



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.	l ^u tilt	DETERMINED
I.....	5.2		120	2:1	NS	displ't	Jan. 31, 1927
II.....	5.9		120	10:1	EW		Jan. 31, 1927
17.....	12.0		250	20:1	EW	43 mm.	Feb. 12, 1926
23.....	12.0		250	20:1	NS	42 mm.	Feb. 12, 1926
D.....	35.7		---	13:10	EW		Feb. 19, 1926
D.....	36.8		---	13:10	NS		Feb. 19, 1926
W.....	5.1		160	4:1	Vert.		Jan. 31, 1927

From Jan. 1, 1927 to Jan. 2, 1927 No. 1

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2679 Jan. 1	e	8-32.8						
	eL	8-34						
	M _{1N}	8-35-45	9		7			
	M _{1E}	8-36-48	9	7				
	M _{2N}	8-36-52	8		6			
	F	9-04 ca.						
2680 Jan. 1	e _N	9-29.5						
	eL	9-30.5						
	M _{1N}	9-32-30	8		8			
	M _{1E}	9-33-40	9	7				
	M _{2N}	9-33-45	8		8			
	F	10-03 ca.						
2681 Jan. 1	eL	13-15.8						
	L _N	13-17	6		2			
	L _E	13-18-20	9	2				
	F	13-23 ca.						
2682 Jan. 2	eE	15-02						
	eL	15-13						
	L _N	15-16	20		2			
	L _E	15-17	20	4				
	F	15-42						

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SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Jan. 2, 1927 to Jan. 19, 1927 No. 2

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2683 Jan. 4	eL M ₁ E M ₁ N F	0-09.3 0-10-24 0-10-40 0-18 ca.	(8) (8)	(4)	(7)		Preliminary phases obscured by micros.	
2684 Jan. 5	eL L F	23-20 23-21.5 23-26	8	1-	1			
2685 Jan. 7	eL M F	9-33 9-35 9-42 ca.	7	3	6			
2686 Jan. 7	eE? eL LE F	10-59 11-08.5 11-12 11-30 ca.	19	4				
2687 Jan. 12	eLE L LE F	22-33 22-36 22-43 23-13	24 17	4 2	1-		Barely discernible on NS component.	
2688 Jan. 14	e F	2-51.6 2-57					Irregular trace.	
2689 Jan. 16	eLN F	19-23.6 19-27	?		1-			
2690 Jan. 17	eN iE eL L LN F	22-21-40 22-22-02 22-36 22-54 23-01 23-38	20 16	2	3 1			
2691 Jan. 19	eL M ₁ E F	0-09-17 0-11-52 0-14 ca.	8	2				
2692 Jan. 19	eL M ₁ E F	0-15 0-17-36 0-21 ca.	8	2				
2693 Jan. 19	eE eN eLN? M ₁ E F	1-29.0 1-30.2 1-36.7 1-39-30 1-49	9	3				



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Jan. 19, 1927 to Jan. 24, 1927 No. 3

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2694 Jan. 19	eL	2-41						
	M ₁ E	2-45-08	9	4				
	F	2-51						
2695 Jan. 19	e	5-03						Trace only.
	F	5-08						
2696 Jan. 20	C	10-57-32					6550	
	eP _N	11-07-35						
	iS _E	11-15-41						
	i	11-16-30						
	iE	11-17-38						
	eL	11-25.8						
	L	11-40	15	1	1-			
	F	12-25 ca.						
2697 Jan. 24	eE	1-25-45						
	eL	1-31-30						
	eN	1-34.0						
	oE	1-35-50						
	eSR?	1-42-24						
	eL _N	1-56.4						
	eL _E	2-02						
	M ₁ N	2-08	20		19			
	M ₁ E	2-12	17	80				
	M ₂ N	2-16	17		21			
	M ₂ E	2-20	15	58				
	M ₃ E	2-27	15	37				
	M ₃ N	2-32	15		12			
	M ₄ E	2-33	15	27				
	L _E	2-41 to						
		2-49	15	8				
	L _N	2-43 to						
		3-03	Irreg.					
L _E	2-54 to							
	3-19	Irreg.						
L _N	3-07	15		2				
L _E	3-20 to							
	3-32	17	6					
F	4-52							
2698 Jan. 24	eE	7-08-15						
	e _L	7-12-30						
	e	7-19.5						
	eL _N	7-33						
	eL _E	7-39						
	L _N	7-43	20		2			
	M ₁ E	7-49	17	9				
	L _N	7-52	17		2			
	L _E	8-00	17	3				
	L _E	8-14	15	1				
	L _E	8-59	17	1				
	F	9-39						

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From Jan. 24, 1927 to Jan. 31, 1927 No. 4

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2699 Jan. 25	eLE F	9-02 9-07						
2700 Jan. 25	eE F	13-14.2 13-19					Irregular waves of small amplitude.	
2701 Jan. 25	eE? eE	23-41 23-44						
Jan. 26	e	23-48.4						
	eL	0-08						
	M1E	0-17	17	7				
	LN	0-20	17		2			
	LN	0-37	15		1-			
	M2E F	0-38 1-28	15	5				
2702 Jan. 26	eE?	16-06.7						
	eLN	16-29						
	eLE	16-33						
	LE	16-41	20	8				
	LN	16-46	17		2			
	LE	16-50	17	4				
	L	17-02	15	2	1			
	L	17-47	17	1	1-			
	F	18-00 ca.					May be another quake.	
2703 Jan. 27	eLE	(19-17)	17	1	1-		Hour signal failed.	
	L	(19-22)						
	F	(19-46)						
2704 Jan. 29	eE	19-17					Recorded on EW component only.	
	eLE	19-34						
	LE	19-42	20	1				
	LE	20-32	15	1-				
	F	20-54						
2705 Jan. 30	eLE	9-40	20	1			No trace on NS. component.	
	LE	9-50						
	F	10-12						
2706 Jan. 31	eE	0-43.6						
	eL	1-02						
	LE	1-10	19	1				
	LN	1-14	15		1-			
	F	1-30 ca.						

W W House

January, 1927.

International
Seismological
Centre

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

STATIONS	BULLETINS	RECEIVED
Washington.....	June, 1926.....	Jan. 4, 1927
Ei-ka-wei.....	Oct. 13-27, 1926.....	" 4, 1927
Cartuja.....	Aug. 30 to Sept. 30, 1926.....	" 4, 1927
Halifax.....	Records Nov. 23-24, Dec. 31 '26.	" 7, 1927
Chile.....	October and November, 1926...	" 7, 1927
Paris.....	November, 1926.....	" 7, 1927
Strasbourg.....	November, 1926.....	" 7, 1927
La Plata.....	November, 1926.....	" 7, 1927
Toledo.....	May and June, 1926.....	" 10, 1927
Almeria.....	June, 1926.....	" 10, 1927
Malaga.....	May and June, 1926.....	" 10, 1927
Alicante.....	May and June, 1926.....	" 10, 1927
Ste. Anne.....	Records Nos. 549 to 565.....	" 10, 1927
Osaka.....	Oct. 30 to Nov. 27, 1926.....	" 11, 1927
Matuyama.....	Nov. 18 to Dec. 9, 1926.....	" 11, 1927
Rome.....	Nov. 26 to Dec. 9, 1926.....	" 11, 1927
Manila.....	January to April, 1925.....	" 12, 1927
Wellington, N.Z.....	Dec. 1924; Jan. to Apr. 1925..	" 12, 1927
Sydney, N.S.W.....	Oct. 1 to Oct. 29, 1926.....	" 13, 1927
Piatigorsk.....	Jan. to Mar. 1926.....	" 14, 1927
U.S.C. and G. Survey..	Seis. Report Apr-Sept. 1925..	" 15, 1927
Beograd.....	Oct. 21-26, Nov. 5; Dec. 16-17..	" 15, 1927
Ste. Anne.....	Jan. 1-7, 1927.....	" 17, 1927
Wardham.....	Oct. 1 to Dec. 31, 1926.....	" 18, 1927
Baku.....	April, May, 1926.....	" 19, 1927
Makeevka.....	April, May, 1926.....	" 19, 1927
Sverdlovsk.....	April, May, 1926.....	" 19, 1927
Pulkovo.....	May, 1926.....	" 19, 1927
Kucino.....	April, May, 1926.....	" 19, 1927
Leningrad.....	April, 1926.....	" 19, 1927
Irkutsk.....	April, May, 1926.....	" 19, 1927
Piatigorsk.....	Jan. to Mar. 1926.....	" 19, 1927
Tachkent.....	Jan. to Mar. 1926.....	" 19, 1927
Ste. Anne.....	Records Nos. 569-575.....	" 19, 1927
Toronto.....	August, 1926.....	" 21, 1927
Sydney, N.S.W.....	Nov. 2 to Nov. 23, 1926.....	" 21, 1927
Batavia.....	June 28 to Sept. 30, 1926...	" 21, 1927
Zürich.....	January 4, 1927.....	" 22, 1927
Rome.....	Dec. 10-23, 1926.....	" 25, 1927
Manila.....	September, 1926.....	" 25, 1927
Helwan.....	October - November, 1926....	" 25, 1927
Natural Resources...	January, 1927.....	" 25, 1927
Saskatoon.....	Records Dec. 20 '26-Jan. 19 '27.	" 25, 1927
Zagreb.....	December, 1926.....	" 27, 1927
Domodossola.....	Oct., Nov. and Dec., 1926...	" 27, 1927
Algiers.....	December, 1926.....	" 29, 1927
Halifax.....	Record January 23, 1927.....	" 31, 1927

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Chile.....	October and November, 1926...	" 7, 1927
Paris.....	November, 1926.....	" 7, 1927
Strasbourg.....	November, 1926.....	" 7, 1927
La Plata.....	November, 1926.....	" 7, 1927
Toledo.....	May and June, 1926.....	" 10, 1927
Almeria.....	June, 1926.....	" 10, 1927
Malaga.....	May and June, 1926.....	" 10, 1927
Alicante.....	May and June, 1926.....	" 10, 1927
Ste. Anne.....	Records Nos. 549 to 565.....	" 10, 1927
Osaka.....	Oct. 30 to Nov. 27, 1926.....	" 11, 1927
Matuyama.....	Nov. 18 to Dec. 9, 1926.....	" 11, 1927
Rome.....	Nov. 26 to Dec. 9, 1926.....	" 11, 1927
Manila.....	January to April, 1925.....	" 12, 1927
Wellington, N.Z.....	Dec. 1924; Jan. to Apr. 1925..	" 12, 1927
Sydney, N.S.W.....	Oct. 1 to Oct. 29, 1926.....	" 13, 1927
Piatigorsk.....	Jan. to Mar. 1926.....	" 14, 1927
U.S.C. and G. Survey..	Seis. Report Apr-Sept. 1925..	" 15, 1927
Beograd.....	Oct. 21-26, Nov. 5; Dec. 16-17..	" 15, 1927
Ste. Anne.....	Jan. 1-7, 1927.....	" 17, 1927
Fordham.....	Oct. 1 to Dec. 31, 1926.....	" 18, 1927
Baku.....	April, May, 1926.....	" 19, 1927
Makeevka.....	April, May, 1926.....	" 19, 1927
Sverdlovsk.....	April, May, 1926.....	" 19, 1927
Pulkovo.....	May, 1926.....	" 19, 1927
Kucino.....	April, May, 1926.....	" 19, 1927
Leningrad.....	April, 1926.....	" 19, 1927
Irkutsk.....	April, May, 1926.....	" 19, 1927
Piatigorsk.....	Jan. to Mar. 1926.....	" 19, 1927
Tachkent.....	Jan. to Mar. 1926.....	" 19, 1927
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Batavia.....	June 28 to Sept. 30, 1926...	" 21, 1927
Zürich.....	January 4, 1927.....	" 22, 1927
Rome.....	Dec. 10-23, 1926.....	" 25, 1927
Manila.....	September, 1926.....	" 25, 1927
Helwan.....	October - November, 1926....	" 25, 1927
Natural Resources...	January, 1927.....	" 25, 1927
Saskatoon.....	Records Dec. 20 '26-Jan. 19 '27.	" 25, 1927
Zagreb.....	December, 1926.....	" 27, 1927
Domodossola.....	Oct., Nov. and Dec., 1926...	" 27, 1927
Algiers.....	December, 1926.....	" 29, 1927
Halifax.....	Record January 23, 1927.....	" 31, 1927

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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.....	5.2		120	2:1	NS	Jan. 31, 1927
II.....	5.9		120	10:1	EW	Jan. 31, 1927
17.....	12.0		250	20:1	LW	Feb. 8, 1927
23.....	12.0		250	20:1	NS	Feb. 13, 1927
D.....	36.8		---	13:10	EW	Feb. 15, 1927
D.....	37.0		---	13:10	NS	Feb. 15, 1927
W.....	5.1		160	4:1	Vert	Jan. 31, 1927

From..... February 1, 1927..... to..... February 1, 1927..... No..... 5.....

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2707 Feb. 1	iN	4-09-04						
	e	4-13-52						
	eL	4-20						
	F	4-35						
2708 Feb. 1	iN	18-17-00						
	eE	18-22-19						
	eN	18-23.8						
	eE	18-26-34						
	eE	18-28-30						
	e	18-33-30						
	eL	18-53						
	M ₁ E	19-02-20	22	38				
	M ₁ N	19-04	20		20			
	L ₁ N	19-10	20		7			
	M ₂ E	19-13-20	17	12				
	LE	19-25	15	5				
	L ₁ N	19-55	22			1-		
	LE	19-59	20	2				
F	20-40 ca.							

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Feb. 1, 1927 to Feb. 15, 1927 No. 6

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks	
				A _E	A _N	A _Z			
		h m s	s	μ	μ	μ	km.		
2709 Feb. 3	eE	4-37							
	eL	4-42							
	L	4-48	20	5	2				
	L	4-55	17	2	2				
	LE	5-42	30					Probably another quake.	
	L	5-47	22	3	1-				
	F	6-15							
2710 Feb. 4	eE?	3-15.4							
	eE	3-26-15							
	eN	3-30.4							
	eL	3-40							
	LE	3-51	22	4					
	LE	3-57	15	1					
	LE	4-15	15	1					
F	4-29								
2711 Feb. 11	eL	1-53							
	L	1-55	15	1-	1-				
	F	2-04							
2712 Feb. 11	eL	3-57	12	1-	2			Local?	
	F	4-02							
2713 Feb. 11	eL	17-22							
	L	17-33	17	1-	1-				
	L	17-41	15	1-	1-				
	F	17-52							
2714 Feb. 12	e	7-20-38							
	eL	7-30							
	L	7-35	8	1-	1-				
	F	7-44							
2715 Feb. 12	eL	9-16						Local?	
	F	9-21							
2716 Feb. 14	e	4-02-26							
	eL	4-09							
	L	4-15	22	2	2				
	L	4-19	20	2	2				
	L	4-21	17	1	2				
	LE	4-24	15	1-					
	LN	4-28	15		1-				
F	5-04 ca.								
2717 Feb. 15	eL	15-53							
	LE	15-59	15	1-					
	F	16-10							



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Feb. 15, 1927 to Feb. 19, 1927 No. 7

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2718 Feb. 16	eL F	0-12 0-19					Trace only.	
2719 Feb. 16	O eP iS SR ₂ iL? M ₁ E M ₁ N M ₂ N M ₂ E L L L F	1-35-17 1-47-19 1-57-19 2-06-28 2-13 2-30 2-32 2-43 2-45 3-00 3-49 4-18 6-20 ca.	15 17 15 15 15 15 15 15 15 15	36 19 8 10 3	63 19 7 8 4	8800		
2720 Feb. 16	e eL LE LN F	8-58-40 9-14 9-28 9-32 10-06 ca.	15 15	1	1			
2721 Feb. 16	e e eLN eLE LE LN LE F	12-14-26 12-23-45 12-32.6 12-35 12-43 12-45 12-53 13-27	15 15 15	2 2	2			
2722 Feb. 16	e eL LE LN F	14-30 14-38 14-49 14-53 15-18	15 15	1	1			
2723 Feb. 18 Feb. 19	eN eL LE LN F	23-34 23-53 23-59 0-02 0-27	24 30	2	1			
2724 Feb. 19	eL LE LN F	4-37 4-43 4-48 4-56	? 17	1-	1-			

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SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Feb. 19, 1927 to Feb. 27, 1927 No. 8

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2725 Feb. 21	eL	13-23						
	LN	13-35	24		2			
	LE	13-41	20	1-				
	LN	13-45	20		1			
	F	14-05						
2726 Feb. 22	e	20-43						
	eL	20-51						
	L	21-00	?	1-	1-			
	F	21-13						
2727 Feb. 23	eL	3-45						
	LE	3-49	20	1-				
	LN	3-51	(20)		1-			
	F	3-59						
2728 Feb. 24	e	4-26-12						
	eN	4-30-00						
	eL	4-32-30						
	M _{1E}	4-35-08	13	5				
	M _{1N2E}	4-36-24	13	3	10			
	LN	4-40	11		1			
2729 Feb. 25	F	5-09						
	e _E ?	16-13-30						
	e	16-19-24						
	eL	16-37						
	L	16-46	20	2	3			
	L	17-00	15	1	1			
2730 Feb. 26	F	17-58						
	eE	2-41-15						
	eL	2-56						
	LN	3-03	24		2			
	LE	3-05	20	3				
	LE	3-15	17	1				
2731 Feb. 27	F	3-43						
	e	4-11-13						
	eL	4-15.5						
	M _{1N}	4-19-10	13		7			
	M _{2N}	4-20-40	11		6			
	M _{1E}	4-20-40	11	6				
	LE	4-22-24	8	3				
	LN	4-23	10		2			
F	4-51							



OTTAWA, CANADA

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From Feb. 27, 1927 to Feb. 28, 1927 No. 9

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2732 Feb. 28	O	14-08-01					8150	
	iPN	14-19-30						
	iS	14-28-57						
	eE	14-33.5						
	SR _{1N}	14-34-24						
	SR _{2?}	14-37-27						
	eL	14-43						
	LE	14-46	24	6				
	LN	14-49	24		11			
	LN	14-51	19		6			
	LN	14-55	15		3			
	LE	14-59	17	3				
	LE	15-13	15	2				
	LN	15-15	15		2			
L	16-00	17	1	1				
F	17-12 ca.							

W W Poese



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From to No.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
<u>SASIBATOON BULLETIN</u>								
2719 Feb. 16	O	1-35-19					6710	
	IP	1-45-31						
	IS	1-53-45						
	eL?	2-06						
	L	2-14						
	L	2-26						
	F	2-40 ca.						
								W.M.D.



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SEISMOLOGIC STATION, DOMINION OBSERVATORY

From to No.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
STE. ANNE BULLETIN								
2719 Feb. 16	O	1-35-32	15	NE-SW 17			8700	
	iP	1-47-29						
	iS	1-57-24						
	eL	2-13						
	M ₁	2-32						
	L	2-40 to						
F	4-15							
		6-00 ca.						

W.W.D.

SEISMOLOGICAL BULLETINS RECEIVED

February, 1927.

**

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

STATIONS	BULLETINS	RECEIVED
Matuyama.....	Dec. 23-31, 1926.....	February 1
Ste. Anne.....	Records Nos. 576-587.....	" 3
Toronto.....	September, 1926.....	" 5
Victoria.....	August - September, 1926.....	" 5
Strasbourg.....	December, 1926.....	" 5
Paris.....	December, 1926.....	" 5
Zi-ka-wei.....	Oct. 28 - Nov. 27, 1926.....	" 5
Manila.....	Bulletin for May to Aug. 1925.	" 5
Berkeley and Lick.	Apr. - Sept. 1925; Oct.-Mar. '26	" 7
Rome.....	Dec. 24-31 '26; Jan. 1-7, 1927..	" 7
Athens.....	June - August, 1925.....	" 10
Ste. Anne.....	Records, Nos. 589-592.....	" 10
Halifax.....	Records Feb. 4-5 '27 (Micros)..	" 10
St. Louis.....	Oct. 3 '26 - Jan. 24 '27.....	" 11
Santa Clara.....	July 25/26 - Dec. 27/26.....	" 11
Denver.....	Oct. 1-31, 1926.....	" 11
Spokane.....	Oct. 13-Dec. 30/26.....	" 11
Manila.....	October 1926.....	" 14
Zi-ka-wei.....	Dec. 5 to Dec. 25, 1926.....	" 15
Fordham.....	January, 1927.....	" 15
Kobe.....	July 1 to Sept. 30, 1926.....	" 15
Barcelona.....	Feb. 26 to Aug. 31, 1926.....	" 16
Wellington.....	May to August 1925.....	" 18
Ste. Anne.....	Records Feb. 5 - 11, 1927.....	" 21
La Plata.....	December, 1926.....	" 21
Halifax.....	Record Feb. 15, 1927.....	" 23
Saskatoon.....	Jan. 19 - Feb. 10, 1927.....	" 23
La Paz (Bolivia)..	Oct. 11 - December 31, 1926...	" 23
Sucre (Bolivia)...	Oct. to December, 1926.....	" 23
Wellington, N.Z...	August - December, 1925.....	" 23
Ste. Anne.....	Records Feb. 12-18, 1927.....	" 25
Zagreb.....	January 1927.....	" 25
Melbourne	Oct. - December, 1926.....	" 25
San Fernando.....	Oct. - December, 1926.....	" 25
Hamburg.....	Oct. - December, 1926.....	" 25
Cornell University	July to December 1926.....	" 25
Valle di Pompei...	May - August, 1925.....	" 25
St. Louis.....	January 18 - June 29, 1925....	" 25
Potsdam.....	Jan. 1 - Dec. 31, 1924.....	" 25
Rome.....	Jan. 8 - 21, 1927.....	" 26
Matuyama.....	Jan. 8 - 15, 1927.....	" 26
Ravensburg.....	Oct. 3 - Dec. 17, 1926.....	" 26
Hohenheim.....	Oct. 3 - Dec. 17, 1926.....	" 26
Georgetown.....	Seismological Despatches.....	" 28

DOMINION OBSERVATORY

OTTAWA - CANADA.

R. Meldrum Stewart,
Director.

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



February, 1927.

**



SPECIAL BULLETIN

*

LOCAL REGISTER OF EARTHQUAKES FELT AT QUEBEC CITY

No.	Date and Year	Time	Remarks
24	February 5, 1927	12-30 p.m. E.S.T.	Duration 10 sec. R.F.S. Force II. Ex- tremely feeble. E-W?
25	February 6, 1927	11-20 a.m. D.S.T.	Duration 10 sec. R.F.S. Force II; Ex- tremely feeble. E-W?
26	February 9, 1927	7-40 p.m. E.S.T. 7-42 p.m. D.S.T.	Duration 20 sec. R. F.S. Force III. Feeble. E.W. 2 tremors.
27	February 24, 1927	1-14 p.m. E.S.T.	Duration 5 sec. ca. R.F.S. Force II. Ex- tremely feeble. Dir- ection doubtful but probably E-W.

$\phi = 46^{\circ} 48' 30''$
 $\lambda = 71^{\circ} 12' 15''$
 h = 330 ft. + H.S.L.

G. H. Massey,
 Local Observer,
 Quebec, P.Q.

SEISMOLOGICAL BULLETINS RECEIVED

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OTTAWA - CANADA.

R. Meldrum Stewart,
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W. W. Dohsee,
Assistant Seismologist.



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.	r	v	ε	COMP.	l ^u tilt	DETERMINED
I.....	5.2		120	2:1	HS	displ ^u t	Jan. 31, 1927
II.....	5.9		120	10:1	LW		Jan. 31, 1927
17.....	12.0		250	20:1	EW	42.5 mm	Feb. 8, 1927
23.....	12.0		250	20:1	HS	43.0 mm	Feb. 13, 1927
D.....	36.8		---	13:10	LW		Feb. 15, 1927
D.....	37.0		---	13:10	HS		Feb. 15, 1927
W.....	5.1		160	4:1	Vert		Jan. 31, 1927

From Mar. 1, 1927 to Mar. 3, 1927 No. 10

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2733 Mar. 1	e _N	3-12.8						
	e _N	3-17-40						
	eL _E	3-20						
	eL _N	3-21						
	L _E	3-23	10	4				
	L _N	3-25	8			1		
F	3-56							
2734 Mar. 3	e	1-28-30						Early phases masked by micros. May be another quake.
	eL?	1-45						
	L _N	1-56	24			14		
	M _{1E}	2-11	24	37				
	M _{1N}	2-17	24			31		
	M _{2N}	2-25	19			14		
	L _E	2-37	60					
	L _E	2-56	15	6				
	L _N	2-59	15			5		
F	3-52 ca.							
2735 Mar. 3	e _E	17-33						Record obscured by micros.
	oL	17-38						
	L	17-45	?					
	F	18-00						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From March 3, 1927 to March 9, 1927 No. 11

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2736 Mar. 5	iN	4-22-49						
	eL	4-25.5						
	LE	4-28	15	5				
	LE	5-01						
	LN	5-06						
	F	5-19						
2737 Mar. 6	e	1-41						
	e	1-45-15						
	eL	1-47-12						
	LN	1-48	15		5			
	LE	1-50	20	7				
	LE	1-53	17	3				
	LN	1-55	15			2		
	F	2-27						
2738 Mar. 7	C	9-27-54					10230	
	eP	9-41-07						
	iN	9-51-34						
	iS	9-52-15						
	i	9-53-28						
	SR ₁	9-58-40						
	SR _{2N}	10-03-10						
	eLE	10-11-30						
	iLN	10-12-26						
	iM _{1N}	10-20-15	26		163			
	M _{1E}	10-21-30	20	127				
	M _{2N}	10-26-30	19		161			
	M _{2E}	10-26-45	15	99				
	M _{3N}	10-30-45	15		120			
	M _{4N}	10-35-00	15		70			
	M _{3E}	10-36-00	15	34				
	M _{4E}	10-40-40	15	42				
	LN	11-04	15			8		
	LE	11-21	15	9				
		F	13-20 ca.					
2739 Mar. 9	O	(16-13-24)					(4040)	
	eP _N ?	16-20-45						
	iN	16-22-15						
	iS _E	16-26-34						
	SR _{2E}	16-29-24						
	eLE	16-30-15						
	eLN	16-31						
	M _{1E}	16-34	19	41				
	M _{1N}	16-37	15		11			
	M _{2E}	16-37	15	10				
	LN	16-47	15			2		
	F	17-33 ca.						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From March 2, 1927 to March 15, 1927 No. 12

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2740 Mar. 11	eL	21-39.6						
	L _E	21-42	15	1-				
	L	21-51	15	1-	1-			
	F	22-03						
2741 Mar. 12	eL	7-46.7						
	F	7-51						Tr
2742 Mar. 12	e	19-08-08						
	eN?	19-18						
	eL _E	19-25						
	eL _N	19-29						
	L	19-33	20	1	2			
	F	20-18						
2743 Mar. 13	eN?	5-41-34						
	e	5-48-45						
	iE	5-51-22						
	eN	5-53						
	eL	5-55						
	L _E	6-01	20	2				
	L _N	6-02	20		3			
	L _E	6-09	15	1-				
	L _N	6-11	15		1-			
F	6-45							
2744 Mar. 14	eL _N	8-22						
	L _N	8-26	17		1-			No trace on E-W component.
	F	8-30						
2745 Mar. 14	eE	18-24-34						
	eL _E	18-31						
	eL _N	18-33						
	L _E	18-39	20	2				
	L	18-44	15	1-	1			
	F	19-06						
2746 Mar. 15	eN?	10-46.4						
	eN	10-47-45						
	e	10-52-08						
	eL	10-56						
	L _E	11-01	15	2				
	L _N	11-05	15		1			
	F	11-27 ca.						
2747 Mar. 15	e	22-12-38						
	eE?	22-23-24						
	eL	22-33.5						
	L _E	22-43	20	2				
	L _N	22-46	20		3			
	L	22-49	15	1	1			
	L	22-55	12	1	1			
	F	23-30						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From March 15, 1927 to March 21, 1927 No. 13.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2748 Mar. 16	eL	7-36						
	L	7-47	20	1-	1-			
	F	7-57						
2749 Mar. 18	eL	22-48						
	L _E	22-52	20	1-				
	L _N	22-55	17		1			
	F _E	23-14	17	1-				
2750 Mar. 20	eL	15-55						
	L _N	16-00	15		1			
	L _E	16-01	20	1				
	F	16-20						
2751 Mar. 20	e	16-31-56						
	eL	16-42						
	L	16-47	17	3	4			
	L	17-03	15	1	1			
	L _E	17-14	12	1-				
	F _N	18-15 ca.	12		1-			
2752 Mar. 20	eL	22-16						
	L _N	22-23	22		1-			
	F _N	22-48						
2753 Mar. 21	e	9-05.2						
	eL _N	9-15						
	eL _E	9-18						
	L _E	9-21	17	1	1			
	L _N	9-42	15		1-			
	F _N	10-00						
2754 Mar. 21	e	10-17-30						
	eL	10-27						
	L	10-33	17	3	4			
	L _N	10-51	15		2			
	F _E	11-22	15	1				
2755 Mar. 21	i	15-28-15						
	e	15-46-24						
	eL _N	15-52-00						
	eL	16-05						
	L _E	16-15	24	4				
	L _N	16-18	20		4			
	L _E	16-23	17	6				
	M _{IN}	16-28	17		9			
	M _{IE}	16-29	17	19				
	L _N	16-34	15		3			
	F _E	17-40 ca.	15	2				

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From March 21, 1927 to March 26, 1927 No. 14.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2756 Mar. 22	e	1-18-04						
	e	1-22.8						
	eL	1-28						
	L	1-33	17	4	4			
	M ₁	1-39	17	10	7			
	L	2-03	15	2	1			
	F	2-50						
2757 Mar. 22	e _N ?	8-11.2						
	eL	8-27						
	L	8-38	20	1	1			
	L	8-44	17	2	2			
	F	9-20 ca.						
2758 Mar. 23	e	9-45						
	eL	9-58						
	L _N	10-10	20		1-			
	L _E	10-19	20	1-				
	L _E	10-30	17	1-				
	L _N	10-35	17		1-			
	L _E	10-41	15	1-				
F _E	11-14 ca.							
2759 Mar. 25	e	3-57.5						
	eL	4-00						
	L	4-02	15	1	2			
	F	4-22						
2760 Mar. 25	i	13-11-04						
	e	13-13-38						
	e	13-15-08						
	eL	13-19						
	M _{1N}	13-25	15		15			
	M _{1E}	13-25.6	13	9				
	M _{2N}	13-27.5	15		13			
	L	13-36	(12)	2	2			
	L _E	13-50	12	1				
F _E	14-12+							
2761 Mar. 25	eL	21-16						
	L	21-19	17	1-	1-			
	F	21-23						
2762 Mar. 26	e _L	3-12.6						
	e _L	3-18.8						
	e _L	3-26						
	F	3-40						
2763 Mar. 26	eL	23-07.5						Trace only
	F	23-13						

DOM. OBS. No. 68
14,000-7-26

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

 From March 26, 1927 to March 31, 1927 No. 15.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2764 Mar. 28	e _N ?	8-12-15	12	3	4			
	eL	8-14						
	L	8-19						
	F	8-35 ca.						
2765 Mar. 30	eL	7-33	15	1	1			
	L	7-36 to						
		7-46						
	F	8-12+						
2766 Mar. 30	e	8-13-40	6	4	3		Early phases lost in preceding quake.	
	eL	8-18						
	L ₁	8-20						
	F	8-41						
2767 Mar. 30	i	14-34-00	17	1-	3			
	e?	14-39-42						
	eL	14-46						
	L	14-58						
	F	15-21						
2768 Mar. 31	eL	21-56	20	1-				
	L _E	22-06						
	L _E	22-08						
	L _N	22-11						
	F _N	22-21						

W. W. House

SEISMOLOGICAL BULLETINS RECEIVED

March, 1927.

oo



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

STATIONS	BULLETINS	RECEIVED
		March 1, 1927
Ksara.....	Year 1921.....	" 1 "
Apia.....	July to September 1926.....	" 2 "
Sydney, N.S.W....	December 1926.....	" 2 "
Ste. Anne.....	Records Nos. 607-613.....	" 3 "
Algiers.....	January 12-21, 1927.....	" 4 "
Cartuja.....	October, November, December, 1926	" 5 "
Rome.....	January 22 to February 4, 1927..	" 8 "
Firenze.....	June to December, 1926.....	" 8 "
Toronto.....	October 1926.....	" 8 "
Victoria.....	October 1926.....	" 9 "
Wellington, N.Z.	January to July, 1926.....	" 9 "
Sydney, N.S.W....	January, 1927.....	" 9 "
Nagasaki.....	September 1 to November 30, 1926	" 9 "
Perth.....	October to November, 1926.....	" 9 "
Tacubaya.....	Year 1924.....	" 10 "
Merida, Yuc.....	Year 1924.....	" 10 "
Oaxaca, Oax.....	Year 1924.....	" 10 "
Manzanillo, Col.	Year 1924.....	" 10 "
Mazatlan, Sin...	Year 1924.....	" 10 "
Puebla, Pue.....	Year 1924.....	" 10 "
Veracruz, Ver...	Year 1924.....	" 10 "
Rio de Janeiro..	Seis. Bull. 1921-26.....	" 11 "
Paris.....	January 1927.....	" 12 "
Strasbourg.....	January 1927.....	" 12 "
Zurich.....	Samel Bulletin No. 66.....	" 14 "
Saskatoon.....	Records February 12 to March 7, 1927	" 16 "
St. Anne.....	" Feb. 26 to Mar. 11, 1927.	" 18 "
Halifax.....	" Mar. 6-7, 1927.....	" 18 "
La Plata.....	January 1927.....	" 19 "
Beograd.....	Dec. 23, 1926 to Feb. 14, 1927...	" 21 "
Barcelona.....	Bulletin No. 13.....	" 23 "
Taihoku.....	May 20 to August 6, 1926.....	" 23 "
Wellington.....	Aug. 2 to Sept. 6, 1926.....	" 24 "
Sverdloosk.....	June, 1926. No. 6.....	" 24 "
Irkutsk.....	" , 1926 " 6.....	" 24 "
Leningrad.....	May, 1926. " 5.....	" 24 "
Baku.....	June, 1926. " 6.....	" 24 "
Kucino.....	" , 1926. " 6.....	" 24 "
Makeevka.....	" , 1926. " 6.....	" 24 "
Pulkovo.....	" , 1926. " 6.....	" 24 "
Karlsruhe.....	Oct., Nov. and Dec. 1926.....	" 25 "
Rome.....	February 9-18, 1927.....	" 25 "
Ste. Anne.....	Record Mar. 12-18, 1927.....	" 25 "
Matuyama.....	February 9-18, 1927.....	" 28 "
St. Louis, Mo...	July 1 to Dec. 10 '25; Feb. 16-28 '27; Mar. 7 '27; Supple. Bull. Mar. 7 '27	" 28 "
Halifax.....	Records Mar. 14, 21, 24, 1927...	" 29 "

OTTAWA, CANADA.

R. Meldrum Stewart
Director.

Ernest A. Hodgson
Seismologist.

W. W. Döxsee
Assistant Seismologist.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY



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D.....	6.8		---	13:10	EW		Feb. 15, 1927
D.....	7.0		---	13:10	NS		Feb. 15, 1927
W.....	5.1		160	4:1	Vertical		Jan. 31, 1927

From April 1, 1927 to April 6, 1927 No. 16.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2769 Apr. 1	eL	0-44-45	10	1	2			Evidently from a nearby epicentre.
	L	0-46						
	F	0-53						
2770 Apr. 1	iE	19-24-56	15	1	2			
	iE	19-30-10						
	iE	19-31-15						
	iE	19-32-08						
	eN	19-34-46						
	iN	19-40-08						
	eL?	19-43						
	LN?	19-58						
	LN	20-00						
	LE	20-22						
	LE	20-29						
FE	21-42							
2771 Apr. 6	eN	19-02-46	15	1-				
	eN	19-07-38						
	e	19-09-30						
	e	19-11-28						
	e	19-13						
	eL	19-16						
	L?	19-22						
	FE	19-45						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From April 6, 1927. to April 15, 1927. No. 110.17

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2772 Apr. 6	e _N	20-23-20						
	e	20-30-12						
	eL _N ?	20-33						
	F	20-55						
2773 Apr. 9	i	17-11-02						
	eL ?	17-22						
	F	17-40 ca						
2774 Apr. 9	e _N	19-20.5						
	eL ?	19-25						
	F	19-40						
2775 Apr. 9	e	21-32.1						
	eL	21-36						
	L _N	21-45	Irreg.					
	F _N	21-52						
2776 Apr. 11	eL	23-19					Trace only	
	F	23-33						
2777 Apr. 13	e _N	0-07						
	eL	0-12						
	L _E	0-16	20	2				
	L _E	0-20	17	1				
	L _N	0-22	17		1-			
	F	0-38						
2778 Apr. 13	L	14-20	30	1-	2		Early phases lost while changing sheets.	
	L _E	14-48	20	1				
	L _E	14-56	20		2			
	F _N	15-35						
2779 Apr. 14	O	6-23-46					8320	
	iP	6-35-24						
	i _N	6-42-04						
	i _S	6-45-00						
	i _E	6-46-00						
	eSR ₂ N	6-53-40						
	eL	6-58						
	L _N	7-15	15		11			
	L _E	7-18	15	6				
	L _E	8-00	13	2				
F	9-35 ca.							
2780 Apr. 15	e _N	10-57.0						
	e	10-59.8						
	eL _N	11-02						
	L _N	11-04	12	1-	1			
	F	11-15 ca.						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From.....April 15, 1927.....to.....April 27, 1927.....No.....18.....

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2781 Apr. 16	e	(8-15-30)					(6650)	Failure of time service at time of quake.
	aP	(8-25-38)						
	IS _E	(8-33-49)						
	eL	(8-43.5)						
	Min	(8-50.2)	15		32			
	Min	(8-51)	15	29				
	Min	(8-55.5)	15	28	27			
	LE	(9-03)	15	9				
	LN	(9-07)	15		7			
	LE	(9-17)	13	3				
	LE	(9-35)	12	1	1			
L	(10-28)	20	3	2		Maybe another quake		
F	(11-50)							
2782 Apr. 18	eL	14-01						
	L	14-35	20	2	2			
	F	15-35						
2783 Apr. 19	e	17-50-30						
	e _H ?	17-56-30						
	eL	18-06						
	LE	18-31	24	4				
	LE	18-38	20	2	2			
	L	18-47	17	1	2			
	F	19-35						
2784 Apr. 21	eL	6-50					Trace only	
	L	6-55	20	1-	1-			
	F	7-08						
2785 Apr. 21	e	11-46-58						
	e ?	11-50-15						
	eL	11-55						
	LE	11-58	18	1-				
	F	12-15						
2786 Apr. 25	eL	5-49.7					Local ?	
	LN	5-50.0	10		1			
	LE	5-52.4	10	1				
	F	5-59						
2787 Apr. 27	e _E	3-10.0						
	e _N ?	3-18.3						
	e _E	3-19-45						
	e _{LN}	3-39						
	LE	3-54	20	1				
	LN	3-57	20		1-			
	F	4-40 ca						
2788 Apr. 27	e	14-04						
	L	14-19 to						
		14-33	10	1-	1-			
	F	15-05						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From April 27, 1927 to April 30, 1927 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.	
2789 Apr. 27	e	19-40-24						
	e	19-47-40						
	eL	20-00						
	L _N	20-06	17		1-			
	L _E	20-14	20	2				
	L _N	20-17	20		2			
	L _N	20-20	17		1			
	L _E	20-21	15	1				
2790 Apr. 27	e	22-05-24						
	eL ?	22-12						
	L	22-17 to						
		22-30	(10)	1-	1-			
	F	22-40						
2791 Apr. 29	e _N	11-32.8						
	eL ?	11-36						
	L	11-41	15	1	1			
	F	11-50						
2792 Apr. 30	e	14-34.8						
	eL	14-39						
	L _E	14-44	24	2				
	L _N	14-49	20		2			
	L _N	14-50	20	1				
	F _E	15-30						
				<i>W W W. Dovesee</i>				

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From to No.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A_E μ	A_N μ	A_Z μ		
2779 Apr. 14	O	6-23-41					8400	HALIFAX BULLETIN
	iP	6-35-23						
	iS	6-45-03						
	iN	6-48-14						
	iH	6-48-57						
	eL	6-57						
	P	8-00 ca.						
								W. W. D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From to No.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
				STE. MICHE BULLETIN				
2779 Apr. 14	0	6-23-41				8620		
	iP	6-35-34						
	iS	6-45-25						
	eL	6-58.7						
	F	9-00 ca.						
2781 Apr. 16	0	8-15-34				6820		
	eP	8-25-52						
	iS	8-34-12						
	eL	8-44.7						
	M ₁	8-54.6						
	M ₂	9-00						
	L ²	9-12 to						
		9-45						
	L	10-28						
	F	11-00						

W. W. D.

SEISMOLOGICAL BULLETINS RECEIVED

APRIL

1927



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

STATIONS	BULLETINS	RECEIVED
Taihoku, Formosa, Japan	Aug. 6 to Sept. 17, 1927.....	April 1, 1927
	Nos. 10-14.....	" 2, "
D'Alger - Bouzareah...	February 1-28. No. 2.....	" 4, "
Batavia.....	October, November, December, 1926.	" 4, "
Helwan.....	Dec., 1926; Jan'y and Feb., 1927	" 4, "
Beograd.....	Provisional Bull., Nos., 5, 6, 7, 8.	" 4, "
Halifax.....	Record, Mar. 30, 1927.....	" 8, "
Ste. Anne.....	" , Mar. 19 to April 1, 1927	" 9, "
New York City.....	Feb. 1-3; Feb. 4-16; Feb. 16-28.	" 9, "
Denver.....	Nov. and Dec., 1926.....	" 12, "
Budapest.....	July to Dec., 1926; Nos. 7, 8, 9, 10, 11 and 12.	" 12, "
Ste. Anne.....	Record, April 2-8.....	" 12, "
Strasbourg.....	February, 1927.....	" 12, "
Paris.....	" , 1927.....	" 13, "
Samoa.....	October to December, 1926...	" 14, "
Sydney, N.S.W.....	February, 1927.....	" 14, "
Riverview College, N.S.W.	March 3 and March 7, 1927....	" 14, "
La Plata.....	February, 1927.....	" 14, "
Berkeley and Lick.....	April 1 to Sept. 30, 1926.....	" 14, "
Toronto.....	Nov. 1 to Dec. 29, 1926.....	" 14, "
Victoria, B.C.....	Nov. 1 to Nov. 27, 1926.....	" 16, "
Rome.....	Feb. 19 to Mar. 11, 1927....	" 19, "
Manila.....	Nov. 1 to Dec. 31, 1926. Nos. 26-29	" 21, "
St. Anne.....	April 9-15, 1927.....	" 21, "
De Bilt.....	Year 1924.....	" 21, "
Fordham.....	March, 1927.....	" 22, "
Halifax.....	April 13-15, 1927.....	" 22, "
Rome.....	March 12-25, 1927.....	" 23, "
Matuyama.....	" 7-12, 1927.....	" 25, "
Zurich.....	Sammel Bull. No. 67.....	" 26, "
St. Louis.....	Preliminary Bull., Apr. 14, 1927	" 30, "
Leningrad.....	November and December, 1926.	" 30, "
Sverdlovsk.....	ditto.....	" 30, "
Pulkovo.....	ditto.....	" 30, "
Baku.....	ditto.....	" 30, "
Kucino.....	ditto.....	" 30, "
Irkutsk.....	August, 1926.....	" 30, "
Makeevka.....	ditto.....	" 30, "

DOMINION OBSERVATORY
OTTAWA — CANADA

R. Meldrum Stewart
Director.

Ernest A. Hodgson
Seismologist.

W. W. Doxsee
Assistant Seismologist.

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.	1" tilt	DETERMINED
I.....	5.2		120	2:1	N.S.	displ't	Jan. 31, 1927
II.....	5.9		120	10:1	E.W.		Jan. 31, 1927
17.....	12.0		250	20:1	E.W.	42.5 mm	Feb. 8, 1927
23.....	12.0		250	20:1	N.S.	43.0 mm	Feb. 13, 1927
D.....	36.8		---	13:10	E.W.		Feb. 15, 1927
D.....	37.0		---	13:10	N.S.		Feb. 15, 1927
W.....	5.1		160	4:1	Vert.		Jan. 31, 1927

From May 1, 1927 to May 7, 1927 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.	
2793 May 1	eL	3-55						
	L	4-00	20	1	1-			
	F	4-14						
2794 May 2	eL	11-34						
	L	11-38	20	1	1-			
	L _{II}	11-40.5	15		1			
	F	11-54						
2795 May 3	eL	14-09-32						
	e	14-18-17						
	eL?	14-36						
	L	14-48	20	1	2			
	L	14-53	17	1	1			
	F	15-25						
2796 May 5	eL	15-23.6						
	L _N	15-24	12	1-	1-			Local?
	F	15-29						
2797 May 7	e	22-07.7						
	eL	22-12						
	M ₁	22-13.5	17	3	6			
	L _{II}	22-16	15	2				
	F	22-53						



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From May 7, 1927 to May 13, 1927. No. 21

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2798 May 9	eN?	11-04.2						
	eL	11-16						
	L	11-22	24	1	1			
	L _L	11-35	20	1				
	F _L	12-13 ca						
2799 May 9	O	20-05-06					4020	
	eP	20-12-26						
	PR ₂	20-13-45						
	i ₂	20-17-48						
	iS	20-18-14						
	SR _{1L}	20-20-16						
	SR ₂	20-20-52						
	n _N	20-23	10			12		
	e _L	20-23	8	17				
	eL	20-23-45						
	M _{1N}	20-27	19			31		
	M _{2N}	20-29.5	15			14		
	M _{1E}	20-30.5	17	15				
	L _N	20-35	12			3		
F _N	21-20							
2800 May 10	eL _L	7-09						
	L _L	7-17	30	1	1			
	L	7-25	19		1			
	L _N	7-29	25	1				
	L _E	7-31	15		1			
	F _N	7-57						
2801 May 10	eL?	8-40						
	L _N	8-48	20		1-			
	L _E	8-52	20	1-				
	F	9-04						
2802 May 11	eL	2-19						
	L _E	2-24	24	2				
	L _N	2-27 to	20		1			
	L _E	2-28 to	20	1				
	L _E	2-37	20					
	F	3-30 ca.						
2803 May 13	e _L	0-36						
	eL _L	0-40						
	L _L	0-43	17	1-	1-			
	L _E	0-46	15	1-				
	F _E	0-55						
2804 May 13	e	23-36.2						
	e	23-46.5						
	eL	0-06						
	L	0-18	17	1	1			
	F	1-28 ca.						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From May 13, 1927 to May 22, 1927 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.	
2805 May 15	e	3-06-30						
	eL	3-11						
	L	3-22	20	2	2			
	L	3-27	17	1				
	L ^E	3-35	15	1-				
	F ^E	4-00						
2806 May 16	e	12-25-15						
	e	12-32-40						
	eL?	12-40						
	L ^E	12-56	15	1				
	F ^E	14-16 ca.						
2807 May 19	e ^N ?	5-36.5						
	eS	5-40-38						
	eL	5-44-24						
	M ^{IE}	5-49	15	6				
	M ^{IN}	5-53	15		5			
	F	6-30						
2808 May 21	e ^F	17-18-30						
	i ^N	17-20-23						
	e ^N	17-27-30						
	i ^N	17-28-11						
	e ^E	17-30						
	eL ^N ?	17-39.4						
	L ^E	18-04	11	1-				
	F ^E	18-25 ca.						
2809 May 22	e ^N	(1-55.5)						Time signals failed
	e	(2-04.4)						
	F	(2-30)						
2810 May 22	eL	(12-53)						
	L	(13-02)	17	1-	1-			
	F	(13-20)						
2811 May 22	O	22-32-59				10330		Interpretation based on Gutenberg's table
	eP	22-46-17						
	iPR _{IN}	22-50-15						
	S ₀ ^V C ₀ ^V C ₀ ^V S	22-57-02						
	i ₀	22-57-40						
	iPF ₃	22-59-10						
	iSR ₁	23-04-00						
	iSR ₂	23-08-15						
	eL	23-17-40						
	M ^{IE}	23-24.4	(24)	(274)				
	F ^{IN}	23-25-10	22		201			
	L ₂ ^N	23-27-26	22		257			
	M ₂ ^E	23-29-56	19	153				
M ₃ ^N	23-31-36	19		289				

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From May 22, 1927 to May 31, 1927 No. 23

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2811 Cont'd	M ₄ N	23-34.5	17		291.			
	M ₃ E	23-34-45	19	221				
	M ₅ N	23-36-45	15		164			
	M ₄ E	23-38-24	15	110				
	M ₆ N	23-40.0	13		95			
	M ₅ E	23-41-45	13	107				
	M ₇ N	23-45.9	13		92			
	L	23-45 to 0-30	13	36	34			
	L	0-30 to 1-10	13	9	7			
	L	1-10 to 1-45	13	2	2			
F	4-25 ca							
2812 May 23	eL	14-40						
	L	14-49	17	1-	1			
	F	15-10						
2813 May 23	eL	23-22						
	L	23-28	20	2	1			
	L	23-53	17	1-				
May 24	F ^E	0-12						
2814 May 24	eL	0-33						
	L _E	0-39	20	1				
	L	0-42	20		1			
	L ^{II}	0-46	17	1-	1-			
	F	1-08						
2815 May 28	eL	2-02						
	L ^{II}	2-15	20		1			
	F	2-43						
2816 May 31	eL [?]	13-20						Early phases lost to changing of paper
	L _E	13-21	15	1				
	L _E	13-23	15		1			
	L _N	13-25	15		1			
	L _N	13-31	12		1-			
	F	13-44						

W. W. House

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From to No.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
HALIFAX BULLETIN								
2811 May 22	O	22-32-59					10330	Interpretation base on Gutenberg's tables
	eP	22-46-17						
	S _c P _c S	22-57-00						
	iPPS	22-59-15						
	SR ₁	23-04-03						
	SR ₂	23-08-11						
	eL ²	23-17-20						
	M ₁	23-31-12						
	M ₂	23-39						
	M ₃	23-45						
	L ³	23-52 to						
		23-57						
May 23	L	23-57 to						
		0-20						
	F	1-25 ca						

W. G. L.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From to No.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
SASKATOON BULLETIN								
2811 May 22	O	22-34-44					9340	No clock correction supplied IP and IS well defined so Δ can be accepted but O evidently in error.
	iP	22-47-14						
	iS	22-57-41						
	eSR ₁	23-03-34						
	eSR ₂	23-08-00						
	eLE?	23-12-30						
	eLN	23-15						
	M _{1E}	23-22.5						
	M _{1N}	23-24.5						
	M _{2E}	23-27						
	M _{2N}	23-28.5						
	M _{3E}	23-28.5						
	M _{3N}	23-30.3						
	M _{4E}	23-32.0						
	M _{5E}	23-33.0						
	M _{4N}	23-34.0						
M _{6E}	23-35.2							
May 23	L	23-43 to 0-00						
	L	0-00 to 0-22						
	F	1-25 ca.						

W.W.D.

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From to No.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
STE. ANNE BULLETIN								
2811	O	22-32-47					10350	
May 22	eP	22-46-06						
	iPR ₁	22-50-06						
	iS	22-57-20						
	iPPS	22-59-04						
	SR ₁	23-03-47						
	SR ₂	23-07-50						
	i ₂	23-11-31						
	i	23-15-18						
	eL	23-18						
	M ₁	23-34	19	NE-SW				
	M ₁	23-38	17	129				
	M ₂	23-45.5	15	131				
May 23	L ₃	0-03 to		78				
	L	0-31						
	L	0-31 to						
	L	1-23						
	L	1-23 to						
	L	1-48						
	F	4-10 ca.						

W. W. D.

SEISMOLOGICAL BULLETINS RECEIVED

MAY

1927



SPECIAL BULLETIN

90

REGISTER OF EARTHQUAKES FELT AT QUEBEC CITY

No.	DATE	TIME	OBSERVED DURATION	ESTIMATED DIRECTION AND INTENSITY
28	May 22 1927	9-09 p.m. 9-10 p.m. E.S.T.	approx 10 s. " 10 s.	R.F.S. II.) R.F.S. II.) Extremely feeble. Direction doubtful.
29	May 23 1927	1-14 p.m. E.S.T.	approx 20 s.	R.F.S. II. Extremely feeble. Steep barometric gradient observed during period.

$\phi = 46^{\circ} 48' 30''$
 $\lambda = 71^{\circ} 12' 15''$
 $h = 330 \text{ ft.} + \text{MSL.}$

G. W. Massey,
Observer.

Neither of the above earthquakes were of sufficient intensity to record on the seismographs at the Dominion Observatory, Ottawa.

W. W. D.

SEISMOLOGICAL BULLETINS RECEIVED

MAY

1927

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

STATIONS	BULLETINS	RECEIVED
San Fernando.....	January, February and March, 1927.....	May 2
Rome.....	Mar. 26 to Apr. 8, 1927	" 2
Domodossola.....	Jan., Feb. and Mar., 1927..	" 2
Athens.....	Sept., Oct., Nov., Dec., 1925	" 5
Georgetown.....	Seismological Despatches February and March, 1927..	" 5
Paris.....	March, 1927.....	" 10
Strasbourg.....	" , 1927.....	" 10
Cartuja.....	Jan. and Feb., 1927.....	" 10
Nagasaki.....	Dec., Jan., Feb. and Mar. 1927	" 13
La Paz.....	Special, April 14, 1927...	" 13
Toledo.....	July and Aug., 1926.....	" 14
Almeria.....	ditto	" 14
Malaga.....	ditto	" 14
Alicante.....	ditto	" 14
Karlsruhe.....	Jan., Feb. and Mar. 1927...	" 16
Halifax.....	May 7 and 9, 1927.....	" 16
Oxford.....	Summary July, Aug. and Sept., 1923.....	" 16
Zi-ka-wei (Chine).....	Jan. 3 to Feb. 5, 1927.....	" 16
Kew.....	Jan., Feb. and Mar., 1927..	" 16
Ravensburg.....	Jan., Feb. and Mar., 1926-27	" 17
Hohenheim.....	Jan., Feb. and Mar., 1926-27	" 17
Zagreb.....	Feb., Mar. and April.....	" 18
Perth.....	Jan., Feb. and Mar., 1927...	" 19
Uccle.....	Mar. 21 to Sept. 11, 1926...	" 19
La Plata.....	March, 1927.....	" 21
Kobe.....	Oct. 1 to Dec. 31, 1926.....	" 23
Sumoto.....	Oct. 1 to Dec. 31, 1926.....	" 23
Toyooka.....	Oct. 1 to Dec. 31, 1926.....	" 23
Rome.....	April 9 to April 22, 1927..	" 25
Fordham.....	April 1-30, 1927.....	" 27
Cornell University.....	Jan. 1 to Mar. 31, 1927....	" 28
Helwan.....	March, 1927.....	" 28
Strasbourg.....	April, 1927.....	" 28
Toledo.....	September and October, 1927.	" 30
Almeria.....	ditto	" 30
Malaga.....	ditto	" 30
Alicante.....	ditto	" 30
Matuyama.....	April 1-8, 1927.....	" 30
Hamburg.....	Jan., Feb. and Mar., 1927...	" 31



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.	r	v	ε	COMP.	DETERMINED
I.....						1" tilt
II.....	5.2		120	2:1	NS	displ't = Jan. 31, 1927
17.....	5.9		120	10:1	EW	Jan. 31, 1927
23.....	12.0		250	20:1	EW	42.5 mm Feb. 8, 1927
D.....	12.0		250	20:1	NS	43.0 mm Feb. 13, 1927
D.....	36.8		---	13:10	EW	Feb. 15, 1927
W.....	37.0		---	13:10	NS	Feb. 15, 1927
	5.1		160	4:1	Vert.	Jan. 31, 1927

From June 1, 1927 to June 3, 1927 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.	
2817 June 2	e _E	17-21.6						
	cl	17-28						
	L	17-44	20	1	1			
	F	18-25 ca.						
2818 June 3	e	7-31-28						
	i	7-34-00						
	e _N	7-34-45						
	i	7-40-45						
	i	7-46-15						
	i	7-51-33						
	i _E	7-57-04						
	e _E	8-03-38						
	e _N	8-09-24						
	i _N	8-13-38						
	i _E ?	8-16-24						
	M ₁	8-20	30	128	121			
	M ₂	8-24	26	115	82			
	M ₃	8-28	24	56	47			
M ₄	8-34	19	32	34				
M _{5N}	9-11.5	24		28				
L	9-14 to							
L	9-23	19	16	11				
L	9-23 to							
L	9-40	15	4	4				
F	12-00 ca.							

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From June 3, 1927 to June 11, 1927 No. 21

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2819 June 5	e	8-46-15						
	e _N	8-51.9						
	e _L	8-58						
	L	9-08	20	1	1			
	F	9-23						
2820 June 6	e [?]	18-3						
	e _E [?]	18-47						
	e _N	18-54-20						
	e	19-01						
	e _L [?]	19-15						
	L _N	19-25	20	3				
	L _E	19-31	19	2	2			
	L _E	19-34	15	2				
	L _E	19-36	15		1			
	L _N	19-38	13	1				
F _E	21-09							
2821 June 7	e	15-46						
	L	15-49	20	1-	1-			
	F	16-10						
2822 June 9	e [?]	22-57-15						Local ?
	e _H	22-59-18						
	L _N	22-59-49	11		1			
	L _E	23-02	9	1-				
	F _E	23-14						
2823 June 10	i _E	17-23-52						
	e _E	17-26-50						
	e _H	17-28						
	e _L [?]	17-31						
	L _H	17-39	19		2			
	L _E	17-41	19	2				
	L _E	17-51	15	1-	1-			
F	18-17							
2824 June 11	e _N	2-54-45						
	e _N	3-11.6						
	e _H	3-16						
	e _L	3-31						
	L _E	3-45	20	1				
	L _E	3-49	20		1			
	L _N	3-51	17	1-				
	L _E	3-55	17		1-			
F _N	4-25							
2825 June 11	e _L	8-19						Local ?
	L	8-20	9		1-			
	L _N	8-21-42	9	1-				
	F _E	8-32						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From June 11, 1927 to June 19, 1927 No. 26.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2826 June 12	eL	2-40	17	1-	1-			Trace only
	L ^E	2-43						
	F	2-48						
2827 June 14	eL	4-43	20	1-	1-			
	L	4-55						
	F	5-06						
2828 June 14	e	17-346	20	3				
	e	18-00.8						
	e ^N	18-06.5						
	eL	18-24						
	L ^E	18-37						
	L ^N	18-40						
	L ^N	18-43						
	L ^E	18-54						
F	19-35							
2829 June 17	i	6-21-02	17	2	4			
	eL	6-31						
	M ₁	6-36						
	L ¹	6-40						
	F	7-15						
2830 June 18	eL	1-57						Trace only
	F	2-15						
2831 June 18	e	10-31-24	20	2				
	eL	10-34.7						
	L ^E	10-39.5						
	L ^E	10-43						
	L ^N	10-45						
	F ^N	11-07						
2832 June 18	eL	16-16	9	1-				Local?
	L	16-17						
	L ^N	16-19						
	F ^E	16-32						
2833 June 19	e	0-38-22	15	2	1			
	eL	0-41						
	L	0-43						
	L	0-44						
	F ^E	1-06						
2834 June 19	e	16-37	10	1-	1			
	L	16-46						
	F	16-57						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From June 19, 1927 to June 30, 1927. 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.	
2835 June 20	e	14-38						
	eL	14-51						
	L	15-04	20	1				
	L ^E	15-08	17	1	1			
	L	15-13	15	1				
	F ^E	16-00						
2836 June 22	eL	0-43						
	L ^N	1-03	20	1-	1-			
	L	1-09	17	1				
	F ^E	1-26						
2837 June 22	e	20-52.5						No trace on N.S. component.
	L ^E	21-05	15	1-				
	L	21-19	15	1-				
	F ^E	21-31						
2838 June 24	eL	0-33						
	L ^E	0-36	20	1-				
	L	0-47	15	1-				
	F ^E	0-53						
2839 June 26	e ^N ?	11-32.2						
	e	11-41-28						
	eL?	11-56						
	L	12-02	20		3			
	L ^N	12-04	17	4				
	L ^E	12-05	15		1			
F ^N	13-05							
2840 June 28	eL	17-52						
	L	17-55	17	2	1			
	L	18-03	15	1-				
	F ^E	18-26						
2841 June 29	e	9-11						Trace only.
	F	9-21						
2842 June 29	e	17-54						
	L	18-05	17	1-	1-			
	F	18-25						
2843 June 29	e	22-25						
	L ^N	22-27	17		1-			
	L	22-34	15	1				
	F ^E	23-00						
2844 June 30	e	23-19.7						
	eL	23-31						
	L	23-39	20	1	1			
	L	23-45	15	1-				
	F ^E	23-58						

W. W. Doxsee

SEISMOLOGICAL BULLETINS RECEIVED

JUNE

1927

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

STATIONS	BULLETINS	RECEIVED
Ste. Anne.....	Records May 21-27, 1927.....	June 1
Kew.....	April, 1927.....	" 2
Nagoya.....	Year 1926.....	" 4
Jinsen.....	Sept. 28 to Mar. 31, 1927.....	" 4
Rome.....	April 23 to May 6, 1927.....	" 6
St. Louis.....	Preliminary May 22, 1927.....	" 7
do.....	March and April, 1927.....	" 7
New Orleans.....	Nov. and Dec. 1926; Jan., Feb., Mar. and April, 1927.....	" 7
U.S. Coast and Geodetic Survey.....	Oct., Nov., Dec. 1925 and supple- ment 1924 (2 copies).....	" 7
Sammel.....	May 20, 1927. No. 68.....	" 8
Strasbourg.....	April, 1927.....	" 8
Paris.....	April, 1927.....	" 8
Manila.....	Jan. 1 to Feb. 12, 1927.....	" 10
Ste. Anne.....	Records May 28 to June 4, 1927.	" 10
Saskatoon.....	" May 10-25, 1927.....	" 10
Halifax.....	" June 2-3, 1927.....	" 10
La Plata.....	April, 1927.....	" 14
Sydney, N.S.W.....	April 26 to May 31, 1922 and May 1 to Dec. 31, 1924.....	" 16
Perth.....	April 1-30, 1927.....	" 16
Melbourne.....	Jan. 5 to Feb. 26, 1927.....	" 16
Toledo.....	Nov. and Dec. 1926.....	" 18
Almeria.....	ditto	" 18
Malaga.....	ditto	" 18
Alicante.....	ditto	" 18
Rome.....	Macrosismi Fasc. 1 and 2 for 1917	" 22
Halifax.....	Records June 8 and June 18....	" 22
Rome.....	May 7 to May 20, 1927.....	" 23
Matuyama.....	May 8-21, 1927.....	" 25
Port-au-Prince.....	Year 1925.....	" 25
Georgetown.....	Seismological Dispatches April and May, 1927.....	" 25
Victoria.....	Dec. 1926 and Jan. 1927.....	" 27
Toronto.....	January, 1927.....	" 27
Graz.....	Nov. 1, 1926 to May 14, 1927..	" 27
Lemberg.....	July 11, 1926 to Feb. 16, 1927	" 27
Innsbruck.....	June 1 to Sept. 30, 1926.....	" 27
Wien.....	Nov. 4, 1926 to Mar. 17, 1927.	" 27
Sammel.....	May 9 to June 5, 1927. No. 69.	" 28
D'Alger-Bouzareah.....	Mar. 1 to May 31, 1927.....	" 28
Beograd.....	Provisional Bulletin, March and April, 1927.....	" 29
Helsingfors.....	Jan. 17 to Mar. 12, 1927.....	" 29
Zagreb.....	May, 1927.....	" 29
Ste. Anne.....	Records, June 5-9, 1927.....	" 30

DOMINION OBSERVATORY
OTTAWA - CANADA

R. Meldrum Stewart,
Director.

Ernest A. Hodgson,
Seismologist.

W. W. Doxsee,
Assistant Seismologist.



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.	r	v	ε	COMP.	DETERMINED
I.....	5.2		120	2:1	NS	Jan. 31, 1927
II.....	5.9		120	10:1	EW	Jan. 31, 1927
17.....	12.0		250	20:1	EW	42.5 mm Feb. 8, 1927
23.....	12.0		250	20:1	NS	43.0 mm Feb. 13, 1927
D.....	36.8		---	13:10	EW	Feb. 15, 1927
D.....	37.0		---	13:10	NS	Feb. 15, 1927
W.....	5.1		160	4:1	Vert	Jan. 31, 1927

From July 1, 1927 to July 3, 1927 No. 28

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
2845 July 1	0	h' m' s 8-19-03	s	μ	μ	μ	7750	
	eP	8-30-11						
	iS	8-39-18						
	SR ₁ N?	8-44-16						
	SR ₂ N	8-47-10						
	eL	8-53						
	L _N	9-09	15		2			
F _N	10-07							
2846 July 3	eL	9-07						
	L _E	9-22	24	1				
	L _N	9-39	17		1			
	F _N	9-51						
2847 July 2	e _{EF}	11-02-30						
	e _{EN}	11-11-11						
	eL	11-22						
	L _N	11-27	17		1			
	L _E	11-33	20	3				
	L _N	11-35	17		1			
	F _{EN}	11-50	15	1				
F _{EN}	13-10							

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From July 3, 1927 to July 12, 1927. No. 29

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2848 July 4	eL	15-47						
	L	15-49	15	1-	1-			
	F	16-01						
2849 July 6	e	0-19.3						
	L	0-21	15	1-	1-			
	F	0-31						
2850 July 7	e	3-19.4						Local ?
	L	3-21	10	1-	1-			
	F	3-28						
2851 July 7	e _N	20-23-45						E.W. component cut of order at time of this quake, and also the three following.
	e _N	20-31-08						
	e _L	20-56						
	L _N	21-04	20		2			
	F _N	21-40						
2852 July 8	e _N	17-48.7						Local ?
	L _N	17-50	12		1-			
	L _N	17-52	10		1-			
	F _N	18-02						
2853 July 10	eL _N	4-55						
	L _N	5-09	17		1			
	F _N	5-37						
2854 July 10	eL _N	11-59						
	L _N	12-07	17		1			
	F _N	12-30						
2855 July 11	e	8-31-38						
	i	8-32-15						
	eL	8-48						
	L _N	9-04	20		1			
	L _N	9-06	20	1				
2856 July 11	F _E	9-22						
	e	13-26-33						
	eL	13-41						
	L	13-49	20		3			
	L _N	13-52	20	2				
	L _E	14-13	15		1			
2857 July 12	L _N	14-17	15	1				
	F _E	15-10						
	O	21-08-08					8940	
	eP	21-20-18						
	iS	21-30-25						
	eL	21-48						
	L	22-03	15	1				
	L _E	22-08	15		4			
	F _N	23-06						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From July 12, 1927 to July 17, 1927 No. 30.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2858 July 14	e	13-17.2						
	eL	13-18.4						
	M _{IN}	13-21-38	10		5			
	M _{IE}	13-22-17	12	7				
	L _N	13-22.5	10		1-			
	L _E	13-24	9	1				
	F _E	13-57						
2859 July 14	0	23-27-35					6050	
	eP _N	23-37-09						
	eS	23-44-48						
	eL	23-54.5						
	L _N	23-59	17		2			
	L _H	0-10	15		1			
	F	1-25						
2860 July 15	e	18-44.0						
	e _N	18-45-30						
	eL	18-49						
	L _E	18-52	20	6	2			
	L _E	18-55	17	1				
	L _E	18-58	17		2			
	F _N	19-30						
2861 July 15	e	22-27-36						
	eL?	22-34.5						
	F _N	22-55						
2862 July 16	e _N	1-44.7						
	eL	1-47						
	L _E	1-52	17	1				
	L _E	1-56	15	1				
	L _N	1-58	13		1			
	F _N	2-16						
2863 July 16	e _E	2-34						
	eL	2-36						
	L _E	2-37	17	1-				
	L _N	2-39	13		1-			
	F _N	2-48						
2864 July 17	e	11-11						
	eL	11-23						
	L _N	11-32	20		1			
	L _N	11-36	17		1			
	F _N	11-51						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From July 17, 1927 to July 28, 1927 No. 31

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2865 July 18	e	11-40-12						
	e _N	11-52.0						
	e _E	11-57.0						
	e _L ?	12-13						
	L	12-23	20	3	3			
	L _E	12-29	17	2				
	L _N	12-31	17		2			
	L _N	12-40	15		1			
L _E	12-41	15		1				
F	14-03							
2866 July 22	e _N	4-08.1						Milne Shaw 17 out of order.
	e _N	4-18-30						
	e _L	4-36						
	M _L	4-42	24		7			
	L _N	4-58	20		6			
	L _N	5-14	15		4			
F	6-40							
2867 July 22	e _L	9-23						
	L	9-35	17	1-	1-			
	F	10-06						
2868 July 23	e?	20-18.3						
	e	20-41.5						
	e _L	20-57						
	L	21-10	20	2	2			
	L _N	21-15	17		1			
	L _E	21-21	15	1				
F	22-16							
2869 July 23	e	23-04						
	e	23-17						
	e _L	23-25						
	L _E	23-34	20	2				
	L	23-44	15	1	1			
F	0-30							
2870 July 25	e _N	3-34.4						
	e	3-40.6						
	L	4-13	20	1-	1			
	L	4-24	17	1-	1-			
	F	4-40						
2871 July 28	O	16-17-43					5560	
	e _P	16-26-47						
	i _S	16-34-00						
	e	16-36-28						
	e _L	16-43						
	M _L	16-48	15	12	18			
	L _E	17-08	12	2				
	L _N	17-23	12		1			
F	18-40							

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From July 28, 1927 to July 31, 1927 No. 32

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2872 July 29	eN	0-33.0						
	eN	0-38.4						
	eE	0-39.5						
	eN	0-44.2						
	eL	0-59						
	LE	1-07	24	2				
	LE	1-09	20		1			
	LN	1-15	20	1				
	LE	1-18	17		1			
	LE	1-19	15		1			
F	1-55							
2873 July 30	eL	0-36.5						
	LE	0-38	20	1				
	LN	0-41	20		1			
	LE	0-44	17	1-				
	F	1-04						
2874 July 30	e	9-32						Trace only.
	F	9-48						
2875 July 30	e?	14-42.3						
	eL	15-03						
	LE	15-10	24	1				
	LE	15-15	20		1			
	LN	15-16	18	1				
	F	15-42						
2876 July 31	e	17-48						
	eLE?	17-58						
	L	18-05	(20)	1-		1-		
	F	18-25						

W. W. Hoxee

SPECIAL BULLETIN

REGISTER OF EARTHQUAKES FELT AT OR NEAR QUEBEC CITY

No.	DATE	TIME	DURATION	REMARKS
	July 24, 1927	8-55 p.m. Not stated if E.S.T. or Daylight Saving Time used.	Several seconds	Felt at Portneuf, Que. Beauce, Que. Chateau Richer Montmorency Falls Lake St. Joseph and St. Catherine Lake Sargent Petite Riviere St. Joachim Cape Tourment St. Valier Giffard Lorette all of Quebec Province

This earthquake tremor was not observed or felt at Quebec City.

$\phi = 46^{\circ} 48' 30''$
 $\lambda = 71^{\circ} 12' 15''$
 $h = 330\text{ft} + \text{MSL}$

G. M. Massey,
Observer.

H. Taylor reported by telegram that an earthquake was felt at Seven Falls, Quebec at 7-56 p.m. E.S.T. on July 24, 1927. The duration was given as ninety seconds and the tremor which came from the south south east was accompanied by an audible rumble. A second tremor of two seconds duration was felt at 8-30 p.m. E.S.T. of the same day.

Neither of the above tremors were of sufficient intensity to record on the seismographs at the Dominion Observatory, Ottawa.

W. W. D.

R. Meldrum Stewart,
Director.

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

July
1927

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

STATIONS	BULLETINS	RECEIVED
Richmond	May, 1927	July 4
Sydney	March and April, 1927	" 4
Firenze	Jan. to May, 1927	" 5
Leningrad	June and August, 1926	" 5
Baku	July and August, 1926	" 5
Makeevka	January, 1927	" 5
Kucino	July, 1926	" 5
Sverdlovsk	July and August, 1926	" 5
Pulkovo	July and August, 1926	" 5
Irkutsk	July, 1926	" 5
Oxford	Summary Oct. Nov. Dec., 1923	" 5
Fordham	May 1 to June 15, 1927	" 5
Halifax	Record of July 1, 1927	" 6
Apia	Jan. 19 to Mar. 31, 1927	" 7
Toronto	February, 1927	" 7
Rome	May 21 to June 3, 1927	" 7
Paris	May, 1927	" 8
Strasbourg	May, 1927	" 8
St. Louis	June, 1927	" 11
Uccle	Sept. 12 to Dec. 31, 1926	" 12
Jona	Oct., 1926 to Mar., 1927	" 12
Loyola of Chicago	Jan. and Feb., 1927	" 12
LaPaz	Dec. 18, 1926 to Mar. 5, 1927	" 13
Taihoku	Jan. 3 to May 6, 1927	" 14
Jinsen	Mar. 31 to June 3, 1927	" 14
Manila	March and April, 1927	" 14
St. Louis	May, 1927	" 15
Zi-ka-wei	Mar. 21 to May 22, 1927	" 16
Wellington	Sept. Oct. Nov. and Dec. 1926	" 18
Sydney	May and June, 1927	" 18
Saskatoon	Records June 4 to July 2, 1927	" 18
Kobe	Jan. 1 to Mar. 6, 1927	" 23
Rome	June 4 to 17, 1927	" 23
LaPlata	May, 1927	" 25
Rome	June 18 to July 1, 1927	" 26
Domodossola	Apr. May and June, 1927	" 26
Apia	Jan. Feb. and March, 1927	" 26
Wellington	Jan., 1927	" 27
Sydney	Jan. to May, 1922	" 27
	May to Dec., 1925 and Mar., 1925	
Loyola	March 7 to June 3, 1927	" 28
Frankfurt	Jan. Feb. and Mar., 1927	" 29
Richmond	June, 1927	" 29
Perth	April 20 to May 31, 1927	" 29
Cartuja	Feb. 16 to April 30, 1927	" 29

DOMINION OBSERVATORY
OTTAWA/-CANADA

R. Meldrum Stewart,
Director.

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



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.	r	v	e	COMP.	1: tilt	DETERMINED
I.....	5.2		120	2:1	NS	displ't	Jan. 31, 1927
II.....	5.9		120	10:1	EW		Jan. 31, 1927
17.....	12.0		250	20:1	EW	42.5 mm	Feb. 8, 1927
23.....	12.0		250	20:1	NS	43.0 mm	Feb. 13, 1927
D.....	36.8		---	13:10	EW		Feb. 15, 1927
D.....	37.0		---	13:1	NS		Feb. 15, 1927
W.....	5.1		160	4:1	Vert.		Jan. 31, 1927

From..... Aug. 1, 1927..... to..... Aug. 1, 1927..... 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.	
2877 Aug. 1	eL LE F	0-26 0-30 0-41	20	1-				
2878 Aug. 1	eN i e F	11-39-24 11-48-08 11-56.6 12-23						
2879 Aug. 1	eE eN eN eE eL M ₁ N M ₁ E M ₂ N M ₂ E LN LE F	17-21.7 17-24.9 17-29.0 17-32.0 17-35 17-40 17-41 17-45 17-47 17-55 18-01 Lost in next quake	17 17 17 17 15 15	11 11 3	7			



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From August 1, 1927 to August 5, 1927 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.	
2880 Aug. 1	e	19-05						
	eL	19-15						
	M ₁	19-21.5	19	21	11			
	M ₂	19-25.5	17	14	12			
	M ₃	19-27.6	15	14	9			
	L ₃	19-31	15	6	4			
	L _E	19-40	12	3				
2881 Aug. 2	L _E	19-52	12		1			
	F _N	21-12						
	e _N ?	0-57.6						
	eL	1-02.3						
	L	1-06	24	5	6			
2882 Aug. 3	L	1-10	12	2	3			
	F	2-00 ca						
	e	20-45						
2883 Aug. 4	L _N	20-50	10	1				
	F _E	21-05						
	eL	0-39						
2884 Aug. 4	L	0-45	15	1	1			
	F	1-06						
	eL	12-42						
2885 Aug. 4	L _E	12-45	12	1				
	F _E	12-57						
	e	16-10-02						
2886 Aug. 4	L	16-22	12		1			
	F _N	17-30						
	e	22-30.8						
	eL _N	22-34						
	L _N	22-39	20		1			
2887 Aug. 4	L _N	22-41	15		1			
	F _N	23-00 ca						
	eL	23-37						
2888 Aug. 5	L	23-41	15		1			
	F _N	22-48						
	e _N	3-53.7						
	e _N	3-58-45						
2888 Aug. 5	e _E	4-02.0						
	eL	4-06						
	F	4-31						



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From August 5, 1927. to August 8, 1927. 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.	
2889 Aug. 5	0	21-13-04					9750	
	eP	21-25-54						
	gPR _{IN}	21-29-20						
	iE	21-36-18						
	iN	21-36-24						
	lS _E	21-36-41						
	lS _N	21-36-47						
	eL	21-50						
	MIE	22-06.5	19	31				
	MIN	22-14.5	17		23			
	LN	22-21	17		5			
	LE	22-33	17	5				
	LN	22-57	15		1			
F	0-20+							
2890 Aug. 6	0	0-14-00					5500	
	eP	0-23-00						
	lS	0-30-09						
	eSR _{IN} ?	0-33-44						
	eL	0-39						
	MIN	0-43.8	15		16			
	LE	0-50	15	4				
	LE	1-08	12	1				
	LN	1-11	13		1			
	F	2-25 ca						
2891 Aug. 8	e	0-11.3						
	eL _E ?	0-18						
	L	0-22	15	1-	1-			
	F	0-32						
2892 Aug. 8	e	0-40-34						
	eL	0-48						
	L	0-52	15	1-	1-			
	F	1-04						
2893 Aug. 8	iN	1-09-22						
	iE	1-18-48						
	eL _E ?	1-30						
	LN	1-47	12		1-			
	F	2-26						
2894 Aug. 8	eN	3-59-20						
	eL	4-06						
	LN	4-10	20		1			
	LE	4-11	15	1-				
	F	4-26						
2895 Aug. 8	e	19-04-38						
	e	19-08-08						
	F	19-50						



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From August 8, 1927 to August 10, 1927. 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.	
2896 Aug. 9	eN	1-29.4						
	e	1-33.8						
	eL	1-40						
	L _N	1-43	15		1			
	L _E	1-47	13	1				
	F _E	2-24						
2897 Aug. 9	e _N ?	15-54						Trace only
	eL?	16-00						
	L _E	16-02	17	1-				
	F	16-41						
2898 Aug. 10	0	1-35-18					4200	
	L _P	1-42-51						
	ePR ₂	1-44-18						
	i	1-44-30						
	iS	1-48-49						
	SR ₂	1-51-37						
	L _E ?	1-52-45						
	eL _N	1-53-24						
	M _{1N}	1-56-00	19		68			
	M _{1E}	1-57-15	17	185				
	M _{2N}	1-57-30	17		71			
	M _{2E}	1-59-08	15	75				
	M _{3E}	2-00-28	15	45				
	M _{3N}	2-01-04	17		93			
	M _{4N}	2-03-00	15		32			
	M _{4E}	2-10-24	15	18				
	M _{5N}	2-12-28	15		16			
	L _N	2-21 to						
	L _E	2-44 to	15		4			
	L _E	2-22 to						
L _E	2-47 to	15		5				
L _E	2-51 to							
L _E	3-52 to	15		1				
L _N	2-53 to							
L _N	3-30 to	15			1			
F	5-15							
2899 Aug. 10	e	10-04.5						
	eL _E	10-11						
	L _E	10-15	20	2	1			
	L _N	10-19	15		1			
	F	10-27						



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From..... August 10, 1927..... to..... August 18, 1927..... 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.	
2900 Aug. 10	e	11-57.3						
	i	12-10-25						
	i _E	12-14-34						
	i _N	12-15-16						
	e _L	12-32						
	M _{IN}	12-45.7	19		25			
	M _{IE}	12-48	22	54				
	M _{2NE}	12-51.4	19	33	28			
	M _{3E}	12-59	19	21				
	M _{3N}	13-04	17		15			
	M _{4E}	13-06	17	18				
	M _{5E}	13-37	15	7				
	M _{4N}	13-54	17		4			
	L _E	13-55 to 14-14	15	2				
	L _N	14-04 to 14-18	15		1			
F	15-22							
2901 Aug. 10	e _N	18-07.2						
	e _N	18-12.6						
	e _L	18-15						
	L _E	18-19	20	3				
	L _N	18-20	15		1			
	F _N	18-42						
2902 Aug. 11	e _E	6-10						
	e _L	6-14						
	L	6-17	17	1	1			
	F	6-57						
2903 Aug. 12	i	0-56-28						
	e _E	1-04.8						
	L _N	1-07	15		1-			
	F _N	1-43						
2904 Aug. 12	e _N	10-46.3						
	e _L	10-56						
	L _N	11-04	20	1-				
	L _E	11-15	15	1-	1-			
	L	11-26	13	1-	1-			
	F	11-43						
2905 Aug. 18	e	19-41-12						
	e _N	19-45-00						
	e	19-51-38						
	e _E	19-58-38						
	e _L ?	20-14						
	M _{IE}	20-21-30	24	40				
	M _{2E}	20-26-25	19	18				



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From August 18, 1927 to August 21, 1927 No. 38

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2905 Cont'd Aug. 18	M _{1N}	20-30-15	17		32			
	M _{3E}	20-30-48	17	23				
	M _{2N}	20-34-20	15		17			
	L _{1N}	21-01	15		4			
	L _{1E}	21-04	15	5				
	L _{1N}	21-30	12		1-			
	L _{1E}	21-37	12	1				
	F _{1E}	23-40						
2906 Aug. 20	e	0-07						
	L	0-19	17	1-	1-			
	F	0-33						
2907 Aug. 20	e	20-18-30						
	eL _{1N}	20-22						
	M _{1N}	20-25-15	15		6			
	L _{1N}	20-26	12	1				
	L _{1E}	20-27-35	10		2			
	F _{1N}	20-55						
2908 Aug. 20	e	22-01						
	L _{1E}	22-30	20	2				
	L _{1E}	22-38	20		2			
	L _{1N}	22-41	17	1				
	L _{1E}	22-43	15		1-			
	F _{1N}	23-47						
2909 Aug. 20	O	23-54-23					4370	
	iP	0-02-08						
	iPR _{2N}	0-03-48						
	iS	0-08-16						
	iSR ₂	0-11-20						
	eL _{1E}	0-12-12						
	eL _{1E}	0-13-48						
	M _{1N}	0-18.5	19	372				
	M _{1E}	0-19.5	17	65				
	M _{2E}	0-20-30	19		67			
	M _{1N}	0-25	15	23				
	M _{3E}	0-27-30	15		22			
	M _{2N}	0-38	15	7				
	L _{1E}	0-41	15		10			
	L _{1N}	1-02	12	3	3			
L	1-20	12	1	1				
	F	3-30						
2910 Aug. 21	e _{1N} ?	10-26-49						
	e _{1N}	10-28-26						
	e	10-33-00						
	eL	10-35.8						
	M _{1E}	10-42	19	14				
	L	10-45	15	2	1			
	F	11-28						



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From August 21, 1927 to August 26, 1927. 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.	
2911 Aug. 21	e _E	23-05.6						
	e	23-10.7						
	e _E	23-11.6						
	e _N	23-14.1						
	F _N	0-06						
2912 Aug. 22	e _N ?	3-02.0						
	e	3-06.4						
	e _L	3-11						
	L _E	3-15	20	4				
	L _N	3-16	20		2			
	L _E	3-17	15	1-				
	L _N	3-19	15		1-			
	F _N	3-43						
2913 Aug. 22	e _L	19-29						
	L	19-33 to						
		19-56	20	1-		1-		
	F	20-18						
2914 Aug. 23	e	6-53						
	e _L	7-17						
	e _L ?	7-29						
	L _E	7-32	19	4				
	L _N	7-34	15		2			
	L _E	7-51	15	1-				
	F _E	9-07						
2915 Aug. 24	e	9-20						
	e _L ?	9-43						
	L _E	9-53	17	1				
	L _N	9-57	17		1			
	F _N	10-27						
2916 Aug. 24	e _L	19-06						Early phases marked by micros
	L _N	19-10	24		4			
	L _N	19-15	20		4			
	L _N	19-22	15		3			
	F _N	19-40 ca						
2917 Aug. 27	e _L	10-43						No trace on LW component
	F	10-50						
2918 Aug. 27	e	12-54						End lost in changing sheets.
	L _E	13-04	15	1-				
	L _N	13-07	15		1-			
	L _E	13-14	13	1-				
	F _E	13-19 +						



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From August 26, 1927 to August 31, 1927 No. 49

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2919 Aug. 29	eL	6-31	20					
	L	6-34			1-			
	F ^N	6-51						
2920 Aug. 29	eL	8-25	20					
	L ^E	8-31		2				
	L ^N	8-40			1			
	L ^E	8-40		1-				
	F ^N	8-44			1-			
		9-04						

W. W. Rose



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From to No.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A_E μ	A_N μ	A_Z μ		
HALIFAX RECORD								
2898	i	1-35-21					4550	
Aug. 10	iP	1-43-19						
1927	PR ₂	1-45-00						
	iS ₂	1-49-36						
	eL	1-55						
	L	2-03						
	F	2-30						
								W.W.D.



OTTAWA, CANADA
SEISMOLOGICAL BULLETINS RECEIVED

August

SPECIAL BULLETIN

*

LOCAL REGISTER OF EARTHQUAKES FELT AT QUEBEC CITY

No.	Date and Year	Time	Remarks
30	Aug. 17, 1927	10.57 p.m., E.S.T.	Duration, 2 minutes,
		10.58 p.m., E.S.T.	5 seconds. Feeble.
		10.59 p.m., E.S.T.	Direction SSW. to N.
			Prolonged heavy rumbling
			resembling thunder was
			audible for three min-
			utes coming from the
			southwest and passing
			northward. Force III,
			R.F.S.

$\phi=46^{\circ}48'30''$ N.
 $\lambda=71^{\circ}12'15''$ W.
h=330 ft. + M.S.L.

G. M. Massey,
Local Observer,
Quebec, P.Q.

The above tremors were not recorded at Ottawa.

W. W. Hoxsue

Assistant Seismologist,
Dominion Observatory,
Ottawa, Canada.

SEISMOLOGICAL BULLETINS RECEIVED

August
1927

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

STATIONS	BULLETINS	RECEIVED
Piatigorsk.....	April to December, 1926..	August 1
Kucino.....	January, 1927.....	" 1
Pulkovo.....	January to February, 1927	" 1
Baku.....	January, 1927.....	" 1
Leningrad.....	July, 1926.....	" 1
Tashkend.....	January, 1927.....	" 1
Irkutsk.....	November, 1926.....	" 1
Sverdlovsk.....	January, 1927.....	" 1
Hamburg.....	April, May, June, 1927..	" 2
Matuyama.....	June 3-18, 1927.....	" 2
Zürich.....	Sammel Bulletin No. 70..	" 4
Paris.....	June, 1927.....	" 9
Strasbourg.....	June, 1927.....	" 9
Rome.....	July 2-15, 1927.....	" 9
St. Louis.....	Preliminary Bull. for July 28, 1927.....	" 10
Graz.....	Years 1912 to 1917.....	" 11
"	Publication on quakes of Oct. 28, 1916 and May 1, 1916	11
Sydney Observatory.....	May and June, 1927.....	" 12
Victoria.....	February, 1927.....	" 12
Helwan.....	April, May, June, 1927..	" 13
Halifax.....	Record August 9, 1927....	" 13
St. Louis.....	July 28, 1927.....	" 15
Denver.....	January 1 to March 31 and May 1 to June 1, 1927....	" 15
Saskatoon.....	Records, July 2 to Aug. 3, 1927	" 16
Perth.....	June 1 to June 30, 1927...	" 17
Victoria.....	March 3 to 30, 1927.....	" 19
Toronto.....	March 1 to 31, 1927.....	" 19
Quebec.....	August 17, 1927.....	" 28
Halifax.....	Records August 1, 1927....	" 20
Rome.....	July 16 to 29, 1927.....	" 24
La Plata.....	June, 1927.....	" 24
St. Louis.....	Preliminary Bull. for August 20-21, 1927.....	" 27
Kew.....	July, 1927.....	" 27
Helwan.....	July, 1927.....	" 27
Saskatoon.....	Records August 3 to 19, 1927	" 29

DOMINION OBSERVATORY
OTTAWA - CANADA

R. Meldrum Stewart,
Director.

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W. W. Doxsee,
Assistant Seismologist.



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

R. MELDRUM STEWART, *Director*
ERNEST A. HODGSON, *Seismologist*
W. W. DONSEE, *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.	r	v	ε	COMP.	1" tilt	DETERMINED
I.....	5.2		120	2:1	NS	displ't	Jan. 31, 1927
II.....	5.9		120	10:1	EW		Jan. 31, 1927
17.....	12.0		250	20:1	EW	42.5 mm	Feb. 8, 1927
23.....	12.0		250	20:1	NS	43.0 mm	Feb. 13, 1927
D.....	36.8		---	13:10	EW		Feb. 15, 1927
D.....	37.0		---	13:10	NS		Feb. 15, 1927
W.....	5.1		160	4:1	Vert.		Jan. 31, 1927

From September 1, 1927 to September 6, 1927. 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.	
2921 Sept. 3	O	19-47-38					4880	
	iP	19-55-58						
	iPR ₁	19-57-41						
	oPR ₂	19-58-14						
	iS	20-02-34						
	i	20-05-56						
	eL	20-08-40						
	L	20-13	15	16	12			
	L _N	20-20	15		7			
	L _E	20-27	15	5				
L _N	20-34	13			2			
L _E	20-52	13	2					
F _E	23-28							
2922 Sept. 5	eL	2-04						
	L _E	2-18	17	1				
	L _N	2-29	17		1			
	F _N	2-53						
2923 Sept. 6	eL	7-41						
	L	7-43	15	1-	1-			
	F	7-50						



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From September 6, 1927 to September 10, 1927. No. 42.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2924 Sept. 6	eL	22-29.5		.	.	.		Local?
	L _E	22-35	9	1-	.	.		
	L _E	22-48	9	1-	1-	.		
	F	23-05						
2925 Sept. 7	eL	13-34						
	L _E	13-38	20	1	.	.		
	L _N	13-39	17	.	1-	.		
	L _N	13-40	17	1-				
	F _E	14-00						
2926 Sept. 7	e _N ?	20-31						
	e _N ?	20-40						
	eL _N ?	21-00						
	L _E	21-15	20	1				
	L _N	21-17	20		2			
	L _E	21-21 to						
	L _E	21-43	17	1				
	L _N	21-21 to						
	L _E	22-00	17		1			
	L _E	21-48 to						
F	22-05	17	1-					
2927 Sept. 8	F	22-16						
	e _E ?	17-37						
	e	17-41						
	eL	18-02						
	L _N	18-13	24		2			
	L _N	18-16	20	2	1			
	L	18-22	17	1	1			
2928 Sept. 9	F	19-30						
	eL	0-32						
	L _N	0-40	24		1			
	L _E	0-42	24	1				
	F _N	1-25	20		1			
2929 Sept. 10	e	3-54-15						
	e _N	3-58.0						
	eL	4-05						
	L	4-09	20	2'	3'			
	L	4-14	13	1-	1-			
	F	4-40						
2930 Sept. 10	eL	17-40						
	L	17-50	20	2	2			
	L _E	17-52	17	2	.			
	L _N	17-54	17		1-			
	F _N	18-28						

OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From September 10, 1927 to September 16, 1927 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.	
2931 Sept. 11	0	22-15-50					7950	
	eP	22-27-08						
	eS	22-36-25						
	lS _N	22-36-30						
	iE _E	22-41-14						
	eE	22-44-34						
	eL	22-49.5						
	M _{IN}	22-57-20	19			23		
	M _{IE}	22-59-40	17	36				
	M _{2N}	23-02-45	15			24		
	M _{2E}	23-03-40	17	23				
	M _{3E}	23-10	15	12				
	L _N	23-15	15			8		
	L _E	23-40	15	3				
	L _N	23-51	15			2		
L _E	23-56	15	2					
L _E	0-33	13	1					
F	1-36							
2932 Sept. 12	e	3-31.5						
	e	3-35.4						
	L	4-02	15	2		1		
	L _E	4-13	15	1				
	L _N	4-18	13			1		
F	4-56							
2933 Sept. 12	e _N	7-11.5						
	L	7-17	17	1		1		
	F	7-27 ca.						
2934 Sept. 12	e	14-44.5						
	e _E	14-53						
	eL _N ?	14-58.5						
	L	15-07	15	2		2		
	L _N	15-15	13			1		
	L _E	15-18	13	1				
F	15-54							
2935 Sept. 13	e	10-46.0						
	e _E	10-53						
	eL _E	11-07						
	L	11-18	20	2		3		
	L _E	11-22	17	2				
	L _N	11-25	17			2		
	L _E	11-32	15	1				
F	12-52							
2936 Sept. 16	e	16-08.5						
	eL _E ?	16-18						
	L	16-37	20	2				
	L _E	16-41	20			2		
	F	17-04						



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From September 16, 1927 to September 24, 1927. 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.	
2937 Sept. 17	i _E	1-35-28						Local? Record obscured by micros.
	L	1-37.5	13	2	2			
	F	1-45 ca						
2938 Sept. 18	eL?	2-24					Micros mark record	
	L	3-04						
	L _N _E	3-10						
	F	3-22 ca						
2939 Sept. 19	e	9-30					Record obscured by micros.	
	eL	9-36						
	F	10-10						
2940 Sept. 23	e	14-18-48						
	e _N	14-25.3						
	eL _E	14-38						
	L	14-49	15	3				
	M _E _I _N	14-53	17		8			
	L	14-56	15	1	2			
	L _N	15-15	15		1			
	F	15-45						
2941 Sept. 23	eL	18-06						
	L	18-10	15	1-	1-			
	F	18-24						
2942 Sept. 24	e	6-34-36						
	e _E	6-39.4						
	eL	6-48						
	L	6-57	15	1	1			
	L _E	7-02	13	1-				
	F	7-23						
2943 Sept. 24	eL	14-21.3						
	L	14-30	17	1	2			
	L _N	14-36	15		1-			
	F	14-57						
2944 Sept. 24	eL	17-36						
	L _N	17-43	20		1			
	F	17-57						
2945 Sept. 24	e	17-59-24						
	eL	18-12						
	L _E	18-17	19	3				
	L	18-20	15		4			
	L _N	18-25	15		2			
	L _N	18-27	15	1				
	L _E	18-34	13		1-			
	F _N	19-12						



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From Sept. 24/1927 to Sept. 30/1927 No. 45

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2946 Sept 25	eL F	17-50 18-09					Trace only.	
2947 Sept 30	eL _E eL L _E L L F _N	8-01-45 8-13 8-30 8-36 8-39 9-22	20 17 15	1 1	2 1			

W. W. Dorsee

September, 1927



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

STATIONS	BULLETINS	RECEIVED
Zurich.....	Sammel Bulletin No. 71....	Sept. 1
Zi-ka-wei.....	May 22 to July 7, 1927...	" 3
Rome.....	July 30 to August 12, 1927	" 6
La Paz.....	March 5 to May 22, 1927...	" 7
Toledo.....	January and February, 1927	" 9
Almeria.....	do.	" 9
Malaga.....	do.	" 9
Alicante.....	do.	" 9
Stonyhurst.....	January to June, 1927.....	" 10
Paris.....	July, 1927.....	" 12
Strasbourg.....	do.	" 12
Matuyama.....	July 1-7, 1927,.....	" 13
Hohenheim.....	Jan. 8 to Mar. 24, 1925; April 11 to June 30, 1927.	" 13
Württemberg.....	Jan. 8 to Mar. 22, 1925; April 13 to June 26, 1927.	" 13
St. Louis.....	August 5-21, 1927.....	" 14
Stonyhurst.....	July to August, 1927.....	" 14
Manila.....	May 1-31, 1927.....	" 16
Cartuja.....	May, 1927.....	" 17
San Fernando.....	April, May, June, 1927....	" 19
St. Louis.....	Prelim. Bull. Sept. 11, 1927	" 19
Toledo.....	March and April, 1927.....	" 19
Almeria.....	do.	" 19
Malaga.....	do.	" 19
Alicante.....	do.	" 19
Melbourne.....	April 1 to June 28, 1927..	" 21
Perth.....	June 30 to July 31, 1927..	" 21
Tiglis.....	January 1927.....	" 22
Saskatoon.....	Records Aug. 19 to Sept. 10, 1927.....	" 22
Helwan.....	August, 1927.....	" 26
Rome.....	August 13 to 26, 1927.....	" 27
Toronto.....	April 1-30, 1927.....	" 27
Victoria.....	do.	" 27
Frankfurt.....	April 13 to June 30, 1927.	" 29
Kew.....	August, 1927.....	" 30
Leningrad.....	January, 1927.....	" 30
Sverdlovsk.....	February, 1927.....	" 30
Kucino.....	February and March, 1927..	" 30
Baku.....	February, 1927.....	" 30
Tachkent.....	do.	" 30
Mukeevka.....	February and March, 1927..	" 30
Pulkovo.....	March, 1927.....	" 30

DOMINION OBSERVATORY
OTTAWA - CANADA

R. Meldrum Stewart,
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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.	r	v	ε	COMP.	1" tilt displ't	DETERMINED
I.....	5.2		120	2:1	NS		Jan. 31, 1927
II.....	5.9		120	10:1	EW		Jan. 31, 1927
17.....	12.0		250	20:1	EW	42.5 mm	Feb. 8, 1927
23.....	12.0		250	20:1	NS	43.0 mm	Feb. 13, 1927
D.....	36.8		---	13:10	EW		Feb. 15, 1927
D.....	37.0		---	13:10	NS		Feb. 15, 1927
W.....	5.1		160	4:1	Vert.		Jan. 31, 1927

From..... Oct. 1, 1927..... to..... Oct. 2, 1927..... No. 46.....

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2948 Oct. 1	e ^N ?	0-39.6						
	e ^L ?	0-43						
	L ^E	0-52	17	1				
	L ^E	1-13	17	1-	1-			
	F	1-32						
2949 Oct. 2	O	4-47-58					3530	
	i ^P	4-54-41						
	i	4-55-58						
	i ^S	5-00-00						
	e ^L ?	5-02.5						
	L ^E	5-10	10	5				
	L ^E	5-12	12		5			
L ^N	5-19	10		2				
F ^N	6-15							
2950 Oct. 2	e	9-41.2						
	e ^L	9-47						
	L ^N	9-51	12		1			
	L ^E	9-52	10	1				
	F ^N	10-00	10		1-			
		10-25						



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

October 2, 1927 ————— October 11, 1927

47.

From to No.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
2951 Oct. 2	eL L _E F	h 21-44 21-47 21-53	s 15	μ 1	μ 1	μ	km.	
2952 Oct. 4	i e _N eL L _E L _E F _N	0-06-30 0-15.2 0-26 0-40 0-43 0-50	 17 15	 1-	 1			
2953 Oct. 5	eL L _N L _E F _E	8-43 8-55 8-57 9-19	 20 20	 1-	 1			
2954 Oct. 5	e F	21-32 21-37						Trace only
2955 Oct. 6	eL L F _H	21-36 21-39 21-44	12		1			Micros mask record
2956 Oct. 6	eL F	22-46 22-50						
2957 Oct. 8	e eL L F	11-22 11-31 11-35 11-52	 20	 1	 1			
2958 Oct. 8	e L _E L _E F _N	13-15.5 13-23 13-29 13-49	 20 20	 1	 1			
2959 Oct. 9	eL L _E F	4-57 5-01 5-08	20	1-				
2960 Oct. 9	eL F _H	5-53 6-02						No trace on E.W. component.
2961 Oct. 11	e _N ? eL L _E L _N L _E F _E	0-16 0-23 0-29 0-32 0-34 1-00	 20 15 15	 1 1	 1			
2962 Oct. 11	eL F	5-31 5-39						No trace on E.W. component



CANADA



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From October 11, 1927 to October 21, 1927 No. 48

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2963 Oct. 11	e	17-53						
	eL	18-12						
	F	18-43						
2964 Oct. 12	eL	7-23						
	L _E	7-35	19	1				
	L _N	7-36	17		1			
	F _N	7-53						
2965 Oct. 12	eL	8-55						
	L _N	9-03	17	1-	1-			
	F	9-12						
2966 Oct. 15	eL _E	12-06						
	L _E	12-09	20	1-	1-			
	F	12-24						
2967 Oct. 16	eL	13-37						
	L _E	13-42	20	1				
	L _N	13-45	17		1			
	L _E	13-51	17	1				
	F _E	14-20						
2968 Oct. 16	eL	15-15						
	L	15-35	20	2	1-			
	F	16-07						
2969 Oct. 16	e	16-11-40						Small irregular trace
	F	16-40						
2970 Oct. 19	e	14-57						
	eL	15-05						
	L	15-07	20	1	1			
	L	15-11	17		1			
	L _N	15-14	17	1				
	F _E	15-23						
2971 Oct. 19	eL _E	23-22						
	L _E	23-39	20	1	1			
	L _N	23-42	17		1			
	F _N	23-55						
2972 Oct. 21	e _{E?}	1-15.5						
	eL _{E?}	1-23						
	eL _N	1-26						
	L _E	1-30	20	1-				
	L _E	1-34	20		1-			
	F _N	1-39						



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

October 21, 1927.

October 28, 1927.

49.

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

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
2973 Oct. 24	O	15-59-36	s	μ	μ	μ	km. 4260	
	iP	16-07-13						
	erR ₂	16-08-41						
	iS ₂	16-13-15						
	iSR _{1E}	16-15-37						
	SR ₂	16-16-14						
	iL	16-18-12						
	M _{1E}	16-20	?	?				
	M _{1N}	16-21.7	?		?			
	M _{2E}	16-23	8	(160)				
	M _{2N}	16-26.5	8		(231)			
	M _{3E}	16-26.5	10	(181)				
	M _{4E}	16-30	12	173				
	M _{3N}	16-30.1	10		122			
	M _{4N}	16-32.4	12		214			
	M _{5N}	16-34.8	12		228			
	M _{6N}	16-37.6	12		181			
	M _{5E}	16-38	12	196				
	M _{6E}	16-42	12	154				
	M _{7E}	16-44.8	13	104				
	M _{7N}	16-48.5	13		83			
	M _{8E}	16-49	13	92				
	M _{8N}	16-51.4	13		101			
	M _{9E}	16-55	13	65				
	M _{10E}	17-01.2	13	51				
	M _{9N}	17-03.3	15		61			
	M _{11E}	17-07	13	38				
	M _{10N}	17-13.5	12		36			
	L	17-34 to						
	L	18-14 to	(12)	(12)	(6)			
	L	18-14 to						
	L	19-41	Irregular					
	L _E	20-06	"					
	L _F	20-08	"					
	F _N	20-40						
2974 Oct. 25	e	18-19						Marked by micros
	F	18-30						
2975 Oct. 27	eL	8-33						
	L _E	8-37	20	1				
	L _N	8-40	19		1			
	L _N	8-50	15	1-	1			
	F	9-11						
2976 Oct. 28	e _E	16-11						
	e _N	16-15						
	e _L	16-19						
	L _N	16-25	17		1			
	L _E	16-28	17	1				
	F _E	16-45						



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From.....October 28, 1927.....to.....October 31, 1927.....No.....50.....

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
2977 Oct. 30	e	3-23						
	eL	3-27						
	L _E	3-30	20	2				
	L _E	3-31	15		1			
	L _E	3-37	12	1	1			
	F	4-05						
2978 Oct. 31	eL	18-43						
	L _E	18-47	20	1				
	F _E	19-07						

W. W. Doree



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

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.	
SASKATOON RECORD.								
2973 Oct. 24	0	15-59-31					2050	
	iP	16-03-49						
	iS	16-07-17						
	L	16-08-15						
	M ₁ N	16-09-10		5				
	M ₁ E	16-09-18		5				
	M ₂ N	16-14.7		8				
	M ₂ E	16-19.2		8				
	M ₃ E	16-21.5		8				
	M ₃ N	16-21.8		8				
	M ₄ E	16-22.6		8				
	M ₅ E	16-25.8		9				
	M ₄ N	16-26.3		9				
	M ₅ N	16-27.2		9				
	M ₆ E	16-28.0		9				
	M ₇ E	16-28.9		9				
	M ₆ N	16-29.5		9				
	M ₈ E	16-30.1		9				
	M ₇ N	16-31.5		9				
	M ₈ N	16-32.4		9				
	M ₉ N	16-33.8		9				
	M ₁₀ N	16-35.3		9				
	M ₁₁ N	16-36.9		9				
	M ₁₂ N	16-38.4		10				
	M ₁₀ E	16-41.9		10				
	M ₁₃ N	16-42.9		10				
	M ₁₄ N	16-46.6		10				
	M ₁₅ N	16-47.3		10				
M ₁₆ N	16-49.4		10					
M ₁₇ N	16-54.0		10					
M ₁₈ N	16-58.4		10					
L _E	16-55 to 17-27							
L _N	17-06 to 17-20							
L _N	17-20 to 18-04							
F	18-13							

W.W.D.

SEISMOLOGIC BULLETINS RECEIVED

October, 1927.



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

STATIONS	BULLETINS	RECEIVED
Rome.....	August 27 to September 9, 1927	Oct. 3
Fordham.....	June 15 to August 31, 1927...	" 4
Barcelona.....	Sept. 2, 1926 to April 19, 1927	" 4
Algiers.....	June 1 to August 31, 1927....	" 4
Wellington	Jan. 25 to Aug. 31, 1923: April 3 to Aug. 31, 1924.....	" 5
Tacubaya.....	Years 1925 and 1926.....	" 5
Matuyama.....	Aug. 5-31, 1927.....	" 5
LaPlata.....	August, 1927.....	" 6
Cartuja.....	May 23 to July 31, 1927.....	" 6
Karlsruhe.....	Oct., Nov. and Dec. 1926 January to June, 1927.....	" 7
Zi-ka-wei.....	July 7-30, 1927.....	" 8
Tokyo.....	September, 1927.....	" 8
Georgetown.....	July 1 to August 30, 1927....	" 10
Paris.....	Aug. 1-31, 1927.....	" 11
Strasbourg.....	ditto	" 11
Besancon.....	July 1-31, 1927.....	" 11
Baku.....	March, 1927.....	" 14
Sverdlovsk.....	ditto	" 14
Irkutsk.....	December, 1926.....	" 14
Sammel.....	Aug. 18 to Sept. 23, 1927....	" 14
Stonyhurst.....	September, 1927.....	" 17
Saskatoon.....	Records Sept. 10 to Oct. 5, 1927	" 17
Rome.....	Bollettino Sismico, Fase. 1 and 2. Years 1918-19.....	" 18
Apia.....	April to June, 1927.....	" 19
Moncalieri.....	Year 1926.....	" 19
Sydney, N.S.W.....	August 5-18, 1927.....	" 20
Rome.....	September 10-23, 1927.....	" 21
Toronto.....	May 1-31, 1927.....	" 21
Nagoya.....	July and August, 1927.....	" 21
Spokane.....	June 1 to July 28, 1927.....	" 22
St. Louis.....	Sept. 11-18, 1927.....	" 22
U.S. Coast and Geodetic Survey.....	Seismological Report, January to March, 1926	" 24
Reykjavik.....	May 11, 1926 to July 14, 1927	" 24
Victoria.....	May 2-23, 1927.....	" 25
LaPaz.....	May 22 to September 6, 1927..	" 26
Kew.....	September, 1927.....	" 27
Helwan.....	September 3-24, 1927.....	" 27
Saskatoon.....	Record Oct. 23-24, 1927.....	" 27
Halifax.....	Record Oct. 24, 1927.....	" 28
Rome.....	Sept. 24 to Oct. 7, 1927.....	" 28
Manila.....	June 1-30, 1927.....	" 29
Matuyama.....	September 5-30, 1927.....	" 31
Domodossola.....	July, August, September, 1927.	" 31

DOMINION OBSERVATORY
OTTAWA, CANADA.

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Director.

Ernest A. Hodgson,
Seismologist.

W. W. Doxsee,
Assistant Seismologist.



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From.....November 4, 1927.....to.....November 9, 1927.....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.	
2980 Cont'd Nov. 4	M _{7E}	14-22	10	62				
	M _{7N}	14-24.1	12		61			
	M _{8E}	14-24.5	10	70				
	M _{8N}	14-29.8	12		50			
	M _{9E}	14-34.4	10	47				
	M _{10E}	14-42.2	12	25				
	L _N	14-42 to						
		14-57	12		13			
	L _N	14-58 to						
		15-18	12		4			
	L _E	15-05 to						
		15-39	12	5				
	L _N	15-18 to						
		16-05	Irr.					
L _E	15-39 to							
	16-05	Irr.						
	LR _{1?}	16-34						May be another
	F	17-41 ca.						quake
2981 Nov. 6	e	2-55.2						
	eL	2-58.4						
	M _{1E}	3-01-45	12	14				
	L _N	3-02-32	10		3			
	M _{2E}	3-02-35	12	8				
	L _E	3-05	8	3				
	F	3-34						
2982 Nov. 6	L	16-14						Trace only
	F	17-00						
2983 Nov. 7	e _E	0-41						
	eL	1-01						
	L _N	1-07	20		2			
	L _E	1-09	20	2				
	L _E	1-18	17	1				
	F _E	1-34						
2984 Nov. 8	e _E	3-30.0						
	e _N	3-38						
	eL	4-19						
	L	4-28	20	7	4			
	L	4-33	17	10	8			
	L _E	4-40	17	2				
	L	5-07	17	2	1			
F	5-41							
2985 Nov. 9	e _N	1-43.8						
	e _E	1-48						
	eL	2-00						
	L	2-11	20	1	2			
	L _E	2-24	20	1				
	L _N	2-37	20		1-			
F	2-53							



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From..... November 9, 1927..... to..... November 14, 1927..... 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.	
2986 Nov. 10	eL	4-05						
	L _E	4-11	20	1				
	L _E	4-14	20		1			
	FN	4-29						
2987 Nov. 12	eL	1-12						
	F	1-18						
2988 Nov. 12	e	12-55						Trace only
	F	13-01						
2989 Nov. 12	eL _E	15-27						
	L	15-37	20	1-	1-			
	F	15-57						
2990 Nov. 12	e	22-13.6						
	L	22-16-15	5	3	4			
	L	22-20 to 22-36	Irr.	1-	1-			
	F	22-51						
2991 Nov. 12	e	23-21.5						Local
	F	23-22						May not be seismic
2992 Nov. 14	i _N	0-22-34						
	e _N	0-26-20						
	e _N	0-31-04						
	eL	0-39						
	M ₁ ^{E?}	0-46-45	22	26	11			
	M ₂ ^{E?}	0-51-10	18	19				
	M ₂ ^N	0-52-15	15		18			
	L _E	0-53	15	7				
	M ₃ ^N	0-56-36	15		15			
	L _N	0-58	11		6			
	L _E	1-02	11	2				
	L _E	1-09	11		2			
	F _N	2-09						
2993 Nov. 14	e _N ?	5-07						
	e _N ?	5-11						
	e _N ?	5-15-28						
	eL _E	5-22						
	M ₁	5-31-00	22	73	20			
	M ₂ ^E	5-33-45	19	28				
	M ₂ ^N	5-37-45	19		30			
	M ₃ ^N	5-40-45	13		11			
	L _E	5-44	13	4				
	L _N	5-55	11		3			
L _E	6-17	13	2					
F	7-00 ca.							



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From November 14, 1927 to November 16, 1927 No. 54.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
2994 ov.14	O	7-19-27					8420	
	iP _N	7-31-10						
	ePR _N ?	7-34-28						
	iS _N	7-40-51						
	eSR _{IE}	7-46-12						
	eL _N	7-55.5						
	M _{IN}	8-04	22		20			
	L _{IN}	8-05	17	7				
	L _E	8-09	17		9			
	L _N	8-14	17	4	5			
	L _N	8-23	15		2			
L _N	9-40	22		3				
FN	10-16					May be another quake		
2995 ov.14	e	15-41.5						
	eL	15-55						
	L	16-10 to 16-30	20	1-	1-			
	F	17-15 ca.						
2996 ov.15	e	8-40-26						
	e _N	8-44-04						
	e	8-48-12						
	i _N	8-49-30						
	eL	8-55.5						
	L _E	9-01	13	7				
	L _N	9-09	17		4			
	L _E	9-11	13	2				
L _E	9-16	12	1	1				
F	10-07							
2997 ov.15	e	22-15.2						
	eL	22-21						
	L	22-28	17	1	2			
	L	22-34	13	1-	1-			
	F	23-07						
2998 ov.16	O	(21-10)					(13400)	
	PR ₁	21-30-52						
	ScP S	21-36-00						
	PS	21-40-7						
	SR ₁	21-47-44						
	eL ₁	22-06.7						
	M _{IE}	22-16	22	12				
	M _{IN}	22-17	30		24			
	M _{2N}	22-25	20		13			
	L _N	22-28	20		8			
	M _{2E}	22-32	17	9				
	L _{2E}	22-38	17		2			
	L _N	22-55	15	2	2			
	L _N	23-03	20		2			
FN	0-11 ca.							



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

November 16, 1927 ~~November 21, 1927~~ 55.

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

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
2999 Nov. 17	eL	14-50 s	s	μ	μ	μ	km.	
	L	15-07	17	1-	1-			
	L ^N	15-10	15					
	F ^E	15-23						
3000 Nov. 17	eL	15-29						
	L	15-37	20	1	1			
	L	15-50	17	1-	1-			
	F	16-18						
3001 Nov. 17	i	21-14-28						
	F	21-35						
3002 Nov. 18	e ^N	3-45-09						
	e	3-55.0						
	e	4-01-45						
	eL ^{E?}	4-20						
	L ^{E?}	4-26	24	2	2			
	L	4-37	20		1			
	L ^N	4-39	17	1				
	F ^N	5-32	17		1			
3003 Nov. 18	e	7-51-40						
	eL	8-00						
	L	8-04	20	1	1			
	F	8-25						
3004 Nov. 19	eL	3-51					Barely discernible on EW component	
	F ^N	4-02						
3005 Nov. 19	e ^N	7-00-45						
	i ^N	7-05-34						
	eL	7-12						
	L ^N	7-18	20	1-	5			
	F ^N	8-15 ca.	15		1			
3006 Nov. 19	eL ^{N?}	8-21					No trace on EW component	
	L ^N	8-26	20		1			
	L ^N	8-52	15		1-			
	F ^N	9-11						
3007 Nov. 21	e ^N	15-32.0						
	eL	15-33						
	M ^N	15-34-04	4	8	?			
	L ^E	15-35 to						
	L ^E	15-38	4	2				
	L ^N	15-37 to						
F	15-52	6?		1-				
		16-17						



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From November 21, 1927 to November 30, 1927 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.	
3008 Nov. 21	e _N	19-00-30						
	e	19-08.0						
	eL _E ?	19-15						
	L _N	19-20	20		1-			
	L _N	19-33	17		1-			
	F _N	19-44						
3009 Nov. 21	0	23-12-47					9600	
	eP _N	23-25-30						
	PR _N	23-29-16						
	iS _N	23-36-10						
	iS _E	23-36-28						
	i _N	23-37-30						
	SR ₁	23-42-28						
	SR _{2N}	23-46-16						
	e	23-49.5						
	eL _E	23-53						
	eL _N	23-56.5						
	L _N	0-01	24	10				
	L _E	0-02-15	26			78		
	L _{IN}	0-08.0	24			31		
	L _{2N}	0-09	23	4				
	L _E	0-11-45	22			27		
	L _{3N}	0-22 to						
	L _N	0-45	20			5		
L _N	0-50 to							
L _N	1-52	17			2			
L _N	1-53	20			5			
F _N	2-27							
3010 Nov. 25	e?	20-08.8						Only a faint trace on E.W. component.
	e _N	20-11-15						
	eL _N	20-18						
	F _N	20-43						
3011 Nov. 26	0	12-53-53					7560	
	iP _N	13-04-51						
	iS _N	13-13-49						
	eL _E	13-26						
	eL _N ?	13-29						
	L _N	13-41	20			2		
F _N	14-26							
3012 Nov. 27	e _N ?	6-42.7						No trace on E.W. component.
	eL _N	6-49.5						
	F _N	7-02						
3013 Nov. 28	eL _N	11-07						Faint trace on E.W. at 11-17
	L _N	11-17	17			1-		
	F _N	11-45						

W. W. Doxsee



OTTAWA, CANADA
SEISMOLOGIC STATION, DOMINION OBSERVATORY

From to No.

No. and Date	Phase	Time h m s	Period s	Amplitude			Distance km.	Remarks
				A _E μ	A _N μ	A _Z μ		
SESKATOON RECORD								
2980 Nov. 4	0	13-50-39					2250	
	iP	13-55-19						
	iS	13-59-03						
	iJ	14-01						
	M ₁	14-02.5						
	M _{2N}	14-03.8						
	M _{2E}	14-04						
	M _{3N}	14-04.3						
	M _{3E}	14-05.8						
	M _{4N}	14-06.4						
	M _{5N}	14-07.1						
	M _{4E}	14-08						
	M _{5E}	14-09.7						
	M _{6N}	14-10.5						
	M _{7N}	14-11.1						
	M _{6E}	14-11.1						
	M _{8N}	14-12.8						
	M _{7E}	14-13.8						
	M _{8E}	14-15.4						
	M _{9N}	14-16.5						
M _{10N}	14-20.2							
M _{11N}	14-20.5							
M _{9E}	14-20.5							
M _{12N}	14-24.5							
M _{12N}	14-29.6							
M _{10E}	14-35.6							
L _{13N}	14-36 to							
		14-54						
L _N	14-52 to							
		15-11						
F		15-35 ca.						

W.W.S.

SEISMOLOGICAL BULLETINS RECEIVED

November

1927



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

STATIONS	BULLETINS	RECEIVED
St. Louis.....	Supplementary Bull. Oct. 24 '27	Nov. 3
do.	Preliminary Bull. Oct. 24 '27	" 8
Saskatoon.....	Record November 4, 1927.....	" 9
Batavia.....	April, May, June, 1927.....	" 14
Stonyhurst.....	October, 1927.....	" 14
LaPlata.....	September, 1927.....	" 14
Berkeley.....	October 1, 1926 to March 31, 1927	" 14
Lick.....	ditto	" 14
San Fernando.....	July, August, September, 1927	" 14
Manila.....	July 1 to August 31, 1927...	" 14
Halifax.....	Record November 4, 1927.....	" 14
Jena.....	April, May and June, 1927...	" 15
do.	Der Einfallswinkel des anormalen Luftschalles.....	" 15
do.	Verzeichnis der Stärkeren seismischen Registrierungen	" 15
Strasbourg.....	September, 1927.....	" 15
Paris.....	ditto	" 15
Saskatoon.....	Records Oct. 5 to Nov. 8, 1927	" 15
Georgetown.....	Seismological Despatches September and October, 1927..	" 16
Athens.....	January 1 to February 23, 1927	" 17
Sydney, N.S.W.....	September 3-19, 1927.....	" 17
Hamburg.....	July to September, 1927.....	" 17
St. Louis.....	Preliminary Bull. Nov. 4-8, 1927	" 21
do.	Supplementary Bull. Nov. 4, 1927	" 21
Rome.....	October 8-21, 1927.....	" 22
Helsingfors.....	March 14 to July 25, 1927...	" 22
LaPlata.....	Year 1925.....	" 24
Algiers.....	September 3 to October 31, 1927	" 24
St. Louis.....	Preliminary Bull. Nov. 14 and Nov. 16, 1927.....	" 24
Fordham.....	September 1 to October 31, 1927	" 26
Kew.....	October, 1927.....	" 28
Frankfurt.....	July 1 to September 30, 1927.	" 28
Matuyama.....	October 1-30, 1927.....	" 28
Halifax.....	Records.....	" 30

DOMINION OBSERVATORY
OTTAWA - CANADA

R. Meldrum Stewart,
Director.

Ernest A. Hodgson,
Seismologist



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.	r	v	ε	COMP.	1" tilt displ't	DETERMINED	
							Date	Time
	5.2		120	2:1	NS		Jan. 31, 1927	
I.....	5.9		120	10:1	EW		Jan. 31, 1927	
II.....	12.0		250	20:1	EW	42.5 mm	Feb. 8, 1927	
17.....	12.0		250	20:1	NS	43.0 mm	Feb. 13, 1927	
23.....	36.8		---	13:10	EW		Feb. 15, 1927	
D.....	37.0		---	13:10	NS		Feb. 15, 1927	
D.....	5.1		160	4:1	Vert.		Jan. 31, 1927	
W.....								

From December 1, 1927 to December 11, 1927 No. 57.

No. and Date	Phase	Time	Period	Amplitude			Distance	Remarks
				A _E	A _N	A _Z		
		h m s	s	μ	μ	μ	km.	
3014 Dec. 1	i _N	5-00-15						
	e _N	5-16.6						
	e _L	5-41						
	L _N	5-51	24		3			
	L _N	6-16	20		2			
	F _N	6-55						
3015 Dec. 5	e _L	18-44						
	L	18-49	20	1-	1			
	F	19-07						
3016 Dec. 11	e _E ?	16-03						
	e	16-09						
	e	16-26						
	L	16-40	17	2	2			
	L _N	16-45	15		1			
	L _N	16-47	15	2				
	L _E	16-58	15					
F _N	17-30				1			
3017 Dec. 11	e	17-48						
	L	18-40	20	1	1			
	F	19-33						



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From December 11, 1927 to December 28, 1927 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.	
3018 Dec. 12	L ^N	14-21	20		1			Only a faint trace on EW component
	L ^N	14-35	15		1-			
	F ^N	14-45						
3019 Dec. 12	e ^N	19-44.7						
	e ^N	19-52						
	L	19-59	20	1	1			
	L	20-04	15		1			
	L ^N	20-09	15	2				
	L ^E	20-16	15		1-			
	L ^N	20-19	15	1				
	L ^E	20-35	15	1-				
3020 Dec. 18	L	4-11	(20)	?	?			Record marked by micros.
	F	4-17						
3021 Dec. 24	i	4-41-26						
	e ^N	4-46.5						
	e ^N	4-51						
	F ^E	5-10						
3022 Dec. 27	e	23-44-30						
	eL?	23-54						
	F	0-12						
3023 Dec. 28	e	9-15						
	e ^N	9-20.0						
	eL	9-30						
	L	9-38	13	2	3			
	L	9-44	12	1	1			
	F	10-17						
3024 Dec. 28	0	18-20-26					7720	L waves irregular with gradual diminishing amplitude.
	iP	18-31-32						
	iS	18-40-38						
	iSR ₁	18-45-41						
	iSR ₂	18-48-41						
	eL ₂	18-51-45						
	iN	18-53-50						
	iE	18-54-05						
	M ₁	18-59-45	15	95	93			
	M ₂	19-03-30	15	118	118			
	M ₃	19-09-38	13	52	52			
	M ₄	19-14-52	13	30	30			
	L	19-25 to 20-04						
	L	20-04 to 20-29						
F	22-10 ca.							



OTTAWA, CANADA

SEISMOLOGIC STATION, DOMINION OBSERVATORY

From December 28, 1927 to December 31, 1927 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.	
3025 Dec. 30	e _N	12-39.4						Clock stopped on EW component Milne-Shaw.
	e _N	12-43-04						
	e _L _N	12-45						
	M _{IN}	12-51	12		4			
	L _N	12-55 to 13-21	12		1-			
	F	13-41						
3026 Dec. 31	e	19-20.3						
	e _L	19-24.0						
	M _{IN}	19-27-04	5		17			
	M _{IE}	19-27-08	5	16				
	M _{2E}	19-29-35	7	7				
	M _{2N}	19-29-42	7		6			
	L	19-31 to 19-39	Irr					
	L	19-40 to 20-00	Irr					
F	20-30 ca.							
3027 Dec. 31	e _N	23-57						
	e _E	0-13						
	e _L	0-19						
	L	0-34	20	1	1			
	L	0-51	15	1-	1-			
	F	1-22						

W. W. Houssee

SEISMOLOGIC BULLETINS RECEIVED

December
1927



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

STATIONS	BULLETINS	RECEIVED
Toronto.....	June 2-30, 1927.....	December 2
Vidtoria.....	June 2-30, 1927.....	" 2
St. Louis.....	Preliminary Bulletin November 21, 1927.....	" 2
Rome.....	Oct. 22 to Nov. 4, 1927.	" 2
Osaka.....	Jan. 7 to Feb. 19, 1927.	" 7
Mizusawa.....	Year 1926.....	" 7
Karlsruhe.....	July, August, September, 1927	" 7
St. Louis.....	Preliminary Bulletin, November 26, 1927.....	" 9
do.	November 4-28, 1927.....	" 9
Denver.....	Oct. 24; Nov. 4-25, 1927.	" 9
Taihoku.....	May 6 to July 2, 1927...	" 9
Manila.....	August 1 to September 30, 1927	" 10
LaPlata.....	October, 1927.....	" 12
Tacubaya.....	Report of the Institute of Geology for Mexico, 1926.	" 13
Helwan.....	October, 1927.....	" 13
Georgetown.....	Seismological Despatches November, 1927.....	" 14
Spain (Institute Geografico).....	May and June, 1927.....	" 14
Paris.....	October, 1927.....	" 15
Strasbourg.....	ditto	" 15
Zi-ka-wei.....	August, 1927.....	" 17
Stonyhurst.....	November, 1927.....	" 19
Taihoku.....	July 3 to August 25, 1927	" 19
Bulgaria.....	May to September, 1927...	" 20
Sydney, N.S.W.....	October 16-31, 1927.....	" 22
Cincinnati.....	November 4-15, 1927.....	" 22
Sammell.....	Sept. 23 to Nov. 15, 1927	" 22
Valle di Pompei.....	May to December, 1926....	" 27
Rome.....	November 5-25, 1927.....	" 27
Nagasaki.....	March 1 to July 31, 1927.	" 27
Kew.....	November, 1927.....	" 28
Konigsberg.....	July 1 to December 31, 1927	" 30

DOMINION OBSERVATORY
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