

TORONTO

1924

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA.

LATITUDE, 43° 40' 0.8" N LONGITUDE, 5h 17m 35.6s W HEIGHT, 373 feet above sea level SUBSOIL, Sand and Clay.

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
				A _N	A _E	A _Z	
		h. m. s.	s-	μ	μ	μ	km
1924.							
January							
2nd.	e	9 56 45					
N	F	10 26					Micros.
E-W component, oscillations caused by strong W wind.							
4th	i	22 00 22					
	L	22 02 27	11				
Uniform waves to							
		22 03 30					
	L	22 04 08					Micros going on.
	M1	22 05 24			24		
	M2	22 05 35	11				
	L	22 08 38	8				
	F	22 22					
	i	22 00 28					
	L	22 04 41	14				
N	M1	22 05 30					
	M2	22 05 41	11	7			
	M3	22 05 51					
	F	22 20					
2676.	L	18 16 30 to					
6th	F	18 18 00	6				Sinusoidal waves
N		Micros.					
2677.	i	10 12 10					
	e	10 16 30					
W	e	10 20 52					
	L	10 26 10	15		12		Micros going on.
	L	10 31 00	12				
	F	Micros.					
	i	10 12 13					
N	i	10 20 52					
	L?	10 24 45	Irregular				Small micros, previous to 10h 12m 13s
	L	10 27 04					
	F	Micros.					
2678.	e	0 07 14					Small amplitude.
	L?	0 24 00					Micros going on.
W	L	0 27 00					
	F	Micros.					
N-S component does not appear disturbed.							

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NO.	DATE	PHASE	TIME h. m. s.	PERIOD s.	Amplitude			DISTANCE km
					A N μ	A E μ	A Z μ	
January continued.								
2682.	16th W	L L F	22 14 15 22 41 30 Micros.	23 15				Small active phases obscured by micros
	N	i eL F	22 11 47 22 18 43 Micros.					Micros going on.
2683.	20th N	i? F	22 50 45 Micros.					Micros going on
E-W component, winds effect boom.								
2684.	21st. W	iP eS iS eL L L L? F	2 04 50 2 12 21 2 12 29 2 22 15 2 25 45 2 26 02 3 48 21 Micros.		15 15 23		27	Preceded by micros.
	N	eP iP iPRI eS iS i i eL L to e F	2 04 49 2 04 51 2 07 23 2 12 29 2 12 31 2 13 15 2 14 33 2 22 14 2 36 38 2 41 23 3 48 23 Micros.	5				Uniform P waves to 2h 05m 42s. 8 sec. period. P & S well defined L waves very small and irregular
					15			Small amplitude.
2685.	25th W	eP iP i S S L L L L F	6 13 18 6 23 23 6 15 38 6 19 00) 6 19 23) 6 20 50 6 28 15) 23) 6 31 38 6 46 55 7 48 11 Micros.			11 11 15 11 15 17	4 5 6	

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					A _N	A _E	A _Z		
					μ	μ	μ		
	January continued.								
	25th	eP	6 13 15						
		iP	6 13 25	8					
	N	S	6 19 22)						
			30)	11	4			Difficult seismogram to analyse.	
			Uniform waves to						
		i	6 20 45						
		eL	6 27 25	8					
		F	6 30 00	19					
			7 54						
2686.	26th	i?	2 14 45	4					
		e?	2 25 27	8					
	N	L	2 32 15						
		F	Micros.					Micros going on. Small amplitude, readings doubtful.	
			E-W component, wind masked phases.						
2687.	29th.	O	1 54 59						
		eP	2 06 17						
		eS	2 15 34)						
		i	2 15 38)	12				e well defined 7950 km.	
	W	e	2 24 00						
		e	2 25 00	15				Northern Chili.	
		L?	2 30 22						
		L	2 31 10	37					
			Sinusoidal						
		M1	2 39 00	23		17			
		M2	2 39 23						
		M3	2 39 45						
		F	Micros.						
		O	1 55 02						
		iP	2 06 20)	4				P & S well defined.	
		i	22)						
		iS	2 15 36	8	9				
		e	2 20 41						
		eSR	2 24 08						
		L	2 32 37						
		L	2 36 30	19					
			Sinusoidal to	to					
			2 42 53	23					
		M1	2 39 51	23	19			7930 km. Northern Chili	
		L	2 44 04						
		L	2 48 08	19					
		L	3 00 05	19					
		F	Micros.						

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NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE	
					A N	A E	A Z		
			h. m s.	s-	μ	μ	μ	km	
January continued.									
2688.	30th W	e	5 55 08					Small amplitude. Slow irregular waves.	
		L	6 00 53						
	F	6 04 00							
	N	e	5 34 45						
		F	5 52 00						
2689.	30th. W	e	14 46 05					Small amplitude.	
		i	14 48 56	8					
				Sinusoidal small waves to					
			14 51 38	8					
		F?	15 16						
	N	e	14 46 06						
				Small sinusoidal					
			14 47 17 to						
F		14 56	8						
2690	30th W	O	20 53 01					P poorly defined. 3240 km.	
		eP	20 59 20						
		eS	21 04 20						
		eS	21 04 23	Irregular					
		e	21 06 41						
		i	21 07 20	8					
		i	21 08 10	4to8					
		iL	21 08 14						
		M	21 08 58	11		38			
		F	22 05						
	N	ePR	20 59 58						
		iPR	21 00 02)	5					
			06)						
		eS	21 04 20	15					
		e	21 07 35						
		i	21 10 03	11					
		iL	21 11 00	11					
		M	21 11 15		17				
F	22 00								
2691	31st. W	iS?	1 17 35	10					
		i	1 18 45						
		e	1 19 47						
		e	1 19 55	15	4				
		L	1 27 08 to	15					
			1 31 52		3				
	F	? 2 10							
	N	i	1 09 14)						
			28)						
		i	1 11 25						
		i	1 13 19						
		eS?	1 17 30						
iS?		1 17 39	8	7		is well defined.			
L	1 20 19	11							
F	1 58								

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					A _N	A _E	A _Z				
			h. m s.	s-	μ	μ	μ	km			
2693	1924. Feb. 11th	eP	6 29 30	26				P poorly defined.			
		e	6 43 21								
		S	6 43 35								
		eL	7 19 23								
		L	7 21 00)								
			7 21 15)								
		W	L		7 24 53					Small amplitude.	
					Sinusoidal						
					7 32 17						
					and						
					7 34 38	17					
					eL	7 37 18	22				Small micros.
					F	8 12					
					iP	6 28 53					
		e	6 44 45				S not distinguishable.				
	N	eL	7 28 05	30							
		L	7 32 00				Small amplitude				
			and again				Distant quake.				
		L	7 38 23								
		F	Doubtful								
2694	13th	L	23 49 00	23							
		W	L		0 01 07						
			L		0 14 30						
			F		1 17 00						
			e?		23 40 23						
			N		L	0 00 30					Micros going on.
		L	0 09 15								
		F	1 08								
2695	14th	e	8 03 00	15				May not be seismic.			
		W	e		8 03 15						
			F		Micros.						
			L		8 00 30						
			L		8 04 30						
			N		L	8 32 15					Slow waves mixed with micros.
		L	8 42 00								
		F	Micros.								
2696	15th	e	5 04 08					May not be seismic			
		W	F		5 06						
			L		5 04 25						
			N		F	5 05 43					Mixed with micros.

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					A N	A E	A Z		
			h. m. s.	s-	μ	μ	μ	km	
2697.	February continued. 16th.	i	0 44 15					Small amplitude micros and wind effect the boom.	
		e	0 45 52						
		L	0 57 15						
		L	1 03 35						
		W	L	1 24 28					
				Small sinusoidal to					
			F	1 33 00					
			F	2 00 00					
			i	0 42 55				This component very little effected.	
			e	0 52 02					
		N	L	1 03 38					
			F	1 54 00					
2698	17th	e	0 22 23				May not be seismic.		
		W	F	0 25 00					
		N-S component does not show any movement.							
2699.	17th	L	21 22 00				Wind and micros effect the boom.		
		W	L	21 26 15					
			F?	21 50 00					
		N-S component barely effected.							
2700.	18th	i	17 26 23				Very small amp.		
		N	L	17 54 05	15				
			F	Micros.					
			i	17 26 23				Constant small micros going on.	
			Sinusoidal from						
			17 52 45 to						
	W	L	17 55 30	15		4			
		F	18 28 00						
2701	19th	i	7 22 55	10			Undulatory curves caused by high wind before 7 22 55		
			i	7 23 20)					
				7 23 23)					
			e	7 32 38					
			L	7 33 15					
			L	? 7 55 15					
		W	F	Micros & wind					
			i	7 22 56	4			The impetus is the most conspicuous on the curves	
			i	7 23 00					
			i	7 23 17					
			L	7 45 15					
		N	L	7 55 15	22				
		L	8 10 23						
		L?	? 9 05 00						
		F?	? 9 40 00						

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					<small>A N</small>	<small>A E</small>	<small>A Z</small>		
					<small>μ</small>	<small>μ</small>	<small>μ</small>		
2702.	February continued. 21st.	L?	13 38 15	8 to 15					
			Sinusoidal small waves to						
	W	L	13 40 00			6		Heavy micros going on.	
		F	Micros.						
		e	13 32 46						
	N	L	13 36 15	15	6			Small micros going on.	
		F	13 37 32	10					
			Small micros						
2703.	22nd.	L	11 14 08	15		6		Micros and heavy wind effect boom	
	W	F	Micros.						
		L	11 10 38						
	N		Sinusoidal to	11	3			Small micros mask early phases	
		F	11 15 00						
			11 24						
2704	24th	eP	5 48 17						
		ePR	5 52 10						
		i	5 53 19						
		eS	5 57 44						
		iS	5 57 53					8050 km.	
				No record, lights off					
				6 02 38 to					
				13 08 44					
	N	e	5 48 54					Only slightly shown.	
		S	5 57 52						
2705	26th	i	12 28 53	6					
		iL	12 31 08	15					
		W	L	12 34 00	Irregular				Small amplitude.
			eL	12 48 24					
			L	12 54 02					
		F	12 58						
		N	e	12 29 25					
		i	12 31 08						
		i	13 34 00	8				Very small amp.	
		eL	12 50 45						
	eL	12 53 45							
	F	13 00 00							
2706.	29th	W	e	9 00 51					
			i	9 01 04				Small amplitude.	
			eS?	9 11 51					
			eL	9 53 23	21			Disturbance in midst of tremor storm.	
				Sinusoidal to					
				9 54 00					
		F	?10 12						
	N	i	9 01 11					" " "	
	i	9 01 15							
	eL	9 45 38							
	F	10 00							

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					^A _N	^A _E	^A _Z			
			h. m. s.	s.	μ	μ	μ			
2707	MARCH. 2nd.	L	10 01 15					Slow waves may not be seismic.		
		L	10 34 32							
	W	L	10 50 23							
		F	11 06 00							
	N	L	10 44 23							
		L	10 50 15							
F		11 18								
2708.	4th. W	e	2 24 08				Small amplitude.			
		L	2 25 38	22						
		F	2 36							
N-S component barely effected.										
2709.	4th	O	10 07 24				P very small and indistinctly marked. S pronounced and came in at first as slow easterly movement. 3710 km. Large vibrations.			
		P	10 14 20)							
			10 14 30)							
		eS	10 19 50	8 to 10						
		iS	10 20 00							
		SR	10 21 45	20						
		iL	10 22 33	18	300					
		W	L	10 24 15	25					
			M	10 25 30	15	667				
			L	11 08 05	19					
			L	11 10 15	11	41				
			F	Merged into next quake.						
		N	4th	O	10 07 36					3660 km. Costa Rica Disastrous.
				eP	10 14 30					
				iP	10 14 32	8				
iS	10 19 56									
iS	10 20 02									
iL	10 22 36			17	82					
iL	10 25 37			23	218					
M	10 27 44			20	365					
L	11 03 00			17						
L	11 08 52			13						
	F	Merged into next quake.								
2710.	4th	P	Masked by trailers.				179			
		eS	11 55 54							
		iS	11 55 56							
		W	eL	11 58 17						
			iL	11 58 34	12					
		L	Large sinusoidal from 12 00 46 to 12 04 38		15					
M	12 03 15	15								
F	Merged into next quake.									

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NO.	DATE	PHASE	TIME <small>h. m. s.</small>	PERIOD <small>s.</small>	Amplitude			DISTANCE
					\hat{N} <small>μ</small>	\hat{E} <small>μ</small>	\hat{Z} <small>μ</small>	
	March continued.							
	4th	P	Mixed with trailers.					Vibrations from last quake interfere with P & S.
		7eS	11 55 52					
	N	L	11 58 27					
		1L	12 02 00	15				
		M	12 03 10	15	61			
		F	Merged into next quake.					
2711.	4th	e	12 59 52					After shock reported from Costa Rica.
		e	13 00 22					
	W	L	Sinusoidal from 13 02 30 to 13 06 43	12		13		
		F	Merged into next quake.					
		L	13 00 37					Small amplitude.
	N	L	13 04 15					
		F	Merged into next quake.					
2712	4th.	L	13 58 23					Irregular waves, small amplitude.
			Sinusoidal to 14 00 45	15		6		
			again					
	W	L	14 13 08 to 14 16 00	15		6		
		F	Micros.					
		L	14 00 23					Irregular waves, small amplitude.
	N	F	Lost, off paper at 14h 16m					
2713.	4th	e	17 29 45					
		eL	17 32 30					
	W	L	17 33 23	15				
			Sinusoidal to 17 35 36			5		
		F	Micros.					
		e	17 34 30					
		L	17 36 10					
	N		Sinusoidal to 17 37 15	15	2			
		F	Micros.					

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					N	E	Z			
			h. m. s.	s.	μ	μ	μ			
March, continued.										
2714.	5th. W	e?	4 46 11						Continuous small waves preceded by micros before 4h 46m.	
		e	4 46 38	8						
		eS	4 53 17	10						
		SR	4 58 45							
		eL	5 04 15							
		L	5 05 38				3			
		L	5 06 08	12						
	F	Micros.								
	N	eP?	4 46 38							
		iS	4 53 19							
		L	5 00 20	15				4980 Micros before 4h 46m.		
		L	5 04 38	Irregular						
		L	5 06 08	8						
		i	5 06 25	10		3				
F		Micros.								
2715.	5th W	e?	12 19 27							
		i	12 21 45							
		L	12 24 15	23 to 15						
				Uniform L to						
				12 27 34						
	F	Micros.								
	N	e	12 18 45							
		L	12 26 23							
		L	12 26 37			3				
		L	12 34 30	8						
				Minute waves to						
	F	12 36 30								
			12 50 15							
2716.	5th W	L	13 05 38	23						
				Sinusoidal small waves from						
		L	13 06 23	to						
				13 08 22	15		5			
				and again						
				13 22 19 to						
			13 24							
	F	Micros.								
	N	S? or L	13 06 25 to	6						
				13 07 30	to 8					
		L	13 08 20					Minute waves preceding, and micros.		
		e	13 14 10	8						
		L	13 17 23							
				Small sinusoidal waves from						
L		13 22 08 to								
		13 23 52	9							
F	Micros.									

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					<small>N</small> <small>μ</small>	<small>E</small> <small>μ</small>	<small>Z</small> <small>μ</small>	
	March continued.							
2717.	6th	L	7 10 28 15 to					Slow waves
	W	L	7 10 38					
		L	10 38 30 to					10
		F	10 49 45	30				
		F	10 58					
		L	10 17 00					Slow waves.
		L	10 18 00					
	N	L	10 20 30					
		L	10 34 17	23	6			
		F	10 54					
2718.	6th	e	12 38 23					Small amplitude
	W	F	12 54 00					
	N-S component barely effected.							
2719.	7th.	L	8 17 30					Slow waves.
	W	F	8 52					
	N-S component little effected.							
2720.	7th.	L	18 27 15	15		6		High west wind effected boom.
	W	L	Uniform waves to 18 29 15					
		L	18 27 52	erratic 4				
	N	i	18 37 15					
		F	18 53					
2721.	8th	L	9 38 15					May not be seismic.
	W		Slow uniform waves to 10 14					
	N-S component not effected.							
2722.	9th		Slow waves from					May not be seismic.
	W		9 34 23	30				
			to 11 01 30					
	N-S component little effected.							

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NO.	DATE	PHASE	TIME h. m. s.	PERIOD s.	Amplitude			DISTANCE
					N μ	E μ	Z μ	
March continued.								
2723.	10th	i	18 15 49					Small amplitude
	N	L	18 27 35					
		F	Micros.					
E-W component effected by high wind.								
2724.	11th	P	Masked by micros and wind.					P poorly defined 4280
		i	10 49 17					
		e	10 52 38					
	W	eS	10 53 08					
		e	10 55 23	10				
		i	10 56 02	15		33		
		iL	10 58 56	19		73		
		M	11 00 43	13		106		
		F	Micros and wind.					
		P?	10 47 05					
		i	10 52 23					
	N	S	10 53 08	Irregular.				
		L	10 56 15					
		iL	10 58 32	11				
		L	10 59 09	23				
		iL	11 00	11				
		M1	11 01 20	12	26			
		M2	11 04 08	15	26			
		F	13 38					
2725	11th	L	16 42 05 to					Uniform waves, small amplitude
	W		16 44	15				
Boom effected by wind and micros.								
		L	16 42 08					Small amplitude
	N	L	16 46 15					
		F?	16 54					
2726.	11th	L	20 00 23	15				N-S component little effected.
	W	L	20 01 15	11		4		
		F	Micros.					
2727.	11th	e	20 48 38					Sinusoidal to
		i	20 48 58					
	W	L	20 50 34	30				
		L	20 52 00	19				
		M	20 53 00	19		29		
		L	20 54 22	10				
		F	Micros.					
		L	20 49 15					
	N	L	20 53 33	15	5			
		i	20 57 30					
		F	21 01 40					
			21 16					

TORONTO

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME <small>h. m. s.</small>	PERIOD <small>s.</small>	Amplitude			DISTANCE					
					<small>N</small> <small>μ</small>	<small>E</small> <small>μ</small>	<small>Z</small> <small>μ</small>						
March continued.													
2728.	11th	L	23 04 15	15	14	4							
		1L	23 06 15										
		e	23 17 25										
	11th	F	Micros.										
		L	23 02 41										
		L	23 10 53										
2729.	12th	H	to 23 12 15	12	12			Marked micros going on.					
		L	23 13 45										
		F	23 24										
	12th	L	3 05 00						15	6			
		L	3 08 00										
		F	3 10 45										
12th	eL	3 05 34	15	6									
	e	3 08 41											
	L	3 09 00											
	H	3 14											
	M	3 11 34											
	F	3 28 00											
2730.	12th	e	14 18 45	15	6			Micros and heavy winds mask phases.					
		i	14 20 22										
		H	14 08 15										
	12th	L	14 18 07						15	6			
		L	14 19 53										
		F	14 30										
2731.	13th	L	11 14 23	15	6			Small amplitude					
		L?	11 17 08										
		F	Micros.										
	13th	L?	11 14 53						15	6			Small
		L	11 21 15										
		F	Micros.										

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME h. m. s.	PERIOD s.	Amplitude			DISTANCE		
					^A _N μ	^A _E μ	^A _Z μ			
March continued.										
2732.	14th	L	3 00 08					Wind effect interfere with early phases. Slow waves. 6940		
		L	3 02 10							
		L	3 08 32							
		W	Uniform to 3 09 30 Micros.	15		3				
		F								
			P?	2 42 53						
			S	2 51 19						
		N	L	3 00 30						
	L		3 06 15							
	L		3 11 38	15		2				
		F	Micros.							
2733.	15th	eP	10 53 33					Marked micros precede P. 5000 km.		
		iP	10 53 45	12						
		eS	11 00 15							
		W	L	11 08 26	23					
		L	11 17 15	19						
		M	11 17 30) 39)	19		44				
		L	11 34 08	15						
		F	Micros.							
				iP	10 53 30					
				i	10 53 37	9				
		N	S	11 00 15						
			eL	11 08 09						
			L	11 14 00	23					
			L	11 17 45	15					
			M	11 18 00		18		5050		
			L	11 24 53	15					
			L	11 30 05	Irregular					
			F	13 14						
2734	16th	eS	1 37 35				Micros mask P			
		W	L	1 42 10						
			?iL	1 45 00						
			L	1 45 30	12			4		
			F	Wind effect and micros.						
		N	iP	1 31 27				Small micros before P. 4340 km.		
	eS		1 37 30							
	iS		1 37 32							
	L		1 41 34							
	L		1 46 32							
		L	1 48 00	15		5				
		F	Micros.							

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LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME <small>h. m. s.</small>	PERIOD <small>s.</small>	Amplitude			DISTANCE
					\hat{N} <small>μ</small>	\hat{E} <small>μ</small>	\hat{Z} <small>μ</small>	
2735.	March continued. 16th	L	? 10 51 00					
	W	F	Wind and micros.					
	N	L	? 10 51 00					
		F	Micros.					
2736.	20th	L	10 12 15					
			Sinusoidal from					
		W	L	10 14 15	23			
				to	to			
				10 17 10	15		10	
			F	? 10 38				
	N	L	10 12 10					
		1L	10 17 34					
		L	10 19 17 to					
			10 20 10	15	5			
	F		10 36 00					
2737	22nd.	L	13 09 08 to	15		5		
		W	13 10 00					
	N	F	Merged into next quake.					
		eL	13 09 08	15	4			
		L	13 10 40					
	F		Merged into next quake.					
2738.	22nd.	PeS	13 20 12	8 to 15				
		iS	13 20 15					
		i	13 24 10					
		eL	13 24 53	26				
		L	13 26 00	15				
		M	13 26 24	15		19		
	N	F	? 13 46 00					
		i	? 13 13 27					
		i or S	13 20 10					
		i	13 20 13					
		i	13 20 15	8				
		L	13 24 45					
			Sinusoidal to					
		L	13 28 00					
		M	13 26 53	15				
			to 13 27 08					
		F	13 48 00		11			

P possibly in micros.

Micros render early phases doubtful.

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					^A _N	^A _E	^A _Z	
			h. m. s.	s.	μ	μ	μ	
	March (continued)							
2739.	24th	L	11 55 30					
	W	L	11 58 38	15		5		
		F	12 00 34					
		L	12 20					
	N	L	11 58 45					Very small amplitude.
		L	12 00 08					
		F	12 22					
2740.	24th	L	20 10 53					Extremely small.
	N	F	20 18 00					
		E-W component, wind masked phases.						
2741.	24th	e	20 37 21					
		eS	20 42 10)					
			15)					
	W	e	20 43 45					
		SR1	20 44 13	10				
		eL	20 47 08	25				
		L	20 47 30	15				
		M	20 48 47	15		45		
		F?	22 30					
		i	20 37 15	6				
	N	eS	20 42 15)					
		iS	20 42 20)					
		SR	20 44 35					S poorly defined
		L	20 47 41	15				
		M	20 51 04	17	9			
		F	22 10					
2742.	25th	L	12 42 22					
	W	F	13 02 00					Small amplitude.
		N-S component barely effected.						
2743.	25th	iPR	14 15 00					True P not recorded.
		S	14 19 45					
	W	iSR	14 21 19					
		L	14 24 04					
		L	14 25 40	17				
		M	14 26 32	15		43		
		F	Paper off 15h 12m.					
		iP	14 13 45					
		iPR	14 14 55)					
			15 02)					
	N	eS	14 19 45					
		L	14 25 00					
		(continued on next sheet)						

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE	
					^A _N	^A _E	^A _Z		
			h m s	s	μ	μ	μ		
	March	(continued)							
2743(continued)		L	14 26 08	Irregular.					
	H	L	14 30 00	15					
		M1	14 30 11		21			4220	
		M2	14 30 25	15					
		F	Vibrations when paper was changed					at 15h 12m.	
2744.	25th	L	15 38 00	15				Paper being	
		L	15 51 00					changed during	
	W	L	16 00 23					early phases.	
		F	?16 48						
		L	15 43 24	15	5			Paper being	
	H	F	16 40					changed during	
								early phases	
2745.	26th	L	1 17 33					Small amplitude.	
	W	F	1 30						
		N-S component not effected.							
2746.	26th	eP	20 30 50)						
		P	20 31 00)						
		e	20 36 45						
		eS	20 37 08						
		L	20 43 45					P & S poorly	
	W	L	20 50 37					defined.	
		L	Uniform waves from						
		L	20 58 15	23		13			
			to	to					
			21 19 30	15					
		F	22 30						
		e	?20 36 53						
		L	20 54 08						
	H	L	20 58 00	23					
		L	21 00 53	20	6				
		F	21 48						
2747.	27th	1P	? 8 38 32					Small micros	
		i	8 45 00					make	
		e	8 45 25)					P doubtful.	
	W	i	8 45 43)	10					
		L	8 47 15						
		L	Uniform waves from						
		L	8 48 43	15		6			
			to 8 52 45						
		F	9 14 00						
		e	8 45 30						
	N	L	8 49 15	15					
		L	8 52 03	19	9				
		F	9 16						

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LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milre-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					N	E	Z	
			h. m. s.	s.	μ	μ	μ	
March continued.								
2748.	28th	L	5 12 00					
		L	5 15 37					
	W	5 19 00	15		6		Micros.	
	F	Micros.						
	H	L	5 17 45	15	4			Marked micros.
		F	? 5 30 00					
2749	30th	P	Masked by wind effect.					
		eS	0 21 20)					
				23)				
	W	iL	0 24 24					
		L	0 26 38					
		M1	0 27 35					
		M2	0 27 51	16		66		
		F	Wind effecting boom.					
		P	Masked by micros.					
	N	eS	0 21 21					
		iS	0 21 26					
		eL	0 24 30					
		iL	0 27 17					
			M1	0 27 38				
		M2	0 27 53	15		88		
		M3	0 29 12	8		44		
		iL	0 35 09	10				
	i	0 39 23	8					
	P	2 00 00						
2750.	30th	e	12 28 50					
		L	12 30 50 to					
	W	12 31 52	12		2			
		F	Micros.					
	H	L	12 28 38	15to				
		F	to 12 29 52	12	3			
		F	Micros.					

James Young,
Seismologist.

TORONTO

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME h. m. s.	PERIOD s.	Amplitude			DISTANCE
					μ N	μ E	μ Z	
2751.	April. 3rd.	e?	23 57 32)					4660 km. Preliminaries not well defined. Very small amp.
			38)					
		eP	23 59 08					
		eS	0 05 32					
		W	L	0 10 15				
			L	0 11 15				
		F	0 22					
		e	23 59 28					
		eS	0 05 23					
		N	eL	0 11 15				
			L	0 11 34 to	15	4		
			F	0 23 00				
2752.	4th	L	0 57 00				Small, may not be seismic.	
		W	F	1 02				
		e	0 57 27					
		N	F	0 59				
2753.	6th	e	21 49 30				N-S component not effected.	
		eL	21 56 53					
		W	Sinusoidal	22 06 00	19			
			to	to				
		L	22 13	15	6			
		F	?					
2754.	8th	e	9 56 10				Micros mask early phases.	
		L	9 59 23					
		W	L	10 01 08				
			L	10 02 21 to	15	4		
			F	10 03 15				
			10 10					
		N	e	10 01 15	15	2		
		L	10 02 15					
		F	Micros.					

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE	
					^A _N	E	^A _Z		
			h. m. s.	s.	μ	μ	μ		
2755.	April 11th W	L	14 12 38					Boom disturbed by high wind.	
		F	?						
N-S component not effected.									
2756.	12th W	L	10 41 20					P & S masked by micros. Remarkable for the long, continuous and uniform sinu- soidal waves of long period.	
		Sinusoidal from							
			10 44 38	to					
		L	11 24 38		30		13		
		F	11 27						
2757	13th W	e?	10 02 30						
		L	10 46 38						
		N	L	10 51 21					
			Sinusoidal from						
			11 16 10	to					
		F	11 19 00		30	9			
	11 29								
2758	14th W	e	14 27 30						
		i	15 10 36	8					
		eL	15 16 30)						
		eL	15 16 47)	15		5			
		L	15 36 15						
		F	Micros.						
		N	e	?14 27 30					
			i	15 10 39					
			Small uniform waves from						
				15 12 43	to				
	15 13 32		10	4					
L	15 13 52		10						
F	Micros.								
2758	14th W	L	9 56 23						
		L	10 01 08	15					
		L	10 02			2			
		F	10 46 00						
		N-S component barely effected.							

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					A _N	A _E	A _Z	
					μ	μ	μ	
2759	April 14th	P	16 39 29				11,110 km. P doubtful owing to micros and wind. Possibly a dual quake. Large vibs. continued to 18h 16m	
		i	16 41 28	17				
		i	16 46 38	10				
		S	16 51 14	11				
		1L	16 59 12	38		538		
		L	17 15 52	50				
		i	17 20 23	30		390		
		M1	17 26 30	28		384		
		M2	17 26 58	28		376		
		M3	17 27 23	28		360		
	F	Micros.						
	W	N	i	16 41 24				Possibly a dual eq. Difficult to interpret. Preceded by double swing.
			i	16 46 38	8			
			S	16 51 15	10			
			i	16 58 57				
			i	16 59 15	25		243	
			i	16 59 30			273	
			L	17 15 58				
			M1	17 26 15	30		442	
			M2	17 26 41	30		475	
L			18 01 15	15				
F	21 05							
2760.	15th W	L	12 14 15				Slow waves, small amp.	
		L	12 22 38					
		F	Light off paper.					
		N-S component, not effected.						
2761.	15th W	L	22 20 26				Slow waves, small amp.	
		L	22 28 23					
		F	22 30					
	N	L	22 18 38				Very small.	
		F	22 30					
2762.	16th W	L	12 09 38				Very small.	
		F	12 24 00					
		N-S component, not effected.						
2763.	20th	L	15 12 23				3	
		L	15 30 23	30				
		L	15 34 53					
		F	Micros.					
		N-S component, barely effected.						

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

From..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					A _N	E	A _Z	
			h. m. s.	s.	μ	μ	μ	
	APRIL.							
2764.	21st.	O	20 00 59					P poorly defined
		P	20 07 12					
		1S	20 12 08	8				
		L	20 16 23					
		M	20 24 23	13		22		
		W	P	21 48 00				
			P	20 07 08				
			1S	20 12 04				
			1SR	20 12 52	10			
			1L	20 17 08				
		H	1L	20 17 23				<i>P not well defined 3180 km.</i>
			M	20 18 08)		63?		
				20 18 24)				
			M	20 22 10				
			M	20 24 30		25		
		P	221 56					
2765	24th	L	5 04 45				Slow waves may not be seismic.	
		L	5 15 30					
		L	5 24 38					
		P	5 35 00					
		N-S component, nothing.						
2766.	25th	L	18 46 45				Irregular waves, small amp.	
		L	18 56 23					
		L	19 00 45					
		P	19 54					
	H	O	18 54 23				Irregular waves.	
L		18 55 23						
P		19 24						
2767	28th	L	17 52 15				E-W component, barely effected.	
			17 54 52	23				
		Sinusoidal from						
	L	17 56 to	23	8				
		P	17 59					
		P	18 02					

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

From..... To.....

NO.	DATE	PHASE	TIME <small>h. m. s.</small>	PERIOD <small>s.</small>	Amplitude			DISTANCE
					$\frac{A}{N}$ <small>μ</small>	E <small>μ</small>	$\frac{A}{Z}$ <small>μ</small>	
2768.	April 28th	e	21 22 23	15	5			Very slight marking " " "
		e	21 23 15					
		e	21 26 23					
		e	21 31 26					
		L	21 54 15					
		Sinusoidal						
		L	21 56 30					
	W	F	to 22 11 30	23	5			
		F	? 23 16					
		e	21 22 23					
		e	21 31 52					
		L	21 54 15					
		L	21 54 53					
		sinusoidal to						
H	F	21 59	15	5				
	F	23 16						
	L	9 34 23						
	L	9 35 30						
	Sinusoidal							
	L	9 36 45						
	to							
W	e	9 37 52	15	2				
	e	9 43 30						
	sinusoidal							
	L	9 44 15 to						
	L	9 45 30						
	F	9 48						
H	e	9 30 05	15	3				
	L	9 35 11						
	Sinusoidal from							
	L	9 44 15 to						
	L	9 45 11						
	F	9 52						
2770	29th	O	21 02 15	19	9			6440 km.
		eP	21 12 15					
		eS	21 20 18					
		eL	21 27 09					
		Sinusoidal from						
		L	21 28 10 18 to					
		F	to 21 41 38 22					
	W	F	22 38	15	11		6500 km.	
		eP	21 12 15					
		eS	21 20 15					
		eL	21 28 40					
		Sinusoidal off						
		and on to 23 to						
H	L	21 53 45	15	9				
	F	22 29						

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LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE	
					$\frac{A}{N}$	E	$\frac{A}{Z}$		
			h. m. s.	s.	μ	μ	μ		
2771	April								
	30th	e	4 25 15						
		e	4 29 30						
		e	4 36 13						
		eL	5 03 15	15					
		W	Sinusoidal from					Long continued sinusoidal L waves. May be 2 or 3 quakes.	
			5 07 to			4			
			6 54 45	15		4			
			7 40						
			e	4 27 35					
			eS	4 36 10					
		H	eL	4 52 45					
			L	Sinusoidal from					
				4 53 08	15	4			
			to 6 41 00						
		P	7 40 00						
2772	30th	e	10 16 15						
		eL	10 24 23						
		L	10 24 45	15		2			
		F	10 47						
			N-S component, barely effected.						

James Young,
Seismologist.

TORONTO

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					Δ_N	Δ_E	Δ_Z	
			h. m. s.	s.	μ	μ	μ	
2773.	1924. May 1st.	eL	4 40 28					
	W	L	4 51 13					
		L	Sinusoidal					
			4 52 to					
			4 53 45	15		2		
		F	Micros.					
	N-S component, barely effected.							
2774.	1st.	O	19 54 18					
		eP	20 00 50)					
			53)					
		1S	20 06 00	6				
		1SR	20 06 29)	10				
		W		44)				
			i	20 08 30	15			
			L	20 10 41				
			M	20 16 59	11		56	
			F	Slight wind effect.				
	N	O	19 54 24					
		1P	20 00 53	8 to 4				
		PR	20 05 15					
		S	20 06 00					
		1SR	20 06 30	15	48			
		1L	20 10 23					
		M	20 16 10	14	82			
		F	23 10					
2775	2nd.	L	2 34 23	15		1		
		L	2 52 23					
		W	F	3 09				
	N-S component, not effected.							
2776.	3rd.	e?	12 14 53					
		L	12 33 27					
		W	F?	12 50				
	N-S component not effected.							
2777.	4th	i	17 15 09					
		i	17 16 14					
		W	L	?17 20 15				
	Lines crossing and bunched.							

TORONTO

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					^A _N	^A _E	^A _Z	
			h m s	s	μ	μ	μ	
	May, continued.							
	4th	e	17 14 58					
		is?	17 17 08					
	N	L	17 20 47					
		L	17 36 30	15	6			
		L	17 55 08	10				
		F	19 42					
2778	5th	i	6 21 10					
	W	L	6 28 00	10				Small sinusoidal waves from 6 24 15
		F	6 58 00					
		N-S component, not effected.						
2779	6th	L	3 45 30					
		L	Sinusoidal from 3 54 15 to		15	3		Prolonged small sinusoidal waves at intervals.
	W	L	4 06 23					
		L	4 14 18	15				
		F	4 46					
		L	3 54 45					<i>Very small</i>
	N	L	4 15 08					
		F	4 38 00					
2780	6th	L	6 51 26					
		L	Sinusoidal 6 53 15 to		15	4		
	W	L	7 02					
		F	7 20					
		e	6 53 09					
	N	L	6 56 15		2			
		F	7 00					
2781	6th	e	10 48 30					
		e	10 48 53					
	W	eS	10 57 00					
		L	11 00 15	15		4		
		L	11 02 28	15		6		S poorly defined.
		F	11 34					
		iP	10 48 32					
	N	i	10 48 53					
		is	10 57 02					
		e	10 58 53					
		L	11 00					
		L	11 00 38	Irregular.				
		L	11 02 45	17	4			7020 km.
		F	11 33					

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE	
					[^] N	[^] E	[^] Z		
2782.	6th W	oP?	16 29 01)						
		P?	16 29 03)						
		e	16 37 08						
		e	16 38 38						
		e	16 39 24						
		e	16 45 45	15		9			
		L	16 57 32						
		L	Sinusoidal	30 to					
			17 02 15	38					
			to 17 13 38						
		M	17 09 08						
		L	17 14 38	23			53		
		F	19 08						
		N	oP	16 29 00					
			PR	16 29 41					
			oS?	16 39 21					
			L	16 45 48	15				
			L	17 04 45	38	26			9220 km.
L	17 24 38		17	14					
	F	19 00							
2783	7th W	e	1 33 38						
		L	1 37 08						
		F	2 28				Small.		
	N	e	1 33 38						
		L	1 53 08						
		F	2 28				Very small.		
2784	7th N	L	13 09 11						
		F	13 23 00				Very small.		
E-W component effected by N & NE winds.									
2785.	8th W	L	6 11 38						
		L	6 19 30						
		e	6 23 38						
		L	6 37 09	15		3			
			Sinusoidal						
		6 55 08	15		4				
		to 6 56 52							
	F	8 08							
	N	L	6 11 36						
		L	6 28 38						
		Slightly sinusoidal							
L		6 38 10							
F		to 6 39 00							
	F	7 24							
							Very small.		

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LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE	
					A _N	A _E	A _Z		
					μ	μ	μ		
	May, continued.		h. m. s.	s.					
2786.	10th	i e L	3 15 45 3 19 52 3 51 23	15					
			Slight sinusoidal from						
			3 54 00 to						
	W	L	3 55 58	17					
			again						
		L	3 57 45	<i>at intervals to.</i>					
		L	4 18	15		5			
		F	4 52 00						
		L	3 43 08						
		L	3 51 35						
	N	L	4 05 45					Very small amp.	
		F	4 32						
2787.	11th	e	4 52 28						
	W	e	4 56 45					Very small.	
		F	5 10						
		e	4 56 25					Barely noticeable	
	N	F	5 06						
2788.	11th	L?	7 16 46 08						
	W	L	16 49 41					Small,	
		F	Wind effect.						
			N-S component, barely effected.						
2789.	13th	L	2 38 53						
	W	F	2 47					Very small.	
			N-S component, not effected.						
2790.	13th	e?	19 24 36						
		e	19 48 23					Doubtful as to	
	W	L	19 50 23	23		3		being seismic.	
		F	20 01 00						
		e	19 24 38						
		e	19 38 45						
	N	L	19 42 08					Very small.	
		F	19 59						

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					A N	A E	A Z	
					μ	μ	μ	
	May, continued.		h. m. s.	s.				
2791.	17th	e	4 21 37					
		e	4 39 22					
	W	L	4 41 22	23				
			Sinusoidal from					
		L	4 44 31	23		5		
		L	to 4 55 30					
		F	5 31					
		e	4 36 38					
	N	L	4 50 30					Very small.
		F	5 23					
2792.	17th	e?	5 36 24					
		iP	5 37 25	5				
		e	5 38 44					
	W	S	5 47 27)					
			30)	11				
		eL	5 54 23	15				
		L	6 30 10	19		5		
		F	? 7 56					
		eP	5 37 21	8				
		PR	5 38 45					
		IS	5 47 25	10				
	N	L	5 58 48					
		eL	6 18 45	30				
		L	6 24 00	23	6			
		L	6 38 53	22				
			Sinusoidal from					8880 km.
		L	6 40 to					
			6 43 38	17	4			
			and again					
			6 52 38 to					
		F	6 54 00					
			7 37					
2793.	18th	L	10 18 45					
	N	F	11 12					Very small.
			E-W component effected by wind.					
2794.	21st.	L	1 44 23	15		3		
			sinusoidal to					
			1 45 38					
	W	L	1 46 15	10		3		
		F	2 00					
			Marked sinusoidal waves from					
	N	L	1 46 30	10	2			
			to 1 49					
		F	1 58					

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE	
					μ _N	μ _E	μ _Z		
			h. m. s.	s.	μ	μ	μ		
	May continued.								
2795.	21st.	P	7 10 19 15					3240 km. True P may not have been recorded.	
		S	10 24 15						
		SR	10 26 28	5					
		W	1SR	10 27 17	8				
		I	10 28 08	5					
		L	10 30 23	Irregular					
		L	10 31 00						
			L	10 34 30	15		5		
			F	11 02					
			P	10 18 21					
		H	1P	10 19 14					(3280 (4160 km.
			1S	10 24 17	5				
			I	10 27 25					
			L	10 31 15					
	L		10 34 12	15	4				
		F	10 48						
2796.	22nd.	L	18 13 50	23			Wind interfered with early phases		
		L	18 25 15	23					
		W	L	Sinusoidal from					
			18 26 38						
			to 18 28 35	23		8			
			L	18 32 00	15				
		F	Wind effect.						
		N-S component, very little effected.							
2797.	23rd.	L	2 56 30				Small		
		W	F	3 06					
		N-S component not effected.							
2798.	24th	e	2 52 38				Very small.		
		L	3 11 30	15					
		W	L	3 20 00	23			6	
				Sinusoidal at intervals from				2	
				3 30 00	23				
				to 3 46					
			F	4 40					
	H	L	3 11 35						
L		3 20 00							
F		3 52							

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE	
					^A N	^A E	^A Z		
			h. m. s.	s.	μ	μ	μ		
2799	May, continued.								
	27th	eP	10 18 25						
		PR	10 19 23						
		eS	10 23 27	10				P preceded by micros.	
	W	L	10 25						
		L	10 25 45	23		3			
		L	10 26 30	23		11		3270 km.	
		L	10 30 23	10					
		F	11 16						
		PR	10 19 00						
		iS	10 23 26	5 to 10					
	N	L	Sinusoidal from						
			10 26 38	23	7				
		F	to 10 29 15						
		11 15							
2800.	27th.	L	20 45 08						
	W	L	20 48 30					Slow waves, small amplitude.	
		F	21 06						
N-S component very slightly effected.									
2801.	28th	O	9 51 53						
		eP	10 03 17)						
			10 03 23)						
		W	iS	10 12 39	8		7		8050 km.
			i	10 12 45					
			e	10 14 30					
			e	10 15 38					
			L	slight sinusoidal					
				10 23 to					
				10 23 30	15				
		L	10 28 23	Irregular		3			
		L	10 33 38	17		6			
		F	11 58						
		N	O	9 52 01					
			iP	10 03 22					
			e	10 10 53					P & S well defined.
			iS	10 12 41	8				
	i		10 12 57	10					
	e		10 14 47					7990 km.	
	e		10 15 46						
	L	10 21 23	18						
	L	10 24 12							
	L	10 28 52	15	5					
	F	12 00							
29th, 30th, 31st, Large micros.									

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LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME <small>h. m. s.</small>	PERIOD <small>s.</small>	Amplitude			DISTANCE
					<small>Δ_N</small> <small>μ</small>	<small>Δ_E</small> <small>μ</small>	<small>Δ_Z</small> <small>μ</small>	
May, continued.								
2802.	31st.	L	12 55 47					Very small.
	W	L? F	13 00 38 Heavy micros.					
	H	17 L L L F	13 28 10 13 28 22 13 32 38 13 46 23 Micros.	Irregular, 45				Very small
					J. Young, Seismologist.			

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME h. m. s.	PERIOD s.	Amplitude			DISTANCE
					[^] N μ	[^] E μ	[^] Z μ	
	1924. JUNE.							
2803.	4th W	L	3 04 15					Micros precede L
		F	Micros.					
	N	L	3 05 08					Small sinusoidal waves.
		F	3 06 00 3 16 00	15				
2804.	4th W	e	16 16 08					Preceded by small micros.
		L	16 21 50	15				
		L	16 26 08					
		L	16 28 43) 49)	15		5		
	N	M	16 34 00	12		6		
		F	17 42 00					
		e	16 16 08					
		L?	16 21 23					
		L	16 26 23					
		F	16 33 15 17 36	12	4			Micros going on.
2805.	7th W	L	19 30					Heavy wind interfering.
		L	19 32 43	18				
		L?	19 35 15					
		F	Wind effect.					
	N	e	19 29 35					Very small.
		e	19 36 10					
		L	19 51 38					
		L	19 55 50	Irregular.				
2806.	14th W	e	12 31 20					Small
		L	12 33 38	15				
		F	12 46					
	N	L	12 33 15	15				
		e	12 33 43	12	3			
		F	12 44					
2807.	15th W	L	11 05 15	12				Movement at 11 02 38
		F	11 16					
	N	e	11 02 47					very small
		F	11 16					

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 46' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE	
					^A _S	^A _E	^A _Z		
			h. m. s.	s.	μ	μ	μ		
June (continued)									
2808.	17th	e	21 09 52	21					Small
		L	21 20 00						
		FF	21 46						
N-S component, not marked.									
2809.	18th	e?	17 42 38	5					Preceded by micros.
		e	17 46 08						
		L	17 46 52						
		M	17 49 15						
		M2	17 49 26						
	F	Micros.							
	N	e	17 45 23	5					Sinusoidal to 17 48
		L	17 46 20						
		F	Micros.						
2810	22nd.	L	14 14 08	8				Small sinusoidal waves preceded by micros.	
		L	14 22 19						
		F	Marked micros.						
	N	L	?14 14					Very small.	
		F	Marked micros.						
2811.	22nd.	O	22 29 02	4				4160 km.	
		eP?	22 36 32						
		IS	22 42 28						
		L	22 48 46						
		M	22 50 to						
		F	22 50 23						
	N	eP	22 36 30	6				P preceded by micros. Small amplitude.	
		IS	22 42 30						
		L	22 52 30						
		F	Small micros.						
2812	24th	e	?13 57 38					Small	
		L	14 05 51						
		F	Paper changed at 14h 14 m.						
	N	e	14 03 21	23				Small	
		eL	14 10 10						
		F	Paper changed.						

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Mil e-Shaw Seismographs.

From..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					Δ_N	Δ_E	Δ_Z	
			h. m. s.	s.	μ	μ	μ	
2813.	June (continued)							
	26th	1P	1 56 58	5				Of the order of 14,085 km. Well defined record.
		1	2 00 58	13		54		
		1	2 07 02	10		24		
		1S	2 10 23	107				
	W	1S	2 10 32	10				
		1	2 19 50	28				
		L?	2 24 05					
		M	2 51 35)	22		280		
			40)					
		F	7 02 00					
			1P	1 56 59	6			
			1	2 05 36	11			
			1S	2 10 21	710			
	N		1S	2 10 23	710			
			1	2 12 28	10			
			1	2 19 32	734			
			L	2 24 18				
			1L	2 24 27	23	135		
			M1	2 52 00	25			
		M2	2 52 20	19				
		M3	2 52 38	19				
		M4	2 52 57	19	113			
		F	7 02 00					
2814.	28th	e	23 04 18					Very small.
	W	L	23 05 30					
		F	23 42					
		N-S component, barely noticeable.						
2815.	29th	L?	15 48 23					Very small.
	N	e	15 54 10					
		F	16 04					
		E-W component, record interfered with by N & NW winds.						
2816.	29th	e	17 08 35					Very small.
	N	F	17 28					
		E-W component, winds interfered with record.						
2817.	29th	e	18 54 05					Barely noticeable
	N	e	19 48 45					
		F	-					
		E-W component Winds interfered with record.						

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					\hat{N}	\hat{E}	\hat{Z}	
			h. m. s.	s.	μ	μ	μ	
	June continued.							
2818	30th	e	12 13 08					Very small undulatory
	W	e	12 15 30					
		F	12 46					
	N-S component, nothing recorded.							
2819.	30th	O	15 44 32					8780 km.
		1P	15 56 33					
		1S	16 06 32					
		1	16 07 26	14				
	W	1	16 19 00	15				
		L	16 21 55					
		M	16 30 02)	16				
			15)					
		M2	16 30 22	22		32		
		F	19 30					
		O	15 44 32					8790 km.
		1P	15 56 34					
	N	1S	16 06 34					
		e	16 19 00	15				
		L?	16 27 04					
		M	? 16 29 42	15	18			
		F	19 06					
								James Young, Seismologist.

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 46' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

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FROM..... TO.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE		
					Δ_N	Δ_E	Δ_Z			
			h. m. s.	s.	μ	μ	μ			
2820.	1924. July. 1st. W	e	3 22 15					Slow waves small amp.		
		F	3 25 30							
		N-S component, quiet.								
2821.	1st. W	e	3 34 08							
		e	3 38 30							
		L	3 46 13	15		8				
		M	3 47 46							
		F	4 34							
N		e	3 40 55							
		e	3 45 45	10		4				
		M	3 47 23							
		F	4 14							
2822.	2nd. W	e	18 11 30							
		(18 12 15							
		e	18 16 15							
		S?	18 16 30	10						
		L	18 23 10	12		4				
		M	18 27 58	12						
		F	?19 26							
		N		S?	18 16 30					
				e	18 19 30	8				
				L	18 23 09)	8				
				L	18 23 38)					
				L	18 27 34					
				(sinusoidal to	12	6				
				(18 28 30					
				F	19 16					
2823.	3rd. W	O	4 41 15					P not well marked 9520		
		eP	4 53 54							
		e	5 04 20	12						
		eS	5 04 30	12						
		i	5 05 15	13						
		L	5 24 44							
		L	Sinusoidal at intervals from	15 to						
			5 28 15 to	15 to						
			6 04 53	30						
		M	5 32 18	23		90				
		M	5 43 19	15		50				
		F	8 36							
		N		O	4 41 14					
				iP	4 53 54	6				
				i	4 57 53	6				
iS	5 04 31									
L	5 24 34									
L	5 28 11									
M1	5 37 11			18	28					
M2	5 37 29									
F	7 18									

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TORONTO

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 46' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME <small>h m s</small>	PERIOD <small>s</small>	Amplitude			DISTANCE	
					<small>A_N</small> <small>μ</small>	<small>A_E</small> <small>μ</small>	<small>A_Z</small> <small>μ</small>		
July continued.									
2824.	5th	e	23 00 32					Very small amplitude.	
		L	23 37 38						
		L	Small sinusoidal waves from						
			23 44 08 to						
		W	23 45	15					
			again after						
		F	23 52						
			0 28						
N-S component, barely effected.									
2825.	6th	e	?14 26 12					3840) 3930)	
		iS	14 31 31	11					
		W	i	14 31 33		17			
			iL	14 36 06	15				
			L	14 36 54	29				
			Marked sinusoidal then gradually decreasing.						
			M1	14 37 58					
			M2	14 38 23					
			M3	14 38 45	22				
			M4	14 39 08	23	86			
			M5	14 39 30	22				
			F	Wind effecting boom.					
				O	14 18 39?				
			N	iP	14 25 52	5			
		eS	14 31 30)						
		iS	14 31 35)	11					
		iL	14 36 15						
		M	14 45 06	15	24				
		F	?17 06						
2826.	6th	e	?18 32 10				Marked sinusoidal waves.		
		e	18 55 23						
		W	L	?19 13					
			L	19 18 08	23				
			M	19 21 19	25	20			
			F	20 27					
				i	18 45 05				
			N	i	18 56 10	8			
				L	19 24 38				
				Small sinusoidal waves from					
			19 30 to						
			19 37	22	9				
		F	20 06						

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LATITUDE, 43° 46' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					^A _N	^A _E	^A _Z	
			h. m. s.	s.	μ	μ	μ	
2827.	July, continued. 7th	P	? 3 04 51					6790
		eS	3 13 09					
		W	e	3 13 29				
		L	3 28 56					
		L	3 30 15	30				
		L	3 32 56	23	11			
			F	5 14				
			eS?	3 13 08				P not recorded. S poorly defined
			e	3 13 20				
		N	L	3 28 37				
			F	4 06				
2828	7th	e	9 52 15				Slow waves, Small amplitude	
		W	L	9 56 15				
		F	10 18					
			N-S component, no record,					
2829.	7th.	e	17 40 08				Wind interfered with early move- ments. Small amplitude.	
		W	L	17 51 23				
		L	17 54 10	21				
			F	18 06				
		N	e	17 40 15				Very little effected.
			L	17 54 17				
		F	18 04					
2830	8th	e	11 14 15				Small amplitude	
		W	L	11 18 23				
		F	11 50					
			N-S component, quiet.					
2831.	8th	L	21 44 08				Small sinusoidal waves up to 21h56 30	
		W	L	21 45 19	15			
		F	22 28					
		N	L	21 40 33				Very small amplitude.
			L	21 47 15				
			F	22 02				
2832.	9th	e	?20 56 30				Small	
		W	e	21 00 26				
		L	21 07 30	10				
			F	21 58				
		N	L	21 07 23				Small uniform waves 21 10 05 to 21 11 52
			F	21 30				

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LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME h. m. s.	PERIOD s.	Amplitude			DISTANCE
					μ N	μ E	μ Z	
2833.	July, continued.							
	11th	e	19 58 32					P not recorded marked uniform waves, gradually diminishing.
		eS	20 08 40					
		L	20 28 49	15				
		M	20 50 46	15		72		
		F	0 24					
	N	O	?19 45 39					9610 Marked large L vibs. from 20 49 15 to 20 54 00
		iP	19 58 22					
		iS?	20 08 02	10				
		L?	20 31 00					
		M	20 50 39	18	200			
	2834.	12th	e	15 26 30				Uniform L waves from 16 01 54 to 16 11 30
			eS	15 36 53				
			eL?	15 54 00				
M			16 02 30	18		8		
F			?18 00					
N		i	15 25 45				Small micros going on previous to 15h 25m.	
		i	15 29 28					
		S	15 36 54	8				
		L	16 05 47					
		M	16 08 10	19	10			
2835.		15th	O	0 10 07				330 km. Felt in the Ottawa valley, more strong ly in Renfrew. Felt in Toronto as a slight vibration. Also felt Lake of Bays district.
			P	0 10 54				
			S	0 11 31				
			L	0 11 47				
	F		0 13 45		(Semi amp. 2.5 mm)			
	N	P	0 10 55				S not recorded. (Semi amp. 2.4 mm)	
		L	0 11 45					
		F	0 13 45					
2836.	16th	e	6 19 17				Barely noticeable.	
		F	7 29 00					
						N-S component, quiet.		
2837.	17th	e	?11 56 00				Wind effecting boom	
		L	12 15 30					
		F	-					
						N-S component, not measureable.		
2838.	19th	e	? 3 04 45				Very small.	
		L	3 38 37					
		F	? 3 51					
						N-S component, quiet.		

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					^A _N	^A _E	^A _Z	
			h. m. s.	s.	μ	μ	μ	
	July, continued.							
2839.	20th	e	0 35 00					
		eL	0 37 41					
	W	L	0 40 22					Small amplitude.
		F	0 54					
	N-S component, quiet.							
2840.	20th	e	? 9 55 15					
		L	10 16 32					
	W	L	10 22 08	22				Small amplitude.
		F	11 06					
	N-S component, quiet.							
2841.	21st.	e	1 48 15					
		e	1 52 15					
		eL	1 56 28					
	W	L	2 06 08					Very small amplitudes, waves not well defined
		F	2 12 38					
	N-S component, not measureable.							
2842.	22nd	e	4 12 29					
		iS	4 18 35)					
		iS	4 18 37)					
	W	iS	4 18 39)	11		25		P not recorded.
		i	4 20 08	15				
		i	4 21 52	8				
		iL	4 24 59	10				
		M	4 26 08	15?		24		
		M2	4 27 08	10		20		
		F	5 54					
		O	4 04 13					
		iP	4 12 17					
	N	i	4 18 32					
		iS	4 18 40	8	12			4650
		L	4 26 30					
		M	4 28 12	15	14			
		F	5 10					
2843.	22nd	e	11 06 23					
	W	L	11 11 23					
		F	13 15					
	N-S component, very faint trace.							

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME <small>h m s</small>	PERIOD <small>s</small>	Amplitude			DISTANCE	
					<small>A_N</small> <small>μ</small>	<small>A_E</small> <small>μ</small>	<small>A_Z</small> <small>μ</small>		
July, continued.									
2844.	22nd.	e	14 52 22	17 to 25	5	31		Marked sinusoidal waves, small amplitude.	
		L	15 15 10						
		L	15 18 08						
		W	L						15 22 21
		F	16 50						
	N	e	14 48 53						
		eL	15 25 25						
		L	Sinusoidal from						
			15 32 23						
		F	15 39 to 16 50						
2845.	24th	O	5 02 50	8	5	31		P poorly defined 8650 km.	
		P	5 14 45						
		e	5 17 45						
		W	i						5 18 22
		S	5 24 38						
		eL	5 36 10						
		L	5 54 34						
		M	6 13 23						
		F	8 27						
		N	e						5 17 48
			i						5 18 22
			S						5 24 32
	L		5 36 08						
	eL		5 52 30						
	L		5 54 34						
		M	5 57 52						
		M2	6 14 47)						
			52 55)						
F		7 52							
2846.	25th	L	20 54 08	23	22	8		Very small	
		W	L						21 30 00
	N	L	21 02 53						
		F	21 07						
2847.	29th	W	e	5 41 07	15			Intermittent slow waves, no defined max.	
		L	5 58 12						
		L	6 23 23						
		L	6 36 23						
		F	7 46						
	N	e	5 42 12						
		i	5 44 50						
		L	6 44 15						
		L	6 48 15						
		F	7 20						

Jas. Young.
Seismologist.

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

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FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					μ_N	μ_E	μ_Z	
			h. m. s.	s.	μ	μ	μ	
	August 1924.							
2848	1st	e	? 1 20 15					
		L	1 32 22					
	W	L	1 34 04					Small waves.
		F	? 2 08					
		N-S component, nothing recorded.						
2849.	2nd.	L	18 26 30					
	W	F	18 51					Very small.
		N-S component, nothing recorded.						
2850.	5th	e	1 39 30					
	W	L	1 44 45					
		F	2 01					
		N-S component, quiet.						
2851.	6th	eL	1 18 30	22				
		L	1 20 to	15				
	W		1 25 30					Small sinusoidal waves.
			again from					
		L	1 30 30 to					
			1 38					
		F	2 26					
		N-S component, only slight signs.						
2852.	6th	L	3 36 22					
	W	F	4 16					Very small.
		N-S component, quiet.						
2853.	6th	e	14 46 13					
		e	14 46 45					
	W		15 08 52					Very small.
		e	15 20 08					
		F	15 34 00					Ripples.
		e	14 46 06					
	N	e	15 09					
		F	?15 28					Very small.
2854.	7th	L	13 27 08					
	W	L	13 40 08					Small.
		F	Paper changed.					
		e	13 39 56					
	N	L	13 40 08					Small irregular waves.
		F	14 06					

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME <small>h. m. s.</small>	PERIOD <small>s.</small>	Amplitude			DISTANCE	
					Δ_N <small>μ</small>	Δ_E <small>μ</small>	Δ_Z <small>μ</small>		
August continued.									
2855.	7th	L	16 56 14	15				Small.	
		W	F						17 12
	N	e	16 55 10						
		F	17 10						
2856.	10th	e	6 31 58	15		6		Marked sinu- soidal waves. May be a dual eq.	
		e	6 37 28						
		W	eL						6 41 38
		e	6 56 13						
		L	7 07 00						30
		L	7 16 42						20
		M	7 17 15						
F	8 55								
	N	e	6 41 39					Small sinusoidal waves after 7h.	
		L	?6 47 52						
		L	?7 01 23						
		F	8 50						
2857.	11th	L	2 53 23					Very small waves.	
		W	F						3 43
		N	L						2 58 45
	N	L	3 06 to	10				Small sinusoidal	
		F	3 09						
		F	3 46						
2858.	11th	eL	3 58 05	22				Marked sinusoidal waves of small amp.	
		L	4 12 15						30
		W	F						4 24
		N	L						3 58 30
F	4 22								
2859.	12th	eL	3 58 52	20				May not be seismic. Slight sinusoidal waves.	
		W	L						4 57 44
		L	5 09 38						
		F	5 19						
N-S component, too small to measure.									
2860.	13th	e	10 43 15	15				Small sinusoidal	
		W	L						10 46 22
		L	10 48 45						
		F	11 26						
N-S component, too small to measure.									

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

From..... To.....

NO.	DATE	PHASE	TIME h. m. s.	PERIOD s.	Amplitude			DISTANCE						
					Δ_N μ	Δ_E μ	Δ_Z μ							
August, continued.														
2861.	13th	O	13 29 58	20		16		6770 Marked sinu- soidal waves, gradually decreasing.						
		iP	13 40 43											
		eS	13 49 00)											
		iS	13 49 04)											
		eL	13 55 44											
		M	14 04 45)											
		F	54)											
	Wind interfered.													
	N	P	13 29 41	18	9				S measurement doubtful, cut- off not working freely. Marked L waves.					
		iS	13 49 08											
		i	13 50 34											
		eL	13 55											
		L	14 06 30											
		M	14 10 05											
F		?15 24												
2862.	14th	e	? 0 38 27	15		5	Very faint marking. Marked sinu- soidal L waves well defined.							
		L	0 43 23											
		e	0 53 38											
		i	1 04 30											
		L	1 19 20											
		M	1 20 41											
		F	3 18											
	N	e	?0 57 26	19		7		Barely noticeable.						
		L	0 40 38											
		L	1 18 38											
		M	1 19 33											
		F	2 48											
		2863.	14th						e	18 15 20	22		66	Barely noticeable. Japan.
									e	18 16 10				
iS	18 26 44													
i	18 27 00													
L	18 45 41													
M	18 59 49													
F	22 36													
N	iS		18 26 45	15		36	No cut-off during P phases.							
	i		18 27 03											
	L		?18 46											
	M		19 05 21											
	M2		19 07 05											
	F		22 32											
	2864.		14th					e	23 51 35	22			Marked sinu- soidal waves.	
i		23 51 39												
L		23 58 06												
L		0 14 10												
L		0 20 to												
M		0 46												
F		0 22 12												
W		F	1 50	20		11	N-S component, cut-off not working properly.							

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Mil e-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME h m s	PERIOD s	Amplitude			DISTANCE
					Δ_N μ	Δ_E μ	Δ_Z μ	
August, continued.								
2865	17th W	e	2 09 38					
		i	2 10 08					
		L	2 33					
		L	2 40 to	15 to				
			2 45 45	18				
			and again					
		L	3 02 30 to					
		3 12	15		6		Sinusoidal.	
		F	?4 56					
		N	e	2 09 48				
			e	2 23 30				
			L	2 32 53				
			L	2 49 26	15		4	Marked sinu- soidal after 3h.06m.00s.
			L	3 00 15	15		4	
	F	4 48						
2866	17th W	e	11 48 15					
		L	11 51 30	15			Small sinusoidal waves.	
		F	to 12 06 00					
		F	? ?					
	N-S component, too small to measure.							
2867	21st W	e	16 09 30					
		L	16 14 10				Micros going on.	
		L	17 02 22					
		F	17 16			Small sinusoidal.		
		N	e	16 18 24				
	L		16 20					
	L		17 04 20				Small irregular waves.	
	F		17 24					
2868	21st. W	P	Masked by micros.					
		eS	19 09 43					
		?L	19 22					
		L	19 25 08	20		6	Small sinusoidal	
		F	20 54					
		N	eS	19 09 45				
	iS		19 09 49					
	eL		19 20 52					
	L		Sinusoidal from					
	L		19 27 15	15 to	12			
	F	to 19 33	23					
		F	20 56					

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

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FROM..... TO.....

NO.	DATE	PHASE	TIME h. m. s.	PERIOD s.	Amplitude			DISTANCE
					μ N	μ E	μ Z	
August, continued.								
2869.	22nd.	e	0 58 25					
		L	1 02 08	15				Small
	W		to 1 03 52					
		F	1 08					
		N-S component, too small to measure.						
2870	25th	i?	2 45 34					
		e	3 02 23					
	W	L	3 24 22	20				Micros going on. Small sinusoidal.
		L	3 28 15					
		F	Micros.					
		N-S component, too small to measure.						
2871.	25th	P	? 14 44 06					
		eS?	14 54 26)					
		iS?	14 54 35)					
	W	eL	15 11 20					Micros going on. Small sinusoidal
		L	15 24 08	23		14		
		F	Micros.					
		P	Micros.					
		iS	14 54 36					
	N	L	15 17 26					
		M	15 34 22	17	6			
		F	Micros.					
2872	25th	P	Marked micros.					
		iS	23 26 59					
	W	L	23 40 37					Small irregular waves.
		L	23 42 45					
		M	23 50 22	12		7		
		F	Marked micros.					
		P	? 23 17 52					
		iS	23 27 02					
	N	eL	23 43 04					P preceded by micros, 7810 km.
		M	23 50 30	12	7			
		F	? 1 06					
2873.	27th	L	22 50 30					Slow sinusoidal waves, small amp.
	W	L	22 54	22				
		F	?					
		L	22 52 45					
	N	L	22 57 00	15				Very small.
		F	23 26					
2874.	28th	L	19 08 45					Faint L waves.
	W	F	19 12					
		N-S component, no record.						

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FROM..... To.....

NO.	DATE	PHASE	TIME h. m. s.	PERIOD s.	Amplitude			DISTANCE
					N μ	E μ	Z μ	
August, continued.								
2875.	29th	L	0 47 05					Only slight traces of L waves.
	W	F	1 04					
N-S component, nothing recorded.								
2876.	30th	P?	3 25 24					Small micros before P, very irregular waves up to 3h 58m. 9070 km. Marked uniform L waves from 4 06 to 4 36
		e	3 32 39	11				
		eS	3 35 33	Irregular.				
		i	3 42 22					
	W	eL	3 51 16					
		L	3 58 27					
		M1	4 16	24		29		
		M2	4 21 38	20		21		
		F	6 04					
		O	3 13 07					
		eP	3 25 23					
		e	3 32 43					
		eS	3 35 37	Irregular				
		i	3 35 43					
		L?	3 51 23					
		M1	4 11	30	33			
		M2	4 22	22	34			
		M3	4 26 17	17	20			
		F	?5 54					

James Young,
Seismologist.

Toronto

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME <small>h m s.</small>	PERIOD	Amplitude			DISTANCE <small>km.</small>
					Λ_N <small>μ</small>	Λ_{E} <small>μ</small>	Λ_Z <small>μ</small>	
	1924. September.							
2877.	3rd. W	e	0 03 45	10 8	4			Preceded by small micros.
		e	0 07 43					
		M	0 09 05					
		L	0 11 21					
		F	0 29					
	N	e	0 06 45	10 8	7			Sinusoidal of short periods.
		e	0 08 02					
		i	0 08 56					
		M	0 09 06					
		L	0 10 15					
F	0 30							
2878.	4th W	L	16 22 38	15				Micros going on. Small.
		L	16 24 28					
	F	-						
N	L	16 21 08	15				Small.	
	F	Micros.						
2879.	6th W	L	3 20 38					Faint disturbance.
		F	Small micros.					
		N-S component, nothing.						
2880.	6th W	L	5 15 45					Faint disturbance, micros going on.
		F	Small micros.					
		N-S component, marked micros mask any disturbance.						
2881.	6th. N	L	20 31	23				Small
		L	20 36 30					
		L	20 38 25					
		F	Micros.					
		E-W component, waves masked by high wind.						
2882.	7th. W	e	6 36 52					Very small.
		L	6 39 45					
		F	6 57 15					
		N-S component, too small to measure.						

Toronto

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					μ N	μ E	μ Z	
	September, continued.							
2883.	7th	L	9 12 51	15			Small sinusoidal waves.	
	W	F?	9 50					
		N-S component, quiet.						
2884.	7th.	e	13 42 38				Very small sinusoidal waves.	
		e	13 51 15					
	W	L	13 51 45					
		F?	14 10					
		N-S component, too small to measure.						
2885.	7th	L	19 56 53				Small.	
		Slightly sinusoidal to						
			20 01 38	15				
		i?	?20 08 38	12				
	W	L	20 10 30					
		F	20 28					
		N-S component, too small to measure.						
2886.	8th	L	10 02 15				Very small sinusoidal waves.	
	W	F	10 08					
		N-S component, nothing.						
2887.	9th	L	5 53 08				Small, may not be seismic	
	W	F	6 08					
		N-S component, nothing.						
2888.	9th	L	10 23 15	15			Very small.	
	W	F	10 44					
		N-S component, too small to measure.						
2889.	11th	e	3 58 35				Very small.	
		e	4 03 38					
	W	L	4 04 30					
		F	5 16					
		N-S component, not measureable.						

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME <small>h m s.</small>	PERIOD	Amplitude			DISTANCE <small>h. m. s.</small>	
					Δ_N <small>μ</small>	Δ_E <small>μ</small>	Δ_Z <small>μ</small>		
September, continued.									
2894.	17th	eP	7 09 58	11					
		iP	7 10 08						
		W S	7 14 01						Small but sharp movement.
		L	7 16 15						
		L	7 22 26						Sinusoidal.
		F	7 58						
H		P	7 09 57						
		S?	7 14 00						Small.
		No cut-off.							
2895.	19th	L	7 51 23						
		W L	8 06 08						Small.
		F	78 26						
N-S component, not measurable.									
2896.	24th	e	19 34 05						
		W L	19 35						Slow waves, small amplitude.
		F	19 46						
N-S component, not measurable.									
2897.	25th	e	4 30 52	8					
		W F	4 40						Small sinusoidal.
N-S component, too small to measure.									
2898.	25th.	e	4 57 23	22					
		L	5 00 15						
		W L	5 02 15						Marked small sinusoidal waves lasting long time
		F	6 06						
N-S component, not noticeable.									
2899.	27th.	L	14 14 38						
		L	14 21 10						
		W F	14 32						Very small.
N-S component barely noticeable.									

Toronto

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					A N	A E	A Z	
			h. m. s.		μ	μ	μ	
September, continued.								
2900.	28th	e	13 42 38	17		7		Slight tremors before e, impossible to measure.
		eS	13 47 04					
		eL	13 52 15					
		M	13 56 05					
		F	14 30					
	H	e	13 52 15	Small sinusoidal waves from 13 54 to 13 58 14 00				Not well defined on this component.
2901.	30th	iP	8 56 02		3mm.		460? km. Period too rapid to measure. Quake felt from N. Maine to NB. Ontario	
		iSorL	8 56 53					
		M1	8 57 00					
		M2	8 57 15					
		F	9 02					
	H	iP	8 56 02		2.7mm		470? km. P a rapid, continuous vibs. Small amp.	
		iSor L	8 56 54					
		M	8 57 07					
		F	9 00					

TORONTO

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					μ _N	μ _E	μ _Z	
	OCTOBER.	1924.	h m s	s	μ	μ	μ	
2902.	6th W	L F	22 56 08 23 14					Very small.
			Nothing on N. & S. component.					
2903.	8th. W	e e e L?	20 57 30 21 02 46 21 06 10 21 26					No definition of phases.
			21 33 15	22				
			to 21 51 (sinusoidal)					
				18		9		
		F	22 36 00					
		e e L?	20 58 56 21 06 12 21 19					
	N		Sinusoidal from 21 32 to 22		10			
2904.	10th W	L F	9 44 15 9 50					Faint traces of sinusoidal waves.
			N-S component, off paper, boom interfered with.					
2905.	10th W.	L F	21 46 15 21 58					Very small.
	N	e L	21 46 15 21 49 39	to				Slight sinusoidal waves.
		F	21 51 36 21 58					More noticeable on this component.
2906.	12th W	P? eS L L F	19 44 49 19 53 02 20 05 30) 20 06 00) 21 05					6700?km. Small.
	N	P S L F	Micros. ?19 52 51 20 15 22 21 02					Small, but marked undulatory waves at L on this component only.

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LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					μ	μ	μ	
October, continued. h. m. s.								
2907.	13th	L	13 10 34					Micros mask phases. L slightly sinusoidal.
		W	F	13 56				
	N	L	13 16 30					
		F	?14 00					
2908.	13th	eL	16 41 08				Marked micros going on. Small.	
		i	16 44 08					
		W	i	16 44 15				
		i	16 44 30					
	N	F	17 46					
		e	16 41 05)				Marked micros.	
			16 41 08)					
		L	16 44 15				Small amplitude.	
		F	?17 42					
		2909.	14th.	O	4 59 57			
eP	5 07 06			6				
W	PR1			5 08 14				
iS	5 12 44							
L	?5 14 40)							
	15 00)							
M	5 18 15			18				
N	L		5 24 45	15				
	F		6 20					
	PR1		5 08 15				Marked micros with period of 5 secs. mask P.	
	S		5 12 45)					
	iS		5 12 52)	8				
	L		5 15					
	M		5 16 08	18	15			
F	Micros.							
2910	17th	P?	4 29 15				P & S poorly defined. 3100 km.	
		W	S	?4 34 05				
		L	?4 37 00					
		i	4 42 12					
		M1	4 42 22					
		M	4 42 30	8				
	F	5 58						
	N	P	Minute micros.					
		S	Do.					
		L	4 37 08					
i		4 42 11						
N	M	4 42 22	24					
	F	5 48						

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EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE			
					μ N	μ E	μ Z				
October, continued. h. m. s.											
2911.	18th	e	23 13 29	15	4	4	4	True P not recorded, L difficult to place. S not defined. 4370 km.			
		iS	23 19 25								
		SR1	23 22 30								
		L?	23 27 49								
		Sinusoidal from							23 32 to		
									23 36		
	M	23 32 28	15	4	4						
	F	0 42									
	O					23 05 30					
	iP					23 13 15					
	N	S				23 19 23					
		L				23 26 38					
L		23 31 06									
Sinusoidal to		23 37 23									
F	Small micros.										
2912.	19th	e	15 40 45	8 15	17	17	Small micros make early phases doubtful. Small micros interfere with phases.				
		e	15 46 45								
		?L	15 48 23								
		L	15 51 23								
		M	15 51 50								
		F	16 28								
	N	e	15 48 15	10	5	5					
		L	15 51 15								
		M	15 54 18								
		F	16 26								
		e						0 07 04			
		L						0 08 18			
W	L	0 17 00	22			Small micros mask early phases. L small sinusoidal waves.					
	F	0 44									
	N	L					0 08 10				Very small.
		F					0 42				
2914.	20th	e	5 44 15				Very small.				
		F	Marked micros.								
N-S component, small micros mask movements if any.											
2915.	20th	i	8 58 35				Very small.				
		L	8 59 50								
		F	Micros.								
N-S component, masked by micros.											

TORONTO

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.5" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... TO.....

NO.	DATE	PHASE	TIME <small>h. m. s.</small>	PERIOD <small>s.</small>	Amplitude			DISTANCE
					Δ_N <small>μ</small>	Δ_E <small>μ</small>	Δ_Z <small>μ</small>	
	October	continued.						
2916.	20th	P	masked by large micros.					
		iS	20 12 28					
		W	iS	20 12 32				
		i	20 20 26	15				
		?L?	20 24 38					
		L	20 27 48					
		M	20 32 23	18		17		
			F	Micros.				
		N	P	Masked by micros.				
	iS		20 12 32	6				
	L		20 23 00					
	L		20 28 00					
	M		20 35 47	15	6			
			F	Micros.				
2917.	25th	e	19 20				Very faint trace.	
		W	L	19 24 15				
		F	?20 07					
		N	L	19 24 15				Barely noticeable.
	F		20 08					
2918	27th	L	20 54 30				Faint waves, large micros mask phases.	
		L	20 58 15					
		W	L	21 06 22 (slow waves)				
		F	Micros.					
			e	20 24 53				More marked on this component.
			e	20 28 15				
			L	20 40 23				
			L	21 03 15	23	5		
				to 21 07 45				Uniform slow waves, small amplitude.
				again from				
				21 15 to				
				21 17 30				
			F	22 10				

James Young,
Seismologist.

Toronto

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 43° 40' 0.8" N. LONGITUDE, 5h 17m 35.6s W. HEIGHT, 373 feet above sea level. SUBSOIL, Sand and Clay

Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs. *Period 12 Seconds*

FROM..... To..... *Magnification 150*
Damping 20-1

NO.	DATE	PHASE	TIME h m s	PERIOD	Amplitude			DISTANCE h m s
					A _N μ	A _E μ	A _Z μ	
	1924. November.							
	1st.	eN LN F	1 50 25 ?1 54 00 Micros.					Small. Wind and micros mask EW comp.
	1st.	ePE eSN eSE eLE ME F	5 02 30 5 08 06 5 08 08 5 12 04 5 16 42 Micros.	15	10	10		P & S not well defined eSN at 5h 08m 23s, very slow movement.
	4th	eLN LE LN F	4 14 38 4 16 to 4 21 00 4 28 10 Micros.	15 to 23		7		Sinusoidal.
	5th.	LE F	9 28 26 Micros	15		4		Sinusoidal L.
	13th	PN eSN eE LE LN LE LN M FE	8 42 34 8 59 23 9 01 08 ?9 06 37 9 18 38 9 30 37 9 30 30 to 10 10 45 9 48 11 21 00	19 15		10 9		Micros mask early phases. XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX Sinusoidal.
	16th	eN LN F	23 31 30 23 39 23 Micros, wind	15		4		EW component inter- fered with by heavy winds.
	20th	SN eSE? eE e LN LN L	20 48 39 20 48 43 20 49 23 20 54 31 20 57 55 21 05 09 21 16 00	15 30 15		2 4 4		Micros mask P, S. & F. Sinusoidal.

Toronto

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

From..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					Δ_N	Δ_E	Δ_Z	
	1924. December		h. m. s.		μ	μ	μ	h. m. s.
	continued.							
	13th	LE	1 05 00?					
		LE	1 07 08					Small amplitude.
		eN	1 08 08					
		LN	1 12 00					
		F	Micros.					
	14th	LN	9-34-00					
		LE	9-51-52					
		ME	9-52-26	15?		4		
		LN	9-54	15	7			Irregular waves.
		LN	10-10	10				Sinusoidal
		FN	10-34					Heavy wind s interfere with phases.
	15th.	eE	21-19-15					
		LN	21-40-30?	38				Micros mask phases.
		LE	21-46-23	23?				
		MN	21-44 ?	15	4			
		LE	21-54-15					
		LE	21-56-30					
		F	to 22-08	15		5		Sinusoidal.
		F	Micros.					
	16th	LE	21-08					
		ME	21-09-41	15		6		NS component, masked by micros.
		F	Micros.					
	17th	eN	6-07-38					
		iLE	6-08-26					Early phases masked by micros.
		ME	6-08-54			2		
		M2E	6-09-11		6			Sharp, little vibs. more marked on EW.
		F	Micros.					
	24th	?ePE	?22-22-26					
		eE	22-27-56					
		eS	22-29-30					
		LE	22-36-41					
		eLN	22-37-04					
		LE	22-51-15	22		2		
		F	Wind.					
	26th	eN?	23-36-28					
		LN	23-57-20					
		iLN	0-01-32	15		9		Heavy winds interfere with EW comp.
		LN	0-09-					
		F	?1-10					

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Time: G. M. T. MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw Seismographs.

FROM..... To.....

NO.	DATE	PHASE	TIME	PERIOD	Amplitude			DISTANCE
					^A _N	^A _E	^A _Z	
			h m s.		μ	μ	μ	b m. s.
	1924. December, continued.							
	27th.	O	11-22-02					
		iP	11-34-15					
		S	11-44-25					
		LE	11-56-44					
		LN	11-57-26	15				
		ME	12-08-30	20		15		
		MN	12-09-05	20	8			9000 km. Small micros precede P.
		F	Micros.					
	28th	O	22-54-34					
		eP	23-07-12					
		iSE	23-17-47)					
			23-18-03)					
		iSN	23-18-00)					
			23-18-08					
		LN	23-26-27	19	9			
		LE	23-29-48					
		LN	23-30-30					
		ME	23-42-11	23		54		
		M1N	23-42-15	25	70			
		M2N	23-42-40		70			
		F	Micros.					
	30th	?LE	3-32-	8				
		F	Micros.					Micros mask NS comp. amp. small.
	30th.	eN	13-06-50					
		LE	13-06-53	10		2		
		LN	13-08					
		MN	13-10-26	15	3			More conspicuous on NS component.
		F	?13-34					
	30th	eE	16-40-12	10		2		
		LN	16-44-45					
		F	Micros.					Early phases lost changing papers.

J. Young,
Seismologist.