

SEISMOLOGIC BULLETINS RECEIVED

January

1925



We acknowledge, with thanks, the receipt of the following seismologic publications and bulletins.

STATIONS.	BULLETINS.	RECEIVED.
Halifax.....	Record for Dec. 28, 1924.....	Jan. 2, 1925.
Strasbourg.....	November 1924.....	Jan. 5, 1925.
Georgetown.....	Press Despatches Nov. 1924.....	Jan. 5, 1925.
Georgetown.....	Bulletin Sept. 1924.....	Jan. 5, 1925.
Taihoku.....	Oct. 8. - Nov. 25. 1924.....	Jan. 8, 1925.
Nagasaki.....	November 1924.....	Jan. 9, 1925.
Manila.....	October 1924.....	Jan. 10, 1925.
Tyosi.....	March and April 1924.....	Jan. 10, 1925.
Apia.....	Sept. Oct. Nov. and Dec. 1924.....	Jan. 12, 1925.
Honolulu.....	November 1924.....	Jan. 12, 1925.
Porto Rico.....	November 1924.....	Jan. 12, 1925.
Manila.....	September 1922.....	Jan. 13, 1925.
Perth.....	October and November 1924.....	Jan. 14, 1925.
Georgetown.....	Press Despatches Dec. 1924.....	Jan. 15, 1925.
Georgetown.....	October 1924.....	Jan. 15, 1925.
Strasbourg.....	Monograph re "Alexis Perrey".....	Jan. 15, 1925.
Strasbourg.....	6 copies of Publications.....	Jan. 19, 1925.
Fordham.....	November and December 1924.....	Jan. 19, 1925.
Georgetown.....	November and December 1924.....	Jan. 20, 1925.
Chicago.....	December 1924.....	Jan. 20, 1925.
Georgetown.....	Special Quake Jan. 18, 1925.....	Jan. 20, 1925.
Denver.....	November and December 1924.....	Jan. 20, 1925.
Halifax.....	NS record Jan. 17, 1925.....	Jan. 21, 1925.
Saskatoon.....	Records from June 28, 1924 to January 2, 1925.....	Jan. 21, 1925.
Toledo.....	November 1924.....	Jan. 24, 1925.
Almeria.....	November 1924.....	Jan. 24, 1925.
Malaga.....	November 1924.....	Jan. 24, 1925.
Algeria.....	December 1924.....	Jan. 26, 1925.

DOMINION OBSERVATORY.

OTTAWA, CANADA.

R. Meldrum Stewart,
Director.

Ernest A. Hodgson,
Seismologist.

W. W. Doxsee,
Assistant Seismologist.

OTTAWA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



$\phi = 45^{\circ} 23' 38''$ N. $\lambda = 75^{\circ} 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch.....	I	Photographic	Air	15 mm. per min.	200 g.
Bosch.....	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw.....	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 Kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T_0	Γ	V	ϵ	COMP.	tilt	DETERMINED
I.....	5.3		120	2:1	NS	displ't	May 7 1924.
II.....	6.0		120	15:1	EW	=	" 7 1924.
17.....	12.0		250	20:1	EW	44 mm	Nov 28 1924.
23.....	12.0		250	20:1	NS	44 mm	" 28 1924.
D.....	37.6		.....	13:10	EW		Jan 7 1924.
D.....	36.9		.....	13:10	NS		" 7 1924.
W.....	5.5		160	4:10	Vert		Aug 22 1923.

From Jan. 1. 1925 to Jan. 5. 1925 No. 1

No.	DATE	Phase	Time	Period	AMPLITUDE			DISTANCE
					AE	AN	AZ	
			h m s	s	μ	μ	μ	km.
1949	Jan 3	cL?	(8-52-04)					Small sinusoidal L waves
		cL?	(8-57)					
		cL	9-01					
		L	9-06	24	small	small		
		L	9-08	20	small	small		
		LN	9-15 to 9-20	15		small		
		F	9-45 ca					
1950	Jan 5	O	13-45-35					6480
		iPN	13-55-34					Small L waves Sharply recorded P and S
		iSE	14-03-36					
		cLN	14-14					
		LE	14-16.5	16	small			
		F	14-45 ca					

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From January 5, 1925 to January 15, 1925 No. 2.

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h m s	s	μ	μ	μ	km.
1951	Jan. 5	eN?	(21-55-23)					Period at II may be less than 10s and the true amplitude greater than indicated.
		eL	21-57					
		M _N	21-59-23	(10)		(9)		
		M _E	21-59-26	(10)	(5)			
		L ^E	22-02-38	6	small	small		
		F	lost in No. 1952					
1952	Jan. 5	eLN?	(22-14.3)					Nos. 1951 and 1952 are strikingly alike in appearance as recorded on the Milne-Shaw instruments.
		eL ^E	(22-15-15)					
		M _N	22-16-16	(9)		(11)		
		M _E	22-16-15	(12)	(6)			
		L _N	22-18	6		small		
		M _N	22-20-04	8	5			
		L ^{2E}	22-21	6	small			
		F ^E	22-57					
1953	Jan. 6	eL	13-51.5					Trace only.
		F	14-00 ca					
1954	Jan. 14	e ^E	(10-49.7)					Regular sinusoidal L waves. Some superimposed microseisms. Early phases lost in micros. Better marked on E-W.
		e ^E	(10-55.8)					
		eL	11-04					
		eLN	(11-10)					
		L _N	11-14	30	small			
		L _N	11-16	(30)		small		
		L _N	11-18	24	4			
		L _N	11-19	20		3		
		L _N	11-21	17	4			
		L _N	11-24	17		1		
		L _E	11-28	15	small			
		L _E	11-35	15	small			
				F	12-00 ca			
1955	Jan. 15	eL	8-03					Faint traces. Better marked on EW component.
		F	8-15 ca					
1956	Jan. 15	eL	17-52					Heavy micros.
		L _E	17-58	?				
		L	18-00	20	small	small		
		F	18-08 ca					

E.A.H.
W.W.D.

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From January 15, 1925. to January 26, 1925 No. 3.

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h m s	s	μ	μ	μ	km.
1957	Jan. 18	O	12-06-03					8400 S very sharply defined.
		ePN	12-17-50					
		iSE	12-27-30					
		eL	12-43					
		M ₁ N	12-49	18				
		M ₁ E	12-53-15	18	57	57		
		M ₂ N	12-54	24			64	
		M ₂ E	12-57	15	50			
		M ₃ N	13-00	18			59	
		L _N	13-04.5 to 13-10	15			14	
		M ₃ E	13-30	18	24			
		M ₄ N	13-33	19			18	
		LE	13-34 to 13-43	15	11			
		F	15-40 ca					
1958	" 21	e	18-40				Faint record obscured by Microseisms.	
		eL?	18-45.5					
		F	19-12					
1959	" 23	eL _N ?	(17-45.5)				Micros mask.	
		eLE	17-53					
		L _N	17-56.5					
		LE	18-06	15	small			
		F	18-38					
1960	" 26	eL	6-06				Faint traces only.	
		F	6-40 ca					
1961	" 26	O	19-02-05				4140 Compare iPR ₂ ? with the similar phase on the record of No. 1963. These two records are very 84 much alike in all respects. The repeat P phase does not fit in well for PR ₁ nor for PR ₂ but it is a very definite offset.	
		eP	19-09-33					
		iPR ₂ ?	19-11-03					
		eS	19-15-28					
		SR ₂ ?	19-18-18					
		eL	19-20					
		M _E	19-24-45	15	38			
		M _N	19-26	20				
F	20-50							

E.A.H.
W.W.D.

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From January 26, 1925 to January 29, 1925, No. 4

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h m s	s	μ	μ	μ	km.
1962	Jan. 28	O	4-06-00					8940
		cP	4-18-00					
		c	4-21-08					
		eS	4-28-17					
		c	4-34					
		eL	4-46-40					
		M ₁ E	4-55	18	14			
		M ₂ E	5-00	15	23			
		M _N	5-01.5	15		27		
		L _E	5-09 to					
			5-41	15	5			
		L _N	5-11	15		7		
		L _E	5-42 to					
	6-15	15	small					
	F		7-45 ca					
1963	Jan. 28	O	10-58-27					4060
		eP _{EN}	11-05-50					
		iP _R	11-07-20					
		eS _{2?}	11-11-41					
		eS _N	11-11-47					
		e _E	11-14-00					
		eL	11-16-12					
		M _E	11-20	15	17			
		M _N	11-22	15		21		
		F _N	12-25 ca					
1964	Jan. 28	c _E	14-08.7					
		eL	14-11.5					
		L _E	14-14	15	small			
		L _N	14-16	15		small		
		F _N	14-33 ca					
1965	Jan. 28	e _E	18-36-45					Sinusoidal L waves.
		eL	18-50					
		L _E	18-57	20	small			
		L _N	19-02.5	20		small		
		L _E	19-04	20	small			
		L _N	19-08	15		small		
		F _N	19-25 ca					
1966	Jan. 29	eL	0-43					
		L _N	0-45	12		small		
		L _E	0-46	15	2			
		F _E	0-55 ca					

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W.W.D.

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SEISMOLOGIC STATION, DOMINION OBSERVATORY



From January 29. 1925. to January 31. 1925. No. 5.

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h m s	s	μ	μ	μ	km.
1967	Jan. 30	O	(17-54-18)					(5620) Micros mask the record.
		eP _E ?	17-43-26					
		eS _L ?	(17-50-42)					
		sR ₂ ?	17-55-30					
		eL	17-58-24					
		M _E	18-04	20	35			
		M _{1N}	18-04.5	18		29		
M _{2N}	18-09.5	18		25				
F	19-00							
1968	Jan. 31	eN?	(17-41)					Micros mask sma sinusoidal L waves.
		eL _N	17-46					
		eL _E	17-48					
		L _N	17-54	(18)		small		
		L _H	17-58	15		small		
		F	18-17					

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SEISMOLOGIC BULLETINS RECEIVED

February, 1925

We acknowledge, with thanks, the receipt of the following seismologic publications, records, and bulletins,

STATIONS	BULLETINS	RECEIVED
Firenze.....	1924	Feb. 3, 1925
Strasbourg.....	December, 1924.....	" 3, "
Nagasaki.....	December, 1924.....	" 3, "
Osaka.....	November, December, 1924.....	" 3, "
Domodossola.....	Oct, Nov, Dec, 1924.....	" 3, "
Cartuja.....	October, 1924.....	" 3, "
Halifax.....	Jan. 31, 1925 record.....	" 3, "
Halifax.....	Feb. 2, 1925 record.....	" 7, "
Matsuyama.....	Two months (?).....	" 7, "
Sitka.....	December, 1924.....	" 9, "
Tucson.....	December, 1924.....	" 9, "
Cheltenham.....	December, 1924.....	" 9, "
Honolulu.....	December, 1924.....	" 9, "
Zürich.....	Sammel Bulletin No. 41.....	" 13, "
Oxford.....	July, August, September, 1920	" 13, "
Oxford.....	Period of Earthquakes,.....	" 13, "
Helwan.....	December, 1924.....	" 16, "
Mizusawa.....	Report for 1923.....	" 16, "
Matsuyama.....	One month (?).....	" 16, "
Zi-ka-wei.....	July, 1 to Aug, 24, 1924.....	" 17, "
Melbourne.....	August, November, 1924.....	" 19, "
Perth.....	December, 1924.....	" 23, "
Chicago.....	January, 1925.....	" 23, "
Georgetown.....	Special, Feb. 20, 1925.....	" 23, "
Hamburg.....	Oct. Nov. Dec., 1924.....	" 25, "
Georgetown.....	Press Despatches, Jan., 1925.	" 27, "
Georgetown.....	January, 1925.....	" 27, "
Halifax.....	Record of Feb. 23, 1925.....	" 27, "

DOMINION OBSERVATORY
OTTAWA, CANADA

R. Meldrum Stewart,
Director

Ernest A. Hodgson
Seismologist.

W. W. Doxsee,
Assistant
Seismologist.

SUPPLEMENTARY

NOTICE

A severe earthquake was registered at the Dominion Observatory on the evening of February 28th, 1925. The first preliminary tremors arrived at 9-20-26 p.m., E.S.T., and the distance to the epicentre was 540 Km., or 335 miles. This probably occurred near the mouth of the Saguenay River.

A special bulletin is to be issued.

E.A.H.
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SEISMOLOGIC STATION, DOMINION OBSERVATORY



$\phi = 45^{\circ} 23' 38''$ N. $\lambda = 75^{\circ} 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch.....	I	Photographic	Air	15 mm. per min.	200 g.
Bosch.....	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw.....	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 Kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T_0	τ	v	ϵ	COMP.	1" tilt displ't	DETERMINED
I.....	5.3		120	2:1	NS	=	May 7. 1924.
II.....	6.0		120	15:1	EW	=	May 7. 1924.
17.....	12.0		250	20:1	EW	44. mm	Nov. 28. 1924.
23.....	12.0		250	20:1	NS	44. mm	Nov. 28. 1924.
D.....	37.6		.....	13:10	EW		Jan. 7. 1924.
D.....	36.9		.....	13:10	NS		Jan. 7. 1924.
W.....	5.5		160	4:1	Vert		Aug. 22. 1923.

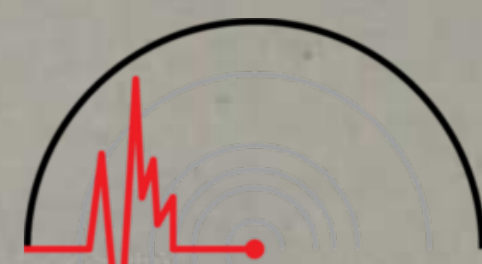
From February 1. 1925 to February 1. 1925: No. 6.

No.	DATE	Phase	Time	Period	AMPLITUDE			DISTANCE
					AE	AN	AZ	
			h m s	s	μ	μ	μ	km.
1969	Feb. 1	O	(5-14-29)					(8860)
		eP?	5-36-35					I difficult to read.
		eS _E	5-46-38					
		cL	6-02	60				
		M _{1N}	6-12	18			12	
		M _{1E}	6-13	20	15			
		M _{2E}	6-18	17	13			
		M _{2N}	6-23	17			13	
		L _N	6-30 to 7-08	15			small	
F	7-50 ca							
1970	Feb. 1	O	(21-03-26)					(4220)
		eP?	21-11-00					
		eP _R _{1E} ?	21-12.4					
		eS	21-17-00					
		cL	21-22.4					
		M _N	21-26.8	12			6	
		M _E	21-26.8	15	10			
F	22-12							

E. A. H.
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February 1. 1925.

February 3. 1925.

7.

From.....to.....No.....

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
1971	Feb. 1.	eS _E ? eL F	22-17-02 22-26-15 22-35	s	Closely resembles No. 1970 but is much fainter.			km.
1972	Feb. 2.	e oL LN LE LN LE F	11-42.6 11-47 12-11 12-12 12-23 12-32 13-12	 20 18 24 16	 small small small	Sinusoidal L waves.		
1973	Feb. 2.	O eP ₁ ? eS _N ? cL? M _{1E} M _{1N} M _{2E} LN LE F	(13-29-28) (13-41-38) (13-51-45) (14-07) (14-17) (14-22.5) (14-23) (14-45) to (15-35) (14-32) to (15-35) (16-30)	 20 20 20 15 15	15 20 23 2	Fine marks failed on Record at time of quake.		(5940)
1974	Feb. 2.	O eP ₂ iS eL M _{1N} M _{1E} M _{2N} M _{2E} M _{3N} L LE LN LE F	19-46-47 19-59-11 20-09-33 20-25 20-32.6 20-36 20-40 20-43 20-47.5 20-50 to 21-40 21-40 to 21-55 21-58.5 23-00 23-59 ca	 22 17 20 15 15 15 22	 24 24 27 16 4 7 small			9230
1975	Feb. 3.	cL LE LN LE LE LN F	3-09.5 3-13 3-14.5 3-21 3-25 3-30	 18 15 15	small small small	Small sinusoidal L waves. only.		
								E.A.H. W.W.D.

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SEISMOLOGIC STATION, DOMINION OBSERVATORY



From February 5, 1925 to February 7, 1925 No. 8

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
					μ	μ	μ	
			h m s	s				km.
1976	Feb. 3	eE	18-57					
		eL	19-26					
		LN	19-28	18		small		
		LE	19-31	20	small			
		LN	19-42	(15)				
		F	20-06					
1977	" 4	eL?	0-06.5				Sinusoidal L waves	
		L	0-15	15	small	small	only.	
		F	0-28 ca					
1978	" 4	e?E	10-35.5					
		e	10-36					
		eN	10-40.5					
		eLE	10-55					
		L	11-03	30	small	small		
		L	11-08 to					
			11-23	20	small	small		
		F	11-43					
1979	" 6	eE?	17-34					
		eN	17-47.4					
		eE	17-48-15					
		eL	18-00					
		L	18-08 to	20	small	small		
			18-16					
		F	18-35					
1980	" 7	eL	12-56		Faint irregular traces.			
		F	13-10 ca					
1981	" 7	eE?	(18-11.6)					
		eN?	18-17.7					
		eE	18-22.2					
		eN	18-47-30					
		eL	19-06					
		LE	19-15.5	20	small			
		LN	19-19	20		small		
		LE	19-24	15				
		LN	19-29.5	15		small		
		F	19-40					

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W.W.D.

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From February 7, 1925 to February 13, 1925 No. 9

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE km.
					A _E μ	A _N μ	A _Z μ	
1982	Feb. 9	eN? e eLE LN F	(6-01) ^s (6-05.6) 6-08 6-14 6-25					
				20	1-	4.5		
1983	" 9	O ePE eS eL M ₁ N M ₁ E M ₂ N M ₂ E LE LN F	14-18-44 14-30-23 14-40-00 Lost in changing sheets. 15-17 15-17 15-20.5 15-23 15-32 15-47.5 17-15				8350 Peculiar inter- ference phenomenon. The M phase has six maxima at intervals of 5min. on the average. On M-S No. 17 only.	
				18 20 17 17 15 15	44 25 7	17 12 3		
1984	" 10	e eLE eLN F	3-34-30 3-40-42 3-45 4-11		Irregular L waves of small amplitude.			
1985	" 10	eN? eL F	(9-18.3) 9-23 9-45		Faint traces only.			
1986	" 10	eL F	11-46 12-06		Faint traces only.			
1987	" 10	eL LE LE F	13-16 13-24 13-29 13-49	15 15	1- 1-			
1988	" 10	eL L F	22-47.7 22-57 23-06 ca	15	1- 1-			
1989	" 12	eL L F	3-42.4 3-55 4-12 ca	15	1- 1-			
1990	" 13	eL? LN F	10-00.2 10-04 10-16	15		2	Micros mask especially the E-W	

E.A.H.
W.W.D.

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SEISMOLOGIC STATION, DOMINION OBSERVATORY



From February 13, 1925 to February 20, 1925 No. 10

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h m s	s	μ	μ	μ	km.
1991	Feb. 13	O?	13-58-44					(7900)
		eP _E ?	14-10-00					
		eE	14-15-04					
		eE	14-16-15					
		eN	14-17-15					
		iSE	14-19-15					
		eL	14-25.8					
		LE	14-46	30	12			
		LN	14-47	24		8		
		LE	14-54	20	5	3.5		
		L	15-02	15	2.3	2		
		LE	15-09	15	4			
		LN	15-52	30				
		LE	15-55	30				
F	16-20							
					} May indicate a second quake.			
1992	" 16	O	17-47-36					3420
		eP	17-59-19					
		iS	18-09-00					
		eE	18-15-41					
		eE	18-20					
		eL?	18-24					
		M ₁ E	18-36	24	12			
		M ₁ N	18-36.5	30		20		
		M	18-40	18	9	13		
		L	18-49	17	4	4		
F	20-16							
1993	" 20	O	1-02-28					8840
		eP	1-14-32					
		iSE	1-24-34					
		SR ₁	1-30-12					
		eE	1-36					
		eL	1-39					
		M ₁	1-49	24	24	24		
		M ₂ N	1-56	18		14		
		LE	1-57 to	20	6			
			2-20					
		LN	2-01 to					
	2-42	20		4				
F	3-56							
1994	" 20	eL	8-54					
		F	9-01					

E.A.H.
W.W.D.

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SEISMOLOGIC STATION, DOMINION OBSERVATORY



February 20th, 1925. February 28th, 1925 11

From to No.

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h m s	s	μ	μ	μ	km.
1995	Feb. 21	eE? eN eL L F	19-26.6 19-49 19-59 20-01 20-55	17	3	1-		Sinusoidal L waves
1996	Feb. 23 24	O iP ePR2 iS SR1E iSR2E eLN M1N M1E M2N M2E F	23-53-38 0-01-46 0-03-42 0-08-12 0-11-00 0-11-42 0-13-23 0-16-45 0-16-45 0-19-49 0-20-28 3-30 ca	17 15 11 15	271 146	265 116		4700 Alaska Well recorded on all three components
	Feb. 23	O P S SR1 eL	23-53-46 0-02-37 0-09-39 0-11-36 0-17 ca					5360
	Feb. 23	O P S eL	23-53-46 23-59-04 0-03-17 0-05-24					2600 Km.
	Feb. 23	M F	0-07-41 1-05 ca					
1997	Feb. 25	iE e eL? F	19-09-28 19-12 19-14 19-21	8	1-	1-		
1998	Feb 25	eE e eL L LN LE FE F	22-31-30 22-39-15 23-00 23-01 23-03 23-11 23-25	30 30 24	2 1-	4		

E.A.H.
W.V.D.

March

1925



We acknowledge with thanks, the receipt of the following seismologic publications and bulletins.

STATIONS	BULLETINS	RECEIVED
Georgetown.....	Special Feb.24, 1925.....	March 3. 1925.
Algiers.....	January 1925.....	March 3. 1925.
Tyosi.....	May, June, 1924.....	March 3. 1925.
Zurich.....	Sammel Bulletin No.42.....	March 3. 1925.
Manila.....	December 1922.....	March 3. 1925.
".....	5 Monographs.....	March 3. 1925.
Fordham.....	January 1925.....	March 6. 1925.
Besancon.....	January to December 1923.....	March 10. 1925.
Denver.....	January and February 1925!.....	March 11. 1925.
Nagasaki.....	January 1925.....	March 11. 1925.
Toledo.....	December 1924.....	March 12. 1925.
Almeria.....	December 1924.....	March 12. 1925.
Malaga.....	December 1924.....	March 12. 1925.
Cartuja.....	Nov. and Dec. 1924. Union Geodesica and Geofisica International.....	March 13. 1925.
Harvard.....	Special for Mar.1.1925. Jan. 7.1925. Sept.13 and Sept.30. 1924.....	March 12. 1925.
Fordham.....	Feb.1925 and Special of Mar.1.	March 14. 1925.
Central Bureau.....	January 1925.....	March 14. 1925.
Strasbourg.....	January 1925.....	March 14. 1925.
Paris.....	January 1925.....	March 14. 1925.
Toronto.....	Special for Mar.1.1925.....	March 14. 1925.
Victoria.....	" " " " "	March 14. 1925.
Tokyo.....	Japanese Journal of Astronomy and Geophysics Vol.II No.4....	March 16. 1925.
Helwan.....	January 1925.....	March 16. 1925.
Osaka.....	January 1925.....	March 16. 1925.
Perth.....	January 1925.....	March 16. 1925.
Taihoku.....	Nov.25 to Dec.31.1924.....	March 16. 1925.
Zikawei.....	Aug.25 to Sep.7.1924.....	March 17. 1925.
St Louis.....	Special for Mar.1.1925.....	March 20. 1925.
New Orleans.....	Special for March 1.1925.....	March 20. 1925.
Spring Hill.....	Jan - Dec.1924.....	March 21. 1925.
do.....	Jan.1925 to Mar.15.1925.....	March 21. 1925.
Zurich.....	Sammel Bulletin No.43.....	March 23. 1925.
Aachen.....	January 1925.....	March 23. 1925.
Kyoto.....	Jan. and Feb. 1925.....	March 23. 1925.
Georgetown.....	February 1925.....	March 25. 1925.
Chicago.....	February 1925.....	March 25. 1925.
Algiers.....	February 1925.....	March 26. 1925.
Helwan.....	February 1925.....	March 27. 1925.
Tokyo.....	January 1925.....	March 30. 1925.
Lemberg.....	Sept.22.1924 to Dec.31 1924...	March 31. 1925.
Innsbruck.....	Nov. 1924 to June.1924.	March 31. 1925.
Wien.....	Nov.1.1924 to Feb.20.1925.....	March 31. 1925.
Zikawei.....	Sep.10 to Oct.10.1924.....	March 31. 1925.

DO OBSERVATORY

OTTAWA, CANADA.

R.Meldrum Stewart,
Director.

Ernest A.Hodgson,
Seismologist.

W.W.Doxsee,
Assistant Seismologist.



OTTAWA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

SPECIAL BULLETIN

From For March 1st, 1925 to No.

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h m s	s	μ	μ	μ	km.
Preliminary readings which may be amended in the March bulletin.								
Ottawa Record								
1999	March 1	O	2-19-20					480
		iP	2-20-26					
		iS	2-21-19					
		iL	2-21-30					
		M	2-21-46					
Saskatoon Record								
		O	2-19-12					2610
		iP	2-24-31					
		iS	2-28-45					
		iL	2-31-30					
		M	2-33-15					
Halifax Record								
		O	2-19-28					590
		iP	2-20-48					
		iS	2-21-53					
		iL	2-22					
		M	2-24					
The foregoing data indicate an epicentre in the vicinity of Baie St Paul, Quebec.								
W.M.D.								

OTTAWA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

$\phi = 45^{\circ} 23' 38''$ N. $\lambda = 75^{\circ} 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch.....	I	Photographic	Air	15 mm. per min.	200 g.
Bosch.....	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw.....	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 Kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T_0	r	v	ϵ	COMP.	1" tilt displ't	DETERMINED
I.....	5.3		120	2:1	NS		May 7, 1924
II.....	6.0		120	16:1	EW	=	May 7, 1924
17.....	12.0		250	20:1	EW	44 mm	Nov. 28, 1924
23.....	12.0		250	20:1	NS	44 mm	Nov. 28, 1924
D.....	37.6		...	13:10	EW		Jan. 7, 1924
D.....	36.9		...	13:10	NS		Jan. 7, 1924
W.....	5.5		160	4:1	Vert.		Aug. 22, 1923

From March 1, 1925 to March 1, 1925 No. 12

No.	DATE	Phase	Time	Period	AMPLITUDE			DISTANCE						
					A _E	A _N	A _Z							
			h m s	s	μ	μ	μ	km.						
1999	Mch. 1	O	2-19-20	4	(3330)			480						
		iP	2-20-26											
		iS	2-21-19											
		iL	2-21-30											
		M	2-21-46											
		F	5-40											
		HALIFAX RECORD.							EW COMPONENT.					590
		O	2-19-28											
		iP	2-20-43											
		iS	2-21-53											
		L	2-22											
		F	3-15											
E. A. H. W. W. D.														

OTTAWA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



From March 1, 1925. to March 7, 1925 No. 13

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h m s	s	μ	μ	μ	km.
Saskatoon Record (EW Component)								
1999	Mar. 1	O	2-19-12					2610
cont'd		iP	2-24-31					
		iS	2-28-45					
		iL	2-31-30					
		M	2-33-15					
		F	Sheets changed during registration.					
N.B. Reports bearing on above earthquake are still being received at this station and when all the material is correlated a complete report will be issued.								
2000	Mar. 1	i	4-30-42					
		F	4-31-19					
2001	Mar. 1	i	6-25-21					
		F	6-25-50					
2002	Mar. 1	i	7-25-10					
		F	7-27-30					
2003	Mar. 1	eL _E	13-21.5	18		1-		
		L	13-34					
		F	13-47					
2004	Mar. 3	eL _N	3-12	20		1-		
		F _N	3-17					
2005	Mar. 5	e	(1-48)	6	3	3		
		eL	1-50					
		L _N	1-51-12					
		L _E	1-51-13					
		F _E	2-01					
2006	Mar. 7	eL	2-32					Local
		F	2-33					
Felt at Pointe au Pic, Quebec.								
2007	Mar. 7	e	3-38	15	1-	1-		
		L _N	3-50.5					
		L _E	3-53					
		F _E	4-07					

E.A.H.
W.W.D.

OTTAWA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

March 7, 1925.

March 16, 1925.

14



From.....to.....No.....

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE			
					A _E	A _N	A _Z				
2008	Mar. 7	e ^E	18-34-16	s	μ	μ	μ	km.			
		e ^E	18-39-52								
		e ^E	18-43-45								
		e ^L	19-02								
		L	19-09						30	5	
		L ^N	19-11						24	4	
		L ^E	19-24						15	1-	
F ^E	20-07										
2009	Mar. 8	e ^L	1-48	20	1-						
		L ^E	2-18								
		F	2-27								
2010	Mar. 9	e	18-58-24								
		e ^L	19-05								
		F	19-27								
2011	Mar. 9	e ^L	23-57	20	Very small sinusoidal L waves						
		F	0-04								
2012	Mar. 14	e ^L	2-43	24	1-						
		L ^N	3-09								
		L ^E	3-10.5						24	1-	
		L ^N	3-13						20	1-	1-
		F	3-47								
2013	Mar. 14	e ^L	10-18								
		F ^N	10-32								
2014	Mar. 15	e ^L ?	6-28-12	15	1-	1-					
		e ^L	6-31-45								
		L ^E	6-35								
		F	6-52								
2015	Mar. 15	e ^L	16-57	22	1-	1-					
		L ^N	17-11								
		L ^N	17-21						20	1-	
		L	17-26						20	1-	
		L ^E	17-37								
		F	17-50								
2016	Mar. 16	e	10-28-24	20	1-	3					
		e ^L	10-38								
		L	10-47						20		
		L ^N	10-50						20	1-	
		L ^E	10-54						15	1-	
		F ^E	11-07								

E.A.H.
W.W.D.



OTTAWA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

March 16, 1925

~~March~~ 20, 1925

15

From to No.

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
2017	Mar. 16	O	(14-53-34)	s	μ	μ	μ	(4320)
		eP _N ?	15-01-15					
		eS _N ?	15-07-20					
		eSR _{1N} ?	15-10-45					
		eL _E	15-15					
		L _E	15-31	60				
		M _E	15-41	17	13	9		
		M _N	15-49	17		17		
		M _E	15-50	15	17			
		L _N	16-09	15				
		L _E	16-16	15				
		F _E	17-26					
2018	Mar. 16	O	(23-36-45)					(5180)
		eF _N ?	23-46-26					
		eS _N ?	(23-54-12)					
	Mar. 17	eL _E	0-03.5					
		L	0-49.5	20	1-	1-		
		L	0-55	17	1-	1-		
		F	1-22					
2019	Mar. 17	e	14-45-20					Local
		F	14-45-42					
2020	Mar. 17	e _N	16-58-41					Local
		e or eL	16-58-49					
		F	16-59-15					
2021	Mar. 18	e _E	13-15-22					Local
		F _E	13-15-35					
2022	Mar. 18	e _E	14-38-15					
		e _N	14-39-20					
		eL _N	14-56					
		L _N	15-06	20				
		L _E	15-07	20	2			
		L _N	15-10	17		2		
		L _E	15-16	17	1-			
		F _E	16-15					
2023	Mar. 19	eL _E	16-51					
		L _N	16-59-24	20		2		
		L _E	17-03	20	1-			
		F _E	17-17					
2024	Mar. 20	eL _E	13-18					
		L _N	13-30	15		1-		
		F _N	13-45					

E. A. H.
W. W. D.



OTTAWA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From March 21, 1925 to March 23, 1925 No. 16

No.	Date	Phase	Time	Period	AMPLITUDE			DISTANCE
					A _E	A _N	A _Z	
			h m s	s	μ	μ	μ	km.
2025	Mar. 21	cL F	9-42.5 9-48					
2026	Mar. 21	cL _E ? L _E F	(11-37.3) 11-42 11-50	15	1-	1-		
2027	Mar. 21	i M _N M _N F	15-22-04 15-22-12 15-22-26 15-24-30	6 6	Felt at Quebec City.			
2028	Mar. 22	0 eP PR _{2E} ? eS _E i _E eL _E L _N M _N M _{1E} M _{2E} L _N L _N L _E L _E L _E F	8-50-34 9-02-16 9-07-45 9-11-56 9-19-40 9-26 9-32 9-44 9-47.5 9-55.5 9-56.5 10-04 10-04 10-43 10-55 Lost in next quake.	(36) 22 24 22 17 15	161 65	65 33 15	8400	
2029	Mar. 22	c _N cL _N M _E M _N F	12-08 12-14 12-17 12-20 13-20	24 15	8	5		
2030	Mar. 22	cL _E L _E L L F	15-00 15-11 15-28 16-03 16-22	20 17 20	2 1- 1-	1. 1- 1-		
2031	Mar. 23	e F	(11-47-19) (11-47-38)		Time marks failed to record at time of quake.			Local

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SEISMOLOGIC STATION, DOMINION OBSERVATORY



From March 23, 1925 to March 31, 1925 No. 17

No.	Date	Phase	Time h m s	Period s	AMPLITUDE			DISTANCE km.
					A _E μ	A _N μ	A _Z μ	
2032	March 23	eLN F	(14-56-45) 14-57 ca		Time service failed at time of quake.			
2033	March 24	eL LN L	13-09-20 13-10-04 13-10-45	8	1-	3		
			to 13-13-30	8	1-	1-		
		F	13-18					
2034	March 26	e? eLN eLE F	10-51 10-57 11-00 12-05	20 20	1-	1-		
2035	March 27	e eL LN F	5-25-45 5-32 5-34 6-00 ca	20		2		
2036	March 27	eL? eLN LN F	21-34-15 21-38 21-40 22-00	15	1-	1-		
2037	March 28	eLE LE FE	0-08 0-15 0-30	20	1-			
2038	March 28	eLE LE F	12-15.4 12-19 12-25	12	1-	1-		
2039	March 29	O iPN iPR _{2N} iS eSR _{1E} ? iSR _{2E} eL ME MN LE LN F	21-12-32 21-19-49 21-21-08 21-25-35 21-27-38 21-28-02 21-30 21-34 21-39 21-43 21-50 23-45	24 13 12 15	71 4	25 4	3980	

E.A.H.
W.W.D.

W. W. Howell

SEISMOLOGIC BULLETINS RECEIVED
April and May, 1925



We acknowledge, with thanks, the receipt of the following seismologic publications and bulletins.

STATIONS	BULLETINS	RECEIVED
Strassbourg.....	February, 1925.....	April 4, 1925
Vera Cruz.....	November, 1924.....	" 4, 1925
Toronto.....	Ser., 1924 and Feb., 1925.....	" 6, 1925
New Orleans.....	January, 1925.....	" 6, 1925
Fordham.....	March, 1925.....	" 7, 1925
Uccle.....	Jul. 7 to Dec. 31, 1924.....	" 8, 1925
Coimbra.....	Special March 1, 1925.....	" 8, 1925
La Paz.....	June - December, 1924.....	" 8, 1925
Victoria.....	Sep. Oct. Nov. Dec., 1924.....	" 11, 1925
Manila.....	November, December, 1924.....	" 11, 1925
Denver.....	March 1-31, 1925.....	" 11, 1925
Aachen.....	February, 1925.....	" 14, 1925
Barcelona.....	May - October, 1924.....	" 20, 1925
Athens.....	Ser. 1924 - Dec., 1924.....	" 20, 1925
Wellington.....	Year, 1921.....	" 20, 1925
Algiers.....	February, March, 1925.....	" 20, 1925
Königsberg.....	Year, 1924.....	" 20, 1925
Chicago.....	March, 1925.....	" 20, 1925
Zi-ka-wei.....	October - December, 1924.....	" 20, 1925
Georgetown.....	Yearly report, 1924.....	" 20, 1925
Strassbourg.....	Year, 1923.....	" 20, 1925
San Fernando.....	Jan. Feb. , 1925.....	" 20, 1925
Domodossola.....	Jan. Feb. Mar., 1925.....	" 25, 1925
Belgrade.....	Series A., 1924.....	" 29, 1925
Belgrade.....	Catalogue, 1908.....	" 29, 1925
Belgrade.....	Series, B., 1924.....	" 29, 1925
Zürich.....	Sammel Bulletin, No. 44.....	" 29, 1925
Helwan.....	March, 1925.....	" 30, 1925
De Bilt.....	Seis. Reg. 1920.....	May 5, 1925
Taihoku.....	Jan. 1 - Feb. 17, 1925.....	" 5, 1925
Strassbourg.....	March, 1925.....	" 5, 1925
Granada.....	Monograph re. Bilarmino Seis.	" 6, 1925
Zürich.....	Sch. Erdbebendeinstes, 1923....	" 6, 1925
La Paz.....	Dec. 1924 - Feb. 1925.....	" 6, 1925
Halifax.....	Records, May 3, 1925.....	" 6, 1925
Toronto.....	January, 1925.....	" 8, 1925
Halifax.....	Records May, 4-5, 1925.....	" 8, 1925
Osaka.....	March, 1925.....	" 9, 1925
Halifax.....	Record II/S May 5, 1925.....	" 9, 1925
Zürich.....	Sammel Bulletin, No. 45.....	" 15, 1925
Batavia.....	June-December, 1924.....	" 23, 1925
Jinsen.....	Jan. 18, 1925 - Apr. 11, 1925	" 23, 1925
Hamburg.....	Jan. Feb. Mar. , 1925.....	" 23, 1925
Toledo.....	Jan. Feb., 1925.....	" 23, 1925
Almeira.....	Jan. Feb., 1925.....	" 23, 1925
Malaga.....	Jan. Feb., 1925.....	" 23, 1925
Alicante.....	Jan. Feb., 1925.....	" 23, 1925
Zi-ka-wei.....	Jan. 3 - Feb. 2, 1925.....	" 26, 1925
Algiers.....	April, 1925.....	" 26, 1925
Cartuja.....	Jan. Feb. Mar., 1925.....	" 27, 1925
Toronto.....	March, 1925.....	" 27, 1925
Mineo.....	Monograph - Guzzante.....	" 28, 1925
De Bilt.....	Seis. Reg. in De Bilt.....	" 28, 1925

DOMINION OBSERVATORY
OTTAWA, CANADA

R. Meldrum Stewart,
Director.

Ernest A. Hodgson
Seismologist.
W. W. Doxsee
Assistant-Seismologist.



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

$\phi = 45^{\circ} 23' 38''$ N. $\lambda = 75^{\circ} 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time Correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch.....	I	Photographic	Air	15 mm. per min.	200 g.
Bosch.....	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw.....	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T ₀	r	v	ε	COMP.	1" tilt	DETERMINED
I.....	5.3		120	2:1	NS	=	May 7, 1924.
II.....	6.0		120	15:1	EW	displ't	May 7, 1924.
17.....	12.0		250	20:1	EW	44 mm	Nov. 28, 1924.
23.....	12.0		250	20:1	NS	44 mm	Nov. 28, 1924.
D.....	37.6		---	13:10	EW		Jan. 7, 1924.
D.....	36.9		---	13:10	NS		Jan. 7, 1924.
W.....	5.5		160	4:1	Vert		Aug. 22, 1923

From April 1, 1925 to April 5, 1925 No. 18

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
2040 Apr. 1	e?E	(17-41-34)	s	μ	μ	μ	km.	
	eS?N	17-47-02						
	eE	17-48-52						
	eL?	17-54-49						
	LE	18-20	19	4				
	LN	18-21	17		2			
	LE	18-23	17	2				
	F	19-30						
2041 Apr. 3	eL?	21-52						
	LE	21-59	(15)	1-				
	LN	22-01	(15)		1-			
	F	22-23 ca						
2042 Apr. 5	e?N	3-30-30						
	eL	3-40.4						
	LN	3-47-20	20		1-			
	LE	3-48	(20)	1-				
	F	4 ca						

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



From April 5th, 1925 to April 11th, 1925 No. 19

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A_E	A_N	A_Z		
		h m s	s	μ	μ	μ	km.	
2043 Apr. 5	e _E	21-26-25						
	e _N	(21-27-00)						
	e _E	21-29-21						
	e _{S?}	21-35-31						
	e	21-44-11						
	e _L	21-52						
	L _N	21-58	20		2			
	L _E	21-59	17	5				
	L _N	22-02.5	15		2			
	L _E	22-06	15	2.5				
F	22-50							
2044 Apr. 7	O	(18-14-15)					(8800)	
	P _N	18-26-17						
	S	(18-36-17)						
	e	18-43-04						
	SR _{2E}	(18-45-38)						
	e _L	18-54						
	L	19-17	20	5	7			
	L	19-30	17	3	3			
L	19-38	15	2	2				
F	20-25							
2045 Apr. 11	O	(10-49-18)					(9100)	
	e _{P_E}	11-01-36						
	i _{PR_{1E}}	11-04-45						
	e _{PR_{2E}}	11-07-10						
	e _{S?}	11-11-52						
	e _{SR₁}	11-17-40						
	e _L	11-29-08						
	M	12-04-26	19	54	53			
	L _E	12-15	17	13				
	L _N	12-20	17		10			
	L _N	12-43	15		4			
	L _E	12-46	15	5				
	L _E	13-18 to						
		13-52	15	1-				
L _N	13-19 to							
	13-57	15		1-				
F	15-35							

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From April 11th, 1925 to April 26th, 1925 No. 20

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2046 Apl.16	O	19-59-46					9100	
	eP	20-12-04						
	eS	20-22-20						
	eSR ₁ E	20-28-16						
	iE	20-32-08						
	eL	20-38-16						
	M _E	20-54-40	21	35				
	M _N	20-57-20	22		40			
	M _E	21-02-20	17	17				
	M _N	21-02-22	20		38			
	LN	21-24 to						
		22-10	17		1-			
	LE	21-37 to						
		21-59	17		1-			
F	23-05 ca							
2047 Apl.19	eN	16-09-30					Traces only	
	iE	16-10-08						
	eE	16-12-30						
	F	16-50 ca						
2048 Apl.19	eLN	21-34						
	eLE	21-37						
	F	21-50						
2049 Apl.22	eN	(23-32)						
	eE	23-39.6						
	eL	23-49						
Apl.23	LE	0-22	20	2				
	LN	0-24	22		1			
	F	1-23						
2050 Apl.25	eE	13-43-04						
	eN	13-47						
	eE	13-48-45						
	eL	13-54-24						
	LN	14-17				1-		
	LE	14-24	20	1-				
	LE	14-31	20	1-				
F	14-51 ca							
2051 Apl.26	eE	8-49-25						
	eN	8-55						
	eLN	9-07-20						
	LE	9-38	30	5				
	LN	9-40	28		4			
	LE	9-43 to						
		10-22	76	3				
	LN	9-45.5 to						
	10-25	17		2				
F	11-20							

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



From April 26th, 1925 to April 30th, 1925 No. 21

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2052 Apr. 26	e or eL F	22-02-44 22-02-50						May not be seismic
2053 Apr. 27	i F	4-10-54 4-11-30						Reported from central United States
2054 Apr. 27	e eLN LN LE L F	19-17-30 19-39-15 19-46 19-47 19-54 20-20	24 24 20	1- 1-	1- 1-			Sinusoidal L waves of small amplitude
2055 Apr. 28	eLE F	2-08 2-15						May not be seismic
2056 Apr. 29	i eL LN LE F	22-45-42 22-46 22-47 22-49 22-55	8 10	1- 1-	1- 1-			
2057 Apr. 30	eE eL? LE LN LE F	11-39-56 12-00 12-09 12-10 12-11 to 12-20 12-42	24 20 17	1- 1- 1-	1- 1-			Small sinusoidal L waves. Better marked on EW component

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$\phi = 45^{\circ} 23' 38''$ N. $\lambda = 75^{\circ} 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time Correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch.....	I	Photographic	Air	15 mm. per min.	200 g.
Bosch.....	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw.....	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T ₀	r	v	ε	COMP.	l" tilt =	DETERMINED
I.....	5.3		120	2:1	NS		May 7, 1924
II.....	6.0		120	15:1	EW	displ't	May 7, 1924
17.....	12.0		250	20:1	EW	44 mm.	Nov. 28, 1924
23.....	12.0		250	20:1	NS	44 mm.	Nov. 28, 1924
D.....	37.6		-	13:10	EW		Jan. 7, 1924
D.....	36.9		-	13:10	NS		Jan. 7, 1924
W.....	5.5		160	4:1	Vert		Aug. 22, 1923

From May 1, 1925 to May 3, 1925 No. 22

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2058 May 1	e [?] N	4-16-25	24		1-			Faint traces on NS component only
	eLN	4-27						
	LN	4-56						
	F	5-20						
2059 May 3	eN	17-41-07	22	22	48			Possibly two quakes. The record is difficult to read. The phases recorded are very definite but do not fit into any scheme for distance.
	iN	17-43-04						
	i	17-44-16						
	eN	17-54-18						
	eE	17-55-45						
	eL	18-00						
	ME	18-30-30						
	MN	18-31-50						
	M	18-34-40						
	MN	18-38						
	LN	19-00						
LE	19-04	15	1-	33	7			
F	20-45							

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SEISMOLOGIC STATION, DOMINION OBSERVATORY



From May 3, 1925 to May 6, 1925 No. 25

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2060 May 3	e _E	23-18-28						Appears to be the record of two earth quakes. Could not be read for 0 or distance.
	e _N	23-18-52						
	e	23-22						
	e _N	23-32-21						
May 4	eL?	23-46						
	L _E	0-10						
	M _N	0-21-30	21		44			
	M _E	0-23	17	38				
	L _N	0-29 to						
		0-59	17		8			
	L _E	0-32	20	11				
	L _N	1-01 to						
		1-24	15		2			
	L _E	1-08	15	1-				
	F _E	3-00						
2061 May 4	e _E	11-55.7					Sinusoidal L.Waves constitute most of the record.	
	e _N	12-02.3						
	eL	12-21						
	L	12-29	20	1-	1-			
	L	12-34 to						
		12-37	17	1	1			
	L _E	12-53	15	1-				
	F _E	13-40 ca						
2062 May 5	O	10-14-24					8900	
	P _N	10-20-32					P phases better marked on NS S and L phases better marked on EW	
	PR ₂	10-32-12						
	e _S	10-36-37						
	e _E	10-43-25						
	eL _E	10-59						
	L _E	11-13-45	26	42				
	L _N	11-17.5	24		20			
	L	11-31	17	5	10			
	L _N	12-25	20		3			
	L _E	13-06	24	3				
	F _E	14-20						
2063 May 5	eL?	16-36-14					Local disturbance sharply defined. May not be seismic	
	F	16-36-34						
2064 May 5	e	23-42-28						
	e	23-43-38						
	e _N	23-53-42						
May 6	eL	0-00-38						
	M	0-34	22	11	14			
	L	1-06	20	4	4			
	F	2-26						
							E.A.H. W.W.D.	

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SEISMOLOGIC STATION, DOMINION OBSERVATORY



From May 6, 1925 to May 13, 1925 No. 24

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2065 May 6	e [?] _N	9-00.6						
	e _E	9-04						
	eL _E	9-08						
	L _N	9-14	15		1-			
	L _E	9-14 to						
	L _E	9-17	17	1-				
	L _E	9-18 to						
	L _E	9-23	15	1-				
	L _N	9-20 to						
F	9-23	15		1-				
F	10-00 ca							
2066 May 7	c _N	(14-59-45)						
	e _E	15-02						
	eL	15-25						
	L _E	15-29	17	1-				
	L _N	15-46	15		1.5			
	L _E	15-50	15	1				
	F	17-08						
2067 May 7	eL	18-18.6						
	L	18-45	20	1-	1-			
	F	19-00 ca						
2068 May 7	eL	20-15.6						
	L _E	20-22	17	1-				
	L _N	20-23	15		1-			
	F	20-47						
2069 May 11	e _E	11-56-28						Sinusoidal L waves of short period and small amplitude.
	eL _E	12-05						
	L	12-09	15	1-	1-			
	L _E	12-17	10	1-				
	L _E	13-10	?	1-	1-			
F	13-40							
2070 May 12	e	19-47-02						
	eL	19-53						
	L _N	19-54	12		1-			
	L _E	19-57-10	12	2				
F	20-40							
2071 May 13	eL	4-45						Small sinusoidal L waves
	L	4-46	20	1-	1-			
	F	5-04						
2072 May 13	eS [?]	8-39-50						
	eL	8-45						
	L _E	8-47	14	1				
	L _N	8-48	20		2			
	F	9-24 ca						

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SEISMOLOGIC STATION, DOMINION OBSERVATORY



From May 13, 1925 to May 19, 1925

No. 25

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2073 May 13	eL F	12-04-42 12-06	3					Short period L wave Distance evidently short
2074 May 14	e eL?N LN LN LN F	(0-39) 0-43 1-01 1-08 1-15 2-03			.1- 2 1-			EW component not operating.
2075 May 15	O iP cPR _{2N} iS _{2N} SR eL _{2E} LN LN F	11-57-07 12-08-19 12-12-47 12-17-28 12-25-30 12-30-14 12-39 12-43 14-00 ca				6 1	7800	
2076 May 16	eLN eL LN LN FE	(3-34) 3-35.5 3-40 3-45 4-00 ca	20 17		1- 1-			
2077 May 16	e? eL LE LN LE LN FN	11-04 11-20 11-34 11-37 11-40 11-45 12-03 ca	20 20 20 20		1- 1- 1- 1-			
2078 May 19	O cP LE cN eS? _E SR _{1?E} SR _{2?E} eL MN MN LE LE LN LN LR _{1E} LE F	(5-27-23) 5-43-24 5-46-34 5-46-45 5-56-40 6-05-10 6-10-00 (6-20) 6-45-45 6-47-30 7-00 7-01 7-15 7-27 8-55	17 15 15 17 20 17		15 17 3 19 7 25		(13640)	
								E.A.H. W.W.D.

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SEISMOLOGIC STATION, DOMINION OBSERVATORY

From May 19, 1925 to May 23, 1925 No. 26

No. and Date	Phase	Time	Period	Amplitude			Distance km.	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ		
2079 May 20	c	11-29					Heavy micros mask early phases.	
	c ^E	11-36-20						
	c ^E	11-45						
	cL	11-57						
	L ^E	12-02	20	2				
	L ^E	12-05	22		2			
	L ^{NN}	12-08	17	2				
	F ^{NN}	12-55 ca						
2080 May 20	cL	23-44.8						
	L	23-53	20	1-	1			
May 21	L	0-14	20	1-				
	F ^E	0-41 ca						
2081 May 21	eL	5-38						
	L	5-44	12	1-	1-			
	F	5-53 ca						
2082 May 21	eL	11-49	7		1-		Better marked on NS component.	
	F	11-51						
2083 May 22	O	9-54-53					5740	
	cP	10-04-08						
	cS	10-11-30						
	cL	10-19-26						
	L ^N	10-30	20		1-			
	L ^E	10-37	24	2				
	L ^{NN}	10-44	17		2.5			
	L ^E	10-51	17	1-				
	F ^E	11-43						
2084 May 23	c	2-33					If the first c be read as P, the second as S we get O= 2-23-2 and Δ = 6080 km. The record hardly warrants that interpretation.	
	e? ^E	2-40-40						
	cL? ^N	2-49.5						
	eL	2-52						
	L ^E	2-56	30					
	M ^{NN}	3-04	19	11				
	M ^{NN}	3-07	19		14			
	L ^E	3-07.5	15	5				
	L ^N	3-12	15		7			
	F ^N	4-45						
2085 May 23	c	21-24-16						
	cL	21-26						
	L ^N	21-28	?		1-			
	L ^E	21-32	(15)	1-				
	F ^E	21-52						

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W.W.D.

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SEISMOLOGIC STATION, DOMINION OBSERVATORY



From May 23, 1925 to May 26, 1925 No. 27

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2086 May 24	o?	(2-15-40)						
	cL _E	2-18.5						
	cL _N	2-21						
	L _E	2-22	24	4				
	L _N	2-25.5	24		2.5			
	L _N	2-30	20		2			
	L _E	2-35						
	L _N	2-38						
F _N	2-58 ca							
2087 May 25	e	4-13-25						Redcorded at Ste. Anne as L waves from 4-34 to 5-10 +
	o?	(4-16-29)						
	cL?	4-20						
	L _N	4-39	30		1-			
	L _E	4-44.5	30	1-				
	L _N	4-47	24		1-			
	L _E	4-49	24	4				
	L _N	4-52	24		3			
	L _N	4-57.5	20		4			
F _N	5-42 ca							
2088 May 25	cL	17-13.5						
	L _E	17-15	24	1-				
	L _N	17-19	20		1-			
	L _N	17-24						
	F	17-35						
2089 May 26	O	(8-23-16)						(2320)
	iP	8-28-04						
	cS	(8-31-54)						
	cL	8-33-24						
	M _E	8-40.5	(15)	(6)				
	M _N	8-42-45	15		8			
F	9-22 ca							
2090 May 26	cL	16-27						
	L	16-30	30	2	1-			
	L	16-39	24	2	1			
	L _N	16-44	24		3			
	L _N	16-49	15		2			
	L _E	16-53	20	1-				
	F	17-05						
								E.A.H. W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



From May 26, 1925 to May 28, 1925 No. 28

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks	
				A _E	A _N	A _Z			
		h m s	s	μ	μ	μ	km.		
2091 May 27	eN	2-35-20							
	eN	2-39-19							
	eN	2-42-38							
	eE	2-46-28							
	eN	2-52-28							
	eL	2-54-34							
	LE	2-57	20	1-					
	LN	3-03	24		3				
	LN	3-20	20		1-				
	LN	3-24	24		1-				
F	3-52								
2092 May 27	e?E	21-17							
	eLE	21-27.5							
	LN	21-32	17		1-				
	LE	21-31.5	20	1-					
	LN	21-37	17		3				
	F	22-16							
	Ste. Anne de la Pocatière.								
	eL	21-36							
	L	21-43							
	F	21-51							
2093 May 28	eN	6-14-36						Appears to be the records of several earthquakes combined.	
	e	6-18-00							
	eE	6-23-26							
	eN	6-24-16							
	L	6-37							
	LN	7-08	20		1-				
	LE	7-15	17	2					
	L	7-17	17	7	6				
	LN	7-29	15		3				
	F	8-50							
	Ste. Anne de la Pocatière.								
	i	6-20-40							Ste. Anne seismograph records NE-SW component.
	e	6-30							
	i	6-38-10							
	eL	6-50							
2094 May 28	eL	17-27-22							
	MN	17-28-06	10		3				
	LE	17-30-20	10	2					
	F	17-39							

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SEISMOLOGIC STATION, DOMINION OBSERVATORY

From May 28, 1925 to May 31, 1925 No. 29

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2095 May 29	o?	17-35-20					Sinusoidal L waves of small amplitude	
	o?N	17-35-38						
	oLE	17-39						
	LE	17-45	20		2			
	LN	17-45	22	1				
	F	18-16						
2096 May 31	oLE	3-57					Sinusoidal L waves of very small ampli- tude. Barely visible.	
	LN	4-00	?		1-			
	F	4-03						
2097 May 31	oLN	15-05-40					L waves only. Appears to be local.	
	LN	15-06-12	10		1-			
	LE	15-07-40	12	1-				
	F	15-12						

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W.W.D.

OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY



SEISMOLOGIC BULLETINS RECEIVED

June, 1925.

*

We acknowledge, with thanks, the receipt of the following seismologic publications and bulletins.

STATIONS	BULLETINS	RECEIVED
Eskdalemuir.....	August 1924-March 1925.....	June 1, 1925
Nagasaki.....	March-April, 1925.....	" 2, 1925
Zi-ka-wei.....	Notes de Seismologie, No. 6....	" 4, 1925
Strasbourg.....	Catalogue General, 1908.....	" 5, 1925
Fordham.....	April-May, 1925.....	" 8, 1925
Zurich.....	Samml Bulletin No. 46.....	" 8, 1925
Firenze.....	Jan. Feb. Mar. April, 1925.....	" 10, 1925
Strasbourg.....	April, 1925.....	" 10, 1925
Cheltenham.....	Jan. Feb. 1925.....	" 12, 1925
Tucson.....	Jan. Feb. 1925.....	" 12, 1925
Sitka.....	Jan. Feb. 1925.....	" 12, 1925
Honolulu.....	Jan. Feb. 1925.....	" 12, 1925
Denver.....	May, 1925.....	" 15, 1925
Georgetown.....	March, 1925.....	" 15, 1925
Georgetown.....	Despatches Feb. Mar. Apr. 1925	" 15, 1925
Victoria.....	Jan. Feb. Mar. 1925.....	" 17, 1925
Stoneyhurst.....	Jan. Feb. Mar. 1925.....	" 18, 1925
Ekaterinburg.....	Jan. Feb. 1924.....	" 19, 1925
Pulkova.....	February, 1924.....	" 19, 1925
Baku.....	March, 1924.....	" 19, 1925
Irkutsk.....	Dec. 1923- June, 1924.....	" 19, 1925
Oxford.....	Summary Jan. Feb. Mar. 1921....	" 22, 1925
Zi-ka-wei.....	February, 1925.....	" 24, 1925
Algiers.....	May, 1925.....	" 27, 1925
Zagreb.....	March-April, 1925.....	" 27, 1925
Bergen.....	Report 1921-1923.....	" 27, 1925
Moncaleri.....	Report 1923.....	" 27, 1925
Aachen.....	March-April.....	" 29, 1925
Hydrog. Dept. Tokyo	Monograph-Soundings-Tokyo	
	Earthquake.....	" 29, 1925

DOMINION OBSERVATORY
 OTTAWA-CANADA.

R. Meldrum Stewart,
 Director.

Ernest A. Hodgson,
 Seismologist,
 W. W. Doxsee,
 Assistant Seismologist.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

$\phi = 45^{\circ} 23' 38''$ N. $\lambda = 75^{\circ} 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time Correction: within .25s.



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Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T ₀	r	v	ε	COMP.	DETERMINED
I.....						
II.....						
17.....						
23.....						
D.....						
D.....						
W.....						

From..... to..... No.....

No. and Date	Phase	Time			Amplitude			Distance	Remarks
					A _E	A _N	A _Z		
		h	m	s	μ	μ	μ			km.

N O T I C E

Acknowledgement cards will be sent out in the envelopes with the bulletins for July, August, and September, each year. It is requested that at least one of the cards be returned each year, preferably together with the bulletins from your station. In case no card is returned by December, it will be assumed that the bulletins are no longer of use to your station and the corresponding address plate will be removed from the mailing list.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

June 2, 1925

June 6, 1925

31

From to No.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
2101 June 3	e	4-53-18	s	μ	μ	μ	km.	After many attempts had been made all schemes to connect these offsets in a related series were abandoned. There seems to be evidence in favour of two records, one from a distance of 3500 km, the other from 12000 km.
	eE	4-55-18						
	eN	4-55-28						
	e	4-56-24						
	e	5-00-30						
	eN	5-05-40						
	eE	5-07-00						
	eLN	5-12-12						
	eLE	5-13						
	LE	5-34	38	25				
	LN	5-39	26		27			
	MN	5-46	24		24			
	ME	5-46.6	22	17				
	LE	6-12	17	5				
LN	6-42	22		5				
F	7-43 ca							
2102 June 4	O	(1-16-55)					(2590)	The phase ePE? is very faintly marked. No. 2102 closely resembles 2103 P would be expected earlier, if the two have the same epicentre
	ePE?	1-22-12						
	eS	1-26-24						
	eL	1-30.5						
	MN	1-35	10		2			
	ME	1-37	9	3				
	LN	1-38	8					
F	2-32							
2103 June 4	O	12-03-03					3850	
	ePE	12-10-10						
	ePR ₂ E	12-11-32						
	eS	12-15-49						
	eL	12-20						
	MN	12-25	12		8			
	ME	12-25	15	10				
	LN	12-26.5	8		1-			
	LE	12-28	8	1-				
F	13-25							
2104 June 6	e	21-07-43						
	eL	21-20						
	LE	21-24	20	1-				
	LN	21-26	22		1-			
	F	21-46						

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From June 6, 1925 to June 10, 1925 No. 39

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2105 June 7	O	23-41-35					4370	
	iPN	23-49-20						
	iN	23-49-53						
	PR ₁ N	23-50-48						
	PR ₂ E	23-51-02						
	iS	23-55-28						
	SR ₂ E	23-58-34						
	eL	0-00						
	LE	0-01	17	16				
	LN	0-05	15		5			
June 8	LE	0-07	17	5				
	F	1-21						
	2106	O	(13-48-06)				(10920)	A difficult quake to read. It may be a composite record, -one epicentre being at a distance of 8200km and the other at a distance of 9200-. P is well marked but all the other readings are doubtful in interpretation.
	June 9	iP	14-01-52					
		i	14-03-10					
	i	14-05-04						
	PR ₂ N?	14-08-51						
	i	14-11-22						
	eS?	14-13-30						
	e	14-17-00						
SR ₁ ?	14-19-24							
e	14-20-04							
SR ₂ ?	14-25-00							
iN	14-27-18							
eN	14-31-36							
eE	14-34-00							
eL	14-37							
MN	14-53	20		56				
ME	14-54	22	36					
ME	14-57 to							
	15-09	15	19					
LN	15-02	17		19				
F	18-13 ca							
2107 June 9	eLE	19-52-16						
	eLN	19-56						
	LE	19-57						
	L	20-03	20	1-	1			
	LE	20-10	17	1-				
	F	20-35 ca						
2108 June 10	eL	9-18-12						
	L	9-20	12	1-	2			
	F	9-30						

E. A. H.
W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From June 10, 1925 to June 14, 1925 No. 33

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2109 June 11	e?	(16-18)						
	e	16-25						
	eL	16-41						
	L	17-05	20	2	2			
	LN	17-08 to 17-27	17		3	1-		
	LE	17-13 to 17-26	17	1				
	F	18-14 ca						
2110 June 12	eN	11-20						
	eE	11-21.2						
	e	11-27						
	eL	11-37						
	L	11-57	30	1-	1-			
	LE	12-05	20	1				
	LN	12-10	20		1			
	L	12-23 to 12-30	17	1-	1-			
	LN	13-10	20					
F	13-22							
2111 June 12	eL	23-03-34						
	L	23-06	20	1-	1-			
	L	23-12	12	1-	1-			
	F	23-56						
2112 June 13	e?	20-27						
	e	20-41						
	e	20-49						
	e	20-54-24						
	eL	21-03	30					
	LN	21-10	20		1-			
	LE	21-12	20	1-				
	LN	21-23	15		1			
	LE	21-26	15	1-				
F	22-13							
2113 June 14	eL	6-35						
	LE	6-41	17	1-				
	F	7-02 ca						
2114 June 14	e	19-59-56						
	e	20-06						
	e	20-13-00						
	eN	20-19-42						
	eL	20-32						
	LN	20-39	20		2			
	L	20-41	17	1-	1			
F	22-33+							

E.A.H.
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OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From June 14, 1925 to June 20, 1925 No. 34

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2115 Jun. 14	O	22-28-09					3070	
	cP	22-34-12						
	ePR ₁	22-34-52						
	iS	22-39-00						
	SR ₂ N	22-40-30						
	cL	22-41-04						
	ME	22-44-04	16	63				
	MN	22-46-08	12		18			
	LE	23-03	10		1-			
	LN	23-12	12	1-				
Jun. 15	F	0-12						
2116 Jun. 18	eN	21-46-49						
	eL	21-48						
	MN	21-49-30	10		3			
	ME	21-49-30	13	5				
	F	22-13						
2117 Jun. 19	O	8-04-47					7380	
	iP ₂	8-15-35						
	ePR ₁ E	8-18-40						
	eS	8-24-23						
	eN	8-34-49						
	cL	8-37-24						
	LE	8-46	20	7				
	LN	8-50.5	20		5			
	LE	8-53	17	4				
	LN	8-59	17		2			
F	10-24						Sinusoidal L waves with superimposed microseisms.	
2118 Jun. 19	O	(16-38-29)					(2850)	
	cPE?	(16-44-11)						
	cS	16-48-43						
	cL	16-51						
	L	16-53	20	3	2			
	L	16-54	17	1.5	1.5			
	L	17-01	15	1-	1-			
	F	17-46 ca						
2119 Jun. 20	eN	13-27-00						
	c	13-29-26						
	cSE?	13-35-30						
	cSR ₁ E?	13-42						
	cLE	13-47	17	2				
	cLN	13-48	17		2			
	F	14-28 ca						

E. A. H.
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OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From June 20, 1925 to June 24, 1925 No. 35

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2120 June 22	eN	18-27-49						
	e	18-32-08						
	eL	18-39						
	L	18-42	20	1-	1-			
	F	18-58						
2121 June 23	eN	(4-54-45)						
	eN	4-59-15						
	i	5-06-30						
	eLE?	5-19						
	LE	5-30	?	1-				
	LN	5-35	?		1-			
	F	5-53 ca						
2122 June 23	O	16-46-42					4900	
	iPN	16-55-03						
	iS	17-01-40						
	iSR ₁ E	17-04-36						
	eSR ₂	17-05-30						
	eL	17-07-00						
	LE	17-10	15	2				
	LN	17-12	12		1-			
F	18-04							
2123 June 23	eLE	(20-22)						
	eLN	(20-24.7)						
	LE	20-30 to						
		20-40	?	1-				
	LN	20-34	15		1-			
F	20-53							
2124 June 24	eLE	6-05						Better marked on EW component.
	eLN	6-25						
	LE	6-32	20	1-				
	LN	6-45	15		1-			
	LE	6-49	15	1-				
	LE	6-56 to						
	F	7-05	15	1-				
	7-30 ca							

E. A. H.
W. W. D.



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From June 24, 1925 to June 28, 1925. No. 36

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2125 June 28	O	1-21-06					2690	
	iP	1-26-33						
	iS	1-30-53						
	iL	1-33-24						
	M _E	1-36.5	9	446				
	M _N	1-37	9		423			
	F	Lost in next quake.						
			Halifax Record.					
	O	1-20-50					3680	
	eP _E	1-27-44						
	iS _E	1-33-12						
	SR _{2E}	1-35-32						
	iL _E	1-36-55						
	M _{1E}	1-38-56						
	M _{2E}	1-42-30						
	F	Lost in next quake.						
2126 June 28	O	(2-05-23)					(2800)	
	iP _E	(2-11-06)						
	iS	2-15-34						
	SR ₁	2-16-36						
	iL	2-18-12						
	M _N	2-18-45	9		81			
	M _{2N}	2-20-24	9		79			
	M	2-21	9	173	73			
	L	2-52	12	3	3			
	L _E	3-18	12	1				
	F	Lost in next quake.						
2127 June 28	e _N ?	3-48-48						
	i	3-50-56						
	iL	3-52-30						
	M	3-54	9	9	7			
	F	5-56						
2128 June 28	e _N	6-38-40						
	e _E	6-39-38						
	e	6-52						
	eL _E ?	7-00						
	L _E	7-08	30	3				
	L _E	7-14	20	2				
	L _N	7-16	20		3			
	L _N	7-22	15		2			
	L _E	7-32	15	1-				
	F	8-10 ca						

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From June 28th, 1925 to June 30th, 1925. No. 37

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2129 June 28	e _E	14-19-15						
	e _?	(14-26-10)						
	eL _?	14-39						
	M	14-56	24		5			
	M _E	14-56	20	2				
	F	15-34						
2130 June 28	O	22-31-39					2800	
	iP _E	22-37-17						
	eS _E	22-41-45						
	eL _N	22-44						
	M _N	22-45.5	(8)		2.5			
	M _E	22-47	8	1.5				
	F	23-15						
2131 June 29	O	14-42-04					3900	
	iP _E	14-49-15						
	PR _{2E}	14-50-28						
	iS _E	14-54-56						
	SR _{1E}	14-56-30						
	SR ₂	14-57-08						
	eL	14-58-34						
	M _N	15-01-45	17		193			
	M _E	15-04	12	80				
	F	18-50						
2132 June 29	e	19-11-08						
	eL	19-14-08						
	L _N	19-15.5	8		2			
	L _E	19-17-45	10	2				
	F	19-53						
2133 June 30	e _E	4-09-08						
	e	4-17-12						
	eL _N	4-28-24						
	L _N	4-33	15		1-			
	L _E	4-40	20	1-				
	L _N	4-44	17		1			
	L _E	4-46	20	1-				
F	5-42							
2134 June 30	e _N	6-43.5						
	e or eL	6-44-45						
	L _E	6-47	8	1-				
	F	6-52						

E.A.H.
W.W.D.



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

June 30th, 1925

June 30th, 1925

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From to No.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
2135 June 30	e ^N	9-34.5	s	μ	μ	μ	km.	
	eL ^N	9-37						
	eL ^E	9-39						
	L	9-40.5						
	F	10-05						
2136 June 30	eL ^E	22-35	17	1-	1-			
	L ^N	22-37						
	L ^E	22-39						
	F	22-50						

W. W. Horace

SEISMOLOGIC BULLETINS RECEIVED

July, 1925

*



We acknowledge with thanks the receipt of the following seismologic publications and bulletins.

STATIONS	BULLETINS	RECEIVED
Perth.....	February, March, April 1925.....	July 2, 1925
Washington.....	Special-June 28, 1925.....	" 2, 1925
Strasbourg.....	May, 1925.....	" 3, 1925
Paris.....	May, 1925.....	" 3, 1925
Zurich.....	Sammel Bulletin No. 47.....	" 3, 1925
G. M. Massey.....	May 30 and June 13, 1925.....	" 3, 1925
Taihoku.....	February 18-April 16, 1925.....	" 6, 1925
Cartuja.....	Seismological Notes, 1924.....	" 6, 1925
San Fernando.....	March and April.....	" 6, 1925
Georgetown.....	Special for June 29, 1925.....	" 7, 1925
Helwan.....	May, 1925.....	" 10, 1925
G. M. Massey.....	July 6, 1925.....	" 12, 1925
Denver.....	June, 1925.....	" 15, 1925
Rocca di Papa.....	Annali e Terremoti.....	" 16, 1925
Zagreb.....	May, 1925.....	" 16, 1925
Nagasaki.....	May, 1925.....	" 20, 1925
Nagasaki.....	Year 1924.....	" 20, 1925
New Orleans.....	April 16-July 7, 1925.....	" 20, 1925
Cheltenham.....	March, 1925.....	" 20, 1925
Sitka.....	March, 1925.....	" 20, 1925
Honolulu.....	March, 1925.....	" 20, 1925
Honolulu.....	Volcano Letter No. 27 July 2, 1925.....	" 20, 1925
Jensen.....	May 4-June 9, 1925.....	" 24, 1925
Tacubaya.....	Year, 1921.....	" 24, 1925
Kobe.....	Year 1923 and 1924.....	" 24, 1925
Kobe.....	Jan. 1-March 31, 1925.....	" 24, 1925
Rio de Janeiro.....	Jan. Feb. and March, 1925.....	" 24, 1925
Osaka.....	May, 1925.....	" 24, 1925
Domodossola.....	April, May and June, 1925.....	" 24, 1925
Matsuyama.....	.....	" 24, 1925
Zi-ka-wei.....	March 16-29, 1925.....	" 24, 1925
Osaka.....	June, 1925.....	" 27, 1925
Jensen, Chosen.....	June 23, July 3, 1925.....	" 29, 1925
Nagasaki.....	June, 1925.....	" 29, 1925
Valle di Pompei.....	Jan. Feb. Mar. and April, 1925.....	" 30, 1925
Georgetown.....	April, 1925.....	" 31, 1925

DOMINION OBSERVATORY

OTTAWA, CANADA,

R. Meldrum Stewart,
Director.

Ernest A. Hodgson,
Seismologist.

W. W. Doxson
Assistant Seismologist.

SPECIAL NOTICE

*



Through the kindness of Mr. G. M. Massey of Quebec a special monthly bulletin is to be issued to accompany the observations at Ottawa. These special bulletins will be supplied by Mr. Massey and will give the results of his own observations at the City of Quebec, indicating the intensity of all observed tremors and the approximate times together with the direction from which the tremors appear to come. A list will also be given of the earthquakes reported from points along the St. Lawrence between Three Rivers and Tadoussac, on both shores. Should no bulletin appear for any given month, it may be taken as an indication that no tremors were observed.

The special bulletin for July is as follows;

JULY 1925.

LOCAL REGISTER OF EARTHQUAKES FELT AT QUEBEC CITY.

No.	Date and Year	Time	Remarks
9	July 12, 1925	10-56-30 A.M. E.S.T.	Apparently EW. Extremely Feeble. RFS= II
10	July 12, 1925	5-09-40 P.M. E.S.T.	Direction undetermined. Extremely Feeble. RFS= II

N.B. Numbers are the Massey serial numbers of the earthquakes felt in Quebec City.

LOCAL REGISTER OF EARTHQUAKE TREMORS, LOWER ST. LAWRENCE REGION.

No.	Date and Year	Time	Place Observed and Remarks.
----	5 July, 1925	Not reported.	Felt on the North Shore east of Baie St. Paul.
----	6 " "	Not reported.	Felt on the North Shore and also on the South Shore of the St. Lawrence particularly in the county of Kamouraska.
----	20 " "	Early in a.m.	Reported as having been felt at points north and north-west from Quebec City. No local tremors observed in Quebec.

No.	Date and Year	Time	Place Observed and Remarks.
----	26 July, 1925	9-45 p.m. ?	Les Eboulements, Que. Felt generally in the vicinity of Baie St. Paul. Lasted several sec.
----	27 " "	4 a.m. ca. E.S.T.	Felt locally in the county of Kamouraska. Reported as "slight". Two tremors noted in Ste. Helene, County Kamouraska, Que.



Above report covers all available information up to time of closing the monthly register, August 31, 1925.

Quebec, P.Q. Local Observing Station.

G.H. Massey,
Local Observer.

The Seismological Division of the Dominion Observatory, Ottawa, is very glad to have the cooperation of Mr. Massey in observing the sensible tremors in Quebec and in collecting the reports to the local press etc. from other places in the region.

Ernest H. Hodgson

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



$\phi = 45^{\circ} 23' 38''$ N. $\lambda = 75^{\circ} 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time Correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch.....	I	Photographic	Air	15 mm. per min.	200 g.
Bosch.....	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw.....	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T ₀	r	v	ε	COMP.	1" tilt	DETERMINED
I.....	5.3		120	2:1	NS	=	May 7, 1924
II.....	6.0		120	15:1	EW	displ't	May 7, 1924
17.....	12.0		250	20:1	EW	44 mm	Nov. 28, 1924
23.....	12.0		250	20:1	NS	44 mm	Nov. 28, 1924
D.....	37.6		-	13:10	EW		Jan. 7, 1924
D.....	36.9		-	13:10	NS		Jan. 7, 1924
W.....	5.5		160	4:1	Vert		Aug. 22, 1923

From July 1, 1925 to July 4, 1925 No. 39

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2137 July 2	eLN	0-40						Faint trace; on NS component only.
	F	0-48						
2138 July 3	e	16-53-08						Faint trace
	eL	16-56-30						
	LE	16-58						
	F	17-05						
2139 July 3	e	18-36-30						Small sinusoidal traces only.
	eL	18-39						
	LE	18-42-30	12	2				
	F	19-12 ca						
2140 July 4	e?	9-24-08						
	eE	9-30-30						
	e	9-36-24						
	eL	9-42						
	LE	10-13	19	9				
	LN	10-14	20		12			
	L	10-30	20	4	4			
	L	11-15	20	2	2			
F	12-03 ca							

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY


 International
Seismological
Centre

From July 4, 1925 to July 6, 1925

No. 40

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
2141 July 5	e _E eL _N eL _E L _N F _N	12-31-20 2-38-24 2-39.6 2-41 2-50	s 12.	μ 1-	μ 1-	μ 1-	km.	
2142 July 5	e eL _N eL _E L _N F _N	4-14-20 4-21-16 4-23-30 4-24 4-36	 12	 1-	 1-	 1-		
2143 July 5	e _E ? e eS _E ? eS _N ? eL L F	(7-09-16) 7-11-00 7-15-30 7-15-38 7-20 7-22 8-12 ca	 20	 2	 2.5	 2.5		
Mr. G. M. Massey of Quebec reports: Earth tremors reported to have been felt along Lower St. Lawrence 5th-6th July, 1925. No tremors were observed at Quebec City.								
2144 July 6	e _E e _E e _E e _N F _N	7-28-40 7-29-42 7-32-38 7-34 8-00						Better marked on EW.
2145 July 6	eL L F	11-20 11-24 12-20	15	1-	1-			
2146 July 6	e _E eS? eL? L F	12-27-04 12-35-56 12-44 12-57 13-30	 20	 1-	 1-			
2147 July 6	i _E e _N eL F	21-33-04 21-33-04 21-33-28 21-36	6	2.5	2.5			
No. 2147 appears to be the Ottawa record of the tremor reported from the Lower St. Lawrence.								
E.A.H. W.W.D.								



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From July 6, 1925 to July 8, 1925 No. 41

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2148 July 7	e _E ?	(8-29-24)						
	e	8-34						
	e _E	8-37						
	e or eL _N	8-55-24						
	L _N	9-35.5	20		2			
	L _E	9-38	20	3				
	F	10-46 ca						
2149 July 7	O	14-12-04					4080	
	eP	14-19-28						
	PR ₂	14-20-54						
	iS	14-25-20						
	SR _{1N}	(14-27-30)						
	SR _{2N}	(14-28-08)						
	eL _E	14-29-45						
	ML _N	14-32-24	9		55			
	M _E	14-35-38	10	53				
	M _{2N}	14-36-53	9		53			
	F	Last in next quake.						
2150 July 7	i _N ?	15-13-24						Preliminary phases lost in preceding quake.
	eL _E	15-17-45						
	eL _N	15-18-12						
	M _N	15-25-38	13		11			
	M _E	15-25-45	13	12				
	L _N	15-49	13		5			
	F	17-45						
2151 July 7	O	17-43-36					3200	
	iP	17-49-51						
	iS _N	17-54-49						
	SR _{1E}	17-56-08						
	SR _{2E}	17-56-30						
	eL _E	17-57-08						
	eL _N	17-57-12						
	M _E	18-03	13	13				
	M _N	18-06	15		21			
	L _N	18-33	13		3			
	L _E	18-35	13	4				
F	20-15							
2152 July 8	e _N ?	(1-50-16)						
	e _E ?	(1-52-08)						
	eS?	1-58-48						
	L	2-19	15	1-	1-			
	L _N	2-36						
	F _N	3-18						

E. A. H.
W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



From July 8, 1925 to July 12, 1925 No. 47

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2153 July 8	eL _E L F	(6-11) 6-17 6-52	20	1-	1-		Faint traces only	
2154 July 8	e _N c _E eL _E L _N L _E L _N F _N	11-38-20 11-38-52 11-42 11-47 12-00 12-03 12-45	17 10 13	1-	1-			
2155 July 8	eL L E	14-46 14-54 15-58	13		1			
2156 July 8	e eL L _N L _E F	18-49.5 18-52 19-03 19-06 19-46	17 15	1	1			
2157 July 10	e eL _N eL _E L _E F	14-54-12 14-54-40 14-55-10 14-57 15-02 ca	8	1-	1-			
2158 July 11	e _E e _N eL _E eL _N L _E L _N F	2-05-50 2-06 2-06-30 2-07 2-10 to 2-45 2-10 to 2-51 3-17	15 15	1-	1-			
2159 July 12	eL _N eL _E L _N L _E F	(21-56) (21-58) (22-00) (22-02) (22-30)	20 20	1-	1-		Time marks failed.	
<p>Mr. G. M. Massey reports two earthquake shocks felt in Quebec July 12—the first at 10-56 a. m. E.S.T. and the second at 5-09-40 p. m. E.S.T. These were not registered at Ottawa.</p> <p style="text-align: right;">E.A.H. V.W.D.</p>								

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From July 12, 1925 to July 27, 1925 No. 43

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2160 July 17	e _N	3-33-19						
	e _E	3-33-24						
	e _N	3-39-22						
	e _E	3-40-24						
	e _N	3-42-44						
	e _L	3-49-00						
	L _N	3-53-30						
	L _E	3-54-38						
	L _N	4-07						
L _N	4-14	20		2				
F	5-05 ca							
2161 July 17	e _L	5-54						Faint traces sinusoidal L waves only.
	F	5-59						
2162 July 17	e _N ?	(18-10.6)						
	e _L	18-17						
	L _N	18-24	20	2				
	F	19-14						
2163 July 17	e	21-29						Appears to be two earthquakes. The second starting at 23 hrs. ca.
	e	21-30-14						
	e _E	21-35-58						
	e	21-39.3						
	e _N	21-46-08						
	e _E	21-49						
	e _L	22-03						
	L _E	22-17	20	2				
	L _N	22-20	20		2			
	L _N	23-31	20		2			
L _E	23-32							
F	0-12							
2164 July 24	e _N ?	1-43.1						
	e _N	1-59						
	e _L	2-07						
	L	2-14	17	1-	1-			
	F	2-48						
2165 July 24	e _L	4-25						
	L	4-29	17	1-	1-			
	F	4-42						
2166 July 25	e _L	5-23						Very faint traces only.
	L _E	5-25	17	1-				
	F	5-28						
2167 July 27	e _L	12-28-12						A nearby epicentre apparently.
	e _L	12-23-20	8	1-				
	L _E	12-24	9		1-			
	F	12-36						

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From July 27, 1925 to July 31, 1925. No. 44

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2168 July 29	e _E ?	(5-23-30)						
	e _E	5-28-24						
	e	5-35-16						
	eL _N	5-53						
	L	6-01	20	1-	1-			
	L	6-09	17	1-	1-			
	L _E	6-15 to						
	L _N	6-32	15	1-				
2169 July 30	F	6-25	15		1-			
	F	7-22						
	e	12-25-48						Apparently from a nearby epicentre
	eL	12-27-27						
	L _N	12-27-40	6		2			
M _E	12-29-35	8	4					
F	12-44							
2170 July 31	O	(8-46-19)					(4320)	
	eP _N ?	8-54-00						
	eS	9-00-05						
	SR ₂	9-03-36						
	eL _E	9-06						
	L _E	9-16	12	1-				
	L _N	9-25	15		1-			
2171 July 31	F	10-26						
	e	20-31-10						
	eL _N	20-33-30						
	eL _E	20-34-10						
	L _N	20-39	15		1-			
F	20-54							

E.A.H.
W.W.D.

SEISMOLOGIC BULLETINS RECEIVED

AUGUST

1925

**



We acknowledge, with thanks, the receipt of the following seismologic publications and bulletins.

STATIONS	BULLETINS	RECEIVED
Manila.....	Jan. 1 - March 15, 1925.....	Aug. 1, 1925
Darmstadt.....	Der Aufbau der Erde.....	Aug. 4, 1925
Upsala.....	May 1917 - December 1918.....	Aug. 4, 1925
Algiers.....	June, 1925.....	Aug. 4, 1925
Ootomari.....	Bulletins 1923, 1924.....	Aug. 4, 1925
Barcelona.....	Jan. 1 - May 4, 1925.....	Aug. 8, 1925
Zagreb.....	June, 1925.....	Aug. 11, 1925
Innsbruck.....	Jan. Feb. Mar. Apr. 1925.....	Aug. 11, 1925
Strasbourg.....	June, 1925.....	Aug. 12, 1925
Toronto.....	April and May, 1925.....	Aug. 12, 1925
Zurich.....	Sammel Bulletin No. 48.....	Aug. 13, 1925
Manila.....	Mar. 15 to April 30, 1925.....	Aug. 14, 1925
Toledo.....	March, 1925.....	Aug. 14, 1925
Almeria.....	March, 1925.....	Aug. 14, 1925
Malaga.....	March, 1925.....	Aug. 14, 1925
Alicante.....	March, 1925.....	Aug. 14, 1925
Zagreb.....	July, 1925.....	Aug. 20, 1925
Natural Resources..	August, 1925.....	Aug. 20, 1925
Victoria.....	April, 1925.....	Aug. 24, 1925
Berkeley - Lick.....	Oct. 1922 - March 1923.....	Aug. 24, 1925
Uccle.....	Records Feb. 28 - Mar. 1, 1925..	Aug. 24, 1925
Melbourne.....	Nov. 19, 1924 - June 30, 1925...	Aug. 26, 1925
Taihoku.....	April 16 - June 2, 1925.....	Aug. 27, 1925
Perth.....	June, 1925.....	Aug. 27, 1925
Oxford.....	Summary Apr., May, June, 1921...	Aug. 27, 1925
Zi-ka-wei.....	April 26 - May 15, 1925.....	Aug. 28, 1925
Hamburg.....	April, May and June, 1925.....	Aug. 28, 1925
Denver.....	July - August 21, 1925.....	Aug. 29, 1925
Halifax Records.....	Aug. 18-19, 1925.....	Aug. 29, 1925
Uccle.....	Jan. 1 - June 20, 1925.....	Aug. 31, 1925
San Fernando.....	May - June, 1925.....	Aug. 31, 1925

DOMINION OBSERVATORY

OTTAWA, CANADA.

R. Meldrum Stewart,
Director.

Ernest A. Hodgson,
Seismologist.
W. W. Doxsee,
Assistant Seismologist.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



International
Seismological
Centre

$\phi = 45^{\circ} 23' 38''$ N. $\lambda = 75^{\circ} 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time Correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch.....	I	Photographic	Air	15 mm. per min.	200 g.
Bosch.....	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw.....	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	5.3	r	120	2:1	COMP.	1" tilt	DETERMINED
I.....	6.0		120	15:1	EW	displ't	May 7, 1924
II.....	12.0		250	20:1	EW	44 mm.	May 7, 1924
17.....	12.0		250	20:1	NS	44 mm.	Nov. 28, 1924
23.....	37.6			13:10	EW		Nov. 28, 1924
D.....	36.9			13:10	NS		Jan. 7, 1924
D.....	5.5		160	4:1	Vert		Jan. 7, 1924
W.....							Aug. 22, 1923

August 1st, 1925

August 6th, 1925.

45

From..... to..... No.....

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2172 Aug. 1	eLN	3-19						Better marked on EW component.
	L	3-24						
	L	3-29	20	1-	1-			
	L	3-32	17	1-	1-			
	LE F	3-38 4-02	15	1-				
2173 Aug. 2	eLN	3-04-12						
	LN	3-05-16	10	1-				
	LE	3-06-30	12		1			
	F	3-18						
2174 Aug. 2	e	10-52-34						Better marked on EW component.
	eLE	10-55-45						
	LE	10-59	17	1				
	F	11-18						
2175 Aug. 6	eLN	6-39	12		1-			Paint traces only.
	F	6-43						

N O T I C E

Acknowledgment cards will be sent out in the envelopes with the bulletins for July, August, and September, each year. It is requested that at least one of the cards be returned each year, preferably together with the bulletins from your station. In case no card is returned by December, it will be assumed that the bulletins are no longer of use to your station and the corresponding address plate will be removed from the mailing list.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY
August 6th, 1925. August 11th, 1925.

46

From to No.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
2176 Aug. 6	eL LE LN LE F	15-16-30 15-22 ^s 15-24 15-26 15-58	30 20 20	4- 1-	μ 1-	μ	km.	
2177 Aug. 7	e e e e eL LE LN F	6-58-20 7-07-50 7-12-24 7-15-56 7-19 7-30 7-31 7-50 ca	15 15	1-	1-			
2178 Aug. 7	O eP ePR ₂ eSE ₂ iSR ₂ eL MN ME F	7-47-40 7-54-28 7-55-36 7-59-52 8-02-00 8-04-00 8-09-45 8-10-00 10-21	6 9	11	9		3600	
2179 Aug. 8	eLE LN LE F	3-42 3-46 3-49 4-15	20 20	1	1-			
2180 Aug. 9	e e eLN eLE LE LN F	11-31-24 11-36-38 11-49 11-50 11-55 11-56 12-08	17 17	1-	1-			
2181 Aug. 11	e eLE eLN L F	17-25-41 17-28-34 17-28-56 17-36 17-59	15	1-	1-			
2182 Aug. 11	eE eN eLE? LN LN F	20-03-30 20-03-49 20-15-28 20-27 20-36 21-19	20 17		1- 1-			

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From August 11, 1925. to August 16, 1925. No. 47

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2183 Aug. 12	O	(0-58-34)					(3530)	
	cP	7-05-17						
	cS	7-10-36						
	SR ₂ ?	7-12-40						
	cL?	7-14-12						
	LE	7-22	12	2				
	LN	7-26	12		1			
F	8-25							
2184 Aug. 13	cE	3-00-15						Reported from Montana.
	cN	3-00-40						
	cLE	3-02-50						
	LN	3-03-16	9		1-			
	LE	3-03-24	12	1-				
	F	3-10						
2185 Aug. 13	cN	10-40-32						Trace only.
	L	10-43	9	1-	1-			
	F	10-45						
2186 Aug. 13	cE?	(18-59-24)						
	cE	19-02-16						
	cLE	19-05-20						
	L	19-07	15	1-	1-			
	F	19-15						
2187 Aug. 14	c	4-28-29						
	e	4-38-36						
	cL	4-51						
	LN	5-11	24		1-			
	LN	5-26	20		3			
	LE	5-30 to	17	2				
		6-16						
	LN	5-48 to	17		1			
F	6-11							
	7-07							
2188 Aug. 14	cLN	7-13						
	cLE	7-15						
	L	7-24	20	1-	1-			
	L	7-33	20	1-	1-			
	F	7-57						
2189 Aug. 15	cN	14-29-24						May not be seismic
	cLN	14-38						
	F	14-45						
2190 Aug. 16	cLN	3-04						
	LN	3-16	17		1-			
	F	3-42						

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From August 16, 1925. to August 23, 1925. No. 48

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2191 Aug. 17	cL _N F _N	20-38 20-40	12		1-		Faint traces only.	
Milne-Shaw No. 17 (EW Component) undergoing repairs from Aug. 17 to Aug. 19 inclusive.								
2192 Aug. 19	cN cL _N L _N F	4-12-34 4-16-34 4-23 4-44	15		1-			
2193 Aug. 19	c cN cL _N L _N L _N F _N	5-42-50 5-44-37 5-54 5-59 6-09 7-24	15 15		4 2			
2194 Aug. 19	0 eP eN iS L _N iSR ₂ cL ₂ M _N M _{2N} M _{3N} L _N F	12-07-30 12-18-19 12-22-00 12-27-08 12-31-20 12-34-33 12-38 12-45 12-55 13-04 13-15 to 13-55 16-25	17 15 15 15		100 51 32 5	7390		
2195 Aug. 20	c cL _N cL _E L _E L _N F	23-23-51 23-31 23-33 23-36 23-37 23-57	17 17	1-	1-			
2196 Aug. 21	cN? eL _N L F	(11-29.3) 11-31 11-33 11-43	8	1-	1-		Apparently from a nearby epicentre.	
2197 Aug. 23	cL _N cL _E L _N L _E F	1-44-24 1-44-30 1-45 1-47-10 1-52	13 9	1-	2		L waves only. Appears to be local.	
E. A. H. W. W. D.								

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Aug. 23, 1925 to Aug. 31, 1925 No. 49

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2198 Aug. 24	eLN L F	11-10-34 11-12 11-16	15	1-	1-			Faint traces of Sinusoidal J waves only.
2199 Aug. 26	eL LE F	5-05 5-07-24 5-08						Apparently from a nearby epicentre.
2200 Aug. 28	eE eLN eLE LE F	10-47-20 10-47-50 10-48-30 10-53 11-15	15	1-				
2201 Aug. 29	eLE eLN LE LN F	21-58-24 21-58-34 21-59-12 21-59-16 22-04	10 10	1-	1-			L waves only. Appears to be local.
2202 Aug. 29	O ePE eS eSR ₁ N eSR ₂ E eL M LN LE LR ₁ N F	22-36-39 22-43-24 22-48-45 22-50-10 22-50-36 22-52-00 22-55-30 23-06-20 23-10 1-16 1-20	12 12 12 19	41 5	96 4	3560		
2203 Aug. 30	eLE LE F	7-58 8-13 8-31	15	1-				Faint trace of L waves on EW com- ponent only.
2204 Aug. 31	eLE eLN LN LE F	1-22-24 1-22-45 1-23 1-25 1-30	10 10	1-	1			Appears to be local.
2205 Aug. 31	eL L F	8-32 8-34 8-42	9	1-	1-			
2206 Aug. 31	eLN? L L F	(10-44) 10-56 11-08 11-30	20 15	1- 1-	1- 1-			

E. A. H.
W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



From Aug. 31, 1925 to Aug. 31, 1925 No. 50

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2207 Aug. 31	eN? eE eLN eLE LN F	(20-34-34) 20-38-24 20-39 20-41-24 20-46 20-56	20		1-			Faint trace only.
<p>Beginning with the September bulletin the reading of the records and the issue of the bulletin will be in charge of Mr. W. W. Doxsee, M.A. - the Assistant Seismologist. Only the records of very severe tremors or those which are obscure enough to require the cooperation of both readers will be examined in detail by the Seismologist - Mr. Hodgson. The checking will be arranged for with the cooperation of the recently appointed clerk-stenographer, Miss Helen Gormley.</p>								
<p><i>Ernest G. Hodgson</i></p>								



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

SEISMOLOGIC BULLETINS RECEIVED

SEPTEMBER

1925.

**

We acknowledge, with thanks, the receipt of the following seismologic publications and bulletins.

STATIONS	BULLETINS	RECEIVED
Strasbourg	Bulletin Bibliographique, July 1925	Sept. 2, 1925
Zi-ka-wei	May 25 - June 6, 1925	" 3, 1925
Halifax	Records of Aug. 28-29, 1925	" 3, 1925
Tiflis	Report for 1921 - 1922	" 4, 1925
Saskatoon	Records June 16 - Aug. 25/25	" 4, 1925
Zi-ka-wei	June 6 - June 21, 1925	" 8, 1925
Strasbourg	July 1 - July 31, 1925	" 8, 1925
La Paz (Bolivia)	May 17 - July 10, 1925	" 8, 1925
Fordham	June, 1925	" 9, 1925
Matsuyama	Two Bulletins	" 15, 1925
Zagreb	August, 1925	" 18, 1925
Helwan	July, 1925	" 19, 1925
Victoria	April and May, 1925	" 19, 1925
Toledo	April and May, 1925	" 22, 1925
Almeria	April and May, 1925	" 22, 1925
Malaga	April and May, 1925	" 22, 1925
Alicante	April and May, 1925	" 22, 1925
Rome	August, 1925	" 22, 1925
Georgetown	Seismological Despatches, July and August, 1925	" 22, 1925
Washington	May, 1925	" 22, 1925
Aachen	May, June and July, 1925	" 23, 1925
Aachen	Monograph re Traffic Disturbance	" 24, 1925
Ste. Anne	Sheets Nos. 110-116 inclusive	" 24, 1925
Osaka	July, 1925	" 26, 1925
Zurich	Sammel Bulletin No. 49	" 28, 1925
Jinsen	July 6 - Sept. 3, 1925	" 28, 1925
Zi-ka-wei	June 23 - July 18, 1925	" 28, 1925
Rome	Nos. 408 - 409, 1925	" 30, 1925

DOMINION OBSERVATORY

OTTAWA - CANADA.

R. Meldrum Stewart,
Director.

Ernest A. Hodgson,
Seismologist,
W. W. Doxsee,
Assistant Seismologist.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

$\phi = 45^\circ 23' 38''$ N. $\lambda = 75^\circ 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time Correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch	I	Photographic	Air	15 mm. per min.	200 g.
Bosch	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer	W	Smoked Sheet	Air	15 mm. per min.	80 kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T ₀	r	v	ε	COMP.	1" tilt	DETERMINED
I	5.3		120	2:1	NS	=	May 7, 1924
II	6.0		120	15:1	EW	displ't	May 7, 1924
17	12.0		250	20:1	EW	44 mm.	Nov. 28, 1924
23	12.0		250	20:1	NS	44 mm.	Nov. 28, 1924
D	37.6			13:10	EW		Jan. 7, 1924
D	36.9			13:10	NS		Jan. 7, 1924
W	5.5		160	4:1	Vert		Aug. 22, 1923

From Sept. 1, 1925 to Sept. 2, 1925 No. 51

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2208 Sept. 1	eN	8-37-24						
	eL	8-50						
	L	8-55	20	1-	1-			
	F	9-16						
2209 Sept. 1	eL	11-58						
	L	12-03	20	1-	1-			
	F	12-20						
2210 Sept. 1	eLE	16-36-38						
	LE	16-38	20	1-				
	LN	16-39	17		1-			
	F	17-07						
2211 Sept. 2	eL	12-01-28						
	L	12-01-38	4	2	2			Reported from Evansville, Ill.
	F	12-03						
DOMINION OBSERVATORY OTTAWA, CANADA. R. Meldrum Stewart, Director.							Ernest A. Hodgson, Seismologist; W. W. Doxsee, Assistant Seismologist.	

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Sept. 2, 1925 to Sept. 10, 1925 No. 52

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2212 Sept. 3	eL	9-29-44						Sinusoidal L waves of small amplitude.
	L	9-33	15	1-	1-			
	LE	9-37	15	1-				
	LN	9-44	15		1-			
	F	9-55						
2213 Sept. 3	e	21-37-53						
	eL	21-44-30						
	L	21-50	10	1-	1-			
	F	22-08						
2214 Sept. 4	eL	10-19.6						
	L	10-22	15	1-	1-			
	F	10-25						
2215 Sept. 4	O	10-36-01					3500	
	iP	10-42-41						
	ePR ₁ N	10-43-24						
	iS	10-47-58						
	iE	10-50-20						
	eL	10-52-16						
	LN	10-56.5	15		1			
F	11-20							
2216 Sept. 5	O	16-40-24					5820	This record is su- perimposed upon an- other which begins at 16-41-10.
	iP	16-49-44						
	iS	16-57-10						
	eL	17-03-24						
	M	17-06	18	24	22			
	MN	17-13	18		21			
	LE	17-17	16	7				
	LN	17-25	16		7			
	LE	17-50	12	1-				
	LN	17-56	15		1-			
	F	19-30						
2217 Sept. 6	eLN	2-18.5						
	eLE	2-20						
	LE	2-23 to						
		2-31	20	2				
	LN	2-26 to						
		2-32	17		1-			
F	3-06							
2218 Sept. 10	eN	13-18.6						
	L	13-40	15	1-	1-			
	LN	14-02			1-			
	F	14-48						

W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Sept. 10, 1925 to Sept. 20, 1925 No. 53.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2219 Sept. 10	eN eLN LN F	(23-27.9) (23-28.9) (23-29.7) (23-35)	9		1-			Local. Time marks failed.
2220 Sept. 11	eN eN eLN LN F	4-06.6 4-11-16 4-17 4-32 5-10 ca.	15		1-			
2221 Sept. 11	eL L F	15-59 16-20 16-32	15	1-	1-			
2222 Sept. 12	O eP _N eS _N eLN LN F	9-25-58 9-35-28 9-43-03 9-53 9-59 10-36	15		1		5980	
2223 Sept. 12	e eL LN LE F	14-34-40 14-42-16 14-44 14-51 15-15	17 17	1-	1-			
2224 Sept. 14	eL LN F	12-22.5 12-35 12-48			1-			Irregular L waves.
2225 Sept. 15	eL LN LE F	5-30 5-37 5-41 5-51	15 15	1-	1-			
2226 Sept. 16	eN eL F	3-59-24 4-05-40 4-26						Irregular L waves of small amplitude.
2227 Sept. 20	eLE? MN F	8-27.2 8-38 8-47	16		1-			

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Sept. 20, 1925 to Sept. 30, 1925. No. 54

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2228 Sept. 24	eN?	0-52.3					Appears to be local M plainly precedes on NS over EW.	
	eLN	0-53						
	eLE	0-55.7						
	MN	0-54.3	12		2			
	ME	0-56.2	10	3				
	F	1-06						
2229 Sept. 24	eLN?	5-31	?		1-		Small irregular traces of L waves.	
	eLE?	5-33	?	1-				
	F	5-48						
2230 Sept. 24 Sept. 25	eL	23-38						
	ME	23-46	14	1-				
	F	0-05						
2231 Sept. 25	eLN	2-52						
	ME	2-59.5	(9)	1-				
	F	3-14						
2232 Sept. 25	eN	9-14.8						
	M	9-26.5	10	1-	1-			
	F	9-35						
2233 Sept. 25	eL	10-07					Better marked on NS.	
	MN	10-10	15		1			
	F	10-25						
2234 Sept. 26	eN?	10-56.6					No EW record owing to closed slit on seismograph No. 17.	
	eLN	11-05.8						
	LN	11-08	?		1-			
	F	11-24						
2235 Sept. 29	eLN	12-52.2					No record on EW component.	
	LN	12-56	15		1-			
	F	13-01						
2236 Sept. 29	O	(17-34-48)				(2660)		
	eP?	17-40-12						
	iSE	17-44-30						
	iLE	17-46-12						
	MN	17-53	13		10			
	ME	17-53-12	15	11				
	LE	18-02 to						
		18-37	10	2				
	LN	18-06 to						
		18-31	12		3			
F	19-44 ca.							
2237 Sept. 30	eLN	12-40.3					Better marked on EW.	
	eLE	12-45	20	1-	1-			
	F	12-55						

W. W. Dorse

SEISMOLOGIC BULLETINS RECEIVED

October, 1925



We acknowledge, with thanks, the receipt of the following seismologic publications and bulletins.

STATIONS	BULLETINS	RECEIVED
Tacubaya	Catalogue for 1922 'quakes	Oct. 1, 1925
Merida	1922	" 1, 1925
Caxaca	1922	" 1, 1925
Colima	1922	" 1, 1925
Mazatlan	1922	" 1, 1925
Puebla	1922	" 1, 1925
Vera Cruz	1922	" 1, 1925
Manila	May, 1925	" 2, 1925
Toronto	Montana Quake Records	" 2, 1925
Cartuja	June, 1925	" 3, 1925
Batavia	Jan., Feb., Mar., 1925	" 5, 1925
Tyosi	January, February, 1925	" 5, 1925
Wellington	Jan. 1 - April 5, 1922	" 7, 1925
Strasbourg	August, 1925	" 8, 1925
Halifax	Records of Oct. 4 - 5, 1925	" 8, 1925
Ste. Anne	Records 124 to 130	" 10, 1925
Apia	January - March, 1925	" 12, 1925
Massey	Oct. 8-9, 1925	" 12, 1925
Tyosi	March - June, 1925	" 12, 1925
Mazusawa	Five bulletin months	" 12, 1925
Nagasaki	July - August, 1925	" 14, 1925
San Fernando	July - August, 1925	" 15, 1925
Natural Resources	October, 1925	" 16, 1925
Zürich	Sammel Bulletin No. 50	" 16, 1925
Rome	Bulletins 410-411	" 16, 1925
Halifax	Records, Oct. 13-14, 1925	" 19, 1925
Ste. Anne	Records Oct. 3-9, 1925	" 19, 1925
Oxford	Report Southampton Meeting	" 19, 1925
Oxford	Summary, July, Aug., Sept, 1921	" 19, 1925
Fordham	August - September, 1925	" 19, 1925
Zagreb	September, 1925	" 21, 1925
Toronto	June, 1925	" 21, 1925
Halifax	Records, Oct. 19-20, 1925	" 23, 1925
Zi-ka-wei	July 18 - August 19, 1925	" 23, 1925
Victoria	June, 1925	" 24, 1925
Denver	Aug. 1 - Oct. 22, 1925	" 26, 1925
Rome	Bulletins 412-413	" 27, 1925
Mizusawa	Report 1924	" 27, 1925
Domodossola	July, 1925	" 28, 1925
Algiers	July, 1925	" 29, 1925

DOMINION OBSERVATORY

OTTAWA - CANADA.

R. Meldrum Stewart,
Director.

Ernest A. Hodgson,
Seismologist;
W. W. Doxsee,
Assistant Seismologist.

OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

S P E C I A L B U L L E T I N

LOCAL REGISTER OF EARTHQUAKES FELT AT QUEBEC CITY

No.:	Date and Year:	Time	Remarks
11	Oct. 1, 1925:	8-58 a.m., E.S.T.	Lasted several seconds. Force about II, R.F.S. Extremely Feeble
:	:	:	Two tremors noted in rapid succession. Last one very slight.
:	:	:	Apparently vertical.
12	Oct. 8, 1925:	12 p.m., E.S.T.	Lasted about 2 minutes. Force IV, R.F.S. Feeble Direction N-S ?
13	Oct. 9, 1925:	9 2.m., E.S.T.	Lasted 5 seconds? Force III, R.F.S. Very Feeble. Direction doubtful

Landslides were reported from Portneuf County at about the time of the last two earthquakes but no shocks were reported as accompanying them.

The serial numbers used in the above report are those adopted by Mr. G. M. Massey. for earthquakes felt in the city of Quebec. The above report was supplied by Mr. Massey, acting as Local Observer for the seismologic division of the DOMINION OBSERVATORY, OTTAWA.



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

$\phi = 45^\circ 23' 38''$ N. $\lambda = 75^\circ 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time Correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch.....	I	Photographic	Air	15 mm. per min.	200 g.
Bosch.....	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw.....	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T ₀	r	v	ε	COMP.	1" tilt =	DETERMINED
I.....	5.3		120	2:1	NS	displ't	May 7, 1924
II.....	6.0		120	15:1	EW		May 7, 1924
17.....	12.0		250	20:1	EW	44 mm.	Nov. 28, 1924
23.....	12.0		250	20:1	NS	44 mm.	Nov. 28, 1924
D.....	37.6		---	13:10	EW		Jan. 7, 1924
D.....	36.9		---	13:10	NS		Jan. 7, 1924
W.....	5.5		160	4:1	Vert		Aug. 22, 1923

From Oct. 1, 1925 to Oct. 4, 1925 No. 55.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2238 Oct. 1	eL _E	0-54.5	20	1-				Trace only.
	eL _N	0-56	?		1-			
	F	1-09						
2239 Oct. 1	eL	10-54-12						Local.
	L _N	10-54-49	9		1-			
	L _E	10-57	9	1-				
	F	11-05						
2240 Oct. 4	eL _N	1-17.5						Trace only.
	F	1-23 ca.						
2241 Oct. 4	O	(3-44-20)					(5040)	
	eP _N ?	3-52-51						
	eP _R _N ?	3-54-37						
	iS	3-59-35						
	eL _N	4-06.4						
	M _N	4-12-38	17		3			
F	4-55							
DOMINION OBSERVATORY OTTAWA, CANADA. R. Meldrum Stewart, Director.								Ernest A. Hodgson, Seismologist; W. W. Doxsee, Assistant Seismologist.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Oct. 4, 1925 to Oct. 5, 1925 No. 56

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2242 Oct. 4	e _N ?	7-51.5						
	e _N ?	8-00						
	eL _N	8-12						
	L _N	8-24	15		1-			
	F	8-48 ca.						
2243 Oct. 4	e _N	16-39-04						MS No. 17 out of adjustment at time of quake.
	e _N	16-44-08						
	eL _N	16-55	30					
	L _N	16-59	20		2			
	I _N	17-04	15		1-			
	F	17-40 ca.						
2244 Oct. 5	O	4-09-05					3450	
	iP	4-15-41						
	iPR ₂	4-16-34						
	iS	4-20-55						
	iL	4-23-42						
	M _N	4-30	15		21			
	M _E	4-30	14	19				
	M _N	4-34	15		17			
	M _E	4-34	14	16				
	L _E	4-58 to	12	2				
		5-33						
	L _N	5-00 to	15		3			
		5-35						
	F	Lost in following quake.						
	HALIFAX RECORD							
	O	4-09-09					3850	
	iP	4-16-16						
	iS	4-21-55						
	eL _E ?	4-25-47						
	F	Lost in following quake.						
2245 Oct. 5	O	4-11-07					3050	As 2244 and 2245 are almost simultaneous quakes the M and L phases read for 2244 may belong to 2245.
	iP	4-17-08						
	iPR ₂	4-17-56						
	iS	4-21-55						
	iL	4-25-04						
	F	7-16						
	HALIFAX RECORD							
	O	4-11-18					3400	
	iP	4-17-50						
	eS	4-23-00						
	eL _N ?	4-25-25						
	F	5-00 ca.						

W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Oct. 15, 1925 to Oct. 19, 1925 No. 58

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2254 Oct. 15	O	(12-50-26)					(7580)	
	ePN	13-01-25						
	eS?	13-10-24						
	eL	13-24-28						
	LE	13-36	20	1-				
	LN	13-39	15		1			
	F	14-12 ca						
2255 Oct. 15	eL	16-02						
	L	16-04	12	1-	1-			
	F	16-06						
2256 Oct. 15	eL	18-42.3						
	LN	18-43 to						
		18-45	13		1-			
	LE	18-45	17	1-				
	F	18-48						
2257 Oct. 15 Oct. 16	eLE	23-54						
	L	23-56	20	1-	1-			
	F	0-00						
2258 Oct. 16	eLN?	2-20						
	LN	2-26	?		1-			
	LE	2-30	?	1-				
	LN	2-40	(20)		1-			
	F	2-55						
2259 Oct. 18	eN	8-43						Irregular traces only.
	eN	8-57						
	eLN?	9-04.5	?		1-			
	F	10-10						
2260 Oct. 19	e	10-59-25	irr.					Reported from New England.
	i	11-01-02	2.5					
	e	11-01-17	4.5					
	iL?	11-01-45	9					
	M _N	11-02.2	12		37			
	M _E	11-02.2	11	11.5				
	L	11-03.5	7.5	4	4			
F	11-40							
2261 Oct. 19	eN	12-05-17						Apparently local.
	eLN	12-01-01	11		5			
	eLE	12-01-01	12	5				
	F	12-15						

E.A.H.
W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Oct. 19, 1925 to Oct. 25, 1925 No. 59

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2262 Oct. 21	eS?	17-45-16						Micros mask early phases.
	eL _N	17-52.6						
	eL _E	17-53.5						
	L _E	17-55	15	2				
	L _N	17-56 to						
		18-05	15		2			
	L _E	18-08	15	2				
	L _N	18-15 to						
		18-23	15		1			
2263 Oct. 22	L _E	18-20	15	2				Appears to be two quakes; the second beginning at 17-42-24.
	F	18-45 ca.						
	e _N	17-24-15						
	e _N	17-31-20						
	i	17-42-24						
	eL	18-07						
	M _N	18-12	30		15			
	M _N	18-25	20		9			
	M _N	18-31	20		12			
2264 Oct. 23	L _N	18-44 to						Small irregular waves with superimposed microseisms.
		19-05	20		3			
	F	19-34						
2265 Oct. 23	e _N ?	2-07.6						
	e _N ?	2-20						
	F	2-47						
	e _N ?	3-02.5						
	eL _N	3-10						
2266 Oct. 25	L _N	3-25	?		1-			
	L _N	3-38	15		1-			
	F	3-54						
	eL _N	1-23						
2267 Oct. 25	L _N	1-28.5	?	1-				Micros obscure early phases.
	L _E	1-30	22		1-			
	F	1-38 ca.						
	e _N ?	4-50.6						
2267 Oct. 25	e _E ?	4-52.5						Micros obscure early phases.
	e _N	4-55						
	eL	4-58						
	L _N	5-05	24		1-			
	L _E	5-06 to						
		5-11	20	4				
	M _N	5-13	15		4			
	F	5-30 ca.						

W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Oct. 25, 1925 to Oct. 31, 1925 No. 60

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2268 Oct. 30	e _E ?	15-08						Micros mask early phases.
	e _L ?	15-18.6						
	e _L _N	15-30.5						
	e _L _E	15-32.5						
	L _E	15-41	17	2				
	L	15-47	15	4	4			
	L	16-04	15	4	4			
	L _N	16-14	15		3			
F	17-05 ca.							
DELAYED SEISMOGRAMS								
STE. ANNE								
2250 Oct. 13	O	17-42-05					4630	Phases sharply defined. Apparently an error in the recording of time or clock correc- tion.
	iP	17-50-08						
	iS	17-56-30						
	iL	18-00-53						
	M	18-03-05	15					
	F	19-45 ca.						
HALIFAX								
2260 Oct. 19	e _N	11-05-12						Much better marked on NS.
	e _L	11-06-00						
	M	11-06-43						
	F	Lost in micros.						

10/16/25 Dose

SEISMOLOGICAL BULLETINS RECEIVED

NOVEMBER-1925

* * *

International
Seismological
Centre

We acknowledge, with thanks, the receipt of the following seismologic publications and bulletins.

STATIONS	BULLETINS	RECEIVED
Ste. Anne	Seismograms 144-150	Nov. 2, 1925
Sydney, N.S.W.	Jan. and Feb., 1925	" 3, 1925
Taihoku	June 3 - Aug. 19, 1925	" 3, 1925
Massey, G.M.	October, 1925	" 4, 1925
Saskatoon	Seismograms, Aug. 25-Oct. 18/25	" 4, 1925
Strasbourg	September, Oct. 1925	" 5, 1925
Fordham	October, 1925	" 6, 1925
Manila	June and July, 1925	" 7, 1925
Helwan	Aug. and Sept. 1925	" 7, 1925
Wellington	New Zealand Times, Oct. 7, 1925	" 7, 1925
Hamburg	July, Aug. and Sept. 1925	" 10, 1925
Rome	Bulletins 414-415	" 12, 1925
Kobe	Apr. May and June, 1925	" 16, 1925
Kobe	Report on Eq. May 23, 1925	" 16, 1925
Halifax	Seismograms Nov. 9-10, 1925	" 16, 1925
Tyosi	July and August, 1925	" 16, 1925
Ste. Anne	Seismograms, 153-164	" 16, 1925
Matsuyama	Two months	" 16, 1925
Washington	June, 1925	" 16, 1925
Halifax	Seismogram, Nov. 15, 1925	" 17, 1925
Cartuja	July, 1925	" 18, 1925
Moncalieri	Year 1924	" 18, 1925
Toronto	Nov. and Dec., 1924	" 18, 1925
Nagasaki	September, 1925	" 20, 1925
Lemberg	Aug., Dec., 1924-Jan., Aug., 1925	" 20, 1925
Halifax	Seismogram Nov. 16, 1925	" 20, 1925
Innsbruck	July - December, 1924	" 20, 1925
Wien	Feb. 21 - Oct. 23, 1925	" 20, 1925
Bergen	Oct., Dec., 1924-Jan., July, 1925	" 21, 1925
Natural Resources	November, 1925	" 21, 1925
Apia	April - June, 1925	" 23, 1925
Zagreb	October, 1925	" 23, 1925
Zi-ka-wei	Aug. - Oct., 1925	" 23, 1925
Saskatoon	Seismograms Nov. 17, 1925	" 23, 1925
Cartuja	August, 1925	" 23, 1925
Algiers	October, 1925	" 24, 1925
Halifax	Seismogram Nov. 16, 1925	" 24, 1925
Rome	Year 1922 and October, 1925	" 24, 1925
Zürich	Sammel Bulletin No. 51	" 28, 1925
Washington	July, 1925	" 30, 1925

DOMINION OBSERVATORY

OTTAWA - CANADA.

R. Meldrum Stewart,
Director.Ernest A. Hodgson,
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W. W. Doxsee,
Assistant Seismologist.



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

$\phi = 45^\circ 23' 38''$ N. $\lambda = 75^\circ 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time Correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch.....	I	Photographic	Air	15 mm. per min.	200 g.
Bosch.....	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw.....	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw.....	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation.....	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer.....	W	Smoked Sheet	Air	15 mm. per min.	80 kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	5.3	r	120	2:1	COMP.	displ't	May 7, 1924
I.....	6.0		120	15:1		44 mm.	May 7, 1924
II.....	12.0		250	20:1		44 mm.	Nov. 28, 1924
17.....	37.6		----	13:10			Jan. 7, 1924
23.....	36.9		----	13:10			Jan. 7, 1924
D.....	5.5		160	4:1			Aug. 22, 1923
D.....							
W.....							

Nov. 1, 1925

Nov. 9, 1925

61

From..... to..... No.....

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2269 Nov. 1	eN?	15-24-49						Local
	eN?	15-25-39						
	iN	15-26-00						
	eL _E	15-26-03						
	eL _N	15-26-23						
	M _N	15-27-15	10		6			
	M _E	15-27-47	8	3				
	M _E	15-29	10	3				
F	15-33 ca.							
2270 Nov. 6	i?	14-15-38						Sheets were being changed at time of quake.
	eL	14-26						
	L	14-29	20	3	2			
	L _N	14-32	20		3			
	L _N	14-34	15		2			
	F	15-03 ca.						
2271 Nov. 6	eL	16-12						
	L	16-17	15	1-	1-			
	F	16-26 ca.						
2272 Nov. 9	eL _E	11-04						On EW component only.
	F	11-16						

DOMINION OBSERVATORY
OTTAWA - CANADA
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Ernest A. Hodgson,
Seismologist;
W. W. Dohsee,
Assistant Seismologist.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



From Nov. 9, 1925 to Nov. 10, 1925 No. 62

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2273 Nov. 9	eL _N F	13-12 13-15						
2274 Nov. 9	iL _E iL _N M L F	20-08-50 20-08-56 20-09-35 20-10-20 to 20-13 20-21 ca.	12 9	5 2	9 2		Apparently from a nearby epicentre.	
2275 Nov. 9 " 10	eL _E ? L F	23-46 23-53 to 0-02 0-07 ca.	?	1-	1-			
2276 Nov. 10	eL L _E F	6-00 6-10 to 6-15 6-25 ca.	?	1-				
2277 Nov. 10	O eP PR ₁ PR ₂ eS SR ₁ SR ₂ eL M _E M _N M _E M _N M _E M _N M _E L _N L _E L _N F	13-59-10 14-12-38 14-16-43 14-18-57 14-24-00 14-30-12 14-34-38 14-44-20 14-57 15-01.5 15-03 15-09 15-21.5 15-23 15-31 15-28 to 16-00 15-51 to 16-26 16-01 to 16-21 17-45 ca.				10550	The phase SR ₁ at 14-30-12 sharply defined and of marked amplitude.	

W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Nov. 10, 1925 to Nov. 14, 1925 No. 63

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2278 Nov. 13	O	12-22-48					8700	May be a composite record of two quakes.
	eP	12-34-45						
	i	12-37-44						
	e	12-41-52						
	iS	12-44-40						
	eSR ₁₁ ?	12-50-20						
	iE	12-51-16						
	eN	12-52-00						
	eL	13-01						
	M	13-25	18	45	39			
	M _E	13-37.5	18	36				
	M _N	13-44	16		25			
	L	14-03 to 14-57	16	6	6			
F	16-25 ca.							
2279 Nov. 14	e _N	9-05						
	eL	9-21.5						
	L _E	9-30	?	1-				
	L _N	9-35	?		1-			
	F	9-43						
2280 Nov. 14	e	10-33.5						
	e	10-40						
	e _N	10-49						
	eL	10-56						
	L _E	11-10	20	1-				
	L	11-19 to 11-28	17	1-	1-			
	F	11-55 ca.						
2281 Nov. 14	e	15-29						
	eL _E ?	15-33.5						
	L	15-41 to 15-54	?	1-	1-			
	F	16-13						
2282 Nov. 14	iE	22-48-36						Better marked on EW.
	eL	22-53						
	L _E	22-55	22	1-				
	F	23-10						

W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Nov. 14, 1925 to Nov. 19, 1925. No. 64

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2283 Nov. 16	O	11-54-50					4040	
	iP	12-02-11						
	iPR ₂	12-03-30						
	iS ²	12-08-00						
	iSR _{1N}	12-10-00						
	iSR ₂	12-10-32						
	iLN	12-12-30						
	iLE	12-13-16						
	MN	12-16-00	13		95			
	ME	12-17-12	13	108				
	MN	12-18-20	12		73			
	ME	12-22-00	9	36				
	MN	12-33-26	9		20			
	LE	12-41 to 12-57	9	7				
	LE	12-57 to 13-25						
	LN	13-00 to 13-30						
F	14-15 ca.							
2284 Nov. 16	eL	17-45				6120		
	F	17-55						
2285 Nov. 17	O	0-17-50				6120		
	iP _N	0-27-28						
	iPR _{1N} ?	0-29-50						
	iN	0-32-30						
	iS	0-35-11						
	eSR _{1N}	0-39-26						
	eSR _{2E} ?	0-41-12						
	eL	0-45-10						
	ME	0-48	22	10				
	LE	0-51	15	4				
	MN	0-52	18		7			
	LN	0-55 to 1-00	18		5			
	LN	1-04 to 1-11	15		4			
	LE	1-13	15	2				
F	2-15 ca.							
2286 Nov. 19	eN	16-20-15				Epicentre nearby.		
	iL	16-20-34						
	MN	16-21-24	10		7			
	ME	16-21-30	10	2				
	LN	16-23	8		2			
	LE	16-24	8	2				
F	16-55							

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OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Nov. 19, 1925 to Nov. 30, 1925 No. 65

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2287 Nov. 19	eL _N	19-59						Much better marked on LW component.
	eL _E	20-05						
	L _N	20-04 to 20-13	15		1-			
	L _E	20-08	17	2				
	L _E	20-20 to 20-31	15	1-				
	F	20-48						
2288 Nov. 27	eL _E	15-34						
	L	15-39	17	1	1-			
	L _E	15-43 to 15-48	17	1-				
	F	16-05 ca.						
2289 Nov. 28	eL _N	6-49.6						
	L _N	6-52	15		1-			
	F	6-56						
2290 Nov. 28	O	(8-24-47)					(1520)	
	eP _E ?	8-28-03						
	eS _E ?	8-30-42						
	eL _E	8-31-28						
	M _E	8-36	15	2				
	M _N	8-37	15		1			
	L _N	8-38 to 8-40	12		1-			
	L _E	8-39 to 8-42	12	1-				
	F	9-04						
2291 Nov. 28	O	12-33-28					3270	
	iP	12-39-49						
	iS	12-44-51						
	eSR _{1E}	12-46-04						
	eSR _{2E}	12-46-29						
	cL	12-47-12						
	L _N	12-48 to 12-58	8		2			
	M _E	12-49-30	6	5				
	F	13-23						
2292 Nov. 28	e _E	16-33.1						
	e	16-39-20						
	e	16-43-41						
	i _E	16-51-08						
	eL _N	17-04						
	M _N	17-16	17		6			
	M	17-24	17	12	7			
	M _E	17-32	17	13				
	L	17-44 to 18-04	15	4	2			
	F	19-25 ca.						

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SEISMOLOGIC STATION, DOMINION OBSERVATORY

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SEISMOLOGIC BULLETINS RECEIVED

DECEMBER 1925

*

We acknowledge, with thanks, the receipt of the following
logic publications and bulletins.

STATIONS	BULLETINS	RECEIVED
New Orleans.....	Oct. 5 - Nov. 26, 1925.....	Dec. 1, 1925
San Fernando.....	Sept. and Oct., 1925.....	" 1, 1925
Denver.....	Oct. 22 - Nov. 30, 1925.....	" 2, 1925
Halifax.....	Seismograms Nov. 28, 1925...	" 3, 1925
Ste. Anne.....	Seismograms Nos. 178 to 184..	" 3, 1925
Zi-ka-wei.....	October, 1925.....	" 3, 1925
Paris.....	October, 1925.....	" 7, 1925
Strasbourg.....	October, 1925.....	" 7, 1925
Helwan.....	October, 1925.....	" 7, 1925
Zurich.....	Sammel Bulletin No. 52.....	" 9, 1925
Osaka.....	Aug. 31 to Nov. 13, 1925.....	" 9, 1925
Ste. Anne.....	Seismograms Nos. 185 to 191..	" 9, 1925
Rome.....	Oct. 29 to Nov. 11, 1925.....	" 10, 1925
Fordham.....	November, 1925.....	" 11, 1925
Victoria.....	July, 1925.....	" 11, 1925
Toronto.....	July, 1925.....	" 11, 1925
Halifax.....	Seismograms Dec. 10, 1925...	" 14, 1925
Natural Resources..	December, 1925.....	" 16, 1925
Matsuyama.....	July to November, 1925.....	" 21, 1925
Cheltenham.....	April, May and June, 1925...	" 21, 1925
Sitka.....	April, May and June, 1925...	" 21, 1925
Cambridge.....	April, May and June, 1925...	" 21, 1925
Tucson.....	April, May and June, 1925...	" 21, 1925
Chicago.....	April, May and June, 1925...	" 21, 1925
Lu.....	April, May and June, 1925...	" 21, 1925
.....	August, 1925.....	" 22, 1925
Rome.....	Nov. 12 to Nov. 25, 1925....	" 28, 1925
Zagreb.....	November, 1925.....	" 28, 1925
Barcelona.....	May 5 to July 6, 1925.....	" 28, 1925
Ste. Anne.....	Seismograms Nos. 192 to 211..	" 30, 1925

DOMINION OBSERVATORY,
OTTAWA - CANADA.

R. Meldrum Stewart,
Director.

Ernest A. Hodgson,
Seismologist;
W. W. Doxsee,
Assistant Seismologist.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From to No. 63.....

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
DELAYED SEISMOGRAMS								
HALIFAX RECORD								
2283 Nov.16	O	11-54-40					4880	
	eP _E	12-03-00						
	iPR _{1E}	12-05-00						
	eS	12-09-36						
	eSR ₁	12-13-00						
	eL	12-15-00						
	M _{1NE}	12-19-40						
	M _{2L}	12-23-50						
	M _{2N}	12-28-50						
	F	13-00 ca.						
SASKATOON RECORD								
2283 Nov.16	O	(11-55-12)					3680	Time uncertain.
	eP	(12-02-06)						
	ePR _{2N}	(12-03-27)						
	iS	(12-07-34)						
	eL	(12-12)						
	M _{1NE}	(12-16)						
	M _{2E}	(12-19)						
	F	(12-45)						

W. H. Lawrence



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

R. MELDRUM STEWART, *Director*

ERNEST A. HODGSON, *Seismologist*

W. W. DOXSEE, *Assistant Seismologist*

$\phi = 45^{\circ} 23' 38''$ N. $\lambda = 75^{\circ} 42' 57''$ W. $h = 83$ m.

Lithologic foundation: boulder clay over limestone (Ordovician). Time: Mean Greenwich, midnight to midnight.
Time Correction: within .25s.

INSTRUMENTS—FIXED CONSTANTS

INSTRUMENT	SYMBOL	REGISTRATION	DAMPING	PAPER SPEED	MASS
Bosch	I	Photographic	Air	15 mm. per min.	200 g.
Bosch	II	Photographic	Magnetic	15 mm. per min.	200 g.
Milne-Shaw	17	Photographic	Magnetic	8 mm. per min.	1 lb.
Milne-Shaw	23	Photographic	Magnetic	8 mm. per min.	1 lb.
Deformation	D	Photographic	Air	17 mm. per min.	20 g. ca.
Spindler-Hoyer	W	Smoked Sheet	Air	15 mm. per min.	80 kgm.

INSTRUMENTS—DETERMINED CONSTANTS

INSTRUMENT	T ₀	r	v	ε	COMP.	DETERMINED
I						1" tilt =
II	5.3		120	2:1	NS	displ't
17	6.0		120	15:1	EW	May 7, 1924
23	12.0		250	20:1	EW	44 mm. Nov. 28, 1924
D	12.0		250	20:1	NS	44 mm. Nov. 28, 1924
D	37.6		---	13:10	EW	Jan. 7, 1924
W	36.9		---	13:10	NS	Jan. 7, 1924
	5.5		160	4:1	Vert	Aug. 22, 1923

From Dec. 1, 1925 to Dec. 9, 1925 No. 67

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2293 Dec. 6	e	16-26-41						Local.
	eL	16-28-17						
	LE	16-29-00	6	2				
	LN	16-29-24	6		5			
	L	16-31.5 to 16-34	8	2	3			
	F	Micros.						
2294 Dec. 7	eL	9-18						
	eL	9-22						
	LE	9-26	17	2				
	LN	9-30	17		2			
	LE	9-32	15	2				
	LN	9-34 to 9-38	15		2			
	F	10-10 ca.						
2295 Dec. 9	eL	11-53-15						
	LN	11-56-53	8		1			
	LE	11-57-24	10	1				
	F	12-06						

W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Dec. 9, 1925 to Dec. 11, 1925 No. 68

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2296 Dec. 9	eL L F	19-57 20-09 20-27	17	1	1			Trace only.
2297 Dec. 10	O eP iS eSR ₂ iL M _E M _N M _E L _N L _E L F	14-14-36 14-21-30 14-26-58 14-29-10 14-31 14-35 14-36 14-38 14-40 o 15-25 14-56 to 15-24 15-30 to 16-05 18-10 ca.	17 17 15 15 15 15 15 15 15 15 15 15	261 214 3	378 29 7 4		3680	
2298 Dec. 10	eL L F	19-48 19-51 19-57	20	1	1			
2299 Dec. 10	e e _E eL M _E M _N L _E L _N F	20-46-56 20-50-49 20-53-10 20-54.5 20-56 20-56 to 21-05 20-57 to 21-02 21-25	15 15 13 13 13	3 1	5 2			
2300 Dec. 11	e _N eL M _N M _E L _E L _M F	1-03-38 1-13 1-23 1-24.5 1-29 to 1-37 1-32 Lost in next quake.	15 15 15 15	3 1	4 2			
2301 Dec. 11	i eL M L F	(1-40-08) 1-44-24 1-50 1-52 to 2-12 2-40	15 12	7 2	18 3			

W. W. D.

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SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Dec. 11, 1925 to Dec. 23, 1925 No. 69

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2302 Dec. 11	e?	12-50-00						
	e	12-53-00						
	eL	12-55.5						
	L	12-59	15	1	3			
	F	13-10 ca.						
2303 Dec. 11	eE	19-35.6						
	eLN	19-38-30						
	LN	19-40	17		1-			
	F	19-49						
2304 Dec. 11	eL	8-03						
	LN	8-06	10		1-			
		8-20						
2305 Dec. 14	eN	18-29						
	eL	18-32.6						
	F	18-40						
2306 Dec. 17	eL	3-51						Record obscured by micros.
	F	3-56						
2307 Dec. 19	O	(16-09-35)					(9280)	
	iP	(16-22-02)						
	iS	16-32-26						
	iSR ₁	16-37-57						
	eL _E	16-48						
	eLN	16-49-30						
	ME	16-53	24	36				
	M	16-55	17	15	25			
	F	Lost in micros.						
2308 Dec. 22	iPN?	5-34-54						
	eE	5-45.5						
	eL _E	5-58.5						
	LE	6-06	26	8				
	LN	6-07	30		4			
	L	6-13.5	17	9	5			
	LN	6-19	17		8			
	L _E	6-30	15	2				
	F	7-27 ca.						
Dec. 23		11-14-42						
	e	11-17.8						
	eL	11-21-24						
	M	11-23.4	5	4	4			
	L	11-25 to						
	F	11-29	?	1-	1-			
2310 Dec. 23	eL	18-27.4						
	F	18-35						

W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Dec. 23, 1925 to Dec. 31, 1925 No. 70

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2311 Dec. 27	eL _E	11-34.5						Early phases lost in micros.
	eL _N	11-36.6						
	L _E	11-41	24?	4				
	L _N	11-43	24		4			
	L _N	11-58	?			1-		
	F	12-07 ca.						
2312 Dec. 27	iE	17-54-53						Micros mask early phases.
	iN	17-55-07						
	iE	17-57-22						
	eL	18-00-15						
	M _E	18-05-30	17	10				
	M _N	18-11	17		6			
	F	18-51 ca.						
	L	20-17						Trace only.
		20-26						
2314 Dec. 28	eL	22-50.6						
	F	22-57						
2315 Dec. 29	e	2-35						
	e	2-43						
	e	2-47						
	eL _E	2-51						
	M _N	2-58.5	17		6			
	L _N	3-08	17		3			
F	3-25 ca.							
2316 Dec. 29	eN?	16-39-17						
	e	16-45-17						
	eL	17-10						
	L _N	17-28	?			1-		
	F	17-50 ca.						
2317 Dec. 31	eE	9-11-37						
	e _E	9-14-40						
	e	9-20-18						
	eE	9-28						
	eN	9-31						
	eL _N	9-35						
	eL _E	9-36-20	40					
	L	9-43	17	5	3			
	L _N	9-59	15		1-			
	L _E	10-04	5	1-				
	F	11-13 ca.						

W. W. Douse