
1274	" 8	O P (PR ₂) S ² SR ₁ E eL M ₁ M ₂ F	20-42-14 20-50-05 20-51-46 20-56-18 20-58-50 21-01 21-05 21-12.5 22-05	16 10				4450
1275	" 11	cS [?] E LEV LEV F	0-55-38 1-23 1-32 2- ca	17 15	Sinusoidal L waves of a distant quake.			
1276	" 11	eLE F	16-48 17-16		Faint traces only.			

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From April 11, 1922 to April 25, 1922 No. 8

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	
					A_E	A_N	A_Z		
					μ	μ	μ		
			h. m. s.	s.				km.	
1277	Apr. 13	e _E iS? i i eL F	15-19-45 15-22-00 15-23-10 15-24-00 15-24-17 16-ca						Irregular periods of moderate amplitude. Not possible to distinguish phases.
1278	" 17	e F	7-25.5 7-35						Minute traces of disturbances. Irregular periods.
1279	" 20	e? _E eS? eL? L I F	5-55-44 6-01-15 6-14 6-15 6-27 6-37						Small sinusoidal L wave traces, mostly on E.
1280	" 25	e? e _E e _F e _L L L _{EV} L L _{EV} L F	21-45-50 21-43-56 21-56-00 22-04 22-24 22-31 22-44 22-46 23-01 24-00 ca						

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **April 25, 1922.** to **April 30, 1922.** No. **9**

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
					μ	μ	μ	
			h. m. s.	s.				km.
1281	Apr. 26	eL F	2-00-00 2-16	28				Barely discernible L waves. of sinusoidal character.
1282	" 26	e?E eE eE eL?E L L e F	4-17.8 4-21.04 4-27-08 4-42 4-47 4-55 5-13-52 5-50	17				Press report of a quake at Tokio on Apr. 26 at 10-15am. does not coincide with these times exactly but record seems to be of an eastern quake.
1283	" 28	e F	5-50-42 6-00					Micros interfere.
1284	" 28	eL L F	7-37 7-44 8-15	17				

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

Milne-Shaw. Horizontal. N-S Comp.

From

to

No.

May 1st, 1922.

May 11, 1922.

10.

No.	DATE	PHASE	TIME		PERIOD	AMPLITUDE			DISTANCE
						A_E	A_N	A_Z	
						μ	μ	μ	
			h. m. s.	s.				km.	
1285	May 1	eL ^E L F	12-54.4 13-05.5 13-12						
			Lost in changing the sheets.						
1286	" 3	O -V S eL ^E L ^E F	4-00-23 4-10-30 4-18-39 4-29-23 4-32 5-30 ca					6620	
1287	" 4	O S eL ^E L L F	9-12-59 9-24-55 9-34-49 9-45 9-50 9-56 10-02 12-00 ca					8680	
								Small sinoidal L waves.	
				12					
				21					
				17					
1288	" 5	eL ^E ? L F	0-58.5 1-06 1-25 ca						
1289	" 11	LM LM LM F	1-08-49 1-26 1-49 (2-02)						
								23	
								19	

The subscripts M refer to the Milne-Shaw, NS Comp.

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INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne-Shaw, Horizontal, N-S Comp.

From May 11, 1922.

to May, 12, 1922.

No. 11

No.	DATE	PHASE	TIME		PERIOD	AMPLITUDE			DISTANCE
			h.	m.		s.	A_E	A_N	
						μ	μ	μ	km.
1290	May 11	O	6	45	25				4000
		P	6	52	43				
		PR ₂ ?	6	54	04				
		S ₂ ?	6	58	30				
		SR ₂ ?	7	01	11				
		eLN	7	05					
		F	8	00	ca				
1291	" 11	e [?] E	9	48	.8				
		e [?] M	9	51	.3				
		eLM	10	07					
		L	10	15		28			
		L	10	30		17			
		L	10	53		15			
		F	11	28					
1292	" 12	e [?] EVM	19	00					Regular sinusoidal L waves. Only a slight indication of the other phases.
		iM	19	03	49				
		ev	19	07					
		eE	19	12	11				
		eLE	19	17					
		LE	19	37.5		20			
		LE	19	40.5		22			
		L	19	44		19			
		L	19	48		19			
		MM	19	50		19			
		LE	20	00		15			
		LEM	20	11.5		15			
		LEM	20	50		17			
F	21	20	ca						

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INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne-Shaw, Horizontal. N-S Component.

From May 12th, 1922.

to

May 31st, 1922.

No. 12

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1293	May 14	e _M e _L _M F	23-30-09 23-34 Lost in micros		Bosch instruments were being repaired at this time.			
1294	" 22	e _M e _L L F	17-52.5 18-00 19-02 19-40	17	Very slight sinusoidal waves, barely visible on horizontal instruments only.			
1295	" 28	e _M i _M e _L L F	0-44-24 0-51-20 0-56 1-04 1-25		Slight record. The slower speed of the Milne-Shaw recording apparatus, alone enabled the waves of small amplitude to show up.			
1296	" 28	e _L _E _M L L F	5-05 5-18 5-25 5-45	17 17				

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INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
~~Milne Shaw hor. seismograph N.S. comp. indicated by subscript M.~~
 From June 12th, 1922. to June 30th, 1922. No. 14

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h. m. s.	s.	μ	μ	μ	km.
1303	June 12	e ^E	10-49-36	8	Milne Shaw not recording.			
		i	10-55-37					
		i	11-00-04					
		eL	11-02					
		L	11-03 to 11-10					
		F	12-10					
1304	Jun 16	e ^M	11-02.5	8				
		e ^M	11-08.4 to 11-13					
		L?	11-55 to 12-02					
		F	12-10					
1305	Jun 16	eL	12-55 to 12-58	6				
1306	Jun 16	e	21-11-07		Irregular period in maximum phase.			
		i	21-14-00					
		eL	21-16					
		M	21-17					
		F	22-20					
1307	Jun 27	i	14-50-30	23 19	Milne Shaw shows an indication of LR ₁ at 16-37 but it does not show very definitely, and if correctly placed does not help in determination of Δ.			
		e	15-00-40					
		eL	15-27.5					
		L	15-39					
		L	15-49 to 16-04					
		F	17 ca					

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne Shaw hor. seismograph N.S. comp. indicated by subscript M.

From June 1st, 1922 to June 12th, 1922 No.13

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
					μ	μ	μ	
			h. m. s.	s.				km.
1297	June 2	i •M •M eL?ME LME L LM L F	20-32-24 20-43-00 20-50-32 21-07 21-20 21-25 to 21-39 21-46 21-53.7 23 ca	19 19 15	Well marked as reported but phases do not fit into any certain epicentre determination.			
1298	June 3	•M F	1-54 2-01 ca		No trace on other instruments.			
1299	June 3	•LM LM LM F	5-48 5-55 6-00 6-12 ca		No trace on other instruments.			
1300	June 4	•M •L L F	21-37 21-40.5 21-49 21-56 ca	17 24	No trace on other instruments.			
1301	June 8	•E • F	11-05-48 11-06-50 11-18		Milne Shaw not recording.			
1302	Jun 12	O P S •L M F	4-47-27 4-54-26 4-59-59 5-04 5-06-26 6-10				3750	Milne Shaw not recording. Periods very irregular and difficult to determine.

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne-Shaw Horizontal Seismograph N-S Comp.

From July 5, 1922 to July 31, 1922. No. 16

No.	DATE	PHASE	TIME		PERIOD	AMPLITUDE			DISTANCE
						A _E	A _N	A _Z	
						μ	μ	μ	
			h.	m.	s.	s.			km.
1312	July 10	O	9	38	00				6380
		P	9	47	53				
		S	9	55	50				
		i	9	56	45				
		e	9	59	20				
		L ^E	10	03.5	to				
			10	15					
		F	10	30					
1313	" 13	e _M	5	18	55				
		L _M	5	58					
		L _M	6	04	to				
			6	15		22			
		L _M	6	16		19			
		L _M	6	21	to				
			6	28		15			
		F	6	59					
1314	" 25	e	10	49	22				
		e	10	52					
		e _{L_M}	10	57					
		L	10	58		15			
		F	11	25					
1315	" 26	O?	6	31	08				1970
		eP	6	35	14				
		eS?	6	38	37				
		eL?	6	40	06				
		F	Lost in			micros about 7-00			

Subscripts M. refer to the Milne-Shaw. N-S Comp.

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From July 1, 1922. to July 5, 1922. No. 15.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h. m. s.	s.	μ	μ	μ	km.
1308	July 2	Q	13-35-56					5640
		P _{MV}	13-45-05					
		S _M	13-52-22					
		eL _{MN}	14-00-00	30				
		LE	14-06	25				
		LE	14-13	25				
		LE	14-20	16				
		LE	14-25	16				
		LE	14-30	16				
		LE	14-40	14				
		LE	14-50	14				
		LE	15-00	12				
		LE	15-10	11				
		LE	15-20	10				
		F	15-40					
1309	" 2	e _M	21-25-35					Small period oscillations indicate short distance but record does not yield a Δ.
		e _M	21-26-06					
		M	21-26-30					
		F	21-40					
1310	" 4	e _M	13-58-30					No record on vertical. Only slight indication on Bosch seismographs.
		e _M	14-01-08					
		e _{HM}	14-05-10					
		F	14-25 ca					
1311	" 5	e _M	18-52-18					
		e _M	19-00-00					
		e _{HMV}	19-06.5	18				
		L _M	19-15	15				
		L _M	19-21 to	12				
		L _M	19-38					
		LR ₁ ?	21-06					
F	21-25							

Subscripts refer to the Milne-Shaw seismograph. N-S Comp

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INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

Milne Shaw Horizontal Seismograph N. S. Component.

From August 16, 1922

to August 31, 1922

No. 18

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1321	Aug. 18	eLM LM F	5-30 5-31 Lost in micros	16				
1322	Aug. 25	e eL LM F	12-42.5 12-48 13-05 to 13-13 Lost in micros.	16				
1323	Aug 25 a	O P S L L L L F	19-29-55 19-42-18 19-52-38 (20-09) 20-14 20-19 20-26 to 20-35 21-10ca.	22 14				9200
1324	Aug. 29	eM e eM eLE L L F	17-21-19 17-26-58 17-31-23 17-56 18-06 18-17 18-57ca.	19 17				
1325	Aug. 30	eM eM e eL L F	22-50-45 22-54-38 22-57-15 22-58 23-01 23-40ca.	12				Press reports a quake at Santiago, Chile Aug. 30 at 7.52 P.M. Cannot reconcile this record with the reported quake.

Subscripts M refer to Milne-Shaw N. S. Component.

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TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne Shaw Horizontal Seismograph N.S. Component.

From August 1, 1922

to August 16, 1922

No. 17

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1316	Aug. 9	eL _M L _M F	17-00 17-02 to 17-07 17-10ca		No trace on other components.			
1317	Aug. 11	O eP _V iS eL _M L L F	(8-19.6) 8-31.3 8-40-56 8-54 8-55 9-00 9-15					(8360)
1318	Aug. 11	eM L L L L F	13-57-45 14-14 14-19 14-22 14-28 14-52					No trace on vertical.
1319	Aug. 13	O P _M S _M I _M L L F	0-09-58 0-21-30 0-31-00 0-45 0-47 0-52 to 1-05 2-15ca.					8200 Difficult to get distance exactly as P appears a few seconds different on all components as also does S.
1320	Aug. 16	O P _M S _M L _M L L M F	15-56-27 16-07-41 16-16-54 16-29 16-36 16-44 16-48 17-50ca.					7860

Subscripts M refer to Milne-Shaw N.S. Component.

Ernest A. Hodgson

OTTAWA

EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne Shaw Horizontal Seismograph N. S. Component.

From Sept. 17, 1922 to Sept. 30, 1922. No. 21

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h. m. s.	s.	μ	μ	μ	km.
1334	Sep. 17	e	8-12					
		eL	8-20	28				
		L	8-23	22				
		L	8-25	18				
		L	8-32	12				
		L	8-36	18				
		L	8-51	18				
		L _M F	9-05 9-10ca.					
1335	Sep. 17	e	10-25.7					
		e	10-27.5					
		e	10-41					
		eL	10-44					
		L	10-56	26				
		L	11-00	20				
		L	11-04	16				
		L F	11-08 12-00ca.	14				
1336	Sep. 29	eL?E	19-29					Irregular, may not be seismic.
		L _E	19-33.5					
		F	19-50ca.					
1337	Sep. 29	P?NMV	21-42-00					Irregular waves. Certainly seismic.
		i _M	21-49-45					
		eL _E	21-51	8				
		L	21-52.5					
		F	22-30					
1338	Sep. 30	i _M	23-46-51					Irregular sharp wavelets of small amplitude.
		F	23-54					

Subscripts M refer to Milne-Shaw N. S. Component.

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EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
 Milne Shaw horizontal seismograph N. S. Component.

From Sept. 11, 1922 to Sept. 16, 1922 No. 20

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1331	Sep. 12	e	11-54-37					
		eL	12-02					
		L	12-09	19				
		L	12-19	15				
		L	12-26	13				
		F	12-50					
1332	Sep. 14	e _E	19-48.4					
		e	19-53.6					
		eL _E	20-01					
		L _E	20-13.3					
		L _E	20-16	40				
		L _E	20-21	30				
		L	20-24.5	24				
		L	20-29	20				
		L	20-32	18				
		L	20-37	16				
		L	20-43	16				
L	20-51	16						
L	21-15	18						
		F	21-43ca.					
1333	Sep. 16	e ^{?M}	23-14					
		e ^{?M}	23-25					
		e	23-28					
		eL _M	23-33					
		L	23-41	24				
		L	23-45	20				
		L	23-55	14				
		F	0-30					

Time signals not working properly. Time uncertain. Preliminary waves very small. L waves well marked.

Subscripts M refer to Milne-Shaw N. S. v. Component.

Ernest A. Hodgson

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EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne Shaw Horizontal Seismograph N. S. Component.

From Sept. 1, 1922 to Sept. 11, 1922. No. 19

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1326	Sep. 1	O	19-23-26					8180
		P	19-34-56					
		S	19-44-25					
		eL	19-58.3					
		L	20-05	40				
		L	20-14	26				
		L	20-24	18				
		L	20-34	15				
		L	20-40	13				
		L	20-42	18				
		L	21-00	18				
		L	21-15	16				
		F	22ca.					
1327	Sep. 3	eN	3-51-39					
		eL	3-54					
		F	4-00					
1328	Sep. 4	i	17-13-00					
		i	17-15-00					
		i	17-20-00					
		i	17-21-40					
		F	17-45					
1329	Sep. 4	L _E	18-53 to 19-10					
1330	Sep. 11	eL _E	(15-48)					
		L	15-54					
		L	15-58	20				
		F	16-15ca.					

Subscripts M refer to Milne-Shaw N. S. Component.

Ernest A. Hodgson

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EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne-Shaw Horizontal Seismograph N. S. Component.

From October 15th, 1922 to October 31st, 1922 No. 23

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h. m. s.	s.	μ	μ	μ	km.
1344	Oct. 16	e?E	16-44.5					
		eLE	16-52					
		L	16-57	20				
		L	17-01	18				
		F	17-20ca.					
1345	Oct. 17	e?	7-32					
		eL	7-37					
		LE	7-44	28				
		LE	7-50.5	22				
		LE	8-01	14				
F	8-15ca.							
1346	Oct. 24	O	21-22-03					8050
		P	21-33-26					
		PR ₁	21-36-36					
		S	21-42-49					
		L	21-57					
		L	22-01	19				
		L	22-12	15				
F	23ca.							
1347	Oct. 27	eLE	15-15					
		LE	15-21	21				
		LE	15-26	17				
		F	Lost in heavy micros.					
1348	Oct. 30	eE	2-08-37					
		eE	2-11-00					Small irregular wavelets.
		F	Micros.					
1349	Oct. 30	eE	3-00-24					Small irregular wavelets.
		F	3-09ca.					

Subscripts M refer to Milne-Shaw N. S. Component.

Ernest A. Hodgson

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EARTHQUAKE STATION, DOMINION OBSERVATORY



International
Seismological
Centre

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne-Shaw Horizontal Seismograph N. S. Component.

From **October 1st, 1922** to **October 15th, 1922** No. **22**

No.	DATE	PHASE	TIME		PERIOD	AMPLITUDE			DISTANCE
						A_E	A_N	A_Z	
						μ	μ	μ	
1339	Oct. 6	O	5-28-11					5240	
		P	5-36-55						
		S	5-43-50						
		L	5-49						
		F	5-53	9					
1340	Oct. 7		16-26-49						
		i _M	16-26-55						
		L _M	16-30	7					
		F	Lost in	micros.					
1341	Oct. 11	O	14-49-40				6880		
		P	15-00-01						
		PR ₁	15-02-44						
		S	15-08-24						
		SR _{1M}	(15-13-15)						
		SR _{2M}	15-15-20						
		L ₂	15-19.5	40					
		L	15-22.5	35					
		L	15-26	24					
		F	15-34.5	17					
1342	Oct. 14	e?E	23-11						
		eL _E	23-17						
		F	23-25ce						
1343	Oct. 15		0-07.3						
		e?E	0-12						
		eE	0-16.2						
		eL _E	0-31						
		L _E	0-35.6	44					
		L _E	0-40	31					
		L _E	0-44	23					
		L _E	0-48	20					
		L _E	0-51	18					
		F	1-45						

Subscripts M refer to Milne-Shaw N. S. Component.

Conrad E. Holston

OTTAWA

EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph. Milne-Shaw seismographs 17 and 23, both registering E-W Component.

From **November 11 ' 22** to **November 30 ' 22** No. **26**

No.	DATE	PHASE	TIME			PERIOD	AMPLITUDE			DISTANCE
			h.	m.	s.		A_E	A_N	A_Z	
							s.	μ	μ	
1354	Nov. 11	O	18	09	33				8080	
		PV	18	20	58					
		SE	18	30	22					
		eL	18	44	5					
		L	18	49						
		L	18	53		20				
		L	18	57	16	16				
		F	19	02		16				
1355	" 12	i	7	30	22					
		F	7	55						
1356	" 17	O	11	03	15				8020	
		PV	11	14	37					
		SE	11	23	58					
		eL	11	35						
		L	11	37		20				
		L	11	46		17				
		L	11	50		17				
		L	11	55		15				
L	11	59		17						
1357	" 22	eL	15	42						
		L	15	47		18				
		F	15	55	ca					

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EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5h 02m 51s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

Milne-Shaw seismographs 17 and 23, both recording E-W Component

From

November 9, 22

to

November 11, 22

No.

25

No.	DATE	PHASE	TIME		PERIOD	AMPLITUDE			DISTANCE			
			h.	m.		s.	A _E	A _N		A _Z		
						μ	μ	μ	km.			
1353	Nov. 11	O	4	32	37				8230 Well recorded on vertical.			
		1P	4	44	10							
		S	4	53	42							
		SR ₂ ?E	5	03	ca							
		eL?	5	08	.4							
		M1E	5	12	.5	25						
		M1N	5	16		19						
		M2E	5	22		17						
		M2N	5	25	.5	17						
		M3NE	5	38		17						
		M4NE	5	44		17						
		F	9	20	ca							
		HALIFAX RECORD										
				O	4	32	58					8200
				eP	4	44	33					
		PR ₂ E	4	49	23							
		SE	4	54	00							
		SR ₂ ?E	5	02	28							
		eLE	5	08	.5							
		LE	5	19	.5							
		LE	5	35								
		LE	5	44	.5							
		F	7	48	ca							

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EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne-Shaw seismographs, Nos. 17 and 23, both registering E-W

From November 1, 1922.

to November 9, 1922

No. 24

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1350	Nov. 4	e?E eL L F	3-32 3-40 3-41.3 3-50	10				
1351	" 7	O P S eL?E eLN L L L L F	23-00-23 23-11-47 23-21-10 23-31 23-34 23-37 23-43 23-50 23-53 1-00 ca	18 20 19 17				8060 Good record on vertical
1352	" 9	eLE LE LE F	0-09 0-10 0-13 0-26	22 18				Faint traces of L waves on vertical.

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EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph. Milne-Shaw seismographs, Nos. 17 and 23, both recording E-W Comp.

From December 1, 1922. to December 18, 1922 No. 27

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h. m. s.	s.	μ	μ	μ	km.
1358	Dec. 2	e eL _E F	4-39-22 4-43.5 5 ca.					
1359	" 6	eL _E L F	14-30 14-38 15-00 ca					
1360	" 13	eL F E	5-29 5-35 ca					
1361	" 14	O eP eS eL L L L L L	23-19-23 23-31-25 23-41-25 23-55 24-10 24-20 24-30 24-42 24-58					8800
	" 15	L F	1-12 1-50	43 19 17 15 14 13				M-S record on No. 17 only. E-W comp. Other instruments not in operation.
1362	" 17	e _E e _E eL _E F	1-12-58 1-14-22 1-29.5 2-00					Strasburg reports by wireless O= 0-59-31 Δ= 9590. (from Strasburg) Record not defined well at Ottawa
1363	" 18	e? e _E e eL L L L F	12-27-41 12-40-58 12-45 12-47 12-50 13-05 13-14 13-40					Irregular faint outcrops of L waves. Small amplitudes after 13 hr.

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EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.
Milne-Shaw seismographs Nos. 17 and 23, both registering E.W.

From December 18'23. to December 25'23. No. 28

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
					μ	μ	μ	
			h. m. s.	s.				km.
1364	Dec. 18	e eL L F	21-24-46 21-32 21-35 Lost in micros.		Faint traces only on M-S 17.			
1365	" 19	e? e eLE LE LE L F	18-17 18-18.8 18-20 18-22.5 18-29 Lost due to lights being turned off at power station.	20	Small traces only.			
1366	" 23	e eL L F	22-50 22-54 23-00 to 23-18 Lost in micros.					
1367	" 25	eE eE eLE LE LE F	4-05 4-11 4-37.4 4-39 4-48 5-00 ca	20 16				
1368	" 25	e eL L F	12-18 12-21 12-28 to 12-39 12-55					
1369	" 25	eL F	14-41 15-00 ca					

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EARTHQUAKE STATION, DOMINION OBSERVATORY



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51.8 W. Greenwich, ALTITUDE 83m.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

Two Milne-Shaw seismographs, Now ^{to} 17 and 23, both on E-W Component

From

~~December 25-23~~

~~December 31-23~~

~~29~~

No.	DATE	PHASE	TIME			PERIOD	AMPLITUDE			DISTANCE	
							A_E	A_N	A_Z		
							μ	μ	μ		
			h.	m.	s.	s.				km.	
1370	Dec. 31	e _E e _E S _E eL _E L _E M _E L _E F	7-31-45 7-35-24 7-42-15 7-53 8-00 8-10 8-13 9-00			22 18					Strasburg reports by wireless O = 7-25-52 Δ = 2850 (from Strasburg)

Ernest A. Hodgson