OTTAWA

Earthquake Station, Dominion Astronomical 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.

From January 1st., 1920 *to* January 31st., 1920. *No.* 1.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1055	Jan. 4	e	4-22-03					3440
		ePa	4-28-39		S waves seem to have short			
		eS	4-33-52		period P waves of a second			
		eL?	4-37.7		quake superimposed upon ther			
		L	4-45	15				
		L	4-55	8				
		F	5-15					
1056	" 30	e	18-28-07					3320
		ePa	18-35-12					
		ePPR1?N	18-36-06					
		S	18-40-49					
		L	18-44-20	24				
		L	18-48					
		F	19-10					
1057	" 30	L	20-30					
			20-40	20				

There were traces of disturbances at 0h. Jan. 14 and at 11-40 on the same date but all phases were lost in very heavy micros. The disturbance may not have been seismic.

Ernest E. Hodgson

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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 February 1st., 1920 *to* February 10th., 1920 *No.* 2.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1058	Feb. 2	PR_1?	11-42-44		Δ approx. 12,500 Km.			
		e?	11-48-16		as shown by the times of			
		eL	12-13	50	eL and LR_1, which are both			
		L	12-28	23	well marked. Early phases			
		L	12-40	18	lost.			
		L	12-54	17				
		L	13-11	16				
		LR_1	13-15	25				
		L	13-25	22				
		L	13-35	18				
		L	13-45	16				
		L_E	14-09	13				
		F	---- lost in changing the sheets.					
	HALIFAX RECORD.							
		PR_1?	11-44-58		Epicentre probably in the			
		e?	11-50		East Indies.			
		eL	12-15.5					
1059	" 7	i_N	12-01-28		Early phases lost in heavy			
		eL	12-05 to		micros.			
			12-09	15				
1060	" 8	L	6-54 to		Faint traces only.			
			7-10	19				
1061	" 10	$e?_E$	9-42-20					
		$L?_E$	9-46-16					
		L?	10-11					
		L_E	10-19 to					
			10-40	18				
		L_E	11-10 to					
			11-15	18				
		L	11-20					
		F	11-40					

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Earthquake Station, Dominion [redacted]al 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 February 10th., 1920. *to* February 29th., 1920. *No.* 3.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1062	Feb.10	O	22-07-22					2900
		P	22-13-09					
		S_N	22-17-44					
		L_E	22-20-20					
		L	22-22 to					
			22-31	21				
		L	22-35 to					
			22-47	15				
		L	22-50	14				
		L	23-06	13				
		L_E	23-25	13				
		F	24-50					
	HALIFAX	RECORD.						
		O	22-07-26					2610
		P	22-12-44					
		S	22-17-08					
1063	" 12	$_eE$	0-35-02					
		eL	0-41					
		F	0-55					
1064	" 22	i	17-47-25					
		i	17-56-51					
		$_eE$	17-59-36					
		L?	18-10 to					
			18-25					
		F	18-35					
1065	" 28	O	18-44 ca.					(5000)
		P?	18-52.5	P on	Deformation Inst.			cnly.
		S?	18-59-12		Early phases poor			on the
		eL	19-06.		seismographs due to			
		L	19-15	25	micros.			
		F	19-25					

Ernest C. Stoker

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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 1st., 1920. *to* March 20th., 1920. *No.* 4.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1066	March 9	L	4-52					
		F	5-10					
1067	" 10	e_N	16-27-14					
		e	16-27-52					
		L_E	16-28-48					
		F	16-33					
1068	" 15	O	12-16-43					9360
		eP_E	12-29-38					
		e_E	12-35-42					
		eS_E	12-40.5					
		L_E	13-00	32				
		L	13-06	22				
		L	13-09	18				
		L	13-17	17				
		L	13-24					
		F	13-45					
1069	" 19	e?E	17-52-22					
		e	17-53-36					
		i	17-54-22					
		L?	17-56-44					
1070	" 20	e	18-00-52					
		e	18-07-30					
		eL?	18-09.7					
1071	" 20	O	18-31-23					9560
		P_N	18-44-04					
		S^N	18-54-42					
		SR_{1E}	19-00-30					
		eL?	19-09 to					
		L	19-17	35	L waves too soon by almost three minutes.			
		L	19-18 to 19-21	18				
		L	19-24 to 19-32					
		F	20-55					

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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 21st., 1920. *to* March 31st., 1920. *No.* 5.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	
					A_E	A_N	A_Z		
			h. m. s.	s.	μ	μ	μ	km.	
1072	March 22	L	2-42 to 2-47		Irregular L waves.				
		L	2-50 to 3-05						
		L	3-06 to						
		F	3-10						
1073	" 22	o?E	20-30-04						
		e?E	20-43-36						
		L	20-55 to 20-58	30					
		L	20-59 to 21-10	22					
		L_E	21-15 to 21-20	16					
		F	21-40						
1074	" 23	O	(15-21-53)					(3400)	
		iP?	15-28-25						
		iS?	15-33-35						
		L	15-36.5						
		F	16-15						
1075	" 29	O	5-07-50					3780	
		P	5-14-55		Well marked quake but small and irregular L waves after M.				
		S	5-20-36						
		L	5-25						
		M	5-27 to 5-31						
		L	5-35 to 5-45	42					
		F	6-45						

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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 1st., 1920. *to* April 30th., 1920. *No.*

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1076	April 6	O?	16-43-22					3800?
		iI?	16-50-25					
		S?	16-56-00					
		F	Lost in micros about 17-10					
1077	.. 11	e	23-25-08 to		Very irregular small waves.			
		F	24-00		Possibly not seismic.			
1078	.. 16	$e?_E$	22-47.5					
		$e?_N$	22-48.8					
		eL	23-00 to	24				
			23-12	17				
		F	23-33					
1079	.. 18	e	21-29-28	2	May not be seismic.			
		e	21-29-55	4				
		F	Lost in micros about 21-35.					
1080	.. 19	O	21-06-26					3420
		P	21-13-00					
		S	21-18-12					
		eL?	No regular sinusoidal periods. Irregular small waves with micros to					
		F	21-55.					

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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 May 1st., 1920. *to* May 31st., 1920. *No.* 7

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1081	M 7. 7	eL	6-35 to 7-20	24 18				
1082	" 7	e	21-51.6	4				
		eL	22-22	40				
		L	22-35	28				
		L	22-46	18				
		L	23-00	15				
		F	23-30					
1083	" 8	e	21-28 to 21-45		Very faint. May not be seismic.			
1084	" 8	e	23-36 to 23-55		Very faint. May not be seismic			
1085	" 26	e	13-11 to 13-30		L waves on E very small but regular and sinusoidal.			
		L_E	13-20 to 14-00		L waves on NS very irregular			

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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 June 1st., 1920. *to* June 30th., 1920. *No.* 8.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	
			h. m. s.	s.	μ	μ	μ	km	
1086	June 2	b?	22-14.8		Irregular waves of small				
		eL?	22-19.5 to		amplitude. May not be				
			22-35	6	seismic.				
		F	22-55						
1087	" 4 5	P?	4-40 (ca)		A large earthquake. The				
		S?	4-50 (ca)		record was unfortunately				
		L	5-08		spoiled through a fogged				
					sheet.				
1088	" 9	e_N	11-53-09 to		No evidence of resolution				
			11-59	6	into phases.				
		F	12-25						
1089	" 18	e	10-25.5 to	4 to					
			10-37	8					
1090	" 22	e	3-05-52 to						
			3-25	6					

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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 1st., 1920. *to* July 7th., 1920. *No.*9

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE
			h. m. s.	s.	μ	μ	μ	km.
1085	May 30.	eN	Lost in micros.		Omitted in reading the May sheets as it appeared to be local.			
		eE	21-05					
		e?	21-06-20					
		MN	21-07-50					
		F	21-35-00					
1091	July 2	e	Lost in small micros at about 19 hr.					
		PR?	19-11 ca		From Deformation Instrument only. (18 mm. = 1 hr.)			
		eS ?	19-16 ca					
		eL	19-33	30				
		L	19-47	20				
		LE	19-56	18				
		LE	20-10	15				
		F	20-30					
1092	" 2	e	21-55.9		May not be seismic.			
		eL	21-59-48					
		F	22-40					
1093	" 7	e?	18-41-34					(4160)
		P?	18-49-04					
		S? N	18-55-00					
		eL	19-00 ca					
		L	19-10		irregular.			
		F	19-45					

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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 7th., 1920. *to* July 31st., 1920. *No.* 10

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE
			h. m. s.	s.	μ	μ	μ	km.
1094	July 7	eN	23-22-48		Small irregular record.			
		eL	23-32-00					
		MN	23-35					
		F	23-55					
1095	" 8	eN	0-54-00		Small irregular record.			
		e	1-58-20					
		MN	1-03					
		F	1-35-00					
1096	" 11	eN	1-40-40		Small irregular waves resembling micros.			
		i	1-48-12	4				
		i	1-50-08	6				
		e	1-55.5 to					
		F	2-2-20					
1097	" 16	e	17-15.9		NS lost in generator disturbance.			
		P	17-22.9					
		S	17-28.5					
		L	17-32.7	26				
		F	17-40	12				
			18-00					
1098	" 26	e	5-34-40		Faint trace only.			
		F	6-00-00					

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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 August 1st., 1920 *to* August 15th., 1920 *No.* 11.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km
1099	Aug 3.	•?	3-23-04		Small disturbance resembling micros.			
		F.	4-40 ca.					
1100	" 3	O	19-57-20					8140
		P_N	20-08-48					
		S_E	20-18-15					
		•L	20-31-30	40				
		L	20-40	21				
		L	20-51	15				
		F	21-30					
1101	" 13	i	2-13-30		Irregular short periods of 2 to 4 sec. closely resembling micros. May not be seismic.			
		i	2-14-06					
		•	2-16-27					
		i or L	2-22-08					
		i	2-22-50					
		i	2-24-00					
		F	3-50					
1102	" 15	O	8-22-08					10000
		•P	8-35-10					
		S_E	8-46-08					
		SR_1E	8-52.7					
		•L	9-07	33				
		L_E	9-26	18				
		L_E	9-29	17				
		L_E	9-39	16				
		L_E	10-00	15				
		LR_1E	10-31	20				
		F	10-40					

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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 August 15th., 1920 *to* August 31st., 1920 *No.* 12.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE	
			h. m. s.	s.	μ	μ	μ	km	
1103	Aug. 20.	O?	16-15-43					(9140)	
		e?N	16-22-30						
		iP?	16-28-03		Phases do not agree very				
		iS?	16-38-21		well as giving a Δ.				
		eE	16-43-20						
		eL$_E$?	16-52.5	40	O and Δ are given with				
		L	17-09	18	reservation.				
		L	17-17 to	13					
		L	17-25						
		L$_E$	17-36	12					
		L$_E$	18-00	13					
		L$_E$	18-20	13					
		F	18-30						
1104	" 21	eE	21-26-26						
		L	21-37	11					
		F	21-51						
1105	" 26	O	23-00-04					6200	
		iP	23-09-46						
		PR$_1$E	23-12-13						
		eS	23-17-33						
		eL?	23-27.5						
		L	23-31	24					
		L$_E$	23-44	18					
		L$_E$	0-05	13					
		L$_E$	0-25	12					
		F	1-00						
1106	" 29	eL$_E$	11-50-23 to 12-05	21					

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EARTHQUAKE STATION, DOMINION OBSERVATORY

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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 September 1, 1920. *to* September 8, 1920 *No.* 3.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	
					A_E	A_N	A_Z		
			h. m. s.	s.	μ	μ	μ	km.	
1107	Sep. 4	O	(14-17-16	)				(8780)	
		P?E	14-29-17						
		S?E	14-39-16						
		eL?E	14-57						
		LE	15-07	21					
		LE	15-20	19					
		LE	15-30	17					
		LE	15-40	16					
		LE	15-45	16					
		LR_1?E	16-34.5						
		F	16-40						
1108	" 7	O	5-55-44					6450	
		P	6-05-41						
		S E	6-13-41						Italian earthquake.
		eL	6-25-12						
		IE	6-30	17					Epicentre in northern
		IE	6-42	13					
		F	7-10						Italy.
1109	" 8	O?	1-49 ca.						(10000)
		PR_1N?	2-05-25						
		eL	2-06-27						
		iE	2-10-51						Δ obtained through
		iE	2-12-00						
		SN?	2-12-58						approx. agreement in
		eLN	2-33	40					
		L	2-35	40					PR_1E, S_N, eL and LR_1E
		L	2-39	22					
		LE	2-48	18					O obtained by sub-
		LE	2-53	16					
		LE	3-08	16					tracting I_S at 10000
		LE	3-12	14					
		LE	3-20	14					from $S?_N$ at 2-13 ca.
		LE	3-28	13					
		LR_1E	4-00	20					
		F	4-20						

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EARTHQUAKE STATION, DOMINION OBSERVATORY

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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 September 8, 1920. *to* September 20, 1920. *No.* 14.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1110	Sep. 9	eR?	19-15-37					
		e	19-26-23					
		e	19-42-47					
		eR?	19-43.8					
		E	19-46	35				
		[illegible]	19-55	28				
		[illegible]	20-00	23				
		[illegible]	20-05	20				
		[illegible]	20-16	20				
		[illegible]	20-28	17				
		[illegible]	20-35	15				
		LR E	21-00	23				
		[illegible]	21-15					
1111	" 13.	[illegible]	0-02-10		NS Component masked in			
		eE	0-05-38	19				
		[illegible]	0-22		microseisms.			
1112	" 20	e	14-45-12					9660
		eV	14-57-57					
		eE	15-04-55					
		eE	15-06-27					
		eV	15-08-40					
		eE	15-29.6	50				
		E	15-40	27				
		ME	15-45	20	1000μ	90μ	600μ	
		E	15-55	17				
		E	16-06	17				
		E	16-21	15				
		E	16-45	24?				
		E	16-55	17				
		ER eV	16-56.8	16				
		E	18 hrm					

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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.

From September 20, 1920. *to* September 30, 1920. *No.* 15.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1113	Sep. 21	eL_E	3-35 to 3-48	24 to 18	NS component completely			
		I_E	3-53	16	obscured by micros.			
		F	4-10					
1114	" 21	e	18-04-24					
		$eL?_E$	18-19					
		I_E	18-25.5					
		L_E	18-30	15				
		L_E	18-40	15				
		F	19- ca.					
1115	" 24	O	21-54-54					4340
		P_N	22-02-37					
		PR_{1N}	22-04-07					
		S	22-08-43					
		eL_E	22-11-16					
		I_E	22-15-.5	22				
		L_E	22-28	10				
		F	23-15					
1116	" 27	O?	5-24-34					(4220)
		P_E?	5-32-08					
		S_E?	5-38-08					
		eL	5-43-38	20				
		L	5-54	8				
		L	6-03	9				
		F	6-30					
1117	" 28	e	0-31-54					
		F	0-56-00					

Ernest A Hodgson

OTTAWA

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.

From October 1st. 1920. *to* October 8th., 1920. *No.* 16.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE A_E	AMPLITUDE A_N	AMPLITUDE A_Z	DISTANCE
			h. m. s.	s.	μ	μ	μ	km.
1118	Oct. 1	o	19-02-25	Micros interiore with the registration of the preliminary phases.				
		e	19-11-54					
		F	20-00					
1119	" 5	o	19-22.5					
		oL?	19-23					
		L	19-24.3 to 19-30	10				
		F	19-50					
1120	" 7	O	20-55-18					5700
		P	21-04-31					
		S	21-11-51					
		i_E	21-12-33					
		i_E	21-14-11					
		el_E	21-19-16					
		L_E	21-22	28				
		L	21-30	22				
		L	21-40	16				
		F	22-ca					
1121	" 8	O?	16-50-28					(3600)
		P	16-57-16					
		S_N	17-02-40					
		eL	17-06-25	Irregular waves in L phase				
		F	17-50 ca					

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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.

From October 8th., 1920. *to* October 24th., '20. *No.* 17.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1022	Oct. 18	O	8-11-49					8780
		iPV	8-23-50	LR1 recorded sharply on the				
		iSV	8-33-49	deformation instrument, 10-30				
		eLV	8-52.4					
		LV	8-55	28				
		LR1 def.	10-30					
		FV	9-hrs.ca.					
	HALIFAX RECORD.							
		O	8-11-52					9100
		ePN	8-24-10	Halifax and Ottawa records				
		iSN	8-34-26	taken togethre indicate an				
		eL	8-52-56	epicentre in the Kurile Ids.				
1023	Oct. 20	eE	10-54.5					
		eLE	11-03.5	24				
		F	11-20					
1024	" 22	O	12-09-51					7390
		iPNV	12-20-46					
		iN	12-25-30					
		iSNV	12-29-35					
		iE	12-30-20					
		iEN	12-31-22					
		eL	12-37.5	irregular				
		L	13-00	18				
		F	13-18					
1025	" 24	eLE	2-42-40					
		F	2-50-ca.					

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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 October 24th., 1920. *to* October 31st.,'20. *No.* 18.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1126	Oct. 28	e_E	(7-43-00)					
		eL_E	7-53-08					
		L	7-56-48	20				
		L	8-02-45	16				
		L	8-19-00	12				
		F	8-50					
1127	" 28	O	12-50-11					8080
		P_N	13-01-36					
		PR_1N	13-04-45					
		PR_2N	13-06-21					
		S_N	13-11-00		Reported in press as being 900 miles from La Plata.			
		i_N	13-11-24					
		i_N	13-12-12					
		SR_1N	(13-15-14)					
		SR_2N	(13-19-10)					
		eL_{NE}?	13-25-08					
		L	13-26-45	24				
		L	13-33	28				
		F	14-30					

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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.

From Nov. 1, 1920. *to* Nov.28th., 1920. *No.* 19

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1128	Nov. 4	e	2-21-40	irreg	Lost in micros:			
		F	2-45					
1129	" 6	e_E	10-55-47		NS lost in micros.			
		eL_E	11-00-21					
		L_E	11-08-31	12				
		F	11-15					
1130	" 8	e	19-26-00		Reported from			
		e	19-27-33		St. Thomas de Joliette, Que.			
1131	" 12	e	6-00-33					
		eL	6-07-17					
		L	6-11	20				
		F	6-40					
1132								
~~1032~~	" 16	O	8-30-54					3960
		iP	8-38-09					
		S	8-43-54					
		eL_E	8-48-32	irreg				
		L_N	8-49-23	32				
		F	9-35					
	SASKATOON RECORD							
		eP	8-55-08					2510
		iS	8-39-14					
		L	8-41 ca					
1133								
~~1033~~	" 26	eL	9-24-00	20 to				
		F	9-50	14				
1134								
1034	" 28	eL	11-46-54		Irregular L waves of small amplitude.			
		F	12-18					

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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 Nov. 28, 1920. *to* Nov. 30, 1920. *No.* 20

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1135	Nov. 29	O	8-05-10					3740
		ePN	8-12-09					
		S	8-17-41					
		eL	8-20-52	23				
		L	8-35	12				
		F	9-00					

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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.

From December 1st., 1920 *to* December 13th., 1920 *No.* 21

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	
					A_E	A_N	A_Z		
			h. m. s.	s.	μ	μ	μ	km.	
1136	Dec. 5	e?E	10-30.5		Faint record, almost				
		eL$_E$	10-37.3						
		L$_E$	10-39.5	20	lost in heavy micros.				
		F	Lost in micros						
1137	" 7	eP	15-34.0	17	Two short records of				
		eL	15-51-30	23	L waves of small am-				
		F	LOst in micros.		plitude. Balance ob-				
					scured in micros.				
1138	" 10	O	4-26-19					9020	
		iP$_V$	4-38-33		Quakes reported from				
		iS$_N$	4-48-45		Honduras about this				
		eL$_{NE}$	5-05.7		date. No trace on our				
		L	5-12	24	records of those quakes.				
		L	5-25	19					
		L	5-35	16					
		F	6-00						
1139	" 11	O	21-25-41	?				(2470)	
		(P)$_N$	21-30-45						
		(S)$_N$	21-34-48		Very irregular micros				
		(eL)$_E$	21-36.9		of considerable mag-				
		L	21-41	22	nitude obscure the				
		F	22 ca.		record.				
1140	" 13	e?E	4-19-25						
		eL$_E$	4-39	40					
		L$_E$	4-52	21					
		L$_E$	5-02	16					
		F	Lost in micros.						

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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 Dec. 15th., 1920 *to* Dec. 16th., '20 *No.* 22.

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1141	Dec.16	O	12-06-45					9590
		P_{NV}	(12-19-27)					
		S	12-30-06					
		e_E	12-37-13					
		i_N	12-38-04					
		eL_E	12-46	60				
		L_N	12-52	45				
		L_E	12-52	36				
		L	13-07	25				
		L	13-20	18				
		L	13-36	17				
		L	13-55	16				
		L	14-12	15				
		LR_1	14-17	20				
		L	14-40	18				
		L_E	14-55	18				
		F	16hrs					
					The last hour's record very faintly marked.			
SASKATOON	RECORD							
		O	12-05-56					9600
		P_N	12-18-39					
		S_N	12-29-19					
		SR_{1N}	12-35-25					
		eL_N	12-44					
		M_N	12-56					
		F	15-ca					

Ottawa and Saskatoon Δ circles define an epicentre 41°N, 62:5E but the arcs are almost parallel and the long value is poorly defined. The epicentre occurred about 41°N but farther east. An approximation might be given as 41°N 85°E with the possibility of the centre of the disturbance being even farther east in approximately the same latitude.

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EARTHQUAKE STATION, DOMINION OBSERVATORY

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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 December 16th, 1920 *to* December 31st, 1920. *No.*23

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE
					A_E	A_N	A_Z	
			h. m. s.	s.	μ	μ	μ	km.
1142	Dec. 17	e_E	19-20-50					
		eL_E	19-39	35		Probably occurred		
		L_N	19-48.3	20		in Albania. Not		
		L	20-00	17		well recorded here.		
		F	20-15					
1143	" 25	e_E	12-03					
		eL_E	12-17.5	13				
		L_E	12-20.5	23				
		L	12-30	18				
		F	13-10 ca					

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