SEISMOLOGICAL SERVICE OF CANADA

SEISMOLOGICAL BULLETIN

January and February

1946

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DOMINION OBSERVATORY
OTTAWA - CANADA

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SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

R. Meldrum Stewart, Dominion Astronomer
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S T A T I O N S

OTTAWA

ϕ = 45°23'38" N. λ = 75°42'57" W. h = 83m.

Time correction within 0.10s.

Foundation: boulder clay over limestone

Instruments: Milne-Shaw NS and EW components, designated 23 and 17, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 1 lb.

Benioff Vertical, short and long period, designated BS and BL, respectively, photographic registration, BS a paper speed of 60 mm. per min., BL a paper speed of 30 mm. per min., mass 235 lbs.

HALIFAX

Dalhousie University

ϕ = 44°38' N. λ = 63°36' W. h = 46m.

Time correction from recorded radio time signals

Foundation: Carbonaceous slate

Instruments: Bosch NS and EW components, designated HN and HE, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 200g.

SEVEN FALLS

Quebec Power Company

ϕ = 47°07'.4 N. λ = 70°49'.6 W. h = 232m. ca.

Time correction from recorded radio time signals

Foundation: Solid granite of Canadian Shield

Instruments: Wood-Anderson and Milne-Shaw, both EW component, designated SF and SM, respectively, each with photographic registration, magnetic damping, SF a paper speed of 60 mm. per min. and mass 15g., SM a paper speed of 8 mm. per min. and mass 1 lb.

VICTORIA

Dominion Astrophysical Observatory

ϕ = 48°31'14" N. λ = 123°24'56" W. h = 197m.

Time correction from recorded radio time signals

Foundation: rock

Instruments: Milne-Shaw NS and EW components, designated 21 and 20, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

Wiechert Vertical, designated WV, smoked sheet registration, air damping, paper speed of 15 mm. per min., mass 80 kg.

SHAWINIGAN FALLS

Shawinigan Water and Power Company

ϕ = 46°33'.1 N. λ = 72°45.8'W. h = 60m. ca.

Time correction from recorded radio time signals

Foundation: solid granite of Canadian Shield

Instrument: Wood-Anderson NS component, designated SA, photographic registration, magnetic damping, paper speed of 60 mm. per min., mass 15g.

SASKATOON

University of Saskatchewan

ϕ = 52°08' N. λ = 106°38' W. h = 515m.

Time correction from radio time signals

Foundation: clay and sand

Instrument: Milne-Shaw NE component, designated SN, photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

KIRKLAND LAKE

Lake Shore Mines

ϕ = 48°09' N. λ = 80°03' W. h = 320m.

Time correction from recorded radio time signals

Foundation: rock

Instrument: Converted Heiland Field Seismometer, vertical component, designated KL, photographic registration, paper speed of 30 mm. per min.

DETERMINED CONSTANTS

INSTRUMENT	To	V	ε	DISPLACEMENT FOR 1" ARC TILT	DISPLACEMENT FOR 10^{-6} g
17 (Ottawa)	12.0	300	20:1	50 mm.	
23 (Ottawa)	12.0	300	20:1	50 mm.	
BS (Ottawa)	1.0				5 mm.
BL (Ottawa)	1.0				16 mm.
HN (Halifax)	5.0	125	20:1		
HE (Halifax)	5.0	125	20:1		
SA (Shawinigan)	1.0	2500			
20 (Victoria)	12.0	300	20:1		
21 (Victoria)	12.0	300	20:1		
WV (Victoria)	4.0	120	15:1		
SF (Seven Falls)	1.0	2500			
SM (Seven Falls)	12.0	300	20:1	50 mm.	
SN (Saskatoon)	10.0	150	20:1	18 mm.	
KL (Kirkland Lake)	1/30	2×10^4	at 30	cycles	

NOTE:- Universal Time used throughout.

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM January 1, 1946 to January 5, 1946 No. 1

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
1 Jan. 4	H	19 43.8	4100	
	P	19 50 57		
	S	19 56 50		
	SS	19 59.1		
	L	20 02		
	F	20 26		
		Ottawa		
2 Jan. 5	H	1 15.4	3280	USCGS. gives:-
	P	1 21 30		ϕ = 15°.5 N.
	PP	1 22 16		λ = 91° W.
	PPP	1 22 40		
	S	1 26 32		
	SS	1 27.7		
	L	1 30		
	F	2 00		
		Saskatoon		
	e	1 24.9		
	i	1 29 13		
	L	1 31		
	F	1 53		
		Seven Falls		
	H	1 15.4	3610	
	P	1 21 58		
	S	1 27 21		
	L	1 30		
	F	2 08		
		Shawinigan Falls		
	H	1 15.4	3520	
	P	1 21 48		
	PPP	1 22 59		
	S	1 27 05		
	L	1 31		
	F	1 41		
		Ottawa		
3 Jan. 5	H	19 57.2	13,700	USCGS. gives:-
	P'Z	20 16 09		ϕ = 16° S.
	PP	20 17 42		λ = 167° E.
	SKS	20 23 42		
	PS	20 27.2		
	SS	20 34.2		
	L	20 54		
	F	22 36		
		Victoria		
	e	20 10.5		
	i	20 20 39		
	i	20 22 22		
	L	20 38		
	F	22 43		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM January 5, 1946 to January 11, 1946 No. 2

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
3 Jan. 5 (Cont'd)	H	19 57.4	11,200	
	PP	20 15 19		
	SKS	20 21 41		
	PS	20 24 19		
	SS	20 30 08		
	SSS	20 33.3		
	L	20 38		
	F	22 52		
		Halifax		
	H	19 57.2	14,700	
	SKP	20 19.8		
	PPS	20 30.6		
	SS	20 36		
	L	20 52		
	F	22 14		
		Seven Falls		
	H	19 57.4	13,800	
	P'	20 16.4		
	PP	20 17 51		
	SKKS	20 25.2		
	PS	20 28.0		
	SS	20 35 25		
	L	20 57		
	F	23 11		
		Shawinigan Falls		
	e	20 15 15		
	L	20 53		
	F	21 25		
		Ottawa		
6 Jan. 7	eZ	6 33.2		
	e	6 36.5		
	L	6 53		
	F	7 57		
		Ottawa		
10 Jan. 11	H	1 33.9	8050	Deep focus?
	PZ	1 45 17		
	S	1 54 45		
	i	1 55 05		
	e	1 58 50		
	e	2 01 10		
	L	2 08		
	F	2 48		
		Victoria		
	i	1 51.6		Time uncertain.
	i	1 52.6		
	F	2 06		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM January 11, 1946 to January 12, 1946 No. 3

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
10 Jan. 11 (Cont'd)	H	1 33.7	6920	
	P	1 43 58		
	S	1 52 31		
	i	1 56 05		
	SSS	2 00		
	F	2 22		
		Seven Falls		
	H	1 33.9	8060	
	P	1 45 14		
	S	1 54 43		
	i	1 55 01		
	e	1 58 44		
	L	2 15		
	F	3 11		
		Shawinigan Falls		
	H	1 33.8	8080	
	P	1 45 14		
	S	1 54 44		
	F	2 03		
		Ottawa		
13 Jan. 12	H	20 25.6	4900	USCGS. gives:-
	P	20 33 45		ϕ = 59° N.
	PP	20 35 34		λ = 147°.5 W.
	S	20 40 24		
	SS	20 43 20		
	i	20 45 30		
	L	20 47		
	F	22 22		
		Victoria		
	H	20 25.5	2120	
	P	20 29 53		
	S	20 33 28		
	L	20 35		
	F	22 12		
		Saskatoon		
	H	20 25.4	2880	
	P	20 30 57		
	S	20 35 32		
	L	20 39		
	F	22 04		
		Halifax		
	H	20 25.7	5600	
	P	20 34 38		
	PP	20 36 50		
	S	20 41 56		
	SS	20 45 48		
	e	20 49.8		
	I	20 51		
	F	21 24		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM January 12, 1946 to January 17, 1946 No. 4

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
13 Jan. 12 (Cont'd)	H	20 25.6	5050	
	P	20 33 55		
	PP	20 35 45		
	S	20 40 42		
	SS	20 44.0		
	L	20 48		
	F	22 21		
		Shawinigan Falls		
	H	20 25.3	5320	
	P	20 33 50		
	PP	20 35 38		
	S	20 40 52		
	SS	20 43.8		
	L	20 47		
	F	21 26		
		Ottawa		
14 Jan. 16	H	20 37.9	150	
	P_2	20 38 18		
	S_2	20 38 35		
	F	20 39		
		Ottawa		
15 Jan. 17	H	8 04.9	685	NESA gives:- ϕ = 49°4 N. λ = 68°7 W.
	P	8 06 25		
	S	8 07 37.5		
	S_1	8 08 10		
	F	8 11		
		Seven Falls		
	H	8 04.9	298	
	P_3	8 05 37.5		
	S_n	8 06 06.5		
	S_1	8 06 17.5		
	F	8 09		
		Shawinigan Falls		
	H	8 04.8	435	
	P_2	8 05 59		
	S_1	8 06 57		
	F	8 09		
		Ottawa		
16 Jan. 17	H	9 39.5	13,900	
	P_Z	9 58 29		
	PPS	10 12.5		
	SS	10 17.6		
	L	10 31		
	F	11 12		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM January 17, 1946 to January 31, 1946 No. 5

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
16 Jan. 17 (Cont'd)	e	10 05.7		
	e_N	10 18.7		
	L	10 25		
	F	10 53		
		Saskatoon		
	e	10 07 32		
	L	10 24		
	F	10 57		
		Seven Falls		
	e	10 17.2		
	L	10 32		
	F	11 50		
		Ottawa		
17 Jan. 18	H	20 19.6	150	
	P_2	20 19 59		
	S_2	20 20 16.5		
	F	20 21		
		Ottawa		
18 Jan. 19	H	16 05.1	340	
	P	16 05 52.5		
	S	16 06 30		
	S_1	16 06 46		
	F	16 08		
		Ottawa		
22 Jan. 25	e_Z	17 41 24		
	L_N	17 58		
	F	18 11		

W. W. Doyle

CORRELATION TABLE

The numbered pages of the bulletin list only those earthquakes for which two or more phases are recorded. The tabulation which follows not only provides a yearly numbered list of all earthquakes recorded in Canada but also correlates the seismic registrations of the seven Canadian stations. The seismograph at the Kirkland Lake rockburst station (Established Dec. 19, 1939) records only the bursts and those earthquakes originating very close to Kirkland Lake. Entries for this station in the Correlation Table will be confined to those earthquakes and rockbursts which registered at Kirkland Lake and also at one or more outside stations. Such entries will be indexed as notes. Entries for each station show in hours and minutes the time of beginning of the tremors in Greenwich Mean Time. The appearance of entries in two or more columns in the same line indicates that these are known to be concerned with the same earthquake even though the times of beginning may differ slightly. The figures after the plus sign show the duration of the record in hours and minutes. The earthquake number and the day of the month on which it occurred are listed in the first and second columns, respectively, while the extreme right hand column is reserved for index letters to a series of notes following the tabulation. Certain letters are reserved for the purpose of classifying the entries: these are as follows:-

d (domesticus) epicentre less than 100 km.

v (vicinus) epicentre between 100 and 1000 km.

r (remotus) epicentre between 1000 and 5000 km.

u (ultimus) epicentre beyond 5000 km.

(above lower-case letters apply to earthquakes of the lowest order of intensity on a scale of three.)

D, V, R, U :: distance as above, intensity intermediate.

D, V, R, U : distance as above, intensity - top of scale.

L Long (or surface waves) alone recorded.

Q Questionable (may not be seismic).

T Time uncertain.

P Preliminary tremors alone recorded.

* Recorded only by short period seismograph.

EARTHQUAKE CORRELATION TABLE

Month January, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
1	4	19 51+0 35r	.....	20 04+0 21L	.....	19 58+0 32L	.....	19 51+0 03P	A
2	5	1 21+0 39r	.....	1 25+0 28r	.....	1 22+0 46r	1 22+0 14r	1 22+0 19r	B
3	5	20 16+2 20u	20 10+2 33u	20 15+2 37u	20 20+1 54u	20 18+2 53u	20 16+1 18u	20 15+1 10u	C
4	6	.....	.....	.....	.....	10 53+0 28L	.....	.....	..
5	6	23 00+0 0.4P*	.....	.....	.....	.....	.....	.....	..
6	7	6 33+1 24u	.....	.....	.....	6 52+1 29L	.....	.....	..
7	7	16 09+0 06L	.....	.....	.....	16 12+0 04L	.....	.....	..
8	8	19 12+0 08L	.....	.....	.....	19 14+0 07L	.....	.....	..
9	9	20 03+0 0.3P*	.....	.....	.....	.....	.....	.....	..
10	11	1 45+1 03u	1 52+0 14u	1 44+0 38u	.....	1 55+1 16u	1 45+0 16u	1 45+0 18u	D
11	11	18 48+0 01P*	.....	.....	.....	.....	.....	.....	..
12	11	18 54+0 03P*	.....	.....	.....	.....	.....	.....	..
13	12	20 34+1 48R	20 30+1 42R	20 31+1 33R	20 35+0 49U	20 34+1 47U	20 34+0 50U	20 34+0 52U	E
14	16	20 38+0 01v*	.....	.....	.....	.....	.....	.....	F
15	17	8 06+0 06v	.....	.....	.....	.....	8 06+0 03v	8 06+0 03v	G
16	17	9 58+1 14u	10 06+0 47u	10 08+0 49u	.....	10 17+1 33u	.....	.....	H
17	18	20 20+0 01v*	.....	.....	.....	.....	.....	.....	J
18	19	16 06+0 02v*	.....	.....	.....	.....	.....	16 07+0 0.6v	K
19	20	.....	.....	.....	.....	17 58+0 40L	.....	.....	..
20	24	.....	.....	.....	.....	7 16+0 33L	.....	.....	..
21	25	4 35+0 03P*	.....	.....	.....	.....	.....	.....	..
22	25	17 41+0 30u	.....	18 07+0 12L	.....	17 57+0 14L	17 41+0 02P	.....	..
23	26	.....	.....	.....	.....	7 46+0 06L	.....	.....	..
24	28	13 08+0 03L	.....	.....	.....	.....	.....	.....	..
25	29	6 48+0 10L	.....	.....	.....	6 50+0 08L	.....	.....	..

CORRELATION OF EARTHQUAKES
January, 1946

N O T E S

A :	Ottawa	Δ = 4,100 km.	H = $19^h43^m.8$ U.T.
B :	Ottawa	Δ = 3,280 km.	H = $1^h15^m.4$ U.T.
	Seven Falls	Δ = 3,610 km.	H = 1 15.4 U.T.
	Shawinigan Falls	Δ = 3,520 km.	H = 1 15.4 U.T.
C :	Ottawa	Δ = 13,700 km.	H = $19^h57^m.2$ U.T.
	Saskatoon	Δ = 11,200 km.	H = 19 57.4 U.T.
	Halifax	Δ = 14,700 km.	H = 19 57.2 U.T.
	Seven Falls	Δ = 13,800 km.	H = 19 57.4 U.T.
D :	Ottawa	Δ = 8,050 km.	H = $1^h33^m.9$ U.T.
	Saskatoon	Δ = 6,920 km.	H = 1 33.7 U.T.
	Seven Falls	Δ = 8,060 km.	H = 1 33.9 U.T.
	Shawinigan Falls	Δ = 8,080 km.	H = 1 33.8 U.T.
E :	Ottawa	Δ = 4,900 km.	H = $20^h25^m.6$ U.T.
	Victoria	Δ = 2,120 km.	H = 20 25.5 U.T.
	Saskatoon	Δ = 2,880 km.	H = 20 25.4 U.T.
	Halifax	Δ = 5,600 km.	H = 20 25.7 U.T.
	Seven Falls	Δ = 5,050 km.	H = 20 25.6 U.T.
	Shawinigan Falls	Δ = 5,320 km.	H = 20 25.3 U.T.
F :	Ottawa	Δ = 150 km.	H = 20 37.9 U.T.
G :	Ottawa	Δ = 685 km.	H = $8^h04^m.9$ U.T.
	Seven Falls	Δ = 298 km.	H = 8 04.9 U.T.
	Shawinigan Falls	Δ = 435 km.	H = 8 04.8 U.T.
H :	Ottawa	Δ = 13,900 km.	H = $9^h39^m.5$ U.T.
J :	Ottawa	Δ = 150 km.	H = $20^h19^m.6$ U.T.
K :	Ottawa	Δ = 340 km.	H = $16^h05^m.1$ U.T.

Dominion Observatory,
Ottawa, Canada,
March 7, 1946.

SEISMOLOGICAL BULLETINS RECEIVED
January, 1946

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

STATIONS	BULLETINS	RECEIVED
Weston	Preliminary February to May, 1945	January 7
New Zealand Stations	October, 1945	" 12
Brisbane	September and October, 1945	" 19
Bogota	February, 1945	" 19
Bureau Central	July to September, 1945	" 23
U.G.G.I.	July, 1945	" 23
United States Coast and Geodetic Survey	January to March, 1943	" 24
Santa Clara	December, 1945	" 24
Pasadena	Preliminary October to December, 1945	" 28
Pasadena	April to June, 1945	" 30

DOMINION OBSERVATORY,
OTTAWA - CANADA.

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM February 1, 1946 to February 20, 1946 No. 6

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
27 Feb. 4	P_Z	3 54 50		
	e_N	4 04.0		
	L	4 13		
	F	4 29		
		Ottawa		
30 Feb. 12	H	2 43.5	6570	
	P_Z	2 53 29		
	S	3 01 42		
	L	3 11		
	F	3 22		
		Seven Falls		
	e	2 53 03		
	L	3 10		
	F	3 26		
		Ottawa		
34 Feb. 15	e_Z	3 24 20		USCGS. gives:-
	L	3 31		ϕ = 47°3 N.
	F	4 04		λ = 122°7 W.
		Victoria		
	H	3 17.9	110	
	P	3 18 16		
	S	3 18 30		
	L	3 19		
	F	3 42		
		Saskatoon		
	H	3 18.2	1145	
	P	3 20 40		
	S	3 22 47		
	L	3 23 40		
	F	3 41		
		Seven Falls		
	e	3 25 50		
	L	3 35		
	F	4 01		
		Shawinigan Falls		
	e	3 25.5		
	L	3 32		
	F	3 45		
		Victoria		
42 Feb. 20	e	4 05.9		
	L	4 36		
	F	4 59		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM February 20, 1946 to February 28, 1946 No. 7

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
42	e	4 08.6		
Feb.	L	4 32		
20	F	5 30		
(Cont'd)				
		Ottawa		
43	H	12 35.5	410	
Feb.	P	12 36 27		
21	P_2	12 36 35		
	S	12 37 11.5		
	S_2	12 37 24		
	F	12 41		
		Shawinigan Falls		
	e	12 36 39		
	F	12 40		
		Ottawa		
45	eZ	17 31 06		
Feb.	L	17 36		
22	F	17 52		
		Shawinigan Falls		
	e	17 32.3		
	L	17 41		
	F	17 45		
		Ottawa		
48	e_Z	1 59.5		
Feb.	e_N	2 09		
24	e	2 15.4		
	L	2 37		
	F	2 56		
		Seven Falls		
	e	2 15.4		
	L	2 35		
	F	2 56		
		Ottawa		
52	e_N	2 45.2		
Feb.	e_N	2 49.0		
28	e_N	2 51.1		
	e_N	3 04		
	L	3 22		
	F	4 00		

W. W. Doxsee

EARTHQUAKE CORRELATION TABLE

Month February, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
26	1	0 54+1 00P*	.....	.....	.....	.....	.....	.....	..
27	4	3 55+0 34r	.....	4 00+0 22L	.....	4 03+0 29L	.....	3 55+0 04P	..
28	4	4 24+0 0.6P*	.....	.....	.....	.....	.....	.....	..
29	6	.....	.....	.....	.....	20 34+0 14L	.....	.....	..
30	12	2 53+0 29u	3 31+0 08L	.....	.....	3 10+0 16I	2 53+0 02P	.....	A
31	12	.....	13 34+0 41L	.....	.....	.....	.....	.....	..
32	13	.....	.....	6 16+0 34I	.....	.....	.....	.....	..
33	14	2 18+0 01P*	.....	.....	.....	.....	.....	.....	..
34	15	3 24+0 40r	3 18+0 24V	3 21+0 20r	3 38+0 09L	3 35+0 26r	3 26+0 20r	3 25+0 20r	B
35	15	.....	.....	.....	.....	.....	.....	16 00+0 02P	..
36	16	.....	.....	.....	.....	7 37+0 07I	.....	.....	..
37	16	.....	.....	.....	.....	21 06+0 18L	.....	.....	..
38	16	.....	.....	.....	.....	22 18+0 17I	.....	.....	..
39	18	1 08+0 47L	0 54+0 41L	0 59+0 42I	.....	1 07+1 19I	.....	.....	..
40	18	17 54+0 04I	17 34+0 10L	.....	.....	17 56+0 05L	.....	.....	..
41	19	.....	.....	.....	.....	19 46+0 25I	.....	.....	..
42	20	4 33+0 42I	4 06+0 53u	4 33+0 25I	.....	4 09+1 21u	.....	.....	..
43	21	12 36+0 05v	.....	.....	.....	.....	.....	12 37+0 03v	C
44	21	15 55+0 01P*	.....	.....	.....	.....	15 54+0 01P	.....	..
45	22	17 31+0 21r	.....	.....	.....	17 38+0 13I	.....	17 32+0 13r	..
46	22	.....	.....	.....	.....	19 54+0 09I	.....	.....	..
47	24	.....	10 03+0 28L	10 02+0 54L	.....	10 08+1 33L	.....	.....	..
48	25	1 59+0 57u	2 50+0 15L	.....	.....	2 15+0 41u	.....	.....	..
49	25	.....	.....	.....	.....	3 47+0 07L	.....	.....	..
50	26	5 50+0 0.7P*	.....	.....	.....	.....	.....	.....	..
51	27	6 16+0 02P*	.....	.....	.....	.....	.....	.....	..
52	28	2 45+1 15u	.....	.....	.....	3 02+1 24I	.....	.....	..

CORRELATION OF EARTHQUAKES
February, 1946

N O T E S

A :	Ottawa	Δ = 6570 km.	H = $2^h43^m.5$ U.T.
B :	Victoria	Δ = 110 km.	H = $3^h17^m.9$ U.T.
	Saskatoon	Δ = 1145 km.	H = 3 18.2 U.T.
C :	Ottawa	Δ = 410 km.	H = $12^h35^m.5$ U.T.

Dominion Observatory,
Ottawa - Canada,
March 12, 1945.

SEISMOLOGICAL BULLETINS RECEIVED
February, 1946

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

STATIONS	BULLETINS	RECEIVED	
New Zealand Stations	November, 1945	February	4
Bureau Central	Quake of November 27, 1945	"	5
Perth	July to September, 1945	"	6
U.G.G.I.	June to August, 1945	"	8
Zurich	Year 1944	"	11
United States Coast and Geodetic Survey	October to December, 1943	"	11
Zurich	October to December, 1945	"	11
Berkeley	July to December, 1945	"	11
Weston	Preliminaries for June and July/45; December/45; and January/46	"	15
Ksara	October to December, 1945	"	15
Saint Louis	Preliminaries for September 9; October 7, 9, 25, 27; November 3, and 16, 1945	"	19
Bogota	April and May, 1945	"	19
Apia	October to December, 1945	"	20
Sydney	November and December, 1945	"	27
New Zealand Stations	December, 1945	"	27

Dominion Observatory,
Ottawa, Canada.

SEISMOLOGICAL SERVICE OF CANADA

SEISMOLOGICAL BULLETIN

March

1946

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DOMINION OBSERVATORY

OTTAWA - CANADA

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SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

R. Meldrum Stewart, Dominion Astronomer
Ernest A. Hodgson, Seismologist
W. W. Doxsee, Station Superintendent

S T A T I O N S

OTTAWA

ϕ = 45°23'38" N. λ = 75°42'57" W. h = 83m.

Time correction within 0.10s.

Foundation: boulder clay over limestone

Instruments: Milne-Shaw NS and EW components, designated 23 and 17, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 1 lb.

Benioff Vertical, short and long period, designated BS and BL, respectively, photographic registration, BS a paper speed of 60 mm. per min., BL a paper speed of 30 mm. per min., mass 235 lbs.

HALIFAX

Dalhousie University

ϕ = 44°38' N. λ = 63°36' W. h = 46m.

Time correction from recorded radio time signals

Foundation: Carbonaceous slate

Instruments: Bosch NS and EW components, designated HN and HE, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 200g.

SEVEN FALLS

Quebec Power Company

ϕ = 47°07!4 N. λ = 70°49!6 W. h = 232m. ca.

Time correction from recorded radio time signals

Foundation: Solid granite of Canadian Shield

Instruments: Wood-Anderson and Milne-Shaw, both EW component, designated SF and SM, respectively, each with photographic registration, magnetic damping, SF a paper speed of 60 mm. per min. and mass 15g., SM a paper speed of 8 mm. per min. and mass 1 lb.

S T A T I O N S (Cont'd)

VICTORIA

Dominion Astrophysical Observatory

ϕ = 48°31'14" N. λ = 123°24'56" W. h = 197m.

Time correction from recorded radio time signals

Foundation: rock

Instruments: Milne-Shaw NS and EW components, designated 21 and 20, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

SHAWINIGAN FALLS

Shawinigan Water and Power Company

ϕ = 46°33'1 N. λ = 72°45'8 W. h = 60m. ca.

Time correction from recorded radio time signals

Foundation: solid granite of Canadian Shield

Instrument: Wood-Anderson NS component, designated SA, photographic registration, magnetic damping, paper speed of 60 mm. per min., mass 15g.

SASKATOON

University of Saskatchewan

ϕ = 52°08' N. λ = 106°38' W. h = 515m.

Time correction from radio time signals

Foundation: clay and sand

Instrument: Milne-Shaw NE and NW components, designated 18 and 22, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

DETERMINED CONSTANTS

INSTRUMENT	T_o	V	ε	DISPLACEMENT FOR 1" ARC TILT	DISPLACEMENT FOR 10^{-6} g
17 (Ottawa)	12.0	300	20:1	50 mm.	
23 (Ottawa)	12.0	300	20:1	50 mm.	
BS (Ottawa)	1.0				5 mm.
BL (Ottawa)	1.0				16 mm.
HN (Halifax)	5.0	125	20:1		
HE (Halifax)	5.0	125	20:1		
SA (Shawinigan)	1.0	2500			
20 (Victoria)	12.0	300	20:1		
21 (Victoria)	12.0	300	20:1		
SF (Seven Falls)	1.0	2500			
SM (Seven Falls)	12.0	300	20:1	50 mm.	
18 (Saskatoon)	10.0	150	20:1	18 mm.	
22 (Saskatoon)	10.0	150	20:1	18 mm.	

NOTE:- Universal Time used throughout.

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM March 1, 1946 to March 15, 1946 No. 8

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
53 March 1	e_Z	7 56 58		
	L	8 11		
	F	8 19		
		Saskatoon		
	H	7 55.6	1950	
	P_N	7 59 43		
	S_E	8 03 05		
	SS_N	8 04 08		
	L	8 05		
	F	8 10		
		Shawinigan Falls		
54 March 6	e	13 23 14		
	L	13 33		
	F	13 36		
		Ottawa		
57 March 12	H	0 02.0	9450	
	P_Z	0 14 33		
	S	0 25 04		
	SS	0 30.7		
	L	0 40		
	F	1 17		
		Victoria		
	e	0 25 12		
	L	0 38		
	F	1 17		
		Seven Falls		
	e	0 25.6		
	L	0 38		
	F	1 13		
		Ottawa		
58 March 12	H	2 22.5	9380	
	PZ	2 35 02		
	S	2 45 30		
	L	3 09		
	F	3 36		
		Seven Falls		
	e	2 45.2		
	L	3 12		
	F	4 09		
		Victoria		
61 March 15	e_E	3 24 25		
	L	3 39		
	F	4 02		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM March 15, 1946 to March 15, 1946 No. 9

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
62 March 15	i_Z	8 04 37		
	e_E	8 16		
	I	8 35		
	F	9 32		
		Victoria		
	e	8 09.4		
	I	8 26		
	F	9 08		
		Seven Falls		
	e	8 14.3		
	e	8 23.7		
	L	8 45		
	F	10 19		
		Ottawa		
64 March 15	e_Z	13 30 22		Tacubaya gives:-
	L	13 37		Δ = 2465 km.
	F	14 hrs.+		H = 13^h21^m3
		Victoria		
	H	13 20.8	1655	
	P	13 24 18		
	S	13 27 12		
	L	13 28		
	F	13 55+		
		Saskatoon		
	H	13 21.1	2080	
	P	13 25 22		
	S	13 28 54		
	L	13 30		
	F	13 52		
		Seven Falls		
	e	13 28.1		
	L	13 39		
	F	13 58		
		Shawiniqan Falls		
	e	13 28 07		
	L	13 39		
	F	13 51		
		Ottawa		
66 March 15	e_Z	13 56 14		USCGS gives:-
	L	14 07		ϕ = 35°.7 N.
	F	15 00		λ = 118° W.

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM March 15, 1946 to March 26, 1946 No. 10

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
66 March 15 (Cont'd)	E	13 49.8	1490	
	P	13 53 01		
	S	13 55 40		
	SS	13 56 18		
	L	13 57		
	F	14 43		
		Saskatoon		
	H	13 49.7	2045	
	P	13 53 57		
	S	13 57 26		
	L	13 59		
	F	14 57		
		Seven Falls		
	e	13 56 44		
	e	13 59.6		
	L	14 08		
	F	15 06		
		Shawinigan Falls		
	e	13 56 41		
	L	14 07		
	F	14 27		
		Ottawa		
74 March 25	e_Z	8 53 10		
	I	8 58		
	F	9 16		
		Ottawa		
75 March 25	e_Z	22 23 17		
	I	22 29		
	F	23 00		
		Ottawa		
76 March 26	H	17 09	15,600	
	P'_Z	17 28 31		
	PP	17 31 21		
	PPP_N	17 34.0		
	SHKS	17 38.3		
	PS	17 43.7		
	SSS	17 49.7		
	L	18 09		
	F	19 43		
		Victoria		
	e_E	17 46.4		
	L	18 13		
	F	19 39		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM March 26, 1946 to March 31, 1946 No. 11

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
76 March 26 (Cont'd)	H	17 09	15,200	
	P^1	17 28 29		
	S^1P	17 32.1		
	SS	17 49 28		
	SSS	17 54.6		
	L	18 05		
	F	19 52		
		Shawinigan Falls		
	P^1	17 28 33		
	PP	17 31 13		
	L	18 32		
	F	18 47		
		Ottawa		
79 March 29	H	7 26.2	5170	
	P	7 34 37		
	PP_N	7 36 38		
	S_E	7 41 31		
	SS	7 44 33		
	L	7 49		
	F	9 23		
		Victoria		
	H	7 26.4	6720	
	P	7 36.4		
	S	7 44 46		
	L	7 54		
	F	10 12		
		Saskatoon		
	H	7 26.1	6235	
	P_N	7 35.7		
	iS_{NE}	7 43 36		
	SS	7 47.0		
	L	7 50		
	F	8 50		
		Seven Falls		
	H	7 26.3	5360	
	P	7 34 57		
	S	7 42 02		
	SS	7 45.8		
	L	7 52		
	F	10 37		
		Shawinigan Falls		
	P	7 34 49		
	L	7 53		
	F	8 10		

W. W. Doxsee.

EARTHQUAKE CORRELATION TABLE

March, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
53	2	7 57+0 22r	.....	8 00+0 10r	.....	8 13+0 12I	8 13+0 06L	.....	A
54	6	13 23+0 03P*	.....	.....	.....	.....	.....	13 23+0 13u	..
55	9	.....	.....	.....	.....	16 54+0 21I	.....	16 30+0 04P	..
56	11	.....	5 11+0 09L	5 17+0 05L	.....	.....	.....	.....	..
57	12	0 15+1 02u	0 25+0 52u	0 49+0 20I	.....	0 26+0 47u	.....	.....	B
58	12	2 35+1 01u	3 15+0 25L	3 14+0 27L	.....	2 45+0 24u	.....	.....	C
59	13	.....	9 41+0 15L	.....	.....	10 02+0 38I	.....	.....	..
60	14	2 35+0 0.2P*	.....	.....	.....	.....	.....	.....	..
61	15	3 53+0 20L	3 25+0 37u	3 45+0 20I	.....	3 53+0 39L	.....	.....	..
62	15	8 05+1 27u	8 09+0 59u	8 33+0 49L	.....	8 14+2 05u	.....	.....	..
63	15	9 55+0 10L	10 22+0 05L	10 04+0 12L	.....	.....	.....	.....	..
64	15	13 30+0 30r	13 24+0 31R	13 25+0 27R	13 42+0 15L	13 39+0 19I	13 28+0 20r	13 28+0 23r	D
65	15	13 47+0 01P*	.....	.....	.....	.....	13 48+0 01P	.....	..
66	15	13 56+1 04r	13 53+0 50R	13 54+1 03R	14 09+0 30L	14 00+1 06r	13 57+0 42r	13 57+0 30r	E
67	15	19 36+0 07L	19 26+0 05L	19 28+0 06I	.....	19 38+0 06I	.....	19 36+0 06L	..
68	15	.....	.....	22 04+0 04L	.....	.....	.....	.....	..
69	18	16 08+0 03L	.....	.....	.....	.....	.....	.....	..
70	20	5 31+0 16L	5 14+0 31L	5 30+0 18I	.....	5 32+0 27I	.....	.....	..
71	24	.....	.....	10 09+0 12I	.....	.....	.....	.....	..
72	24	16 33+0 27L	16 16+0 25L	.....	.....	16 33+0 37I	.....	.....	..
73	24	2 26+0 08P*	.....	.....	.....	.....	.....	.....	..
74	25	8 53+0 23u	9 13+0 13I	.....	.....	9 04+0 09I	.....	8 53+0 03P	..
75	25	22 23+0 37u	22 41+0 13L	.....	.....	22 34+0 28I	.....	.....	..
76	26	17 29+2 14u	17 46+1 53u	18 15+1 06L	18 08+1 15L	17 32+2 20u	17 28+1 22u	17 29+1 19u	F
77	28	0 29+0 16L	0 30+0 16I	.....	.....	0 28+0 41L	.....	.....	..
78	29	7 26+0 0.5P*	.....	.....	.....	.....	.....	7 26+0 02P	..
79	29	7 35+1 48u	7 36+2 36u	7 36+1 14u	7 42+0 38L	7 35+3 02u	7 35+0 32u	7 35+0 35u	G

CORRELATION OF EARTHQUAKES
March, 1946

N O T E S

A :	Saskatoon	Δ = 1950 km.	H = $7^h55^m.6$ U.T.
B :	Ottawa	Δ = 9450 km.	H = $0^h02^m.0$ U.T.
C :	Ottawa	Δ = 9380 km.	H = $2^h22^m.5$ U.T.
D :	Victoria	Δ = 1655 km.	H = $13^h20^m.8$ U.T.
	Saskatoon	Δ = 2080 km.	H = 13 21.1 U.T.
E :	Ottawa	Δ = 1490 km.	H = $13^h49^m.8$ U.T.
	Saskatoon	Δ = 2045 km.	H = 13 49.7 U.T.
F :	Ottawa	Δ = 15,600 km.	H = 17^h09^m U.T.
	Seven Falls	Δ = 15,200 km.	H = 17 09 U.T.
G :	Ottawa	Δ = 5170 km.	H = $7^h26^m.2$ U.T.
	Victoria	Δ = 6720 km.	H = 7 26.4 U.T.
	Saskatoon	Δ = 6235 km.	H = 7 26.1 U.T.
	Seven Falls	Δ = 5360 km.	H = 7 26.3 U.T.

Dominion Observatory,
OTTAWA - CANADA,
April 25, 1946.

SEISMOLOGICAL BULLETINS RECEIVED
March, 1946

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

STATIONS	BULLETINS	RECEIVED
Bureau Central	August and September, 1945 and January, 1946	March 7
Trieste	June to August, 1940; May to December, 1941; January, 1942 to October 20, 1945	" 9
Santa Clara	January and February, 1946	" 9
Weston	Preliminary for August to October, 1945 and February, 1946	" 11
Moscow	October and November, 1945	" 14
Pasadena	Preliminary for January, 1946	" 14
Ksara	January, 1946	" 16
Brisbane	November, 1945 to January, 1946	" 18
Scoresby-Sund	January to December, 1937 and January to August, 1939	" 28
Kobenhavn	July, 1937 to December, 1941	" 28
Ivigtut	January, 1937 to November, 1938	" 28

DOMINION OBSERVATORY,
OTTAWA - CANADA.

SEISMOLOGICAL SERVICE OF CANADA

SEISMOLOGICAL BULLETIN

April
1946

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DOMINION OBSERVATORY

OTTAWA - CANADA

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SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

R. Meldrum Stewart, Dominion Astronomer
Ernest A. Hodgson, Seismologist
W. W. Doxsee, Station Superintendent

S T A T I O N S

OTTAWA

ϕ = 45°23'38" N. λ = 75°42'57" W. h = 83m.

Time correction within 0.10s.

Foundation: boulder clay over limestone

Instruments: Milne-Shaw NS and EW components, designated 23 and 17, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 1 lb.

Benioff Vertical, short and long period, designated BS and BL, respectively, photographic registration, BS a paper speed of 60 mm. per min., BL a paper speed of 30 mm. per min., mass 235 lbs.

HALIFAX

Dalhousie University

ϕ = 44°38' N. λ = 63°36' W. h = 46m.

Time correction from recorded radio time signals

Foundation: Carbonaceous slate

Instruments: Bosch NS and EW components, designated HN and HE, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 200g.

SEVEN FALLS

Quebec Power Company

ϕ = 47°07!4 N. λ = 70°49!6 W. h = 232m. ca.

Time correction from recorded radio time signals

Foundation: Solid granite of Canadian Shield

Instruments: Wood-Anderson and Milne-Shaw, both EW component, designated SF and SM, respectively, each with photographic registration, magnetic damping, SF a paper speed of 60 mm. per min. and mass 15g., SM a paper speed of 8 mm. per min. and mass 1 lb.

S T A T I O N S (Cont'd)

VICTORIA

Dominion Astrophysical Observatory

ϕ = 48°31'14" N. λ = 123°24'56" W. h = 197m.

Time correction from recorded radio time signals

Foundation: rock

Instruments: Milne-Shaw NS and EW components, designated 21 and 20, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

SHAWINIGAN FALLS

Shawinigan Water and Power Company

ϕ = 46°33'.1 N. λ = 72°45'.8 W. h = 60m. ca.

Time correction from recorded radio time signals

Foundation: solid granite of Canadian Shield

Instrument: Wood-Anderson NS component, designated SA, photographic registration, magnetic damping, paper speed of 60 mm. per min., mass 15g.

SASKATOON

University of Saskatchewan

ϕ = 52°08' N. λ = 106°38' W. h = 515m.

Time correction from radio time signals

Foundation: clay and sand

Instrument: Milne-Shaw NE and NW components, designated 18 and 22, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

DETERMINED CONSTANTS

INSTRUMENT	To	V	ε	DISPLACEMENT FOR 1" ARC TILT	DISPLACEMENT FOR 10^{-6} g
17 (Ottawa)	12.0	300	20:1	50 mm.	
23 (Ottawa)	12.0	300	20:1	50 mm.	
BS (Ottawa)	1.0				5 mm.
BL (Ottawa)	1.0				16 mm.
HN (Halifax)	5.0	125	20:1		
HE (Halifax)	5.0	125	20:1		
SA (Shawinigan)	1.0	2500			
20 (Victoria)	12.0	300	20:1		
21 (Victoria)	12.0	300	20:1		
SF (Seven Falls)	1.0	2500			
SM (Seven Falls)	12.0	300	20:1	50 mm.	
18 (Saskatoon)	10.0	150	20:1	18 mm.	
22 (Saskatoon)	10.0	150	20:1	18 mm.	

NOTE:- Universal Time used throughout.

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM April 1, 1946 to April 1, 1946 No. 12

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
81 April 1	H	12 29.2	5850	USCGS gives:-
	P	12 38 24		ϕ = 54° N.
	PP	12 40 25		λ = 164° W.
	S	12 45 56		
	SS	12 49 34		
	SSS	12 51 10		
	L	12 55		
	F	17 10		
		Victori		
	H	12 29.0	2800	
	P	12 34 16		
	PPP	12 35 18		
	S	12 38 45		
	SS	12 40		
	F	17 05+		
		Saskatoon		
	H	12 28.7	3390	
	P	12 34 50		
	PP	12 35 36		
	S	12 39 59		
	L	12 42		
	F	17 06+		
		Halifax		
	H	12 28.8	6780	
	eN	12 40.0		
	S	12 47 16		
	SS	12 51.4		
	SSS	12 54		
	F	15 32		
		Seven Falls		
	H	12 29.1	6080	
	P	12 38 32		
	S	12 46 17		
	SS	12 49.8		
	L	12 55		
	F	17 18+		
		Shawinigan Falls		
	H	12 29.2	5920	
	P	12 38 30		
	S	12 46 06		
	Ss	12 48.7		
	SSS	12 50 12		
	L	12 53		
	F	15 23		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM April 1, 1946 to April 1, 1946 No. 13

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
88 April 1	H	16 59.0	6280	
	Pz	17 08 40		
	S	17 16.6		
	SS	17 20.4		
	L	17 26		
	F	13 38		
		Victoria		
	e	17 04 38		
	L	17 09		
	F	19 03		
		Saskatoon		
	H	16 59.7	3580	
	P	17 06 13		
	S	17 11 34		
	L	17 15		
	F	19 00		
		Seven Falls		
	e	17 08.8		
	e	17 17.7		
	e	17 20.5		
	L	17 27		
	F	19 03		
		Shawinigan Falls		
	e	17 08 45		
	L	17 24		
	F	17 44		
		Ottawa		
90 April 1	H	18 57.8	5950	
	P	19 07 04		
	PP	19 09 12		
	S	19 14 42		
	PS_N	19 15 21		
	SS	19 18 36		
	L	19 22		
	F	21 48		
		Victoria		
	H	18 57.8	2780	
	P	19 03 15		
	S	19 07 42		
	L	19 10		
	F	22 23		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM April 1, 1946 to April 2, 1946 No. 14

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
90 April 1 cont'd	H	18 57.8	3680	
	P	19 04 26		
	S	19 09 53		
	SS	19 12.6		
	L	19 14		
	F	21 32		
		Halifax		
	e	19 08.2		
	e	19 16.3		
	L	19 29		
	F	20 52		
		Seven Falls		
	H	18 57.8	6020	
	P	19 07 13		
	S	19 14 55		
	SS	19 18.8		
	L	19 25		
	F	22 22		
		Shawinigan Falls		
	e	19 07 09		
	L	19 22		
	F	20 12		
		Ottawa		
92 April 2	e_Z	1 07 51		
	L	1 25		
	F	1 53		
		Saskatoon		
	e	1 13 03		
	L	1 16		
	F	1 48		
		Ottawa		
94 April 2	H	4 14.1	5720	
	P	4 23 09		
	S	4 30 34		
	SSS	4 35 30		
	L	4 42		
	F	5 47		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM April 2, 1946 to April 2, 1946 No. 15

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
94 April 2 cont'd	H	4 13.5	2920	
	P	4 19 10		
	S	4 23 48		
	SS	4 25.3		
	LM	4 30		
	F	5 48+		
		Saskatoon		
	H	4 14.0	3590	
	P	4 20 30		
	S	4 25 52		
	L	4 30		
	F	5 50		
		Seven Falls		
	H	4 14.0	5900	
	P	4 23 18		
	S	4 30 53		
	SS	4 35 21		
	L	4 41		
	F	6 03		
		Shawinigan Falls		
	e	4 23.2		
	L	4 40		
	F	5 13		
		Ottawa		
95 April 2	e	5 47 36		
	e_E	5 56.4		
	L	5 59		
	F	6 07 +		
		Victoria		
	e_E	5 43.8		
	e	5 48.2		
	L	5 53		
	F	6 07+		
		Saskatoon		
	H	5 38.8	3520	
	P	5 45 16		
	S	5 50 33		
	L	5 52		
	F	6 04+		

SEISMOLOGICAL SERVICE OF CA

DOMINION OBSERVATORY, OTTAWA.

FROM April 2, 1946 to April 2, 1946 No. 16

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
95 April 2 cont'd	e	5 47.8		
	e	5 59.6		
	L	6 08		
	F	6 20+		
		Ottawa		
96 April 2	e_Z	6 06 40		
	L	6 07		
	F	7 45		
		Saskatoon		
	e	6 04 11		
	e	6 09.1		
	L	6 14		
	F	7 51		
		Seven Falls		
	e	6 06.8		
	L	6 23		
	F	8 00		
		Shawinigan Falls		
	e	6 06.7		
	L	6 26		
	F	6 37		
		Victoria		
98 April 2	e_E	13 08.2		
	L	13 14		
	F	14 01		
		Saskatoon		
	H	13 04.4	3700	
	P	13 11 05		
	S	13 16 34		
	L	13 23		
	F	13 58		
		Ottawa		
99 April 2	e	14 44.8		
	L	14 57		
	F	15 35		
		Victoria		
	H	14 27.4	2865	
	P	14 33 00		
	S	14 37.6		
	L	14 44		
	F	15 20		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM April 2, 1946 to April 3, 1946 No. 17

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
99 April 2. cont'd	H	14 28.0	3435	
	P	14 34 25		
	S	14 39 37		
	L	14 45		
	F	15 20		
		Ottawa		
101 April 2	H	16 30.5	5970	
	eP_N	16 39 51		
	S	16 47 30		
	SS	16 51.5		
	L	16 56		
	F	18 39		
		Victoria		
	H	16 30.7	2755	
	P	16 36 08		
	S	16 40 34		
	L	16 43		
	F	18 55		
		Saskatoon		
	H	16 30.8	3555	
	P	16 37 18		
	S	16 42 37		
	SS	16 45.2		
	L	16 47		
	F	18 36		
		Seven Falls		
	H	16 30.7	6020	
	P	16 40.1		
	S	16 47 48		
	e	16 51.9		
	L	16 59		
	F	19 06		
		Shawinigan Falls		
	e	16 39 02		
	L	17 03		
	F	17 23		
		Ottawa		
106 April 3	e_N	9 12		
	e	9 15.5		
	e_E	9 20		
	L	9 27		
	F	10 39		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM April 3, 1946 to April 4, 1946 No.18

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
106 April 3 cont'd	H	8 58.8	2720	
	P	9 04 11		
	S	9 08 23		
	F	10 55		
		Saskatoon		
	H	8 59.0	3400	
	P	9 05 19		
	S	9 10 29		
	L	9 15		
	F	10 40		
		Seven Falls		
	e	9 11.6		
	e	9 15.8		
	e	9 19.9		
	L	9 25		
	F	11 01		
		Victoria		
110 April 4	H	16 31.0	2910	
	P	16 36 35		
	S	16 41 12		
	L	16 45		
	F	18 24		
		Seven Falls		
	e	16 48.6		
	L	17 00		
	F	17 55		
		Ottawa		
111 April 4	e_Z	21 35 06		
	L	21 51		
	F	22 35		
		Victoria		
	H	21 26.0	2645	
	P	21 31 12		
	S	21 35.5		
	L	21 41		
	F	22 50		
		Seven Falls		
	e	21 46.9		
	L	21 55		
	F	22 31		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM April 4, 1946 to April 8, 1946 No. 19

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
117 April 6	H	4 53.1	5750	
	P_Z	5 02 13		
	S	5 09 40		
	SSS	5 13.4		
	L	5 20		
	F	6 31		
		Victoria		
	e	4 48.2		
	L	5 02		
	F	6 34		
		Saskatoon		
	H	4 53.2	3360	
	P	4 59 26		
	S	5 04 33		
	L	5 09		
	F	6 10		
		Seven Falls		
	H	4 53.1	5920	
	P	5 02 22		
	S	5 09 58		
	SSS	5 14		
	L	5 21		
	F	6 36		
		Ottawa		
124 April 8	H	17 36.6	5920	
	P_Z	17 45 54		
	S	17 53.5		
	L	18 03		
	F	18 50		
		Victoria		
	e	17 46 32		
	L	17 51		
	F	18 58		
		Saskatoon		
	e	17 48 26		
	L	17 55		
	F	18 51		
		Seven Falls		
	e	17 53.8		
	L	18 06		
	F	19 11		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM April 8, 1946 to April 11, 1946 No. 20

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
126 April 9	e_N	20 54.5		
	L	20 58		
	F	21 18		
		Ottawa		
128 April 11	H	1 52.3	8080	
	P	2 03 42		
	S	2 13 12		
	PS_{EN}	2 13 48		
	SS_{EN}	2 17 46		
	SSS	2 21.5		
	L	2 25		
	F	5 12		
		Victoria		
	e_E	2 08.3		
	e	2 11 17		
	e	2 18 55		
	L	2 33		
	F	5 56		
		Saskatoon		
	e	2 05 59		
	e	2 09 38		
	e	2 16 30		
	e	2 23		
	L	2 30		
	F	5 03		
		Halifax		
	e	2 11.5		
	L	2 18		
	F	3 13		
		Seven Falls		
	H	1 52.3	7900	
	P	2 03 35		
	S	2 12 55		
	SSS	2 20		
	L	2 24		
	F	6 03		
		Shawinigan Falls		
	H	1 52.6	7800	
	P	2 03 45		
	S	2 13 00		
	L	2 22		
	F	2 47		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM April 11, 1946 to April 23, 1946 No. 21

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
135 April 17	e	14 16.6		
	L	14 19		
	F	15 00		
		Saskatoon		
	e	14 16.5		
	L	14 19		
	F	14 38		
		Seven Falls		
	e	14 25.8		
	L	14 28		
	F	15 03		
		Shawinigan Falls		
	e	14 24.4		
	L	14 29		
	F	14 31		
		Ottawa		
138 April 18	eE	7 30.7		
	e	7 36.3		
	L	7 49		
	F	8 35		
		Victoria		
	e	7 24 34		
	L	7 38		
	F	8 27		
		Seven Falls		
	e	7 37.5		
	L	7 54		
	F	8 49		
		Ottawa		
139 April 21	H	5 05.9	195	
	P_2	5 06 24.5		
	S_2	5 06 46.5		
	F	5 08.3		
		Ottawa		
140 April 23	e	5 15.9		
	e	5 27.8		
	eE	5 32		
	eN	5 40		
	L	6 02		
	F	7 35		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM April 23, 1946 to April 30, 1946 No. 22

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
140 April 23 cont'd	e	5 17.5		
	e_E	5 19 33		
	e	5 34 52		
	L	5 55		
	F	7 34		
		Saskatoon		
	e	5 18 41		
	L	6 00		
	F	7 30		
		Ottawa		
142 April 23	e	11 04.8		
	L	11 29		
	F	12 07		
		Victoria		
	e	11 01.5		
	L	11 14		
	F	12 01		
		Saskatoon		
	e	11 03 29		
	L	11 21		
	F	11 33		
		Ottawa		
144 April 24	e_Z	3 56 37		
	e_N	4 02.6		
	L	4 08		
	F	4 25		
		Victoria		
146 April 27	e	0 23 11		
	L	0 26		
	F	0 46		

W. W. Doxsee

EARTHQUAKE CORRELATION TABLE

April, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
80	1	6 26+0 15L	6 46+0 12L	.....	.....	6 28+0 16L	.....	.....	
81	1	12 38+4 32U	12 34+4 31R	12 35+4 31R	12 40+2 52U	12 39+4 39U	12 39+3 17U	12 38+2 45U	A
82	1	13 05+0 05P*	.....	.....	.....	.....	13 05+0 15P	13 05+0 15P	
83	1	13 38+0 03P*	.....	.....	.....	.....	13 38+0 10P	13 38+0 11P	
84	1	13 44+0 0.6P*	.....	.....	.....	.....	.....	.....	
85	1	13 50+0 0.6P*	.....	.....	.....	.....	13 50+0 03P	13 50+0 02P	
86	1	.....	.....	.....	.....	.....	15 30+0 02P	.....	
87	1	16 00+0 02P	.....	.....	.....	.....	16 00+0 03P	16 00+0 04P	
88	1	17 09+1 29u	17 05+1 58r	17 06+1 54r	17 29+0 28L	17 18+1 42u	17 09+0 30u	17 09+0 35u	B
89	1	18 54+0 13L	.....	.....	.....	.....	.....	.....	
90	1	19 07+2 41u	19 03+3 20R	19 04+2 28R	19 08+1 44u	19 07+2 15u	19 07+1 28u	19 07+1 05u	C
91	1	20 53+0 0.6P*	.....	.....	.....	.....	.....	.....	
92	2	1 08+0 45u	1 07+1 20L	1 13+0 35r	.....	1 28+0 36L	.....	1 08+0 03P	
93	2	.....	.....	.....	.....	2 37+0 15L	.....	.....	
94	2	4 23+1 24u	4 19+1 29r	4 20+1 30r	4 42+0 29L	4 23+1 40u	4 23+0 42u	4 23+0 50u	D
95	2	5 48+0 19u	5 44+0 23r	5 45+0 19r	.....	6 00+0 20u	5 48+0 03P	5 48+0 05P	E
96	2	6 07+1 38u	6 06+1 44L	6 04+1 47r	6 08+0 47L	6 23+1 37L	6 07+0 38u	6 07+0 30u	
97	2	.....	12 49+0 15L	12 52+0 11L	.....	13 05+0 11L	.....	.....	
98	2	13 31+0 36L	13 08+0 53r	13 11+0 47r	.....	13 34+0 35L	.....	13 14+0 03P	F
99	2	14 45+0 50u	14 33+0 47r	14 34+0 46r	14 46+0 25L	14 56+0 33L	.....	.....	G
100	2	15 49+0 32L	15 24+0 42L	15 38+0 20L	.....	15 50+0 34L	.....	.....	
101	2	16 40+1 59u	16 36+2 19r	16 37+1 59r	17 01+0 38L	16 48+2 18u	16 40+0 56u	16 39+0 34u	H
102	2	20 01+0 11L	.....	.....	.....	20 03+0 10L	.....	.....	
103	2	.....	.....	.....	.....	22 20+0 12L	.....	.....	
104	2	.....	.....	.....	.....	23 30+0 12L	.....	.....	
105	3	4 28+0 35L	4 12+0 33L	4 24+0 23L	.....	4 24+0 50L	.....	.....	
106	3	9 12+1 27u	9 04+1 51r	9 05+1 25r	9 31+0 11L	9 12+1 49u	.....	.....	J
107	3	22 10+0 16L	21 50+1 12L	21 58+0 20L	.....	22 11+0 14L	.....	.....	

EARTHQUAKE CORRELATION TABLE

April, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
108	4	7 45+0 10L	7 20+0 55L	7 31+0 13L	.....	7 45+0 15L	.....	.....	
109	4	.....	12 26+1 07L	.....	.....	.....	.....	.....	
110	4	16 52+1 08L	16 37+1 47r	.....	.....	16 49+1 06u	.....	.....	K
111	4	21 35+1 00u	21 31+1 19r	.....	.....	21 47+0 44u	.....	21 35+0 02P	L
112	5	7 26+0 14L	7 01+0 50L	7 13+0 12L	.....	7 25+0 14L	.....	.....	
113	5	.....	8 05+0 31L	.....	.....	8 37+0 08L	.....	.....	
114	5	.....	.....	.....	.....	.....	.....	16 58+0 01P	
115	5	21 05+0 02P	.....	.....	.....	.....	21 05+0 03P	21 05+0 04P	
116	6	3 25+0 01P	.....	.....	.....	4 23+0 12L	.....	.....	
117	6	5 02+1 29u	4 48+1 46r	4 59+1 10r	5 23+0 23L	5 10+1 26u	5 02+0 01P	5 02+0 02P	M
118	6	14 46+0 27L	14 52+0 42L	15 05+0 05L	.....	14 42+0 37L	.....	.....	
119	7	5 46+0 26L	5 24+0 36L	5 34+0 17L	.....	5 44+0 20L	.....	.....	
120	7	7 42+0 34L	7 27+0 56L	7 35+0 23L	.....	7 45+0 31L	.....	.....	
121	7	.....	18 15+0 04L	.....	.....	.....	.....	.....	
122	7	23 22+0 29L	23 03+0 49L	23 11+0 28L	.....	23 21+0 28.	.....	.....	
123	8	.....	15 27+0 24L	.....	.....	15 46+0 14L	.....	.....	
124	8	17 46+1 04u	17 47+1 11u	17 48+1 03u	18 09+0 10L	17 54+1 17u	18 06+0 10L	.....	N
125	9	.....	.....	.....	.....	11 16+0 10L	.....	.....	
126	9	20 55+0 23u	.....	21 02+0 14L	.....	20 56+0 24L	.....	.....	
127	10	.....	23 04+0 32L	.....	.....	23 23+0 08L	.....	.....	
128	11	2 04+3 08U	2 08+3 48U	2 06+2 57U	2 12+1 01U	2 04+3 59U	2 04+0 53U	2 04+0 43U	O
129	11	2 32+0 01P*	.....	.....	.....	.....	.....	.....	
130	13	7 47+0 25L	7 31+0 35L	.....	.....	7 49+0 23L	.....	.....	
131	14	4 54+0 10L	4 34+0 37L	4 42+0 19L	.....	4 45+0 20L	.....	.....	
132	16	.....	1 59+0 08L	2 02+0 06	.....	.....	.....	.....	
133	16	.....	.....	9 06+1 02L	.....	.....	.....	.....	
134	16	11 55+0 01P*	.....	.....	.....	.....	.....	.....	
135	17	.....	14 17+0 43r	14 17+0 21r	.....	14 28+0 35L	14 26+0 08r	14 24+0 07u	

EARTHQUAKE CORRELATION TABLE

April, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
136	17	.....	16 35+0 16L	.....	.....	17 01+0 07L	.....	.....	
137	17	19 44+0 0.3v*	.....	.....	.....	.....	.....	.....	
138	18	7 31+1 04u	7 25+1 02u	7 46+0 26L	.....	7 38+1 11u	.....	.....	
139	21	5 06+0 02V*	.....	.....	.....	.....	.....	.....	P
140	21	.....	.....	.....	.....	.....	5 07+0 01V	5 06+0 02v	Q
141	23	5 16+2 19u	5 18+2 16u	5 19+2 11u	6 19+0 41L	.....	5 16+0 02P	.....	
142	23	11 05+1 02u	11 02+1 00u	11 03+0 30u	.....	.....	.....	.....	
143	23	.....	17 43+0 08L	.....	.....	18 01+0 10L	.....	.....	
144	24	3 57+0 28u	4 20+0 12L	.....	.....	4 07+0 20L	.....	.....	
145	26	8 20+0 04P	.....	.....	.....	.....	.....	8 29+0 02P	
146	27	.....	0 23+0 23r	.....	.....	0 43+0 14L	.....	.....	
147	28	.....	3 43+0 14L	.....	.....	.....	.....	.....	
148	29	1 37+0 03P*	.....	.....	.....	.....	.....	.....	
149	29	2 00+0 03P*	.....	.....	.....	.....	.....	2 00+0 02P	
150	30	2 23+0 01P*	.....	.....	.....	.....	.....	.....	
151	30	.....	.....	8 13+0 14L	.....	8 20+1 07L	.....	.....	

CORRELATION OF EARTHQUAKES

April, 1946

N O T E S

A :	Ottawa	Δ =	5,850 km.	H = $12^h 29^m.2$ U.T.
	Victoria	Δ =	2,800 km.	H = $12^h 29^m.0$ U.T.
	Saskatoon	Δ =	3,390 km.	H = $12^h 28^m.7$ U.T.
	Halifax	Δ =	6,780 km.	H = $12^h 28^m.8$ U.T.
	Seven Falls	Δ =	6,080 km.	H = $12^h 29^m.1$ U.T.
	Shawinigan Falls	Δ =	5,920 km.	H = $12^h 29^m.2$ U.T.
B :	Ottawa	Δ =	6,280 km.	H = $16^h 59^m.0$ U.T.
	Saskatoon	Δ =	3,580 km.	H = $16^h 59^m.7$ U.T.
C :	Ottawa	Δ =	5,950 km.	H = $18^h 57^m.8$ U.T.
	Victoria	Δ =	2,780 km.	H = $18^h 57^m.8$ U.T.
	Saskatoon	Δ =	3,680 km.	H = $18^h 57^m.8$ U.T.
	Seven Falls	Δ =	6,020 km.	H = $18^h 57^m.8$ U.T.
D :	Ottawa	Δ =	5,720 km.	H = $4^h 14^m.1$ U.T.
	Victoria	Δ =	2,920 km.	H = $4^h 13^m.5$ U.T.
	Saskatoon	Δ =	3,590 km.	H = $4^h 14^m.0$ U.T.
	Seven Falls	Δ =	5,900 km.	H = $4^h 14^m.0$ U.T.
E :	Saskatoon	Δ =	3,520 km.	H = $5^h 38^m.8$ U.T.
F :	Saskatoon	Δ =	3,700 km.	H = $13^h 04^m.4$ U.T.
G :	Victoria	Δ =	2,865 km.	H = $14^h 27^m.4$ U.T.
	Saskatoon	Δ =	3,435 km.	H = $14^h 28^m.0$ U.T.
H :	Ottawa	Δ =	5,970 km.	H = $16^h 30^m.5$ U.T.
	Victoria	Δ =	2,755 km.	H = $16^h 30^m.7$ U.T.
	Saskatoon	Δ =	3,555 km.	H = $16^h 30^m.8$ U.T.
	Seven Falls	Δ =	6,020 km.	H = $16^h 30^m.7$ U.T.
J :	Victoria	Δ =	2,720 km.	H = $8^h 58^m.8$ U.T.
	Saskatoon	Δ =	3,400 km.	H = $8^h 59^m.0$ U.T.
K :	Victoria	Δ =	2,910 km.	H = $16^h 31^m.0$ U.T.
L :	Victoria	Δ =	2,645 km.	H = $21^h 26^m.0$ U.T.
M :	Ottawa	Δ =	5,750 km.	H = $4^h 53^m.1$ U.T.
	Saskatoon	Δ =	3,360 km.	H = $4^h 53^m.2$ U.T.
	Seven Falls	Δ =	5,920 km.	H = $4^h 53^m.1$ U.T.
N :	Ottawa	Δ =	5,920 km.	H = $17^h 36^m.6$ U.T.
O :	Ottawa	Δ =	8,080 km.	H = $1^h 52^m.3$ U.T.
	Seven Falls	Δ =	7,900 km.	H = $1^h 52^m.3$ U.T.
	Shawinigan Falls	Δ =	7,800 km.	H = $1^h 52^m.6$ U.T.
P :	Ottawa	Δ =	195 km.	H = $5^h 05^m.9$ U.T.

Q : Felt in Montreal, Quebec.

Dominion Observatory,

OTTAWA, CANADA

September 12, 1946.

We acknowledge, with thanks, the receipt of the following seismlological publications and bulletins:-

STATIONS	BULLETINS	RECEIVED
	April, 1946	
Paris	July to December, 1945	April 4
Bureau Central	October to December, 1945	" 4
Perth	October to December, 1945	" 10
Paris	January to June, 1944	" 10
U.G.G.I.	September to December, 1945	" 10
New Zealand Stations	January, 1946	" 10
	February, 1946	" 15
Santa Clara	March, 1946	" 15
Almeria	January to June, 1941	" 15
San Fernando	January to July, 1945	" 16
Sydney	January and February, 1945	" 18
La Plata	Year 1945	" 18
San Fernando	August and September, 1945	" 23
Pasadena	July to September, 1945 Preliminary February, 1946	" 24
Mexican Stations	January to June, 1945	" 25
Bolivia	January to December, 1941	" 26
Helwan	Year 1944	" 30
	May, 1946	
Bureau Central	Supplement to October, 1945 and December, 1945	May 9
Paris	July and August, 1944 and January, February, 1946	" 9
Trieste	January and February, 1946	" 18
San Fernando	October, 1945	" 21
Wellington and New Zealand Stations	February, 1946	" 21
Pasadena	Preliminary March, 1946, Locals July - September, 1945	" 21
Santa Clara	April, 1946	" 23
Bureau Central	Earthquake of April 1, 1946	" 25
	June, 1946	
DeBilt	January to April, 1946	June 15
Riverview	May to Dec, 1944	" 17
La Paz	Year 1942	" 20
Brisbane	February, March, 1946	" 25
Zurich	January, February, 1946	" 19
Wellington	March, 1946	" 15
Santa Clara	May, 1946	" 27

SEISMOLOGICAL BULLETINS RECEIVED

STATIONS	BULLETINS	RECEIVED
	July, 1946	
Perth	January, February, March, 1946	July 2
Bogota	September to December, 1945	" 3
Triests	October to December, 1945, March and April, 1946	" 4
Weston	Preliminaries for March, April, May, 1946	" 5
Firenze	January, February, March, April, 1946	" 8
Almeria	July to December, 1941	" 11
Pasadena	October to December, 1945	" 18
Pasadena	Preliminaries October - December, 1945 and March - June, 1946	" 18
Santa Clara	June, 1946	" 23
Wellington	April, 1946	" 23
Rome	May, 1946	" 25
Parc Saint-Maur	May and June, 1946 and February 1946	" 25
Bureau Central	January and February, 1946	" 25
Wellington	May, 1946	" 26
Sofia	Years 1937 and 1938	" 26
Sofia	Local Shocks, 1928 - 1930, 1941 - 1945	" 26

DOMINION OBSERVATORY,
OTTAWA - CANADA.

SEISMOLOGICAL SERVICE OF CANADA

SEISMOLOGICAL BULLETIN

May
1946

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DOMINION OBSERVATORY

OTTAWA - CANADA

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SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

R. Meldrum Stewart, Dominion Astronomer
Ernest A. Hodgson, Seismologist
W. W. Doxsee, Station Superintendent

S T A T I O N S

OTTAWA

ϕ = 45°23'38" N. λ = 75°42'57" W. h = 83m.

Time correction within 0.10s.

Foundation: boulder clay over limestone

Instruments: Milne-Shaw NS and EW components, designated 23 and 17, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 1 lb.

Benioff Vertical, short and long period, designated BS and BL, respectively, photographic registration, BS a paper speed of 60 mm. per min., BL a paper speed of 30 mm. per min., mass 235 lbs.

HALIFAX

Dalhousie University

ϕ = 44°38' N. λ = 63°36' W. h = 46m.

Time correction from recorded radio time signals

Foundation: Carbonaceous slate

Instruments: Bosch NS and EW components, designated HN and HE, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 200g.

SEVEN FALLS

Quebec Power Company

ϕ = 47°07!4 N. λ = 70°49!6 W. h = 232m. ca.

Time correction from recorded radio time signals

Foundation: Solid granite of Canadian Shield

Instruments: Wood-Anderson and Milne-Shaw, both EW component, designated SF and SM, respectively, each with photographic registration, magnetic damping, SF a paper speed of 60 mm. per min. and mass 15g., SM a paper speed of 8 mm. per min. and mass 1 lb.

S T A T I O N S (Cont'd)

VICTORIA

Dominion Astrophysical Observatory

ϕ = 48°31'14" N. λ = 123°24'56" W. h = 197m.

Time correction from recorded radio time signals

Foundation: rock

Instruments: Milne-Shaw NS and EW components, designated 21 and 20, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

SHAWINIGAN FALLS

Shawinigan Water and Power Company

ϕ = 46°33'1 N. λ = 72°45'8 W. h = 60m. ca.

Time correction from recorded radio time signals

Foundation: solid granite of Canadian Shield

Instrument: Wood-Anderson NS component, designated SA, photographic registration, magnetic damping, paper speed of 60 mm. per min., mass 15g.

SASKATOON

University of Saskatchewan

ϕ = 52°08' N. λ = 106°38' W. h = 515m.

Time correction from radio time signals

Foundation: clay and sand

Instrument: Milne-Shaw NE and NW components, designated 18 and 22, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

DETERMINED CONSTANTS

INSTRUMENT	T_o	V	ε	DISPLACEMENT FOR 1" ARC TILT	DISPLACEMENT FOR 10^{-6} g
17 (Ottawa)	12.0	300	20:1	50 mm.	
23 (Ottawa)	12.0	300	20:1	50 mm.	
BS (Ottawa)	1.0				5 mm.
BL (Ottawa)	1.0				16 mm.
MN (Halifax)	5.0	125	20:1		
ME (Halifax)	5.0	125	20:1		
SA (Shawinigan)	1.0	2500			
20 (Victoria)	12.0	300	20:1		
21 (Victoria)	12.0	300	20:1		
SF (Seven Falls)	1.0	2500			
SM (Seven Falls)	12.0	300	20:1	50 mm.	
18 (Saskatoon)	10.0	150	20:1	18 mm.	
22 (Saskatoon)	10.0	150	20:1	18 mm.	

NOTE:- Universal Time used throughout.

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM May 1, 1946 to May 3, 1946 No. 23

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
152 May 2	H	22 47.3	275	
	P_2	22 48 04		
	S_2	22 48 35		
	F	22 49		
		Victoria		
155 May 3	H	22 04.3	9840	
	P	22 17 12		
	PP	22 20 58		
	e_E	22 25 36		
	e_N	22 25 55		
	S	22 28 00		
	SS_E	22 34 31		
	L	22 42		
	F	22 47		
		Seven Falls		
	e	22 30.6		
	e	22 34 49		
	L	22 41.5		
	F	22 47		
		Ottawa		
156 May 3	H_1	22 23.8	13700	USCGS gives:-
	P	22 42 42		ϕ = 9° S.
	PP	22 44 16		λ = 153° E.
	SKKS	22 51 14		
	S	22 52 10		
	PS	22 54 04		
	PPS	22 55 36		
	SS	23 01 03		
	SSS	23 06.0		
	L	23 20		
	F	1 40		
		Victoria		
	H	22 23.9	9840	
	P	22 36 44		
	PP_E	22 40.3		
	e_E	22 46.0		
	S_N	22 47 31		
	SS_N	22 53.5		
	SSS_N	22 57.7		
	F	3 00		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM May 3, 1946 to May 8, 1946 No. 24

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
156 May 3 cont'd	H	22 24.0	10780	
	P	22 37 34		
	PP	22 41 43		
	SKS_{NW}	22 47 56		
	PS_{NE}	22 49 13		
	PPS_{NW}	22 50 46		
	SS	22 56.6		
	SSS_{NE}	23 00.1		
	L	23 05		
	F	2 31		
		Halifax		
	e	22 46 17		
	L	23 03		
	F	0 48		
		Seven Falls		
	H	22 23.6	14670	
	Pl	22 42 47		
	PP	22 45.0		
	SKS	22 49 37		
	SKKS	22 51.5		
	PS	22 54 17		
	SS	23 01.5		
	SSS	23 05 52		
	L	23 10		
	F	3 15		
		Shawinigan Falls		
	H	22 23.9	13500	
	Pl	22 42 49		
	PS	22 54.2		
	L	23 14		
	F	0 28		
		Ottawa		
161 May 8	H	5 20.3	15200	USCGS gives:-
	Pl	5 39 42		ϕ = 1° S.
	PP	5 42 14		λ = 98° E.
	$SKKS_N$	5 49 18		
	PPS_Z	5 54 20		
	SS	6 00 34		
	SSS	6 05.4		
	L	6 21		
	F	8 31		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, CANADA

FROM May 8, 1946 to May 8, 1946 No. 25

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
161 May 8 cont'd	H	5 20.6	13220	
	Pl	5 39.5		
	PP	5 40 52		
	PS	5 50 28		
	SS	5 57		
	SSS	6 02		
	L	6 15		
	F	8 21		
		Saskatoon		
	H	5 20.5	13890	
	Pl	5 39 33		
	PP	5 41 08		
	SKS	5 46 28		
	PS	5 51 29		
	SS	5 58 33		
	SSS	6 03 35		
	L	6 15		
	F	8 28		
		Halifax		
	e	5 42 08		
	i	5 43 11		
	e	6 00		
	L	6 11		
	F	7 42		
		Seven Falls		
	H	5 20.4	14900	
	Pl	5 39 39		
	PP	5 42 02		
	PS	5 52.6		
	PPS	5 54.6		
	SS	5 59 53		
	SSS	6 04.8		
	L	6 14		
	F	9 00		
		Shawinigan Falls		
	H	5 20.4	14900	
	Pl	5 39.7		
	PP	5 42 02		
	SKP	5 43 09		
	e	5 46.9		
	SKS	5 49.1		
	SKKS	5 52.1		
	PS	6 06		
	L	6 25		
	F	7 13		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, CANADA

FROM May 8, 1946 to May 9, 1946 No. 26

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
162 May 8	H	9 45.2	14200	
	Pl	10 04 22		
	PP	10 06.3		
	SKKS	10 13.2		
	PPS	10 18		
	SS	10 23.4		
	L	10 40		
	F	12 25		
		Victoria		
	H	9 45.8	9710	
	P	9 58 34		
	S	10 09 16		
	SS_E	10 16.3		
	SSS_E	10 19.9		
	L	10 29		
	F	12 48		
		Saskatoon		
	e	10 10 09		
	e	10 13 04		
	e	10 19.0		
	L	10 29		
	F	12 31		
		Seven Falls		
	e	10 07 24		
	e	10 19.0		
	L	10 23		
	F	12 22		
		Ottawa		
166 May 9	H	23 34.6	3690	USCGS gives:-
	P	23 41 16		ϕ = 22° N.
	S	23 46 44		λ = 108° W.
	L	23 50		
	F	1 16		
		Victoria		
	H	23 34.7	3010	
	P	23 40.5		
	PP	23 41.4		
	S	23 45 14		
	L	23 48.5		
	F	1--12		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM May 9, 1946 to May 14, 1946 No. 27

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
166	H	23 34.2	3320	
May	P	23 40.4		
9	S	23 45 31		
cont'd	L	23 49		
	F	0 52		
		Seven Falls		
	e	23 42.0		
	e	23 43 26		
	e	23 47.6		
	L	23 50.5		
	F	0 50		
		Ottawa		
172	H	18 39.6	4750	
May	P_Z	18 47 35		
11	S	18 54.1		
	L	19 02		
	F	19 24		
		Ottawa		
174	H	13 20.3	3780	
May	P	13 27 04		
12	PPP_E	13 28 18		
	S	13 32 36		
	L	13 37		
	F	14 24		
		Saskatoon		
	e	13 37 15		
	L	13 45		
	F	14 07		
		Seven Falls		
	H	13 20.3	3360	
	P	13 26 36		
	S	13 31 44		
	L	13 36		
	F	14 34		
		Ottawa		
176	e	6 11 34		
May	e	6 13 19		
14	F	6 15		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA.

FROM May 14, 1946 to May 15, 1946 No. 28

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
174 May 14 cont'd	e	6 13.8		
	e	6 15.4		
	e	6 16.6		
	F	6 23		
		Ottawa		
181 May 15	H	22 10.7	3740	USCGS gives:-
	P	22 17 24		ϕ = 16° N.
	PP	22 18 22		λ = 96° W.
	S	22 22 55		
	SS	22 25		
	L	22 27.5		
	F	0 33		
		Victoria		
	H	22 10.6	4440	
	P	22 18 13		
	PPP	11 19 57		
	S	22 24 27		
	SSS	22 27 43		
	L	22 29		
	F	1 04		
		Saskatoon		
	H	22 10.6	4150	
	P	22 17 53		
	S	22 23 50		
	SS	22 26 24		
	L	22 29		
	F	0 16		
		Halifax		
	e	22 18 16		
	L	22 30		
	F	23 22		
		Seven Falls		
	H	22 10.7	4190	
	P	22 17 53		
	PPP	22 19 29		
	S	22 23 52		
	e	22 28		
	L	22 32		
	F	0 54		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA.

FROM May 15, 1946 to May 19, 1946 No. 29

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Shawinigan Falls		
181 May 15 cont'd	H	22 10.7	3950	
	P	22 17 43		
	S	22 23 27		
	F	22 32		
		Seven Falls		
182 May 15	H	22 24.3	4200	
	P	22 31 34		
	S	22 37 34		
	L	22 42		
	F	23 03		
		Shawinigan Falls		
	H	22 24.3	4040	
	P	22 31 25		
	S	22 37 15		
	SS	22 39.0		
	L	22 42.1		
	F	22 54		
		Ottawa		
183 May 16	e_Z	5 44 10		
	L	6 23		
	F	7 09		
		Victoria		
	e	5 49 15		
	L	6 05		
	F	7 03		
		Ottawa		
184 May 19	e_Z	0 42 12		
	e	0 51.0		
	L	1 01		
	F	1 40		
		Victoria		
	H	0 31.8	4480	
	P	0 39 28		
	S	0 45 44		
	SSS	0 49.2		
	L	0 53		
	F	2 05		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM May 19, 1946 to May 21, 1946 No. 30

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
184 May 19 cont'd	e	0 47.2		
	L	0 55		
	F	1 20		
		Seven Falls		
	e	0 51.1		
	L	1 02		
	F	2 14		
		Saskatoon		
185 May 20	e	14 34 40		
	L	14 36		
	F	14 43		
		Ottawa		
187 May 21	H	9 16.9	3500	USCGS gives ϕ = 14°.2 N. λ = 60°.8 W.
	P	9 23 19		
	S	9 28 35		
	SS_E	9 30.0		
	L	9 32.4		
	F	10 45		
		Victoria		
	H	9 17.0	6650	
	P	9 27 04		
	S	9 35 22		
	L	9 44		
	F	10 49		
		Saskatoon		
	H	9 17.0	5620	
	P	9 25 54		
	S	9 33 14		
	e	9 35 38		
	SS	9 37.4		
	e_{NE}	9 39.8		
	L	9 42		
	F	10 42		
		Halifax		
	H	9 17.1	3035	
	P	9 22 57		
	S	9 27 44		
	L	9 30		
	F	9 58		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM May 21, 1946 to May 31, 1946 No. 31

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
187 May 21 cont'd	H	9 16.9	3520	
	P	9 23 21		
	S	9 28 38		
	L	9 32		
	F	9 47		
		Shawinigan Falls		
	H	9 16.9	3540	
	P	9 23 20		
	S	9 28 38		
	L	9 33		
	F	9 46		
		Ottawa		
190 May 22	H	14 27.9	90	Cornwall?
	P_1	14 28 10.5		
	S_1	14 28 21		
	F^1	14 28 30		
191 May 22	H	14 30.0	90	
	P_1	14 20 16.5		
	i^1	14 30 19		
	S_{iz}	14 30 27		
	i_z	14 30 28.5		
	F	14 30.6		
		Victoria		
192 May 23	e	1 52 10		
	L	2 07		
	F	2 48		
		Ottawa		
194 May 23	H	20 02.8	150	
	P_{2Z}	20 03 15		
	S_{2Z}	20 03 22		
	i_Z	20 03 25.5		
	F	20 03.9		
		Ottawa		
202 May 31	H	3 12.5	9080	W. W. Doxsee.
	P	3 24 46		
	S_E	3 35.0		
	SSS_E	3 43.5		
	L	3 54		
	F	4 22		
		Victoria		
	e	3 35 55		
	L	3 58		
	F	4 34		

EARTHQUAKE CORRELATION TABLE

May, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
152	2	22 48+0 01v*	.....	.....	.....	.....	.....	.....	A
153	3	22 20+0 01.4P*	.....	.....	.....	.....	.....	.....	..
154	3	22 23+0 01P*	.....	.....	.....	.....	.....	.....	..
155	3	22 27+0 20L	22 17+0 30u	.....	.....	22 31+0 16u	.....	.....	B
156	3	22 43+2 58U	22 37+4 23U	22 38+3 52U	22 46+2 02U	22 45+4 33U	22 43+1 50U	22 43+1 45	C
157	3	22 46+0 01P*	.....	.....	.....	.....	.....	.....	..
158	3	23 06+0 01P*	.....	.....	.....	.....	.....	.....	..
159	4	.....	14 04+0 16L	.....	.....	.....	.....	.....	..
160	7	.....	4 56+0 10L	5 01+0 07L	.....	.....	.....	.....	..
161	8	5 40+2 51U	5 40+2 41U	5 40+2 48U	5 42+2 00U	5 42+3 18U	5 40+1 48U	5 40+1 33U	D
162	8	10 04+2 21u	9 59+2 49u	10 10+2 21u	.....	10 07+2 15u	.....	.....	E
163	8	16 05+0 02P*	.....	.....	.....	.....	.....	16 05+0 04P	..
164	9	20 01+0 01P*	.....	.....	.....	.....	.....	.....	..
165	9	.....	22 44+0 36L	.....	.....	23 12+0 15L	.....	.....	..
166	9	23 41+1 35r	23 40+1 32r	23 40+1 12r	23 57+0 21L	23 43+1 17r	23 42+0 35r	23 53+0 14L	F
167	10	7 15+0 00.5P*	.....	.....	.....	7 22+0 03L	.....	.....	..
168	10	.....	11 11+0 10L	11 17+0 02L	.....	.....	.....	.....	..
169	10	.....	13 48+0 20L	13 43+0 07L	.....	.....	.....	.....	..
170	11	16 34+0 01P*	.....	.....	.....	.....	.....	.....	..
171	11	18 04+0 46L	17 39+0 59L	.....	.....	.....	.....	.....	..
172	11	18 48+0 36r	18 57+0 39L	19 01+0 22L	.....	.....	18 47+0 03P	18 47+0 04P	G
173	11	20 36+0 01P*	.....	.....	.....	.....	.....	.....	..
174	12	13 27+0 57r	13 36+1 05L	13 37+0 30r	.....	13 27+1 07r	13 27+0 03P	.....	H
175	13	.....	.....	.....	.....	6 52+0 12L	.....	.....	..
176	14	6 12+0 03P*	.....	6 14+0 10r	.....	.....	.....	6 12+1 02P	..
177	14	18 59+0 01P*	.....	.....	.....	.....	.....	.....	..
178	14	.....	21 01+0 22L	.....	.....	.....	.....	.....	..

EARTHQUAKE CORRELATION TABLE

May, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
179	15	6 17+0 01P*	.....	.....	.....	.....	.....	.....	..
180	15	12 00+0 01P*	.....	.....	.....	.....	.....	.....	..
181	15	22 17+2 16r	22 18+2 46r	22 18+1 58r	22 18+1 04r	22 18+2 36r	22 18+0 13r	22 18+0 14r	I
182	15	22 31+0 12P	.....	.....	.....	.....	22 32+0 31r	22 31+0 30r	J
183	16	5 44+1 25u	5 49+1 14u	6 11+0 33L	.....	6 24+1 20L	.....	.....	..
184	19	0 42+0 58u	0 39+1 25r	0 47+0 33r	.....	0 51+1 23u	.....	0 42+0 02P	K
185	20	.....	14 36+0 11L	14 35+0 09u	.....	14 37+0 17L	.....	.....	..
186	21	8 47+0 14L	.....	.....	.....	.....	.....	.....	..
187	21	9 23+1 22r	9 27+1 22r	9 26+1 16r	9 23+0 35r	.....	9 23+0 24r	9 23+0 23r	L
188	22	.....	10 22+0 12L	.....	.....	.....	.....	.....	..
189	22	14 25+0 01P*	.....	.....	.....	.....	.....	.....	..
190	22	14 28+0 00.5 d	.....	.....	.....	.....	.....	.....	M
191	22	14 30+0 00.5 d	.....	.....	.....	.....	.....	.....	N
192	23	2 22+0 42L	1 52+0 56u	2 25+0 14L	.....	.....	.....	.....	..
193	23	.....	11 49+0 30L	.....,	.....	.....	.....	.....	..
194	23	20 03+0 01v*	.....	.....	.....	.....	.....	.....	O
195	24	.....	18 44+0 06L	.....	.....	.....	.....	.....	..
196	25	.....	1 53+0 14L	.....	.....	.....	.....	.....	..
197	28	.....	.....	0 44+0 09L	.....	.....	.....	.....	..
198	29	19 43+0 00.5 v	.....	.....	.....	.....	.....	.....	..
199	30	.....	4 22+0 11L	.....	.....	4 06+0 22L	.....	.....	..
200	30	.....	12 27+0 12L	.....	.....	.....	.....	.....	..
201	31	.....	1 49+0 05L	.....	.....	2 09+0 10L	.....	.....	..
202	31	3 25+0 57u	3 36+0 58u	.....	.....	3 34+1 14L	.....	.....	P

CORRELATION OF EARTHQUAKES

May, 1946

N O T E S

A :	Ottawa	Δ = 275 km.	H = 22^h47^m3 U.T.
B :	Victoria	Δ = 9,840 km.	H = 22^h04^m3 U.T.
C :	Ottawa	Δ = 13,700 km.	H = 22^h23^m8 U.T.
	Victoria	Δ = 9,840 km.	H = 22 23.9 U.T.
	Saskatoon	Δ = 10,700 km.	H = 22 24.0 U.T.
	Seven Falls	Δ = 14,670 km.	H = 22 23.6 U.T.
	Shawinigan Falls	Δ = 13,500 km.	H = 22 23.9 U.T.
D :	Ottawa	Δ = 15,200 km.	H = 5^h20^m3 U.T.
	Victoria	Δ = 13,220 km.	H = 5 20.6 U.T.
	Saskatoon	Δ = 13,890 km.	H = 5 20.5 U.T.
	Seven Falls	Δ = 14,900 km.	H = 5 20.4 U.T.
	Shawinigan Falls	Δ = 14,900 km.	H = 5 20.4 U.T.
E :	Ottawa	Δ = 14,200 km.	H = 9^h45^m2 U.T.
	Victoria	Δ = 9,710 km.	H = 9 45.8 U.T.
F :	Ottawa	Δ = 3,690 km.	H = 23^h34^m6 U.T.
	Victoria	Δ = 3,010 km.	H = 23 34.7 U.T.
	Saskatoon	Δ = 3,320 km.	H = 23 34.2 U.T.
G :	Ottawa	Δ = 4,750 km.	H = 18^h39^m6 U.T.
H :	Ottawa	Δ = 3,780 km.	H = 13^h20^m3 U.T.
	Seven Falls	Δ = 3,365 km.	H = 13 20.3 U.T.
I :	Ottawa	Δ = 3,740 km.	H = 22^h10^m7 U.T.
	Victoria	Δ = 4,440 km.	H = 22 10.6 U.T.
	Saskatoon	Δ = 4,150 km.	H = 22 10.6 U.T.
	Seven Falls	Δ = 4,190 km.	H = 22 10.7 U.T.
	Shawinigan Falls	Δ = 3,950 km.	H = 22 10.7 U.T.
J :	Seven Falls	Δ = 4,200 km.	H = 22^h24^m3 U.T.
	Shawinigan Falls	Δ = 4,040 km.	H = 22 24.3 U.T.
K :	Victoria	Δ = 4,480 km.	H = 0^h31^m8 U.T.
L :	Ottawa	Δ = 3,500 km.	H = 9^h16^m9 U.T.
	Victoria	Δ = 6,650 km.	H = 9 17.0 U.T.
	Saskatoon	Δ = 5,620 km.	H = 9 17.0 U.T.
	Halifax	Δ = 3,035 km.	H = 9 17.1 U.T.
	Seven Falls	Δ = 3,520 km.	H = 9 16.9 U.T.
	Shawinigan Falls	Δ = 3,540 km.	H = 9 16.9 U.T.
M :	Ottawa	Δ = 90 km.	H = 14^h27^m9 U.T.
N :	Ottawa	Δ = 90 km.	H = 14^h30^m0 U.T.
O :	Ottawa	Δ = 150 km.	H = 20^h02^m8 U.T.
P :	Ottawa	Δ = 9,080 km.	H = 3^h12^m5 U.T.

Dominion Observatory,

OTTAWA , CANADA

November 12, 1946.

SEISMOLOGICAL SERVICE OF CANADA

SEISMOLOGICAL BULLETIN

June, July

1946

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DOMINION OBSERVATORY

OTTAWA - CANADA

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SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

R. Meldrum Stewart, Dominion Astronomer
Ernest A. Hodgson, Seismologist
W. W. Doxsee, Station Superintendent

S T A T I O N S

OTTAWA

ϕ = 45°23'38" N. λ = 75°42'57" W. h = 83m.

Time correction within 0.10s.

Foundation: boulder clay over limestone

Instruments: Milne-Shaw NS and EW components, designated 23 and 17, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 1 lb.

Benioff Vertical, short and long period, designated BS and BL, respectively, photographic registration, BS a paper speed of 60 mm. per min., BL a paper speed of 30 mm. per min., mass 235 lbs.

HALIFAX

Dalhousie University

ϕ = 44°38' N. λ = 63°36' W. h = 46m.

Time correction from recorded radio time signals

Foundation: Carbonaceous slate

Instruments: Bosch NS and EW components, designated HN and HE, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 200g.

SEVEN FALLS

Quebec Power Company

ϕ = 47°07!4 N. λ = 70°49!6 W. h = 232m. ca.

Time correction from recorded radio time signals

Foundation: Solid granite of Canadian Shield

Instruments: Wood-Anderson and Milne-Shaw, both EW component, designated SF and SM, respectively, each with photographic registration, magnetic damping, SF a paper speed of 60 mm. per min. and mass 15g., SM a paper speed of 8 mm. per min. and mass 1 lb.

S T A T I O N S (Cont'd)

VICTORIA

Dominion Astrophysical Observatory

ϕ = 48°31'14" N. λ = 123°24'56" W. h = 197m.

Time correction from recorded radio time signals

Foundation: rock

Instruments: Milne-Shaw NS and EW components, designated 21 and 20, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

SHAWINIGAN FALLS

Shawinigan Water and Power Company

ϕ = 46°33'1 N. λ = 72°45'8 W. h = 60m. ca.

Time correction from recorded radio time signals

Foundation: solid granite of Canadian Shield

Instrument: Wood-Anderson NS component, designated SA, photographic registration, magnetic damping, paper speed of 60 mm. per min., mass 15g.

SASKATOON

University of Saskatchewan

ϕ = 52°08' N. λ = 106°38' W. h = 515m.

Time correction from radio time signals

Foundation: clay and sand

Instrument: Milne-Shaw NE and NW components, designated 18 and 22, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

DETERMINED CONSTANTS

INSTRUMENT	T_o	V	ε	DISPLACEMENT FOR 1" ARC TILT	DISPLACEMENT FOR 10^{-6} g
17 (Ottawa)	12.0	300	20:1	50 mm.	
23 (Ottawa)	12.0	300	20:1	50 mm.	
BS (Ottawa)	1.0				5 mm.
BL (Ottawa)	1.0				16 mm.
MN (Halifax)	5.0	125	20:1		
ME (Halifax)	5.0	125	20:1		
SA (Shawinigan)	1.0	2500			
20 (Victoria)	12.0	300	20:1		
21 (Victoria)	12.0	300	20:1		
SF (Seven Falls)	1.0	2500			
SM (Seven Falls)	12.0	300	20:1	50 mm.	
18 (Saskatoon)	10.0	150	20:1	18 mm.	
22 (Saskatoon)	10.0	150	20:1	18 mm.	

NOTE:- Universal Time used throughout.

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

R. Meldrum Stewart, Dominion Astronomer
Ernest A. Hodgson, Seismologist
W. W. Doxsee, Station Superintendent

S T A T I O N S

OTTAWA

ϕ = 45°23'38" N. λ = 75°42'57" W. h = 83m.

Time correction within 0.10s.

Foundation: boulder clay over limestone

Instruments: Milne-Shaw NS and EW components, designated 23 and 17, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 1 lb.

Benioff Vertical, short and long period, designated BS and BL, respectively, photographic registration, BS a paper speed of 60 mm. per min., BL a paper speed of 30 mm. per min., mass 235 lbs.

HALIFAX

Dalhousie University

ϕ = 44°38' N. λ = 63°36' W. h = 46m.

Time correction from recorded radio time signals

Foundation: Carbonaceous slate

Instruments: Bosch NS and EW components, designated HN and HE, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 200g.

SEVEN FALLS

Quebec Power Company

ϕ = 47°07!4 N. λ = 70°49!6 W. h = 232m. ca.

Time correction from recorded radio time signals

Foundation: Solid granite of Canadian Shield

Instruments: Wood-Anderson and Milne-Shaw, both EW component, designated SF and SM, respectively, each with photographic registration, magnetic damping, SF a paper speed of 60 mm. per min. and mass 15g., SM a paper speed of 8 mm. per min. and mass 1 lb.

S T A T I O N S (Cont'd)

VICTORIA

Dominion Astrophysical Observatory

ϕ = 48°31'14" N. λ = 123°24'56" W. h = 197m.

Time correction from recorded radio time signals

Foundation: rock

Instruments: Milne-Shaw NS and EW components, designated 21 and 20, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

SHAWINIGAN FALLS

Shawinigan Water and Power Company

ϕ = 46°33'1 N. λ = 72°45'8 W. h = 60m. ca.

Time correction from recorded radio time signals

Foundation: solid granite of Canadian Shield

Instrument: Wood-Anderson NS component, designated SA, photographic registration, magnetic damping, paper speed of 60 mm. per min., mass 15g.

SASKATOON

University of Saskatchewan

ϕ = 52°08' N. λ = 106°38' W. h = 515m.

Time correction from radio time signals

Foundation: clay and sand

Instrument: Milne-Shaw NE and NW components, designated 18 and 22, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

DETERMINED CONSTANTS

INSTRUMENT	T_o	V	ε	DISPLACEMENT FOR 1" ARC TILT	DISPLACEMENT FOR 10-5 g
17 (Ottawa)	12.0	300	20:1	50 mm.	
23 (Ottawa)	12.0	300	20:1	50 mm.	
BS (Ottawa)	1.0				5 mm.
BL (Ottawa)	1.0				16 mm.
HN (Halifax)	5.0	125	20:1		
HE (Halifax)	5.0	125	20:1		
SA (Shawinigan)	1.0	2500			
20 (Victoria)	12.0	300	20:1		
21 (Victoria)	12.0	300	20:1		
SF (Seven Falls)	1.0	2500			
SM (Seven Falls)	12.0	300	20:1	50 mm.	
18 (Saskatoon)	10.0	150	20:1	18 mm.	
22 (Saskatoon)	10.0	150	20:1	18 mm.	

NOTE:- Universal Time used throughout.

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM June 1, 1946 to June 6, 1946 No. 32

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
204 June 2	H	1 09.2	9380	
	P	1 21 40		
	S	1 32 08		
	L	1 45		
	F	2 38		
		Saskatoon		
	e	1 33.3		
	L	1 58		
	F	2 21		
		Ottawa		
205 June 3	e	14 02 10		
	L	14 14		
	F	14 55		
		Seven Falls		
	e	14 02 20		
	L	14 12		
	F	14 49		
		Ottawa		
206 June 5	e	1 11 36		
	e_E	1 19		
	L	1 41		
	F	2 33		
		Victoria		
	e	1 15 57		
	L	1 30		
	F	2 19		
		Ottawa		
207 June 6	e	10 57 52		
	L	11 05		
	F	11 55		
		Victoria		
	H	10 53.1	5850	
	P	11 02 19		
	S	11 09.9		
	SSS_N	11 15.4		
	L	11 17.8		
	F	12 17		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM June 6, 1946 to June 7, 1946 No. 33

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
207 June 6 (cont'd)	H	10 53.9	4320	
	P	11 01 24		
	S	11 07 32		
	L	11 17		
	F	11 58		
		Ottawa		
208 June 7	H	4 13.5	3360	USCGS gives:
	P	4 19 43		ϕ = 17° N.
	i	4 20 09		λ = 94° W.
	PPP	4 20 45		h = 100 km.
	S	4 24 50		
	i	4 25 36		Tacubaya gives:
	SS	4 26.7		ϕ = 16°51' N.
	eL	4 28.5		λ = 95°02' W.
	F	5 44		h = 70 km.
		Victoria		
	H	4 13.1	4320	
	P	4 20 33		
	PPP	4 22 37		
	S	4 26 41		
	SSS	4 30 33		
	L	4 33		
	F	6 34		
		Saskatoon		
	H	4 13.7	3700	
	P	4 20 27		
	PPP	4 22 11		
	S	4 25 56		
	SS	4 28.7		
	L	4 31		
	F	6 00		
		Halifax		
	H	4 13.8	3800	
	P	4 20 36		
	PPP	4 22 08		
	S	4 26 11		
	SS	4 28		
	L	4 29		
	F	5 18		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY - OTTAWA

FROM June 7, 1946 to June 12, 1946 No. 34

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km	
		Seven Falls		
208 June 7 (cont'd)	E	4 13.6	3680	
	P	4 20 17		
	PPP	4 21 33		
	S	4 25 44		
	L	4 30		
	F	6 36		
		Shawinigan Falls		
	E	4 13.4	3620	
	P	4 20 02		
	e	4 20 28		
	S	4 25.4		
	L	4 33		
	F	5 10		
		Ottawa		
209 June 9	e_Z	7 05 32		
	e	7 13.0		
	L	7 17		
	F	8 05		
		Victoria		
	e	7 01.1		
	L	7 06		
	F	8 07		
		Victoria		
210 June 11	e	8 00.7		
	L	8 02		
	F	8 19		
		Victoria		
212 June 12	H	16 10.1	7900	
	P	16 21 20		
	S	16 30 40		
	SS_N	16 36.0		
	L	16 45		
	F	17 36		
		Saskatoon		
	e	16 32.4		
	L	16 58		
	F	17 16		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY - OTTAWA

FROM June 12, 1946 to June 23, 1946 No. 35

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
212 June 12 (cont'd)	e	16 47		
	L	17 01		
	F	18 08		
		Ottawa		
214 June 15	H	18 22.3	14700	
	SKS_Z	18 48 34		
	$SKKS_Z$	18 50.8		
	S	18 52.0		
	SS	19 01		
	SSS_N	19 08.5		
	L	19 23		
	F	20 42		
		Victoria		
	e	18 47.8		
	e	18 53.8		
	L	19 22		
	F	20 16		
		Seven Falls		
	e	18 51.3		
	L	19 25		
	F	20 58		
		Ottawa		
215 June 17	H	20 26.1	150	
	P_2	20 26 29		
	S_2	20 26 46		
	F^2	20 27.3		
		Ottawa		
221 June 23	H	17 13.4	3600	USCGS gives
	P	17 19 57		φ = 49°.9 N.
	PP	17 21 00		λ = 125°.3 W.
	PPP_N	17 21 20		
	S	17 25 19		
	i	17 25 32		
	SS	17 27 40		
	L	17 29.7		
	F	21 15		
		Victoria		
	e	17 13.8		
	F	21 35		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY - OTTAWA

FROM June 23, 1946 to June 25, 1946 No. 36

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
221 June 23 (cont'd)	H	17 13.5	1260	
	P	17 16 15		
	S	17 18 32		
	L	17 20		
	F	19 50		
		Halifax		
	H	17 13.5	4450	
	P	17 21 06		
	PP	17 22 49		
	S	17 27 21		
	SS	17 30 25		
	L	17 32		
	F	19 01		
		Seven Falls		
	H	17 13.3	3910	
	P	17 20 17		
	PPP	17 21 47		
	S	17 25 59		
	SS	17 28 02		
	L	17 30.8		
	F	21 38		
		Shawinigan Falls		
	H	17 13.4	3740	
	P	17 20 08		
	PP	17 21 07		
	PPP	17 21 31		
	S	17 25 39		
	SS	17 27 39		
	L	17 30.4		
	F	18 37		
		Ottawa		
223 June 24	H	15 48.5	3230	USCGS gives ϕ = 14° N. λ = 91° W.
	P	15 54 34		
	S	15 59 33		
	SS	16 01		
	L	16 03.3		
	F	16 23		
		Ottawa		
226 June 25	e	14 17 41		
	L	14 28		
	F	14 30		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY - OTTAWA

FROM June 25, 1946 to June 26, 1946 No. 37

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
228 June 26	E	7 53.8	3520	USCGS gives ϕ = 14° N. λ = 91° W.
	P	8 00 15		
	PPP	8 01 37		
	S	8 05 32		
	e	8 06.0		
	SS	8 07 28		
	L	8 09.6		
	F	8 46		
		Victoria		
	e	8 01 35		
	L	8 12		
	F	8 53		
		Saskatoon		
	e	8 02 35		
	L	8 13		
	F	8 32		
		Halifax		
	e	8 01.0		
	e	8 02 30		
	F	8 20		
		Seven Falls		
	E	7 53.9	3800	
	P	8 00 45		
	PPP	8 02 12		
	S	8 06 20		
	SSS	8 09.3		
	L	8 12		
	F	8 51		
		Shawinigan Falls		
	e	8 00 33		
	e	8 02.0		
	L	8 11		
	F	8 20		
		Victoria		
229 June 26	e	13 01.4		
	L	13 27		
	F	15 14		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY - OTTAWA

FROM June 26, 1946 to June 30, 1946 No. 38

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
229 June 26 (cont'd)	e	12 56.7		
	L	13 14		
	F	15 18		
		Ottawa		
230 June 27	H	21 06.3	130	
	P_2	21 06 41.5		
	S_2	21 06 56.5		
	F	21 08.5		
		Ottawa		
233 June 30	H	4 59.8	3160	
	P	5 05 45		
	PP	5 06 22		
	PPP	5 06 42		
	S	5 10 40		
	L	5 14		
	F	5 30		
		Seven Falls		
	e	5 07.4		
	e	5 11 55		
	L	5 15		
	F	5 18		
		Saskatoon		
234 June 30	e	23 00.0		
	L	23 21		
	F	0 09		

W. W. Doyle.

EARTHQUAKE CORRELATION TABLE

Month June 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						H. S.	V. A.		
203	1	.....	.....	.....	.....	17 07+0 17L	.....	.....	..
204	2	1 52+0 41L	1 22+1 16u	1 33+0 48u	.....	1 57+0 47L	.....	.....	A
205	3	14 02+0 53u	13 57+0 29L	14 01+0 31L	.....	14 02+0 47u	.....	.....	..
206	5	1 12+1 21u	1 16+1 03u	1 40+0 37L	.....	1 23+1 46L	.....	.....	..
207	6	10 58+0 57u	11 02+1 15u	11 01+0 57u	.....	10 57+1 02L	.....	.....	B
208	7	4 20+1 24P	4 21+2 13R	4 20+1 40R	4 21+0 57R	4 20+2 16R	4 20+0 37R	4 20+0 50R	C
209	9	7 06+1 00u	7 01+1 06u	7 08+0 54L	7 27+0 15L	7 17+0 45L	.....	.....	..
210	11	8 19+0 10L	8 01+0 18u	8 08+0 13L	.....	8 19+0 12L	.....	.....	..
211	12	.....	.....	.....	.....	.....	.....	10 19+00.1d	..
212	12	16 59+0 45L	16 21+1 15u	16 32+0 44u	.....	16 47+1 21u	.....	.....	D
213	14	.....	.....	21 22+0 28L	.....	.....	.....	.....	..
214	15	18 49+1 53u	18 48+1 28u	.....	.....	18 51+2 07u	.....	18 51+0 05P	E
215	17	20 26+0 01v*	.....	.....	.....	.....	.....	.....	F
216	21	4 49+0 06L	4 44+0 07L	.....	.....	.....	.....	.....	..
217	21	5 21+0 04L	5 16+0 06L	.....	.....	.....	.....	.....	..
218	21	.....	12 43+0 51L	.....	.....	13 16+0 21L	.....	.....	..
219	23	.....	4 34+0 10L	.....	.....	.....	.....	.....	..
220	23	.....	.....	.....	.....	16 02+0 14L	.....	.....	..
221	23	17 20+3 55R	17 14+4 21V	17 16+2 34R	17 21+1 40R	17 20+4 18R	17 20+1 08R	17 20+1 17R	G
222	24	12 37+0 29L	12 36+0 24L	12 40+0 17L	.....	12 41+0 19L	.....	.....	..
223	24	15 55+0 28r	15 56+0 43L	.....	.....	15 56+0 28L	15 55+0 13r	15 55+0 13r	H
224	24	.....	17 23+0 51L	.....	.....	18 10+0 11L	.....	.....	..
225	25	0 15+0 03P*	.....	.....	.....	.....	.....	.....	..
226	25	14 18+0 12r	.....	.....	.....	.....	.....	.....	..
227	26	5 04+0 19L	4 39+0 31L	.....	.....	5 05+0 11L	.....	.....	..
228	26	8 00+0 46r	8 02+0 51r	8 03+0 29r	8 01+0 19r	8 01+0 50r	8 01+0 19r	8 01+0 19	I
229	26	13 35+1 27L	13 01+2 13u	13 31+1 16L	13 47+0 24L	12 57+2 21u	.....	.....	
230	27	21 07+0 0.3v*	.....	.....	.....	.....	.....	21 08+0 0.1v	J
231	27	.....	22 04+0 03L	.....	.....	22 40+0 36L	.....	.....	..
232	28	8 12+1 10L	8 06+0 35L	8 12+0 45L	.....	8 20+1 03L	.....	.....	..
233	30	5 06+0 24r	.....	.....	.....	.....	5 07+0 11r	5 06+0 13r	K
234	30	.....	.....	23 00+1 09u	.....	.....	.....	.....	..

CORRELATION OF EARTHQUAKES

June, 1946

N O T E S

A	:	Victoria	Δ = 9380 km.	H = $1^h09^m.2$ U.T.
B	:	Victoria	Δ = 5850 km.	H = $10^h53^m.1$ U.T.
		Saskatoon	Δ = 4320 km.	H = 10 53.9 U.T.
C	:	Ottawa	Δ = 3360 km.	H = $4^h13^m.5$ U.T.
		Victoria	Δ = 4320 km.	H = 4 13.1 U.T.
		Saskatoon	Δ = 3700 km.	H = 4 13.7 U.T.
		Halifax	Δ = 3800 km.	H = 4 13.8 U.T.
		Seven Falls	Δ = 3680 km.	H = 4 13.6 U.T.
		Shawinigan Falls	Δ = 3620 km.	H = 4 13.4 U.T.
D	:	Victoria	Δ = 7900 km.	H = $16^h10^m.1$ U.T.
E	:	Ottawa	Δ =14700 km.	H = $18^h22^m.3$ U.T.
F	:	Ottawa	Δ = 150 km.	H = $20^h26^m.1$ U.T.
G	:	Ottawa	Δ = 3600 km.	H = $17^h13^m.4$ U.T.
		Saskatoon	Δ = 1260 km.	H = 17 13.5 U.T.
		Halifax	Δ = 4450 km.	H = 17 13.5 U.T.
		Seven Falls	Δ = 3910 km.	H = 17 13.3 U.T.
		Shawinigan Falls	Δ = 3740 km.	H = 17 13.4 U.T.
H	:	Ottawa	Δ = 3230 km.	H = $15^h48^m.5$ U.T.
I	:	Ottawa	Δ = 3520 km.	H = $7^h53^m.8$ U.T.
		Seven Falls	Δ = 3800 km.	H = 7 53.9 U.T.
J	:	Ottawa	Δ = 130 km.	H = $21^h06^m.3$ U.T.
K	:	Ottawa	Δ = 3160 km.	H = $4^h59^m.8$ U.T.

Dominion Observatory,

Ottawa, Canada,

November 26, 1946.

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

FROM July 1, 1946 to July 1, 1946 No. 39

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
235 July 1	E	2 52.3	4960	USCGS gives ϕ = 64° N. λ = 148° W.
	P	3 00 30		
	PP	3 02 08		
	S	3 07.2		
	SS	3 10 08		
	L	3 15		
	F	3 53		
		Victoria		
	E	2 52.4	2380	
	P	2 57 15		
	S	3 01 11		
	L	3 03		
	F	3 49		
		Seven Falls		
	e	3 07.3		
	L	3 14		
	F	3 57		
		Shawinigan Falls		
	e	3 00 33		
	L	3 15		
	F	3 28		
		Ottawa		
236 July 1	E	22 35.6	13400	
	PP	22 55 50		
	SPIS?	23 02.7		
	PS	23 05.5		
	CS	23 12.3		
	SSS	23 16.2		
	L	23 27		
	F	1 07		
		Victoria		
	E	22 35.8	9740	
	P	22 48 33		
	PPP	22 53.0		
	S	22 59 16		
	SS	23 04.9		
	L	23 12		
	F	23 43		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM July 1, 1946 to July 9, 1946 No. 40

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
236 July 1 (cont'd)	P	22 36.3	13000	
	PP	22 56.2		
	SKS	23 01 55		
	PS	23 05 58		
	e	23 13		
	SKS	23 16.8		
	L	23 25		
	F	1 06		
		Victoria		
238 July 5	P	2 41.2	220	
	P_2	2 41 49		
	S_2	2 42 15		
	F	2 46		
		Victoria		
241 July 8	e	18 12 33		
	L	18 32		
	F	19 05		
		Ottawa		
242 July 9	e_E	1 27 50		
	e_E	1 33 34		
	e_N	1 35 18		
	e_E	1 37 00		
	e	1 43 08		
	e_N	1 47.2		
	L	2 07		
	F	3 48		
		Victoria		
	P	1 05.5	13350	
	P	1 20 45		
	SKP	1 27.3		
	SKS	1 31 11		
	SKS	1 32 38		
	PS	1 35 38		
	PPS	1 36.8		
	SS	1 43		
	L	1 50		
	F	4 09		
		Saskatoon		
	e	1 32 42		
	L	1 52.4		
	F	3 21		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM July 9, 1946 to July 11, 1946 No. 41

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
242 July 9 (cont'd)	e	1 33 51		
	e	1 44.5		
	L	2 05.2		
	F	4 04		
		Ottawa		
243 July 9	E	13 13.5	14500	
	P'	13 32 24		
	PP	13 33 53		
	SKS	13 39 06		
	PS	13 43.8		
	SS	13 50.5		
	L	14 07		
	F	15 05		
		Victoria		
	E	13 13.7	9730	
	P	13 26 30		
	SKS	13 36 51		
	S	13 37 13		
	SS_N	13 43.0		
	L	13 50		
	L	15 00		
		Saskatoon		
	e	13 30.5		
	e	13 38.9		
	F	14 11		
		Seven Falls		
	E	13 13.5	14000	
	P'	13 32 30		
	PP	13 34 19		
	SKS	13 39 23		
	SKKS	13 41.1		
	PS	13 44.8		
	SS	13 52		
	L	14 05		
	F	15 34		
		Ottawa		
244 July 11	E	4 46.8	3330	USCGS gives ϕ = 17° N. λ = 94° W.
	P	4 52 59		
	e	4 53 30		
	PPP	4 53 58		
	S	4 58 04		Tacubaya gives ϕ = 18°12' N. λ = 95°36' W.
	SS_Z	4 59.5		
	L	5 01		
	F	6 11		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM July 11, 1946 to July 11, 1946 No. 42

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
244 July 11 (cont'd)	E	4 47.0	4020	
	P	4 54 09		
	e	4 54 37		
	S_N	4 59 58		
	SS_N	5 02.1		
	L	5 03		
	F	6 20		
		Saskatoon		
	E	4 46.8	3760	
	P	4 53 35		
	PPP	4 55 06		
	S	4 59 08		
	SS	5 01		
	L	5 03		
	F	6 00		
		Halifax		
	E	4 47.0	3790	
	P	4 53 48		
	PPP	4 55 10		
	S	4 59 22		
	SS	5 00 28		
	L	5 03		
	F	5 43		
		Seven Falls		
	E	4 46.9	3620	
	P	4 53 30		
	e	4 53 59		
	PPP	4 54 49		
	S	4 58 54		
	SS	5 01		
	L	5 02		
	F	6 26		
		Shawinigan Falls		
	E	4 46.8	3540	
	P	4 53 19		
	e	4 53 49		
	PPP	4 54 40		
	S	4 58 37		
	L	5 03		
	F	5 25		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, CANADA

FROM July 11, 1946 to July 14, 1946 No. 43

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
245 July 1	I	21 56.6	6120	
	P	22 06 05		
	PPZ	22 08 11		
	S	22 13 54		
	L	22 22		
	F	22 43		
		Seven Falls		
	H	21 56.6	6200	
	P	22 06 12		
	S	22 14 04		
	SSS	22 21		
	L	22 25		
	F	22 47		
		Ottawa		
246 July 12	I	23 29.3	4330	
	PZ	23 36 44		
	PPP	23 38 20		
	S	23 42 52		
	SS	23 46		
	L	23 50		
	F	0 14		
		Victoria		
	e	23 46.7		
	L	23 58		
	F	0 13		
		Seven Falls		
	H	23 29.3	4660	
	P	23 37 06		
	S	23 43 32		
	SS	23 47		
	L	23 50		
	F	0 15		
		Ottawa		
250 July 14	H	21 37.2	335	
	P	21 38 00.5		
	S	21 38 37.5		
	i	21 38 49.5		
	S_1	21 38 53		
	F	21 39.8		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, CANADA

FROM July 14, 1946 to July 18, 1946 No. 44

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
251 July 15	e_Z	18 40 04		
	e	18 48.5		
	L	18 52		
	F	19 05		
		Ottawa		
253 July 16	H	5 26.6	8120	
	P	5 38 06		
	PP_E	5 40.8		
	S	5 47 38		
	L	6 02		
	F	6 53		
		Victoria		
	e	5 50.2		
	L	6 18		
	F	6 53		
		Saskatoon		
	e	5 49 33		
	L	6 07		
	F	6 50		
		Seven Falls		
	e	5 47		
	L	6 00		
	F	7 11		
		Ottawa		
258 July 18	H	6 07.0	3980	USCGS gives
	P	6 14 02		ϕ = 50° N.
	PP_Z	6 15 22		λ = 129° W.
	S	6 19 48		
	SS	6 22 15		
	L	6 25		
	F	7 29		
		Victoria		
	H	6 06.9	545	
	P	6 08 07		
	S	6 09 05		
	L	6 10		
	F	7 17		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, CANADA

FROM July 18, 1946 to July 18, 1946 No. 45

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
258 July 18 (cont'd)	K	6 06.9	1800	
	P	6 10 31		
	S	6 13 31		
	L	6 14		
	F	7 20		
		Halifax		
	e	6 21 48		
	e	6 25 01		
	L	6 29		
	F	7 12		
		Seven Falls		
	K	6 06.9	4300	
	P	6 14 20		
	PPP	6 16 44		
	S	6 20 26		
	SS	6 22.5		
	L	6 26		
	F	7 25		
		Shawinigan Falls		
	e	6 14 14		
	L	6 22		
	F	6 55		
		Ottawa		
259 July 18	K	7 16.5	3980	USCGS gives ϕ = 50° N. λ = 129° W.
	P	7 23 32		
	S	7 29 18		
	L	7 34.5		
	F	9 28		
		Victoria		
	K	7 16.3	570	
	P	7 17 37		
	S	7 18 39		
	L	7 19		
	F	10 01		
		Saskatoon		
	K	7 16.5	1680	
	P	7 20 03		
	S	7 23 00		
	L	7 24		
	F	9 04		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, CANADA

FROM July 18, 1946 to July 23, 1946 No. 46

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Halifax		
259 July 18 (cont'd)	e	7 23		
	e	7 34.6		
	L	7 39		
	F	8 29		
		Seven Falls		
	I	7 16.5	4240	
	P	7 23 52		
	PP	7 25.3		
	S	7 29 54		
	L	7 35		
	F	10 05		
		Shawinigan Falls		
	e	7 23 44		
	L	7 34		
	F	8 22		
		Ottawa		
262 July 19	e	21 39.6		
	L	22 01		
	F	22 43		
		Victoria		
	e	21 35.6		
	L	21 43		
	F	23 02		
		Seven Falls		
	e	21 40		
	L	21 53		
	F	23 05		
		Ottawa		
266 July 23	eZ	17 47 12		
	I	18 .04		
	F	18 47		
		Victoria		
	e	17 37.5		
	I	17 54		
	F	18 36		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, CANADA

FROM July 23, 1946 to July 25, 1946 No. 47

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
267 July 24	e_Z	11 18 55		
	e	11 30		
	e_N	11 37		
	I	11 51		
	F	12 37		
		Ottawa		
268 July 25	E	16 42.4	6850	USCGS gives
	P	16 52 37		ϕ = 51° N.
	S	17 01 06		λ = 179° W.
	SS	17 06.0		
	SSS	17 07.6		
	L	17 11		
	F	18 51		
		Victoria		
	E	16 42.3	3750	
	P	16 49 05		
	S	16 54 37		
	L	16 57		
	F	18 46		
		Saskatoon		
	E	16 42.7	4560	
	P	16 50.4		
	S	16 56 49		
	SSS	17 00 08		
	L	17 04		
	F	18 00		
		Seven Falls		
	E	16 42.3	7010	
	P	16 52 42		
	S	17 01 20		
	SS	17 06 06		
	L	17 11		
	F	19 01		
		Shawinigan Falls		
	e	16 52 41		
	I	17 16		
	F	17 33		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, CANADA

FROM July 25, 1946 to July 27, 1946 No. 48

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
270 July 26	H	6 44.9	7100	USCGS gives
	P	6 55 25		ϕ = 21°6 S.
	S	7 04 08		λ = 70°0 W.
	SS_E	7 08.0		
	L	7 15		
	F	7 44		
		Victoria		
	H	6 44.7	9250	
	P_E	6 57 09		
	S	7 07 31		
	L	7 29		
	F	8 02		
		Saskatoon		
	H	6 45.0	8500	
	P	6 56 49		
	PP	7 00		
	S	7 06 38		
	PS	7 06 59		
	SS	7 14.7		
	L	7 22		
	F	8 00		
		Seven Falls		
	H	6 45.0	7200	
	P	6 55 37		
	S	7 04 25		
	L	7 12		
	F	8 18		
		Shawinigan Falls		
	H	6 44.9	7240	
	P	6 55 31		
	S	7 04 21		
	F	7 08		
		Ottawa		
275 July 27	H	15 58.9	150	
	P_2	15 59 19.5		
	S_2	15 59 36.5		
	i	15 59 40		
	F	16 00		
		Ottawa		
277 July 27	e_Z	22 01 18		
	L	22 47		
	F	23 12		

SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, CANADA.

FROM July 27, 1946 to July 31, 1946 No. 49

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
277 July 27 (cont'd)	e	22 05.7		
	L	22 23		
	F	22 59		
		Ottawa		
278 July 28	e_Z	8 08 24		
	L	8 21		
	F	8 43		
		Saskatoon		
	e	8 10.1		
	L	8 13.6		
	F	8 26		
		Seven Falls		
	e	8 17		
	L	8 22		
	F	8 44		
		Ottawa		
280 July 30	H	18 36.7	5600	
	P_Z	18 45 41		
	S	18 53		
	L	19 01		
	F	20 10		
		Seven Falls		
	e	18 53.4		
	L	18 57		
	F	20 09		
		Ottawa		
281 July 31	H	0 29.1	3800	
	P	0 35 56		
	S	0 41.5		
	SSS	0 44		
	L	0 47		
	F	1 10		

W. W. Dopsee.

EARTHQUAKE CORRELATION TABLE

Month July, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						U. S.	U. A.		
235	1	3 00+0 53r	2 57+0 52r	.....	3 16+0 14L	3 07+0 50r	3 10+0 16r	3 01+0 27r	A
236	1	22 56+2 11u	22 49+0 54u	.....	23 40+0 20I	22 56+2 10u	.....	.....	B
237	4	.....	10 20+0 30I	.....	.....	.....	.....	.....	..
238	5	.....	2 42+0 04v	.....	.....	.....	.....	.....	C
239	7	7 13+0 10L	6 59+0 12I	.....	.....	.....	.....	.....	..
240	7	7 53+0 01P*	.....	.....	.....	.....	.....	.....	..
241	8	18 54+0 30L	18 13+0 52u	.....	.....	18 50+0 38L	.....	.....	..
242	9	1 28+2 20u	1 21+2 48u	1 33+1 48u	2 12+0 33I	1 34+2 30u	.....	.....	D
243	9	13 32+1 33u	13 26+1 34u	13 30+0 41u	13 36+0 11P	13 34+2 00u	13 32+0 09P	.....	E
244	11	4 53+1 18r	4 54+1 26r	4 54+1 06r	4 54+0 49r	4 53+1 33r	4 53+0 36r	4 53+0 32r	F
245	12	22 06+0 37u	22 07+0 23u	.....	.....	22 14+0 33u	22 06+0 07P	22 06+0 10P	G
246	12	23 37+0 37r	23 47+0 26r	.....	.....	23 44+0 31r	23 37+0 02P	23 37+0 02P	H
247	13	.....	.....	.....	.....	2 29+0 06L	.....	.....	..
248	13	.....	.....	.....	.....	5 39+0 03L	.....	.....	..
249	13	6 42+0 10L	.....	.....	.....	6 42+0 05I	.....	.....	..
250	14	21 38+0 02v*	.....	.....	.....	.....	.....	.....	I
251	15	18 40+0 25u	.....	.....	.....	18 55+0 08L	.....	.....	..
252	15	.....	.....	.....	.....	23 01+0 17I	.....	.....	..
253	16	5 38+1 15u	5 50+1 03u	5 50+1 00u	.....	5 47+1 24u	.....	5 38+0 02P	J
254	17	.....	.....	.....	.....	1 54+0 15I	.....	.....	..
255	17	.....	.....	.....	.....	10 56+0 05L	.....	.....	..
256	18	.....	.....	.....	.....	0 16+0 08I	.....	.....	..
257	18	.....	.....	.....	.....	4 56+0 08I	.....	.....	..
258	18	6 14+1 15R	6 08+1 09V	6 11+1 09R	6 22+0 50r	6 14+1 11R	6 14+0 37R	6 14+0 41r	K
259	18	7 24+2 04R	7 18+2 43V	7 20+1 44μ	7 23+1 06r	7 24+2 41R	7 24+0 44R	7 24+0 58r	L
260	18	14 45+0 26I	14 34+0 16I	14 38+0 11I	14 49+0 09L	14 47+0 16L	14 47+0 06I	14 45+0 06I	..
261	18	.....	16 08+0 04L	16 14+0 06I	.....	.....	.....	.....	..
262	19	21 40+1 03u	21 36+1 26u	.....	.....	21 40+1 25u	.....	.....	..
263	22	19 53+0 01P*	.....	.....	.....	.....	.....	.....	..
264	23	6 52+0 03P*	.....	.....	.....	.....	.....	6 52+0 05P	..
265	23	.....	.....	.....	.....	10 52+0 07L	.....	.....	..
266	23	17 47+1 00u	17 38+0 58u	.....	.....	18 07+0 59I	.....	.....	..

EARTHQUAKE CORRELATION TABLE

Month July, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						N. S.	W. A.		
267	24	11 19+1 18u	11 23+0 54L	.....	.....	11 56+0 19L	.....	.....	..
268	25	16 53+1 58u	16 49+1 57r	16 50+1 10r	17 18+0 10L	16 53+2 08u	16 53+0 43u	16 53+0 40u	M
269	26	4 47+0 17L	4 25+0 36L	.....	.....	4 47+0 20L	.....	.....	..
270	26	6 55+0 49u	6 57+1 05u	6 57+1 03u	.....	7 04+1 14u	6 56+0 13u	6 56+0 12u	N
271	26	.....	.....	.....	.....	23 31+0 05L	.....	.....	..
272	27	.....	.....	.....	.....	1 05+0 13L	.....	.....	..
273	27	.....	.....	2 51+0 09L	.....	.....	.....	.....	..
274	27	.....	.....	6 12+0 15L	.....	6 15+0 18L	.....	.....	..
275	27	15 59+0 01v*	.....	.....	.....	.....	.....	.....	0
276	27	.....	.....	.....	.....	17 07+0 13L	.....	.....	..
277	27	22 01+1 11u	22 06+0 53u	22 39+0 09L	.....	22 42+0 34L	.....	.....	..
278	28	8 08+0 35r	8 10+0 22L	8 10+0 16r	.....	8 17+0 27r	8 20+0 07r	8 08+0 19r	..
279	30	.....	7 36+0 45L	7 39+0 23L	.....	.....	.....	.....	..
280	30	18 46+1 24u	18 39+1 34L	19 54+0 17L	.....	18 53+1 16u	.....	.....	P
281	31	0 36+0 34r	.....	.....	.....	0 42+0 23L	.....	0 36+0 07r	Q

CORRELATION OF EARTHQUAKES
July, 1946

N O T E S

A	:	Ottawa	Δ = 4960 km.	H = 2^h52^m3 U.T.
		Victoria	Δ = 2380 km.	H = 2 52.4 U.T.
B	:	Ottawa	Δ = 13400 km.	H = 22^h35^m6 U.T.
		Victoria	Δ = 9740 km.	H = 22 35.8 U.T.
		Seven Falls	Δ = 13000 km.	H = 22 36.3 U.T.
C	:	Victoria	Δ = 220 km.	H = 2^h41^m2 U.T.
D	:	Victoria	Δ = 13350 km.	H = 1^h05^m5 U.T.
E	:	Ottawa	Δ = 14500 km.	H = 13^h13^m5 U.T.
		Victoria	Δ = 9730 km.	H = 13 13.7 U.T.
		Seven Falls	Δ = 14000 km.	H = 13 13.5 U.T.
F	:	Ottawa	Δ = 3330 km.	H = 4^h46^m8 U.T.
		Victoria	Δ = 4020 km.	H = 4 47.0 U.T.
		Saskatoon	Δ = 3760 km.	H = 4 46.8 U.T.
		Halifax	Δ = 3790 km.	H = 4 47.0 U.T.
		Seven Falls	Δ = 3620 km.	H = 4 46.9 U.T.
		Shawinigan Falls	Δ = 3540 km.	H = 4 46.8 U.T.
G	;	Ottawa	Δ = 6120 km.	H = 21^h56^m6 U.T.
		Seven Falls	Δ = 6200 km.	H = 21 56.6 U.T.
H	:	Seven Falls	Δ = 4660 km.	H = 23^h29^m3 U.T.
		Ottawa	Δ = 4330 km.	H = 23 29.3 U.T.
I	:	Ottawa	Δ = 335 km.	H = 21^h37^m2 U.T.
J	:	Ottawa	Δ = 8120 km.	H = 5^h26^m6 U.T.
K	:	Ottawa	Δ = 3980 km.	H = 6^h07^m0 U.T.
		Victoria	Δ = 545 km.	H = 6 06.9 U.T.
		Saskatoon	Δ = 1800 km.	H = 6 06.9 U.T.
		Seven Falls	Δ = 4300 km.	H = 6 06.9 U.T.
L	:	Ottawa	Δ = 3980 km.	H = 7^h16^m5 U.T.
		Victoria	Δ = 570 km.	H = 7 16.3 U.T.
		Saskatoon	Δ = 1680 km.	H = 7 16.5 U.T.
		Seven Falls	Δ = 4240 km.	H = 7 16.5 U.T.
M	:	Ottawa	Δ = 6850 km.	H = 16^h42^m4 U.T.
		Victoria	Δ = 3750 km.	H = 16 42.3 U.T.
		Saskatoon	Δ = 4560 km.	H = 16 42.7 U.T.
		Seven Falls	Δ = 7010 km.	H = 16 42.3 U.T.
N	:	Ottawa	Δ = 7100 km.	H = 6^h44^m9 U.T.
		Victoria	Δ = 9250 km.	H = 6 44.7 U.T.
		Saskatoon	Δ = 8500 km.	H = 6 45.0 U.T.
		Seven Falls	Δ = 7200 km.	H = 6 45.0 U.T.
		Shawinigan Falls	Δ = 7240 km.	H = 6 44.9 U.T.
O	:	Ottawa	Δ = 150 km.	H = 15^h58^m9 U.T.
P	:	Ottawa	Δ = 5600 km.	H = 18^h36^m7 U.T.
Q	:	Ottawa	Δ = 3808 km.	H = 0^h29^m1 U.T.

Dominion Observatory,
Ottawa, Canada,
Dec. 3, 1946.

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

STATIONS	BULLETINS	RECEIVED
	August, 1946	
Saint Loui and Auxiliary Stations	Supplements to July, August, September, 1945; preliminaries for November 26,27. December 8, 1945	August 12
Perth	April, May, June, 1946	" 28
Sydney	March, April 1945	" 28
Santa Clara	July, 1946	" 14
Rome	June, 1946	" 16
Belgrade	January to December, 1939	" 20
Pittsburg	January to December, 1944	" 22
Zurich	March to June, 1946	" 29
Moscow	January to May, 1946	" 29
	September, 1946	
De Bilt	Preliminaries for May, June, July, 1946	Sept. 3
Bureau Central	Supplements to April and May, 1946	" 5
Bureau Central	March, June, 1946; supplement to January, 1946	" 5
Paris	March, 1946	" 5
Saint Louis and Auxiliary Stations	Supplements to November, December, 1945; preliminaries for December 9, 20, 23, 25, 27, 28, 1946, and June 23, 26, 1946	" 5
Paris	March, April, 1943	" 5
Brisbane	April, May, June, 1946	" 5
Ksara	February to June, 1946	" 5
Berkely and Auxiliary Stations	Preliminary for January to June/46	" 5
Harvard	January to December, 1940,41,42	" 5
Rome	July, 1946	" 7
Firenz	June, 1946	" 12
Trieste	June, 1946	" 12
San Fernando	November, 1945	" 12
Brisbane	July, 1946	" 18
Santa Clara	August, 1946	" 18
Pasadena	Preliminary for June - August, 1946	" 19
Paris	July, August, September, 1943	" 23
Apia	January to June, 1946	" 23
Bureau Central	April, July, 1946; supplements to January, February, March, 1946	" 23
Wellington	June, 1946	" 24

STATIONS	BULLETINS	RECEIVED
	October, 1946	
La Paz	Year 1943	October 4
Bogota	January to April, 1946	" 4
Zurich	July, 1946	" 4
United States Coast and Geodetic Survey	January, February, March, 1944	" 4
Wellington	July, 1946	" 15
Paris	September to December, 1942, October to December, 1943, April, 1946	" 19
Bureau Central	May, 1946	" 19
Moscow	June, July, 1946	" 19
Rome	August, 1946	" 19
Harvard	Years 1943, 1944	" 21
Saint Louis and Auxiliary Stations	Preliminaries, Nos. 21, 25-28, 30-33	" 21
Santa Clara	September, 1946	" 21
Weston	Preliminaries for June-August, 1946	" 24
Brisbane	August, 1946	" 28
Trieste	May, July, 1946	" 31
Firenze	May, July, 1946	" 31

DOMINION OBSERVATORY,

OTTAWA - CANADA.

SEISMOLOGICAL SERVICE OF CANADA

SEISMOLOGICAL BULLETIN

August
1946

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DOMINION OBSERVATORY

OTTAWA - CANADA

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SEISMOLOGICAL SERVICE OF CA

DOMINION OBSERVATORY, OTTAWA

FROM August 1, 1946 to August 2, 1946 No. 50

NO. AND DATE	PHASE	TIME	DISTANCE	
		h m s	km.	
		Ottawa		
284 Aug. 2	I	19 19.0	7800	USCGS gives δ = 27° S. λ = 70° W.
	P	19 30 09		
	S	19 39 24		
	SS	19 43.8		
	SSS	19 47.3		
	L	19 54		
	F	22 12		
		Victoria		
	I	19 19.1	9420	
	P	19 31 36		
	S	19 42 06		
	SS	19 48.3		
	L	19 58		
	F	22 13		
		Saskatoon		
	I	19 18.9	9200	
	P	19 31 18		
	S	19 41 38		
	SS	19 46.7		
	SSS	19 50.8		
	L	19 54		
	F	20 37		
		Halifax		
	e	19 39 18		
	L	19 48		
	F	20 02		
		Seven Falls		
	I	19 19.2	7820	
	P	19 30 23		
	S	19 39 39		
	PS	19 40 19		
	SS	19 44 23		
	SSS	19 47		
	L	19 54		
	F	22 13		
		Shawinigan Falls		
	I	19 19.0	7880	
	P	19 30 17		
	PP	19 32.8		
	S	19 39 36		
	PS	19 40 02		
	L	19 57		
	F	20 05		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 2, 1946 to August 4, 1946 No. 51

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
287 Aug. 4	H	17 51.3	2850	USCGS gives
	eP	17 56 48		ϕ = 19°.3 N.
	i	17 56 51		λ = 69°.0 W.
	PP	17 57 25		
	S	18 01 20		
	i	18 01 36		
	iZ	18 01 53		
	L	18 04.2		
	F	23 27		
		Victoria		
	H	17 51.3	5680	
	P	18 00 18		
	S	18 07 41		
	L	18 19		
	F	23 33		
		Saskatoon		
	H	17 51.3	4750	
	P	17 59 15		
	S_{NE}	18 05 46		
	SSS_{NE}	18 09		
	L	18 13		
	F	23 00		
		Halifax		
	H	17 51.0	3090	
	P	17 56 49		
	PP	17 57 13		
	eS	18 01 29		
	S	18 01 35		
	SS	18 03 08		
	L	18 06		
	F	20 00		
		Seven Falls		
	H	17 51.3	2960	
	P	17 57 00		
	PPP	17 57 51		
	S	18 01 40		
	Si	18 02 32		
	L	18 04.5		
	F	23 27		
		Shawinigan Falls		
	H	17 51.3	2950	
	P	17 56 56		
	S	18 01 36		
	SS	18 02 51		
	L	18 04.3		
	F	20 32		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 4, 1946 to August 5, 1946 No. 52

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Halifax		
290 Aug. 4	H	19 53.0	2735	Aftershock of No. 287
	P	19 59 19		
	S	20 03 43		
	I	20 06		
	F	20 59		
		Saskatoon		
291 Aug. 4	e	21 08.0		Aftershock of No. 287
	L	21 13		
	F	23 00		
		Halifax		
	H	20 50.4	2690	
	P	20 55.5		
	S	20 59 50		
	L	21 04		
	F	21 09		
		Seven Falls		
	e	20 59.4		
	L	21 06		
	F	21 20		
		Shawinigan Falls		
	e	20 59 16		
	L	21 10		
	F	21 20		
		Ottawa		
295 Aug. 4	e	23 58 42		Aftershock of No. 287
	L	0 02		
	F	0 30		
		Ottawa		
298 Aug. 5	e	2 47 40		Aftershock of No. 287
	L	2 53		
	F	3 11		
		Ottawa		
300 Aug. 5	e	3 43 24		Aftershock of No. 287
	L	3 48		
	F	4 24		
		Ottawa		
302 Aug. 5	e	5 47 15		Aftershock of No. 287
	L	5 51		
	F	6 16		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 5, 1946 to August 6, 1946 No. 53

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottaw		
303 Aug. 5	e	9 58 21		Aftershock of No. 287
	I	10 03		
	F	10 20		
		Ottawa		
304 Aug. 5	e	12 13 31		Aftershock of No. 287
	L	12 19		
	F	12 34		
		Ottawa		
305 Aug. 5	H	12 33.5	2810	Aftershock of No. 287
	P_Z	12 39 00		
	S	12 43.5		
	L	12 45		
	F	13 56		
		Seven Falls		
	e	12 43.8		
	L	12 46		
	F	14 28		
		Shawinigan Falls		
	e	12 39.1		
	L	12 52		
	F	12 56		
		Ottawa		
309 Aug. 5	H	20 09.0	2810	Aftershock of No. 287
	P	20 14 30		
	S	20 19		
	L	20 23		
	F	21 02		
		Victoria		
310 Aug. 6	e	3 10.5		
	L	3 23		
	F	4 26		
		Ottawa		
311 Aug. 6	H	5 57.5	2810	Aftershock of No. 287
	P	6 03 00		
	S	6 07 30		
	L	6 10		
	F	7 15		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 6, 1946 to August 7, 1946 No. 54

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
311 Aug. 6 (cont'd)	eNE	6 15 21		
	L	6 19		
	F	6 59		
		Ottawa		
312 Aug. 6	I	16 15.9	2880	Aftershock of No. 287
	P	16 21 25		
	S	16 26.0		
	L	16 29		
	F	17 07		
		Ottawa		
315 Aug. 7	I	18 26.6	2850	Aftershock of No. 287
	P	18 32 08		
	S	18 36 40		
	L	18 40		
	F	19 31		
		Halifax		
	e	18 36.3		
	L	18 40		
	F	18 50		
		Seven Falls		
	e	18 32.8		
	L	18 39.0		
	F	22 24		
		Shawinigan Falls		
	e	18 32 12		
	L	18 44		
	F	18 48		
		Ottawa		
316 Aug. 7	I	19 21.7	2800	Aftershock of No. 287
	P	19 27 06		
	S	19 31 34		
	L	19 35		
	F	22 10		
		Victoria		
	e	19 43.2		
	L	19 45		
	F	21 32		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 7, 1946 to August 8, 1946 No. 55

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
316 Aug. 7 (cont'd)	e	19 39 22		
	e	19 45 13		
	L	19 48		
	F	20 50		
		Halifax		
	H	19 21.9	2650	
	P	19 27.1		
	S	19 31.4		
	L	19 34		
	F	20 20		
		Seven Falls		
	e	19 32 43		
	L	19 36		
	F	19 47		
		Ottawa		
322 Aug. 7	e	20 13 14		Aftershock of No. 287
	L	21 37		
	F	22 15		
		Ottawa		
324 Aug. 8	e	1 52 08		Aftershock of No. 287
	L	1 57		
	F	2 14		
		Ottawa		
325 Aug. 8	H	13 28.5	2880	
	P	13 34 07		
	PP	13 34 48		
	SE	13 38 42		
	iN	13 38 54		
	i	13 39 08		
	SS	13 39 52		
	L	13 41 00		
	F	17 31		
		Victoria		
	H	13 28.3	5780	
	P	13 37 22		
	S	13 44 50		
	SSS	13 49.8		
	L	13 52		
	F	16 21		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 8, 1946 to August 8, 1946 No. 56

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
325 Aug. 8 (cont'd)	E	13 28.7	4680	
	P	13 36 35		
	PPP	13 39 02		
	S	13 43 02		
	SSS	13 46 27		
	L	13 48		
	F	16 30		
		Halifax		
	E	13 28.4	2950	
	P	13 34 03		
	S	13 38 43		
	SS	13 40 25		
	L	13 42		
	F	16 27		
		Seven Falls		
	P	13 34 19		
	PP	13 34 53		
	SS	13 40 21		
	L	13 43		
	F	17 28		
		Shawinigan Falls		
	E	13 28.4	3050	
	P	13 34 11		
	PP	13 34 49		
	PPP	13 35 08		
	S	13 38 58		
	SS	13 40 20		
	L	13 42		
	F	15 27		
		Ottawa		
330 Aug. 8	E	17 24.2	2870	Aftershock of No. 325
	P	17 29 44		
	S	17 34 18		
	L	17 36		
	F	19 07		
		Saskatoon		
	e	17 41.8		
	L	17 46		
	F	18 32		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 8, 1946 to August 9, 1946 No. 57

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Halifax		
330 Aug. 8 (cont'd)	P	17 23.9	2950	
	P	17 29 35		
	S	17 34 15		
	L	17 36		
	F	17 55		
		Seven Falls		
	e	17 30.6		
	L	17 36		
	F	19 12		
		Shawinigan Falls		
	e	17 29 51		
	L	17 41		
	F	17 48		
		Ottawa		
335 Aug. 9	P	8 25.6	2970	Aftershock of No. 325
	P	8 31 19		
	S	8 36 00		
	I	8 39.5		
	F	9 37		
		Saskatoon		
	e[N/E]	8 35.8		
	e	8 43.9		
	L	8 48		
	F	9 29		
		Ottawa		
337 Aug. 9	e	10 15 15		Aftershock of No. 325
	L	10 21		
	F	10 39		
		Ottawa		
339 Aug. 9	e	16 39 33		Aftershock of No. 325
	L	16 46		
	f	17 07		
		Ottawa		
341 Aug. 9	P	20 06.9	2860	Aftershock of No. 325
	P	20 12 23		
	S	20 16 56		
	I	20 19		
	F	21 46		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 9, 1946 to August 10, 1946 No. 58

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
341 Aug. 9 (cont'd)	P	20 06.8	4740	
	P	20 14 52		
	S	20 21 22		
	L	20 24		
	F	21 27		
		Halifax		
	P	20 06.8	2850	
	P	20 12 19		
	S	20 16 51		
	L	20 20		
	F	20 49		
		Seven Falls		
	e	20 13 19		
	e	20 17.4		
	L	20 20		
	F	21 45		
		Shawinigan Falls		
	e	20 12.5		
	L	20 23		
	F	20 32		
		Ottawa		
346 Aug. 10	P	2 10.6	2870	Aftershock of No. 325
	P	2 16 06		
	S	2 20 40		
	L	2 23		
	F	3 22		
		Saskatoon		
	e	2 20.6		
	L	2 32		
	F	3 09		
		Halifax		
	e	2 16		
	L	2 21		
	F	2 35		
		Seven Falls		
	e	2 16.3		
	L	2 22		
	F	3 26		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 10, 1946 to August 10, 1946 No. 59

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
347 Aug. 10	H	6 58.6	2970	Aftershock of No. 325
	P	7 04 19		
	S	7 09.0		
	L	7 12		
	F	7 31		
		Ottawa		
348 Aug. 10	H	9 00.3	2900	Aftershock of No. 325
	P	9 05 56		
	S	9 10 32		
	L	9 13		
	F	10 07		
		Saskatoon		
	eN/eNE	9 08.6		
	L	9 17		
	F	9 22		
		10 05		
		Seven Falls		
	e	9 06 22		
	L	9 12		
	F	10 11		
		Shawinigan Falls		
	c	9 06 04		
	L	9 18		
	F	9 24		
		Ottawa		
350 Aug. 10	H	11 45.9	2850	Aftershock of No. 325
	P	11 51 28		
	S	11 56 00		
	L	11 59		
	F	13 03		
		Saskatoon		
	e	12 03.8		
	L	12 10		
	F	12 58		
		Halifax		
	eN	11 51.5		
	L	11 56		
	F	12 11		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 10, 1946 to August 11, 1946 No. 60

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
350 Aug. 10 (cont'd)	e	11 51.6		
	L	11 56		
	F	13 11		
		Shawinigan Falls		
	e	11 51 34		
	L	12 04		
	F	12 08		
		Ottawa		
354 Aug. 10	e	14 29 21		Aftershock of No. 325
	L	14 33		
	F	14 50		
		Ottawa		
355 Aug. 11	P	1 54.4	13800	USCGS gives ϕ = 8° S. λ = 155° E.
	P'Z	2 13 21		
	PP	2 14.9		
	SKS	2 20 20		
	PS	2 24.8		
	SS	2 32		
	SSS	2 36.6		
	L	2 45		
	F	4 44		
		Victoria		
	e	(2 08)		
	e	(2 19)		
	L	(2 29)		
	F	(4 55)		
		Saskatoon		
	P	1 54.1	11650	
	PP	2 12.2		
	SKS	2 18 56		
	S	2 21.3		
	PS	2 22.5		
	SS	2 27.2		
	SSS	2 30.8		
	L	2 37		
	F	4 43		
		Halifax		
	e	2 17.0		
	L	2 51		
	F	3 57		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 11, 1946 to August 16, 1946 No. 61

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
355 Aug. 11 (cont'd)	e	2 11.4		
	e	2 15 13		
	L	2 43		
	F	4 46		
		Ottawa		
361 Aug. 12	e_Z	2 44 58		Aftershock of No. 325
	L	2 49		
	F	3 11		
		Ottawa		
363 Aug. 12	H	9 32.6	2610	
	P	9 37 45		
	S	9 42 00		
	L	9 45		
	F	10 24		
		Ottawa		
368 Aug. 15	e_E	15 44 27		USCGS gives ϕ = 22° S. λ = 170° E.
	e	15 50 03		
	e_E	15 54.5		
	e	16 02		
	e_E	16 06		
	L	16 22		
	F	18 00		
		Saskatoon		
	e	15 51 31		
	L	16 12		
	F	17 10		
		Seven Falls		
	e	15 45.0		
	e	16 02.5		
	L	16 10		
	F	18 10		
		Ottawa		
370 Aug. 16	H	17 15.4	3800	
	P	17 22 11		
	PP_H	17 23 20		
	S	17 27 46		
	L	17 32.4		
	F	18 19		

SEISMOLOGICAL SERVICE OF CAN...

DOMINION OBSERVATORY, OTTAWA

FROM August 16, 1946 to August 21, 1946 No. 62

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
374 Aug. 18	eZ	17 15 01		
	L	17 23		
	F	17 53		
		Ottawa		
375 Aug. 19	eZ	4 08 45		
	L	4 13		
	F	4 48		
		Ottawa		
376 Aug. 19	eZ	5 46 34		
	e	5 51.0		
	L	5 54		
	F	6 40		
		Ottawa		
377 Aug. 20	H	3 27.1	3800	
	P_Z	3 33 56		
	PPP_N	3 35.0		
	S_N	3 39.5		
	L	3 45		
	F	4 10		
		Ottawa		
378 Aug. 20	H	12 49.5	2870	Aftershock of No. 325
	P_Z	12 55 01		
	S	12 59 35		
	L	13 02		
	F	13 12		
		Seven Falls		
	e	12 56 20		
	L	13 00		
	F	13 20		
		Ottawa		
384 Aug. 21	e_N	18 18 51		
	e_E	18 19 48		
	e_E	18 25 28		
	e_N	18 27 33		
	e_N	18 28 16		
	e_E	18 29 25		
	L	18 53		
	F	19 23		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 21, 1946 to August 21, 1946 No. 63

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
384 Aug. 21 (cont'd)	H	18 00.5	9300	
	P	18 12 55		
	S	18 23 19		
	SS	18 29.3		
	L	18 40		
	F	19 25		
		Saskatoon		
	e	18 17 45		
	e	18 24 17		
	L	18 45		
	F	19 20		
		Seven Falls		
	e	18 20.2		
	e	18 25 40		
	e	18 29 48		
	L	18 36		
	F	19 24		
		Ottawa		
385 Aug. 21	H	19 17.8	2880	USCGS gives: Aftershock of San Dominica quake.
	P	19 23 21		
	PPP	19 24 10		
	S	19 27 56		
	i	19 28 12		
	SS	19 29 12		
	L	19 30 06		
	F	21 32		
		Victoria		
	H	19 18.3	5510	
	P	19 27 05		
	S	19 34 18		
	L	19 43		
	F	21 37		
		Saskatoon		
	H	19 18.1	4580	
	P	19 25 55		
	PPP_{NW}	19 27 40		
	S	19 32 19		
	SSS	19 35 31		
	L	19 39		
	F	21 22		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM August 21, 1946 to August 24, 1946 No. 64

No. and Date	Phase	Time	Distance	Remarks
		h m s	km.	
		Halifax		
385 Aug. 21	H	19 17.9	2780	
	P	19 23 16		
	S	19 27 43		
	SS	19 29		
	F	20 30		
		Seven Falls		
	H	19 18.1	2890	
	P	19 23 40		
	S	19 28 15		
	SS	19 29 52		
	L	19 31		
	F	21 39		
		Shawinigan Falls		
	H	19 18.0	2810	
	P	19 23 28		
	S	19 27 58		
	L	19 31.6		
	F	20 15		
		Ottawa		
387 Aug. 21	H	21 52.6	2800	Aftershock of No. 385
	P_Z	21 58 02		
	S	22 02.5		
	L	22 06		
	F	22 27		
		Ottawa		
389 Aug. 22	H	1 45.3	2850	Aftershock of No. 385
	P	1 50 46		
	S	1 55.3		
	L	1 59		
	F	2 28		
		Ottawa		
390 Aug. 22	H	15 16.8	145	
	P_{2Z}	15 17 12		
	S_{2Z}	15 17 28.5		
	e_Z	15 17 38.5		
	F^Z	15 18		
		Ottawa		
392 Aug. 24	H	2 42.0	3960	
	P	2 49 00		
	PPP	2 50 20		
	S	2 54 45		
	L	2 59		
	F	3 38		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA.

FROM August 24, 1946 to August 31, 1946 No. 65

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
393 Aug. 24	E	14 18.4	2860	
	P	14 23 57		
	S	14 28 30		
	I	14 31		
	F	15 50		
		Seven Falls		
	e	14 29 36		
	L	14 34		
	F	14 40		
		Ottawa		
396 Aug. 28	E	9 10.2	105	Reported as felt at Pembroke, Ont.
	P_{1Z}	9 10 32		
	i_Z	9 10 34.5		
	S_{1Z}	9 10 44		
	i_Z	9 10 48		
	F	9 11.6		
		Ottawa		
399 Aug. 28	E	22 28.4	7035	USCGS gives ϕ = 21° S. λ = 70° W.
	P	22 38 49		
	S	22 47 28		
	e_E	22 51.0		
	L	22 59		
	F	23 30		
		Saskatoon		
	e	22 49 38		
	i_{NE}	22 49 54		
	F	23 15		
		Seven Falls		
	E	22 28.6	7050	
	P	22 38 59		
	S	22 47 39		
	L	22 56		
	F	23 32		
		Shawinigan Falls		
	E	22 28.4	7120	
	P	22 38 54		
	S	22 47 38		
	F	22 54		

W. W. Doxsee.

EARTHQUAKE CORRELATION TABLE

August, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls M. S.	Seven Falls V. A.	Shawinigan	**
282	1	21 06+0 24L	21 22+0 24L	.....	.....	21 07+0 18L	.....	.....	..
283	2	2 03+0 33I	1 47+1 05L	1 54+0 52L	.....	2 04+0 39L	.....	.....	..
284	2	19 30+2 42U	19 32+2 41U	19 31+1 06U	19 39+0 23U	19 30+2 43U	19 30+0 11U	19 30+0 35U	A
285	3	.....	13 25+0 42I	.....	.....	.....	.....	.....	..
286	4	15 43+0 01P*	.....	.....	.....	15 54+0 13I	.....	.....	..
287	4	17 57+5 30R	18 00+5 33U	17 59+5 01R	17 57+2 03R	17 57+5 30R	17 57+2 53R	17 57+2 35P	B
288	4	18 39+0 05P*	.....	.....	.....	.....	.....	.....	..
289	4	18 45+0 02P*	.....	.....	.....	.....	.....	.....	..
290	4	.....	.....	.....	19 59+1 00r	.....	.....	.....	C
291	4	20 59+0 05L	.....	21 08+1 52r	20 55+0 14r	.....	20 59+0 21r	20 59+0 21r	D
292	4	21 04+0 07P*	.....	.....	.....	.....	21 05+0 05P	.....	..
293	4	21 21+0 05P*	.....	.....	.....	.....	21 21+0 04P	21 21+0 04P	..
294	4	21 55+0 08P*	.....	.....	.....	.....	22 01+0 02P	21 55+0 03P	..
295	4	23 59+0 31r	.....	0 16+0 14L	.....	23 58+1 40L	.....	.....	..
296	5	0 31+0 01P*	.....	.....	.....	.....	.....	.....	..
297	5	1 03+0 17L	0 18+1 21L	.....	.....	.....	.....	.....	..
298	5	2 48+0 23r	3 09+0 20I	.....	.....	2 53+0 23L	2 49+0 05P	2 48+0 02P	..
299	5	3 25+0 02P*	.....	.....	.....	3 32+0 58L	.....	.....	..
300	5	3 43+0 41r	3 59+0 36L	3 57+0 22I	.....	.....	3 49+0 04L	3 44+0 04P	..
301	5	3 48+0 04P*	.....	.....	.....	.....	.....	.....	..
302	5	5 47+0 39r	6 08+0 18L	6 04+0 11L	.....	5 52+0 25L	.....	5 47+0 02P	..
303	5	9 58+0 22r	10 19+0 13L	10 15+0 08L	.....	10 05+0 12L	.....	9 58+0 02P	..
304	5	12 14+0 20r	.....	.....	.....	12 19+0 13L	.....	.....	..
305	5	12 39+1 17r	12 56+0 54L	12 51+0 37L	12 44+0 13L	12 44+1 44r	12 44+0 03P	12 39+0 17r	E
306	5	14 17+0 17L	14 30+0 12L	.....	.....	.....	.....	.....	..
307	5	.....	.....	.....	.....	15 20+0 10L	.....	.....	..

EARTHQUAKE CORRELATION TABLE

August, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	M. A.		
308	5	.....	18 43+0 11L	.....	.....	17 47+0 56L	.....	.....	..
309	5	20 14+0 48r	20 35+0 19L	20 33+0 14I	.....	20 19+0 40I	20 19+0 03L	20 14+0 10P	F
310	6	3 39+0 53L	3 10+1 16u	3 34+0 32I	.....	3 14+1 59L	.....	.....	..
311	6	6 03+1 12r	6 16+1 09L	6 15+0 44r	.....	6 07+1 14I	6 08+0 03L	6 03+0 10P	G
312	6	16 21+0 46r	16 43+0 03L	.....	.....	16 26+0 59L	.....	16 21+0 10P	H
313	7	5 46+0 14L	.....	.....	.....	.....	.....	.....	..
314	7	7 47+0 01P*	.....	.....	.....	.....	.....	.....	..
315	7	18 32+0 59r	18 42+0 59L	18 44+0 33L	18 36+0 14r	18 37+3 47r	18 33+0 09r	18 32+0 16r	I
316	7	19 27+2 43r	19 43+1 49u	19 39+1 11r	19 27+0 53r	.....	19 33+0 15r	19 27+0 03P	J
317	7	.....	.....	.....	.....	.....	.....	19 33+0 03P	..
318	7	19 42+0 03P*	.....	.....	.....	.....	19 42+0 03P	19 42+0 03P	..
319	7	.....	.....	.....	.....	.....	19 50+0 02P	19 50+0 06P	..
320	7	19 54+0 03P*	.....	.....	.....	.....	.....	.....	..
321	7	19 59+0 02P*	.....	.....	.....	.....	20 00+0 02P	10 59+0 02P	..
322	7	20 13+2 02r	21 52+0 27L	.....	.....	.....	.....	.....	..
323	7	.....	23 47+0 17L	.....	.....	23 42+0 17L	.....	.....	..
324	8	1 52+0 22r	2 13+0 13L	.....	.....	1 58+0 19L	1 58+0 02I	.....	..
325	8	13 34+3 57r	13 37+2 44r	13 37+2 55r	13 34+2 53r	13 34+3 54r	13 34+2 01r	13 34+1 53r	E
326	8	14 34+0 04P*	.....	.....	.....	.....	.....	14 34+0 10P	..
327	8	14 39+0 04P*	.....	.....	.....	.....	14 40+0 04P	.....	..
328	8	15 48+0 02P*	.....	.....	.....	.....	15 48+0 07P	.....	..
329	8	15 53+0 02P*	.....	.....	.....	.....	.....	.....	..
330	8	17 30+1 37r	17 30+1 20I	17 42+0 50r	17 30+0 25r	17 31+1 41r	17 31+0 20r	17 30+0 18r	I
331	8	17 35+0 03P*	.....	.....	.....	.....	.....	.....	..
332	8	.....	.....	.....	.....	22 58+0 06L	.....	.....	..
333	9	.....	.....	.....	.....	0 11+0 24L	.....	.....	..

EARTHQUAKE CORRELATION TABLE

August, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						N. S.	V. I.		
334	9	.....	0 57+0 07L	.....	.....	0 56+0 11I	.....	.....	..
335	9	8 31+1 06r	8 34+0 51I	8 36+0 54r	.....	8 33+1 03I	8 32+0 04P	8 31+0 04P	M
336	9	8 36+0 04P*	.....	.....	.....	.....	8 37+0 03P	.....	..
337	9	10 15+0 24r	10 23+0 17L	.....	.....	10 23+0 11I	.....	.....	..
338	9	.....	13 15+0 07L	.....	.....	13 16+0 08I	.....	.....	..
339	9	16 40+0 27r	.....	.....	.....	16 45+0 16I	.....	.....	..
340	9	.....	.....	.....	.....	19 08+0 06I	.....	.....	..
341	9	20 12+1 34r	.....	20 15+1 12r	20 12+0 37r	20 17+1 28r	20 13+0 21r	20 12+0 20r	M
342	9	20 18+0 04P	.....	.....	.....	.....	.....	.....	..
343	9	20 59+0 08P	.....	.....	.....	.....	.....	20 59+0 03P	..
344	9	.....	.....	.....	.....	23 01+0 15I	.....	.....	..
345	10	.....	.....	.....	.....	1 29+0 07I	.....	.....	..
346	10	2 16+1 06r	.....	2 21+0 48r	2 16+0 19r	2 16+1 10r	2 16+0 20r	.....	O
347	10	7 04+0 27r	.....	.....	.....	6 56+0 29I	.....	.....	P
348	10	9 06+1 01r	.....	9 09+0 56r	.....	9 07+1 03r	9 06+0 20r	9 06+0 18r	C
349	10	9 11+0 03P*	.....	.....	.....	.....	.....	.....	..
350	10	11 51+1 12r	.....	12 04+0 54r	11 51+0 20r	11 56+1 15I	11 52+0 20r	11 52+0 16r	R
351	10	11 57+0 03P*	.....	.....	.....	.....	.....	.....	..
352	10	.....	.....	.....	.....	14 21+0 23I	.....	.....	..
353	10	14 24+0 03P*	.....	.....	.....	.....	.....	.....	..
354	10	14 29+0 21r	.....	.....	.....	.....	14 30+0 02P	.....	..
355	11	2 13+2 31I	2 08+2.47u	2 12+2 31u	2 17+1.40u	.2 12 [illegible] 35P	.....	.....	S
356	11	3 47+0 03P*	.....	.....	.....	.....	.....	.....	..
357	11	3 52+0 02P*	.....	.....	.....	.....	.....	.....	..
358	11	.....	.....	.....	.....	10 11+0 05I	.....	.....	..

EARTHQUAKE CORRELATION TABLE

August, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						N. S.	V. A.		
359	11	.....	13 38+0 22L	.....	.....	13 24+0 27I	.....	.....	..
360	11	.....	.....	.....	.....	17 01+0 06L	.....	.....	..
361	12	2 45+0 26r	.....	3 01+0 10I	.....	2 52+0 15I	.....	.....	..
362	12	.....	.....	.....	.....	7 59+0 26I	.....	.....	..
363	12	9 38+0 46r	.....	9 54+0 13I	.....	9 43+0 34I	.....	.....	T
364	13	.....	.....	.....	.....	8 40+0 16I	.....	.....	..
365	13	.....	.....	.....	.....	23 43+0 15I	.....	.....	..
366	14	.....	.....	.....	.....	1 08+0 20I	.....	.....	..
367	14	.....	.....	.....	.....	10 28+0 10I	.....	.....	..
368	15	15 44+2 16u	15 50+1 27L	15 52+1 19u	16 37+0 27L	15 45+2 25u	.....	.....	..
369	15	20 13+0 29I	.....	.....	.....	20 09+0 38L	.....	.....	..
370	16	17 22+0 57r	17 34+0 41L	.....	.....	17 24+0 53I	.....	.....	U
371	17	4 50+0 02P*	.....	.....	.....	4 59+0 12I	.....	.....	..
372	17	.....	.....	.....	.....	10 22+0 19L	.....	.....	..
373	17	11 26+0 06P*	11 47+0 13L	.....	.....	11 30+0 17I	.....	.....	..
374	18	17 15+0 38r	.....	.....	.....	17 22+0 15L	.....	.....	..
375	19	4 09+0 39r	4 31+0 10L	.....	.....	4 16+0 09L	.....	.....	..
376	19	5 47+0 53r	6 06+0 28L	.....	.....	5 52+0 45I	5 53+0 02I	.....	..
377	20	3 34+0 36r	3 56+0 20L	.....	.....	3 43+0 26I	.....	.....	V
378	20	12 55+0 17r	13 15+0 21L	13 11+0 11I	.....	13 00+0 20L	12 56+0 07P	.....	V
379	20	.....	.....	.....	.....	17 05+0 04I	.....	.....	..
380	20	.....	.....	.....	.....	23 15+0 29I	.....	.....	..
381	21	.....	.....	.....	.....	4 51+0 20I	.....	.....	..
382	21	.....	.....	.....	.....	7 03+0 05I	.....	.....	..
383	21	.....	.....	.....	.....	14 46+0 12L	.....	.....	..
384	21	18 19+1 04u	18 13+1 12u	18 18+1 02u	.....	18 26+0 58u	.....	.....	X

EARTHQUAKE CORRELATION TABLE
August, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	V. A.		
385	21	19 23+2 09R	19 27+2 10U	19 26+1 56R	19 23+1 07R	19 24+2 15R	19 24+0 48R	19 23+0 58R	Y
386	21	.....	.....	.....	.....	.....	19 46+0 03P	.....	..
387	21	21 58+0 29r	22 18+0 11L	.....	.....	22 03+0 25I	.....	.....	Z
388	22	1 18+0 01P*	.....	.....	.....	.....	.....	.....	..
389	22	1 51+0 37r	2 11+0 19L	.....	.....	1 56+0 18I	.....	.....	AA
390	22	15 17+0 01v*	.....	.....	.....	.....	.....	.....	BB
391	22	17 28+0 12L	.....	.....	.....	.....	.....	.....	..
392	24	2 49+0 49r	3 12+0 16L	3 05+0 25L	.....	2 51+0 55I	.....	2 49+0 02P	CC
393	24	14 24+1 26r	14 36+0 55L	14 20+1 12L	14 24+0 27L	14 35+1 30I	14 30+0 10r	14 24+0 10r	DD
394	24	.....	.....	.....	.....	.....	14 48+0 01P	.....	..
395	28	.....	.....	2 36+0 18I	.....	.....	.....	.....	..
396	28	9 11+0 01v*	.....	.....	.....	.....	.....	.....	EE
397	28	21 02+0 45L	.....	20 54+0 34L	.....	21 06+0 48I	.....	.....	..
398	28	.....	.....	.....	.....	22 39+0 08L	.....	.....	..
399	28	22 39+0 51u	.....	22 50+0 25u	22 47+0 05L	22 48+0 44u	22 39+0 17u	22 39+0 17u	FF
400	29	.....	.....	.....	.....	1 25+0 16I	.....	.....	..
401	29	4 20+0 10L	.....	4 10+0 12L	.....	4 23+0 08I	4 23+0 04I	.....	..
402	29	23 55+0 15L	.....	.....	.....	0 00+0 21L	.....	.....	..
403	30	5 56+0 08L	.....	5 50+0 11I	.....	5 58+0 11I	.....	.....	..
404	30	6 40+0 04I	.....	.....	.....	.....	.....	.....	..

CORRELATION OF EARTHQUAKES

August, 1946

N O T E S

A : Ottawa Δ = 7,800 km. H = 19^h19^m0 U.T.
Victoria Δ = 9,420 km. H = 19 19.1 U.T.
Saskatoon Δ = 9,200 km. H = 19 18.9 U.T.
Seven Falls Δ = 7,820 km. H = 19 19.2 U.T.
Shawinigan Falls Δ = 7,880 km. H = 19 19.0 U.T.

B : San Dominica Earthquake Aug. 4, 1946
Ottawa Δ = 2,850 km. H = 17^h51^m3 U.T.
Victoria Δ = 5,680 km. H = 17 51.3 U.T.
Saskatoon Δ = 4,750 km. H = 17 51.3 U.T.
Halifax Δ = 3,090 km. H = 17 51.0 U.T.
Seven Falls Δ = 2,960 km. H = 17 51.3 U.T.
Shawinigan Falls Δ = 2,950 km. H = 17 51.3 U.T.

C : Aftershock of San Dominica Earthquake of Aug. 4, 1946
Halifax Δ = 2,735 km. H = 19^h53^m0 U.T.

D : Aftershock of San Dominica Earthquake of Aug. 4, 1946
Halifax Δ = 2,690 km. H = 20^h50^m4 U.T.

E : Aftershock of San Dominica Earthquake of Aug. 4, 1946
Ottawa Δ = 2,810 km. H = 12^h33^m5 U.T.

F : Aftershock of San Dominica Earthquake of Aug. 4, 1946
Ottawa Δ = 2,810 km. H = 20^h09^m0 U.T.

G : Aftershock of San Dominica Earthquake of Aug. 4, 1946
Ottawa Δ = 2,810 km. H = 5^h57^m5 U.T.

H : Aftershock of San Dominica Earthquake of Aug. 4, 1946
Ottawa Δ = 2,880 km. H = 16^h15^m9 U.T.

I : Aftershock of San Dominica Earthquake of Aug. 4, 1946
Ottawa Δ = 2,850 km. H = 18^h26^m6 U.T.

J : Aftershock of San Dominica Earthquake of Aug. 4, 1946
Ottawa Δ = 2,800 km. H = 19^h21^m7 U.T.
Halifax Δ = 2,650 km. H = 19 21.9 U.T.

K : Second Major Quake of San Dominica Aug. 8, 1946
Ottawa Δ = 2,880 km. H = 13^h28^m5 U.T.
Victoria Δ = 5,780 km. H = 13 28.3 U.T.
Saskatoon Δ = 4,680 km. H = 13 28.7 U.T.
Halifax Δ = 2,950 km. H = 13 28.4 U.T.
Shawinigan Falls Δ = 3,050 km. H = 13 28.4 U.T.

L : Aftershock of San Dominica Earthquake of Aug. 8, 1946
Ottawa Δ = 2,870 km. H = 17^h24^m2 U.T.
Halifax Δ = 2,950 km. H = 17 23.9 U.T.

M : Aftershock of San Dominica Earthquake of Aug. 8, 1946
Ottawa Δ = 2,970 km. H = 8^h25^m6 U.T.

N : Aftershock of San Dominica Earthquake of Aug. 8, 1946
Ottawa Δ = 2,860 km. H = 20^h06^m9 U.T.
Saskatoon Δ = 4,740 km. H = 20 06.8 U.T.
Halifax Δ = 2,850 km. H = 20 06.8 U.T.

CORRELATION OF EARTHQUAKES

August, 1946

N O T E S

O : Aftershock of San Dominica Earthquake of Aug. 8, 1946
Ottawa Δ = 2,870 km. H = 2^h10^m6 U.T.

P : Aftershock of San Dominica Earthquake of Aug. 8, 1946
Ottawa Δ = 2,970 km. H = 6^h58^m6 U.T.

Q : Aftershock of San Dominica Earthquake of Aug. 8, 1946
Ottawa Δ = 2,900 km. H = 9^h00^m3 U.T.

R : Aftershock of San Dominica Earthquake of Aug. 8, 1946
Ottawa Δ = 2,850 km. H = 11^h45^m9 U.T.

S : Ottawa Δ = 13,800 km. H = 1^h54^m4 U.T.
Saskatoon Δ = 11,650 km. H = 1 54.1 U.T.

T : Ottawa Δ = 2,610 km. H = 9^h32^m6 U.T.

U : Ottawa Δ = 3,800 km. H = 17^h15^m4 U.T.

V : Ottawa Δ = 3,800 km. H = 3^h27^m1 U.T.

W : Aftershock of San Dominica Earthquake of Aug. 8, 1946
Ottawa Δ = 2,870 km. H = 12^h49^m5 U.T.

X : Victoria Δ = 9,300 km. H = 18^h00^m5 U.T.

Y : San Dominica Earthquake Aug. 21, 1946
Ottawa Δ = 2,880 km. H = 19^h17^m8 U.T.
Victoria Δ = 5,510 km. H = 19 18.3 U.T.
Saskatoon Δ = 4,580 km. H = 19 18.1 U.T.
Halifax Δ = 2,780 km. H = 19 17.9 U.T.
Seven Falls Δ = 2,890 km. H = 19 18.1 U.T.
Shawinigan Falls Δ = 2,810 km. H = 19 18.0 U.T.

Z : Aftershock of San Dominica Earthquake of Aug. 21, 1946
Ottawa Δ = 2,800 km. H = 21^h52^m6 U.T.

AA : Aftershock of San Dominica Earthquake of Aug. 21, 1946
Ottawa Δ = 2,850 km. H = 1^h45^m3 U.T.

BB : Ottawa Δ = 145 km. H = 15^h16^m8 U.T.

CC : Ottawa Δ = 3,960 km. H = 2^h42^m0 U.T.

DD : Aftershock of the San Dominican Earthquake of Aug. 21, 1946
Ottawa Δ = 2,860 km. H = 14^h18^m4 U.T.

EE : Ottawa Δ = 105 km. H = 9^h10^m2 U.T.

FF : Ottawa Δ = 7,035 km. H = 22^h28^m4 U.T.
Seven Falls Δ = 7,050 km. H = 22 28.6 U.T.
Shawinigan Falls Δ = 7,120 km. H = 22 28.4 U.T.

Dominion Observatory,
OTTAWA, CANADA

December 18, 1946.

SEISMOLOGICAL SERVICE OF CANADA

SEISMOLOGICAL BULLETIN

September and October

1946

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DOMINION OBSERVATORY

OTTAWA - CANADA

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SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

R. Meldrum Stewart, Dominion Astronomer
Ernest A. Hodgson, Seismologist
W. W. Doxsee, Station Superintendent

S T A T I O N S

OTTAWA

ϕ = 45°23'38" N. λ = 75°42'57" W. h = 83m.

Time correction within 0.10s.

Foundation: boulder clay over limestone

Instruments: Milne-Shaw NS and EW components, designated 23 and 17, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 1 lb.

Benioff Vertical, short and long period, designated BS and BL, respectively, photographic registration, BS a paper speed of 60 mm. per min., BL a paper speed of 30 mm. per min., mass 235 lbs.

HALIFAX

Dalhousie University

ϕ = 44°38' N. λ = 63°36' W. h = 46m.

Time correction from recorded radio time signals

Foundation: Carbonaceous slate

Instruments: Bosch NS and EW components, designated HN and HE, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 200g.

SEVEN FALLS

Quebec Power Company

ϕ = 47°07!4 N. λ = 70°49!6 W. h = 232m. ca.

Time correction from recorded radio time signals

Foundation: Solid granite of Canadian Shield

Instruments: Wood-Anderson and Milne-Shaw, both EW component, designated SF and SM, respectively, each with photographic registration, magnetic damping, SF a paper speed of 60 mm. per min. and mass 15g., SM a paper speed of 8 mm. per min. and mass 1 lb.

S T A T I O N S (Cont'd)

VICTORIA

Dominion Astrophysical Observatory

ϕ = 48°31'14" N. λ = 123°24'56" W. h = 197m.

Time correction from recorded radio time signals

Foundation: rock

Instruments: Milne-Shaw NS and EW components, designated 21 and 20, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

SHAWINIGAN FALLS

Shawinigan Water and Power Company

ϕ = 46°33'1 N. λ = 72°45'8 W. h = 60m. ca.

Time correction from recorded radio time signals

Foundation: solid granite of Canadian Shield

Instrument: Wood-Anderson NS component, designated SA, photographic registration, magnetic damping, paper speed of 60 mm. per min., mass 15g.

SASKATOON

University of Saskatchewan

ϕ = 52°08' N. λ = 106°38' W. h = 515m.

Time correction from radio time signals

Foundation: clay and sand

Instrument: Milne-Shaw NE and NW components, designated 18 and 22, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

DETERMINED CONSTANTS

INSTRUMENT	T_o	V	ε	DISPLACEMENT FOR 1" ARC TILT	DISPLACEMENT FOR 10^{-6} g
17 (Ottawa)	12.0	300	20:1	50 mm.	
23 (Ottawa)	12.0	300	20:1	50 mm.	
BS (Ottawa)	1.0				5 mm.
BL (Ottawa)	1.0				16 mm.
HN (Halifax)	5.0	125	20:1		
HE (Halifax)	5.0	125	20:1		
SA (Shawinigan)	1.0	2500			
20 (Victoria)	12.0	300	20:1		
21 (Victoria)	12.0	300	20:1		
SF (Seven Falls)	1.0	2500			
SM (Seven Falls)	12.0	300	20:1	50 mm.	
18 (Saskatoon)	10.0	150	20:1	18 mm.	
22 (Saskatoon)	10.0	150	20:1	18 mm.	

NOTE:- Universal Time used throughout.

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 1, 1946 to September 6, 1946 No. 66

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
405 Sept. 1	I	4 39.6	65	
	P_1	4 39 49.5		
	S_1	4 39 56		
	F	4 41		
		Ottawa		
406 Sept. 2	I	21 51.9	3660	Tacubaya gives:
	P	21 58 34		ϕ = 17°24' N.
	S	22 04.0		λ = 94°51' W.
	L	22 13		
	F	22 22		
		Ottawa		
407 Sept. 4	I	0 12.3	115	
	P_{1Z}	0 12 41.5		
	S_{1Z}	0 12 55		
	F	0 13.5		
		Ottawa		
408 Sept. 4	H	19 29.3	95	Cornwall, Ont.
	P_{1Z}	19 29 36		
	S_{1Z}	19 29 47		
	F	19 30.6		
		Ottawa		
409 Sept. 6	e_Z	22 05.0		
	e	22 09.5		
	L	22 12		
	F	23 00		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 6, 1946 to September 12, 1946 No. 67

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Shawinigan Falls		
409 Sept. 6	e	22 05 04		
	L	22 10 41		
	F	22 15		
		Victoria		
411 Sept. 9	e	10 59 59		
	L	11 27		
	F	12 04		
		Ottawa		
417 Sept. 12	e_N	15 39.5		USCGS gives: ϕ = 25°.5 N. λ = 89° E.
	e	15 40 18		
	e_N	15 42 00		
	e_E	15 44.3		
	i_N	15 45 40		
	i_N	15 46 24		
	e	15 54 52		
	e	16 59.4		
	e	16 02 40		
	L	16 08		
	F	17 48+		
		Victoria		
	K	15 16.9	11,100	
	PP	15 34 36		
	e	15 38.8		
	SKKS	15 41 56		
	PPS	15 44 15		
	SS	15 49.8		
	SSS	15 53		
	L	16 01		
	F	19 58		
		Saskatoon		
	e	15 35.4		
	e	15 38 21		
	e_{NE}	15 41 02		
	e_{NE}	15 43 02		
	e_{NW}	15 44 32		
	e	15 49 05		
	L	16 02		
	F	18 50		
		Halifax		
	e	15 36.4		
	e	15 42.4		
	e	15 45.5		
	L	16 01		
	F	17 43		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 12, 1946 to September 13, 1946 No. 68

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
417 Sept. 12 (cont'd)	P	15 16.9	12,200	
	PP	15 35 59		
	e	15 40 04		
	S	15 43 51		
	PPS	15 46.5		
	SS	15 51.1		
	SSS	15 54.8		
	L	16 02		
	F	20 12		
		Shawinigan Falls		
	e	15 36.6		
	e	15 39 39		
	e	15 45.6		
	e	15 54.7		
	L	16 13		
	F	17 14		
		Halifax		
418 Sept. 12	e	17 45 03		
	e	17 49 31		
	I	17 51		
	F	18 18		
		Seven Falls		
	e	17 45 31		
	e	17 50 38		
	L	17 53		
	F	18 04		
		Shawinigan Falls		
	e	17 45 15		
	I	17 58		
	F	18 07		
		Seven Falls		
422 Sept. 13	e	16 22.9		
	L	16 51		
	F	18 09		
		Ottawa		
423 Sept. 13	iZ	19 10 31		
	L	19 33		
	F	19 52		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 13, 1946 to September 19, 1946 No. 69

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
423 Sept. 13 (cont'd)	e_{NW}	(19 07 54)		Time correction uncertain.
	e	(19 15 27)		
	L	(19 24)		
	F	(19 42)		
		Seven Falls		
	e	19 19.0		
	L	19 34		
	F	20 01		
		Ottawa		
429 Sept. 15	e_Z	16 15 55		
	e	16 20 15		
	L	16 25		
	F	17 13		
		Shawinigan Falls		
	e	16 16 02		
	e	16 21 55		
	F	16 27		
		Ottawa		
432 Sept. 18	e_Z	2 16 15		USCGS gives: ϕ = 16° N. λ = 101° W.
	L	2 26		
	F	2 44		
		Ottawa		
433 Sept. 19	P	0 53.5	265	
	P_{2Z}	0 54 11		
	S_{2Z}	0 54 41		
	i_Z	0 54 44		
	F_Z	0 55.4		
		Ottawa		
434 Sept. 19	P	6 57.0	2900	
	P	7 02 36		
	S	7 07.2		
	L	7 11		
	F	7 46		
		Saskatoon		
	e_{NE}	7 14 56		
	L	7 19		
	F	7 44		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 19, 1946 to September 23, 1947 No. 70

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
434 Sept. 19 (cont'd)	e	7 03.0		
	L	7 09		
	F	7 54		
		Shawinigan Falls		
	e	7 02 43		
	e	7 08 00		
	F	7 12		
		Ottawa		
435 Sept. 20	H	17 35.9	2980	
	P	17 41 40		
	S	17 46 22		
	L	17 49.4		
	F	18 30		
		Seven Falls		
	H	17 35.7	3540	
	P	17 42 11		
	S	17 47 30		
	L	17 52		
	F	18 16		
		Shawinigan Falls		
	e	17 41 45		
	L	17 54		
	F	18 00		
		Ottawa		
440 Sept. 23	e	22 23.4		
	e	22 30.5		
	e	22 41.6		
	L	22 45		
	F	23 48		
		Seven Falls		
	e	22 19.2		
	L	22 50		
	F	23 50		
		Ottawa		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 23, 1946 to September 23, 1946 No. 71

NO. AND DATE	PHASE	TIME h m s	DISTANCE km.	REMARKS
		Ottawa		
441 Sept. 23	P	23 29.7	14,200	USCGS gives: ϕ = 3° S. λ = 144° E.
	iP'	23 48 52		
	PP	23 50 50		
	SKS_N	23 55.8		
	SKKS	23 57 35		
	S_E	23 58 35		
	PS_N	0 01.0		
	PPS	0 03.1		
	SS	0 07 50		
	SSS	0 12.5		
	L	0 19		
	F	2 07		
		Victoria		
	e	23 52		
	e	23 55 14		
	e	0 11		
	F	2 14		
		Saskatoon		
	P	23 29.5	11,700	
	e	23 47 24		
	SKS	23 54 10		
	$SKKS_{NW}$	23 55 14		
	PPS	23 58 03		
	SS	0 03		
	SSS	0 08		
	L	0 15.5		
	F	2 14		
		Halifax		
	e	23 52.2		
	L	0 02		
	F	1 10		
		Seven Falls		
	P	23 29.7	14,350	
	P'	23 48 56		
	PP	23 51 09		
	SKP	23 52 16		
	PPP	23 53 30		
	S	23 58.8		
	PS	0 01 02		
	PPS	0 02 42		
	L	0 23		
	F	2 39		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 23, 1946 to September 25, 1946 No. 72

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Shawinigan Falls		
441 Sept. 23 (cont'd)	E	23 29.8	14,350	
	P'	23 48 54		
	PP	23 51.1		
	SIKS	23 57.9		
	PS	0 02		
	SS	0 08		
	F	0 31		
		Ottawa		
443 Sept. 25	E	10 05.8	2,800	USCGS gives: Aftershock of San Dominica Earthquakes.
	P	10 11 16		
	S	10 15 45		
	e	10 16 07		
	L	10 18.5		
	F	11 30		
		Victoria		
	e	11 20.7		
	L	11 31		
	F	12 28		
		Saskatoon		
	E	10 05.7	4,550	
	P_{NW}	10 13 25		
	PPP_{NW}	10 15 19		
	S	10 19 45		
	SSS	10 23.2		
	L	10 27		
	F	11 19		
		Halifax		
	E	10 05.6	2,900	
	P	10 11 09		
	S	10 15 45		
	L	10 17.5		
	F	10 31		
		Seven Falls		
	E	10 05.4	3,300	
	P	10 11.5		
	e	10 13 20		
	S	10 16 36		
	SS	10 18.4		
	I	10 21.6		
	F	11 19		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 25, 1946 to September 26, 1946 No. 73

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Shawinigan Falls		
443 Sept. 25 (cont'd)	P	10 04.9	3,550	
	P	10 11 23		
	S	10 16.7		
	I	10 24		
	F	10 33		
		Ottawa		
445 Sept. 25	P	14 58.0	2,880	
	P	15 03 37		
	S	15 08.2		
	L	15 12		
	F	15 47		
		Shawinigan Falls		
	e	15 03 42		
	L	15 16		
	F	15 20		
		Ottawa		
447 Sept. 26	e_Z	11 10 55		
	e_Z	11 13 8		
	e_E	11 17.0		
	e_E	11 18.2		
	L	11 22.5		
	F	11 52		
		Victoria		
	e	11 05.2		
	e	11 14 51		
	F	11 29		
		Saskatoon		
	e	11 15 22		
	L	11 19.5		
	F	11 33		
		Ottawa		
449 Sept. 26	P	21 19.1	320	
	P_2	21 19 56		
	S_3	21 20 26.5		
	S_2	21 20 32		
	F	21 22.3		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 26, 1946 to September 29, 1946 No. 74

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
449 Sept. 26 (cont'd)	H	21 19.1	125	
	P_2	21 19 25		
	S_2	21 19 40.5		
	F	21 20.7		
		Shawinigan Falls		
	H	21 19.1	55	
	P_1	21 19 19		
	S_1	21 19 25		
	F	21 20.8		
		Ottawa		
454 Sept. 28	e_Z	19 48 53		
	e_Z	19 52 09		
	F	19 54		
		Ottawa		
455 Sept. 29	H	3 02.0	13,500	USCGS gives:
	P'	3 20 54		δ = 5° S.
	PP	3 22 34		λ = 154° E.
	SHS	3 28 12		
	SHIS	3 29 42		
	S_M	3 30 36		
	PS	3 32.4		
	PPS_Z	3 33.7		
	SS	3 39 12		
	e	3 42.2		
	SSS	3 43.8		
	e	3 48.0		
	L	3 51		
	F	7 42		
		Saskatoon		
	H	3 01.9	11,100	
	P	3 15.5		
	PP	3 19 37		
	SHS	3 26 12		
	SHIS	3 26 57		
	PS	3 28 32		
	SS	3 34.0		
	SSS	3 37.4		
	I	3 43		
	F	7 50		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM September 29, 1946 to September 29, 1946 No. 75

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Halifax		
455 Sept. 29 (cont'd)	E	3 02.3	14,200	
	SKP	3 24 36		
	SKS	3 28 38		
	S	3 33.6		
	SS	3 40.7		
	SSS	3 47		
	L	3 55		
	F	5 48		
		Seven Falls		
	E	3 02.0	14,000	
	P'	3 20 50		
	PP	3 22 50		
	SKP	3 24 06		
	SKS	3 28 03		
	SKKS	3 29 54		
	S	3 40 45		
	PS	3 32 40		
	SS	3 39 25		
	SSS	3 43 06		
	L	3 51		
	F	8 11		
		Shawinigan Falls		
	E	3 02.0	14,000	
	P'	3 21 01		
	PP	3 22 49		
	PPP	3 24 15		
	e	3 25 57		
	SKS	3 28 17		
	SKKS	3 29 49		
	e	3 33 19		
	SS	3 39 25		
	L	3 53		
	F	5 26		
		Victoria		
	E	3 02.6	9,520	
	P	3 15.2		
	S	3 25 47		
	SS	3 31 58		
	SSS	3 35 17		
	i	3 38 43		
	L	3 44		
	F	7 16		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA.

FROM September 29, 1946 to September 30, 1946 No. 76

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
458 Sept. 30	M	0 59.8	6,350	USCGS gives:
	P	1 09 30		ϕ = 12°.5 S.
	S	1 17 30		λ = 76° W.
	SSS_E	1 24.2		Depth 100 km.
	L	1 29		
	F	1 45		
		Seven Falls		
	M	1 00.0	6,340	
	P	1 09 47		
	S	1 17 46		
	L	1 24		
	F	2 01		
		Shawinigan Falls		
	M	1 00.0	6,350	
	P	1 09 42		
	S	1 17 49		
	F	1 23		

W. W. Doyscc.

EARTHQUAKE CORRELATION TABLE

September, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
405	1	.....	.....	.....	.....	.....	4 40+0 01d	.....	A
406	2	21 58+0 24r	.....	.....	.....	.....	.....	.....	B
407	4	0 13+0 01v	.....	.....	.....	.....	.....	.....	C
408	4	19 30+0 01d	.....	.....	.....	.....	.....	.....	D
409	6	22 05+0 55r	.....	23 21+0 21I	.....	22 10+0 41I	.....	22 05+0 10r	..
410	7	.....	.....	.....	.....	13 24+0 30I	.....	.....	..
411	9	11 34+0 32I	11 00+1 04r	11 30+0 20I	.....	11 21+0 56I	.....	.....	..
412	11	.....	2 07+0 15L	2 15+0 19I	.....	2 26+0 16I	2 25+0 04L	2 24+0 05L	..
413	11	.....	11 02+0 20I	11 01+0 17I	.....	10 43+0 42I	.....	.....	..
414	11	.....	13 44+0 35L	13 58+0 21I	.....	14 05+0 23I	.....	.....	..
415	12	.....	2 19+0 04L	.....	.....	.....	.....	.....	..
416	12	14 47+0 44I	14 41+0 30L	14 46+0 28I	.....	14 34+1 03I	.....	.....	..
417	12	15 40+2 08U	15 35+4 23U	15 35+3 15U	15 36+2 07u	15 36+4 36U	15 36+1 58U	15 37+1 37U	E
418	12	17 45+1 24L	.....	.....	17 45+0 33u	.....	17 46+0 18u	17 45+0 22u	..
419	12	.....	.....	.....	.....	.....	18 07+0 03P	18 08+0 03P	..
420	12	19 34+0 26L	.....	.....	.....	.....	.....	.....	..
421	13	5 06+0 13L	5 25+0 13L	.....	.....	5 07+0 10I	.....	.....	..
422	13	16 21+0 08I	16 17+0 12L	16 18+0 08I	.....	16 23+1 46u	.....	.....	..
423	13	19 11+0 41u	.....	19 08+0 34u	.....	19 19+0 42u	.....	19 11+0 06P	..
424	13	20 01+0 08I	.....	19 59+0 12I	.....	20 04+0 16I	.....	20 02+0 05I	.1
425	13	20 24+0 11L	.....	20 19+0 17I	.....	20 24+0 21I	.....	20 24+0 06I	..
426	14	6 34+0 17I	.....	6 30+0 33I	6 38+0 12L	6 35+0 24I	6 35+0 08L	6 34+0 09L	..
427	14	20 08+0 04P*	.....	.....	.....	.....	20 09+0 02P	20 09+0 04P	..
428	15	5 29+0 05P*	.....	.....	.....	.....	.....	5 29+0 01P	..
429	15	16 16+0 57r	.....	.....	.....	16 22+0 36I	16 22+0 02L	16 16+0 11r	..
430	16	10 23+0 27L	10 06+0 32L	10 11+0 28I	.....	10 18+0 46I	.....	.....	..
431	16	12 44+0 08L	.....	12 43+0 04I	.....	12 47+0 10I	.....	.....	..
432	18	2 16+0 28r	.....	2 28+0 19I	.....	.....	.....	.....	..

EARTHQUAKE CORRELATION TABLE

September, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls M. S.	Seven Falls T. A.	Shawinigan	**
433	19	0 54+0 01v	.....	.....	.....	.....	.....	.....	F
434	19	7 03+0 43r	7 22+0 19L	7 15+0 29r	.....	7 08+0 46L	7 03+0 08r	7 03+0 09r	G
435	20	17 42+0 48r	18 04+0 12L	.....	.....	17 47+0 29r	17 42+0 10r	17 42+0 18r	H
436	20	.....	.....	19 00+0 09L	.....	.....	.....	.....	..
437	21	.....	.....	.....	.....	20 24+0 49L	.....	.....	..
438	22	.....	.....	.....	.....	6 30+0 10L	.....	.....	..
439	22	8 05+0 01P*	.....	.....	.....	.....	.....	.....	..
440	23	22 23+1 25u	.....	22 42+0 36L	23 00+0 25L	22 19+1 31u	.....	.....	..
441	23	23 49+2 18u	23 52+2 22u	23 47+2 27u	23 52+1 18u	23 51+2 48u	23 49+1 05u	23 49+0 42u	I
442	24	18 25+0 17L	.....	.....	.....	18 24+0 16L	.....	.....	..
443	25	10 11+1 19r	11 21+1 07u	10 13+1 06r	10 11+0 20r	10 11+1 15L	10 11+0 22r	10 11+0 22r	J
444	25	10 33+0 03P*	.....	.....	.....	.....	10 33+0 04P	10 33+0 04P	..
445	25	15 04+0 43r	16 24+0 23L	.....	.....	15 07+0 57L	15 04+0 07L	15 04+0 16r	K
446	25	15 09+0 02P*	.....	.....	.....	.....	15 09+0 02P	15 09+0 05P	..
447	26	11 11+0 41r	11 05+0 24r	11 15+0 18r	.....	.....	.....	11 13+0 07P	..
448	26	12 57+0 07L	12 41+0 12L	12 46+0 07L	.....	12 12+0 04I	.....	12 58+0 02I	..
449	26	21 20+0 02v	.....	.....	.....	.....	21 19+0 01v	21 19+0 01d	I
450	27	.....	.....	.....	.....	20 39+0 13L	.....	.....	..
451	28	7 37+0 03L	.....	7 29+0 05L	.....	.....	.....	.....	..
452	28	13 29+0 05P*	.....	.....	.....	.....	.....	13 29+0 01P	..
453	28	.....	.....	14 10+0 09L	.....	.....	14 07+0 02P	14 07+0 04P	..
454	28	19 49+0 05P*	.....	.....	.....	.....	19 52+0 01P	19 49+0 10P	..
455	29	3 21+4 21U	3 15+4 01U	3 15+4 35U	3 25+2 23U	3 23+4 49U	3 21+1 58U	3 21+2 05U	M
456	29	8 21+0 02P*	.....	.....	.....	.....	.....	.....	..
457	29	.....	.....	9 58+0 26L	.....	9 53+1 06L	.....	.....	..
458	30	1 09+0 36u	.....	.....	.....	1 18+0 43u	1 10+0 15u	1 10+0 13u	N
459	30	12 15+0 35L	.....	.....	.....	12 10+1 09L	.....	.....	..

CORRELATION OF EARTHQUAKES

September, 1946

N O T E S

A	:	Seven Falls	Δ = 65 km.	H = 4^h39^m6 U.T.
B	:	Ottawa	Δ = 3,660 km.	H = 21^h51^m9 U.T.
C	:	Ottawa	Δ = 115 km.	H = 0^h12^m3 U.T.
D	:	Ottawa	Δ = 95 km.	H = 19^h29^m3 U.T.
E	:	Victoria	Δ = 11,100 km.	H = 15^h16^m9 U.T.
		Seven Falls	Δ = 12,200 km.	H = 15 16.9 U.T.
F	:	Ottawa	Δ = 265 km.	H = 0^h53^m5 U.T.
G	:	Ottawa	Δ = 2,900 km.	H = 6^h57^m0 U.T.
H	:	Ottawa	Δ = 2,980 km.	H = 17^h35^m9 U.T.
		Seven Falls	Δ = 3,540 km.	H = 17 35.7 U.T.
I	:	Ottawa	Δ = 14,200 km.	H = 23^h29^m7 U.T.
		Saskatoon	Δ = 11,700 km.	H = 23 29.5 U.T.
		Seven Falls	Δ = 14,350 km.	H = 23 29.7 U.T.
		Shawinigan Falls	Δ = 14,350 km.	H = 23 29.8 U.T.
J	:	Ottawa	Δ = 2,800 km.	H = 10^h05^m8 U.T.
		Saskatoon	Δ = 4,550 km.	H = 10 05.7 U.T.
		Halifax	Δ = 2,900 km.	H = 10 05.6 U.T.
		Seven Falls	Δ = 3,300 km.	H = 10 05.4 U.T.
		Shawinigan Falls	Δ = 3,550 km.	H = 10 04.9 U.T.
K	:	Ottawa	Δ = 2,880 km.	H = 14^h58^m0 U.T.
L	:	Ottawa	Δ = 320 km.	H = 21^h19^m1 U.T.
		Seven Falls	Δ = 125 km.	H = 21 19.1 U.T.
		Shawinigan Falls	Δ = 55 km.	H = 21 19.1 U.T.
M	:	Ottawa	Δ = 13,500 km.	H = 3^h02^m0 U.T.
		Saskatoon	Δ = 11,100 km.	H = 3 01.9 U.T.
		Halifax	Δ = 14,200 km.	H = 3 02.3 U.T.
		Seven Falls	Δ = 14,000 km.	H = 3 02.0 U.T.
		Shawinigan Falls	Δ = 14,000 km.	H = 3 02.0 U.T.
		Victoria	Δ = 9,520 km.	H = 3 02.6 U.T.
N	:	Ottawa	Δ = 6,350 km.	H = 0^h59^m8 U.T.
		Seven Falls	Δ = 6,340 km.	H = 1 00.0 U.T.
		Shawinigan Falls	Δ = 6,350 km.	H = 1 00.0 U.T.

Dominion Observatory,

OTTAWA , CANADA

January 2, 1947.

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM October 1, 1946 to October 2, 1946 No. 77

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
460 Oct. 2	H	4 46.3	7840	USCGS gives:
	P	4 57 31		ϕ = 51° N.
	S	5 06.8		λ = 157° E.
	SS	5 11.5		d) normal
	L	5 19		
	F	6 02		
		Victoria		
	H	4 46.7	5010	
	P	4 54 59		
	PPP	4 56 59		
	S	5 01 44		
	SS	5 05		
	L	5 07		
	F	6 02		
		Saskatoon		
	H	4 45.8	5820	
	P_{NW}	4 54 56		
	S	5 02 27		
	SS_{NW}	5 06.1		
	L	5 10		
	F	6 08		
		Seven Falls		
	H	4 46.3	7860	
	P	4 57 34		
	PP	5 02.5		
	S	5 06 51		
	SS	5 16 17		
	L	5 20.0		
	F	5 43		
		Ottawa		
462 Oct. 2	H	6 43.5	7820	USCGS gives:
	P	6 54 40		ϕ = 51° N.
	PP	6 57 22		λ = 157° E.
	S	7 03 56		d) normal
	SS_N	7 08.7		
	SSS	7 11		
	L	7 16		
	F	8 04		
		Victoria		
	H	6 43.3	5290	
	P	6 51 52		
	PPP	6 54 07		
	S	6 58 53		
	SS	7 02		
	L	7 07		
	F	7 54		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM October 2, 1946 to October 4, 1946 No. 78

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
462 Oct. 2 (cont'd)	H	6 42.8	5920	
	P_{NW}	6 52 04		
	S	6 59 40		
	SS_{NW}	7 03 45		
	L	7 09		
	F	7 57		
		Seven Falls		
	E	6 43.5	7900	
	P	6 54 38		
	PP	6 58 37		
	S	7 03 59		
	SS	7 12		
	L	7 16		
	F	8 42		
		Ottawa		
464 Oct. 4	E	14 45.6	2850	USCGS gives: Aftershock of quake of Aug. 4, 1946 in Dominican Republic
	P	14 51 10		
	S	14 55 43		
	i	14 56 14		
	L	14 59		
	F	16 34		
		Victoria		
	e	15 02 12		
	L	15 10		
	F	16 00		
		Saskatoon		
	E	14 45.0	4720	
	P	14 52 55		
	PPP_{NW}	14 54 57		
	S	14 59 24		
	SSS	14 02 37		
	L	14 06.5		
	F	15 40		
		Halifax		
	E	14 45.7	2810	
	P	14 51 13		
	e	14 55 30		
	S_N	14 55 43		
	L	14 58		
	F	15 14		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM October 4, 1946 to October 14, 1946 No.79

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
464 Oct. 4 (cont'd)	K	14 45.6	3050	
	P	14 51 14		
	PP	14 52.1		
	S	14 56 01		
	e	14 56 45		
	L	14 59		
	F	16 27		
		Shawinigan Falls		
	e	14 51 15		
	e	14 53 56		
	i	14 56 54		
	L	15 00.3		
	F	15 14		
		Seven Falls		
466 Oct. 6	K	3 34.5	35	
	P_1	3 34 35		
	S_1	3 34 39.5		
	F	3 35.6		
		Ottawa		
471 Oct. 9	K	21 34.0	150	
	P_{2Z}	21 34 26		
	S_{2Z}	21 34 43.5		
	F	21 35.3		
		Ottawa		
472 Oct. 10	e_Z	4 42 01		
	L	5 23		
	F	6 00		
		Ottawa		
478 Oct. 14	e	5 40 12		
	L	5 47		
	F	6 26		
		Victoria		
	e	5 09 11		
	L	5 30		
	F	6 10		
		Saskatoon		
	e	5 15.4		
	L	5 36		
	F	6 38		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM October 14, 1946 to October 21, 1946 No. 80

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
478 Oct. 14 (cont'd)	e	5 10.6		
	e	5 16.6		
	e	5 22.2		
	e	5 44.0		
	L	5 55		
	F	7 15		
		Ottawa		
482 Oct. 19	H	14 23.4	4740	
	P_Z	14 31 17		
	S_N	14 37 47		
	SSS_N	14 41.2		
	L	14 44		
	F	15 00		
		Victoria		
	e	14 27 29		
	L	14 32		
	F	14 44		
		Saskatoon		
	H	14 23.2	2680	
	P_{NW}	14 28 29		
	S	14 32 49		
	L	14 35		
	F	14 55		
		Seven Falls		
	e	14 38 07		
	L	14 44		
	F	15 05		
		Ottawa		
483 Oct. 21	e	13 52 24		
	L	14 02		
	F	14 19		
		Seven Falls		
	e	13 54 35		
	é	14 03.2		
	L	14 05		
	F	14 29		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM October 21, 1946 to October 26, 1946 No. 81

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
485 Oct. 22	H	10 10.5	4960	
	P_Z	10 18 42		
	S	10 25 24		
	SSS	10 29.8		
	L	10 35		
	F	11 39		
		Saskatoon		
	e	10 23 05		
	L	10 31		
	F	11 18		
		Seven Falls		
	e	10 20.4		
	S	10 25 26		
	e	10 27 03		
	L	10 30.0		
	F	12 42		
		Ottawa		
489 Oct. 25	e_Z	22 01 17		
	e_N	22 11.0		
	L	22 15		
	F	22 44		
		Seven Falls		
	e	22 01 18		
	e	22 05 48		
	i	22 10 16		
	L	22 19.0		
	F	22 57		
		Shawinigan Falls		
	e	22 01 18		
	L	22 10 10		
	F	22 15		
		Ottawa		
490 Oct. 26	H	0 21 ca	12200	
	PP	0 40 12		
	$SKKS_N$	0 47.4		
	PS_N	0 49.5		
	SS	0 55.6		
	L	1 12		
	F	1 47		

SEISMOLOGICAL SERVICE OF C.N.D.

DOMINION OBSERVATORY, OTTAWA.

FROM October 30, 1946 to October 31, 1946 No. 83

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
498 Oct. 30 (cont'd)	H	7 47.2	3660	
	P	7 53 51		
	PP	7 55 04		
	PPP_{MN}	7 55 20		
	S	7 59 17		
	SS	8 01 28		
	L	8 03.2		
	F	10 27		
		Halifax		
	e	8 06 01		
	L	8 17		
	F	8 44		
		Seven Falls		
	H	7 47.9	6000	
	P	7 57 13		
	PP	7 59 16		
	PPP	8 00.7		
	S	8 04 52		
	SS	8 09.0		
	SSS	8 10 35		
	L	8 15		
	F	10 49		
		Shawinigan Falls		
	H	7 47.8	5980	
	P	7 57 05		
	S	8 04 44		
	SSS	8 09.5		
	L	8 13.7		
	F	8 53		

W. W. Doyle.

EARTHQUAKE CORRELATION TABLE

October, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	V. L.		
460	2	4 57+1 05u	4 55+1 07u	4 55+1 13u	.....	4 58+0 45u	4 58+0 04P	4 58+0 08P	A
461	2	5 56+0 03P*	.....	.....	.....	.....	.....	.....	..
462	2	6 55+1 09u	6 52+1 02u	6 52+1 05u	.....	6 55+1 47u	6 55+0 11P	6 55+0 14P	B
463	3	16 06+1 14L	.....	.....	.....	.....	.....	.....	..
464	4	14 51+1 43R	15 02+0 58u	14 53+0 47r	14 51+0 23r	14 52+1 35r	14 51+0 22r	14 51+0 23r	C
465	4	15 14+0 04P*	.....	.....	.....	.....	15 13+0 07P	15 14+0 08P	..
466	6	.....	.....	.....	.....	.....	3 35+0 01d	.....	D
467	7	7 06+0 01P*	.....	.....	.....	.....	.....	.....	..
468	8	23 28+0 11L	.....	.....	.....	23 29+0 11L	.....	.....	..
469	9	.....	.....	.....	.....	6 24+0 27L	.....	.....	..
470	9	.....	.....	.....	.....	20 58+0 30L	.....	.....	..
471	9	21 34+0 01v*	.....	.....	.....	.....	.....	.....	E
472	10	4 42+1 18u	5 02+0 38L	5 10+0 36L	.....	5 23+0 51L	.....	.....	..
473	10	9 34+0 01P*	.....	.....	.....	.....	.....	.....	..
474	11	1 40+0 08L	1 24+0 07L	1 28+0 06L	.....	1 41+0 04L	.....	.....	..
475	13	.....	14 08+0 04L	.....	.....	.....	.....	.....	..
476	13	21 36+0 01P*	.....	.....	.....	22 05+0 05L	.....	.....	..
477	13	23 24+0 02P	.....	.....	.....	23 33+0 08L	.....	.....	..
478	14	5 40+0 46u	5 09+1 01u	5 15+1 23u	5 52+0 12L	5 11+2 04u	.....	.....	..
479	14	23 33+00.6P*	.....	.....	.....	.....	.....	.....	..
480	15	.....	.....	.....	.....	8 42+0 16L	.....	.....	..
481	15	15 15+0 05L	15 00+0 06L	15 03+0 07L	.....	.....	15 15+0 05L	15 15+0 05L	..
482	19	14 31+0 29r	14 27+0 17r	14 28+0 27r	14 49+0 02L	14 38+0 27r	14 46+0 02L	14 46+0 05L	F
483	21	13 52+0 27u	.....	14 05+0 22L	.....	13 55+0 34u	.....	.....	..
484	21	18 09+00.3P*	.....	.....	.....	.....	.....	.....	..

EARTHQUAKE CORRELATION TABLE

October, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						N. S.	W. A.		
485	22	10 19+1 20r	10 23+0 04P	10 23+0 55u	.....	10 20+2 22r	.....	.....	G
486	22	10 29+00.4P*	.....	.....	.....	.....	.....	.....	..
487	22	.....	.....	.....	.....	18 15+0 28I	.....	.....	..
488	22	21 23+00.5P*	.....	.....	.....	21 35+0 08L			..
489	25	22 01+0 43u	.....	.....	.....	22 06+0 51u	22 01+0 11u	22 01+0 14u	..
490	26	0 40+1 07u	0 44+1 12u	0 41+1 48u	.....	0 41+3 23u	.....	.....	F
491	26	.....	.....	.....	.....	.....	.....	20 45+0 06P	..
492	28	3 12+0 0.6P*	.....	.....	.....	.....	.....	.....	..
493	28	.....	.....	.....	.....	14 37+0 20L	14 12+0 04P	14 12+0 03P	..
494	28	20 29+00.2P*	.....	.....	.....	.....	.....	.....	..
495	28	20 38+0 01v*	.....	.....	.....	.....	.....	20 39+0 01v	I
496	29	.....	0 33+0 10L	.....	.....	0 05+0 10L	.....	.....	..
497	29	.....	.....	3 39+0 05L	.....	3 52+0 12I	.....	.....	..
498	30	7 57+2 10U	7 53+2 07R	7 54+2 33R	8 06+0 38u	7 57+2 52I	7 57+1 05U	7 57+0 56U	J
499	30	.....	.....	14 35+0 30L	.....	14 54+0 08L	.....	14 24+0 01P	..

CORRELATION OF EARTHQUAKES

October, 1946

N O T E S

A	:	Ottawa	Δ = 7,840 km.	H = 4^h46^m3 U.T.
		Victoria	Δ = 5,010 km.	H = 4 46.7 U.T.
		Saskatoon	Δ = 5,820 km.	H = 4 45.8 U.T.
		Seven Falls	Δ = 7,860 km.	H = 4 46.3 U.T.
B	:	Ottawa	Δ = 7,820 km.	H = 6^h43^m5 U.T.
		Victoria	Δ = 5,290 km.	H = 6 43.3 U.T.
		Saskatoon	Δ = 5,920 km.	H = 6 42.8 U.T.
		Seven Falls	Δ = 7,900 km.	H = 6 43.5 U.T.
C	:	Ottawa	Δ = 2,850 km.	H = 14^h45^m6 U.T.
		Saskatoon	Δ = 4,720 km.	H = 14 45.0 U.T.
		Halifax	Δ = 2,810 km.	H = 14 45.7 U.T.
		Seven Falls	Δ = 3,050 km.	H = 14 45.6 U.T.
D	:	Seven Falls	Δ = 35 km.	H = 3^h34^m5 U.T.
E	:	Ottawa	Δ = 150 km.	H = 21^h34^m0 U.T.
F	:	Ottawa	Δ = 4,740 km.	H = 14^h23^m4 U.T.
		Saskatoon	Δ = 2,680 km.	H = 14 23.2 U.T.
G	:	Ottawa	Δ = 4,960 km.	H = 10^h10^m5 U.T.
H	:	Ottawa	Δ = 12,200 km.	H = 0^h21^m .U.T.
		Saskatoon	Δ = 13,800 km.	H = 0 21
I	:	Ottawa	Δ = 170 km.	H = 20^h37^m4 U.T.
J	:	Ottawa	Δ = 5,940 km.	H = 7^h47^m7 U.T.
		Victoria	Δ = 2,850 km.	H = 7 47.7 U.T.
		Saskatoon	Δ = 3,660 km.	H = 7 47.2 U.T.
		Seven Falls	Δ = 6,000 km.	H = 7 47.9 U.T.
		Shawinigan Falls	Δ = 5,980 km.	H = 7 47.8 U.T.

Dominion Observatory,

OTTAWA, CANADA.

January 7, 1947.

SEISMOLOGICAL SERVICE OF CANADA

SEISMOLOGICAL BULLETIN

November and December

1946

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DOMINION OBSERVATORY

OTTAWA - CANADA

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SEISMOLOGICAL SERVICE OF CANADA
DOMINION OBSERVATORY, OTTAWA

R. Meldrum Stewart, Dominion Astronomer
Ernest A. Hodgson, Seismologist
W. W. Doxsee, Station Superintendent

S T A T I O N S

OTTAWA

ϕ = 45°23'38" N. λ = 75°42'57" W. h = 83m.

Time correction within 0.10s.

Foundation: boulder clay over limestone

Instruments: Milne-Shaw NS and EW components, designated 23 and 17, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 1 lb.

Benioff Vertical, short and long period, designated BS and BL, respectively, photographic registration, BS a paper speed of 60 mm. per min., BL a paper speed of 30 mm. per min., mass 235 lbs.

HALIFAX

Dalhousie University

ϕ = 44°38' N. λ = 63°36' W. h = 46m.

Time correction from recorded radio time signals

Foundation: Carbonaceous slate

Instruments: Bosch NS and EW components, designated HN and HE, respectively, each with photographic registration, magnetic damping, paper speed of 15 mm. per min., mass 200g.

SEVEN FALLS

Quebec Power Company

ϕ = 47°07!4 N. λ = 70°49!6 W. h = 232m. ca.

Time correction from recorded radio time signals

Foundation: Solid granite of Canadian Shield

Instruments: Wood-Anderson and Milne-Shaw, both EW component, designated SF and SM, respectively, each with photographic registration, magnetic damping, SF a paper speed of 60 mm. per min. and mass 15g., SM a paper speed of 8 mm. per min. and mass 1 lb.

S T A T I O N S (Cont'd)

VICTORIA

Dominion Astrophysical Observatory

ϕ = 48°31'14" N. λ = 123°24'56" W. h = 197m.

Time correction from recorded radio time signals

Foundation: rock

Instruments: Milne-Shaw NS and EW components, designated 21 and 20, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

SHAWINIGAN FALLS

Shawinigan Water and Power Company

ϕ = 46°33'1 N. λ = 72°45'8 W. h = 60m. ca.

Time correction from recorded radio time signals

Foundation: solid granite of Canadian Shield

Instrument: Wood-Anderson NS component, designated SA, photographic registration, magnetic damping, paper speed of 60 mm. per min., mass 15g.

SASKATOON

University of Saskatchewan

ϕ = 52°08' N. λ = 106°38' W. h = 515m.

Time correction from radio time signals

Foundation: clay and sand

Instrument: Milne-Shaw NE and NW components, designated 18 and 22, respectively, each with photographic registration, magnetic damping, paper speed of 8 mm. per min., mass 1 lb.

DETERMINED CONSTANTS

INSTRUMENT	T_o	V	ε	DISPLACEMENT FOR 1" ARC TILT	DISPLACEMENT FOR 10^{-6} g
17 (Ottawa)	12.0	300	20:1	50 mm.	
23 (Ottawa)	12.0	300	20:1	50 mm.	
BS (Ottawa)	1.0				5 mm.
BL (Ottawa)	1.0				16 mm.
HN (Halifax)	5.0	125	20:1		
HE (Halifax)	5.0	125	20:1		
SA (Shawinigan)	1.0	2500			
20 (Victoria)	12.0	300	20:1		
21 (Victoria)	12.0	300	20:1		
SF (Seven Falls)	1.0	2500			
SM (Seven Falls)	12.0	300	20:1	50 mm.	
18 (Saskatoon)	10.0	150	20:1	18 mm.	
22 (Saskatoon)	10.0	150	20:1	18 mm.	

NOTE:- Universal Time used throughout.

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 1, 1946 to November 1, 1946 No. 84

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
500 Nov. 1	H	11 14.7	6550	USCGS gives ϕ = 52°N λ = 174° W.
	P	11 24 35		
	S	11 32 50		
	PS	11 33 23		
	SS	11 37.0		
	L	11 43		
	F	14 16		
		Victoria		
	H	11 14.4	3570	NS component only.
	P	11 20 55		
	PPP	11 22 17		
	S	11 26 15		
	SS	11 28 15		
	L	11 30.6		
	F	13 24		
		Saskatoon		
	H	11 14.2	4350	
	P	11 21 40		
	PPP	11 23 26		
	S	11 27 49		
	SS_{NE}	11 30 38		
	SSS_{NW}	11 31 09		
	L	11 33		
	F	14 14		
		Halifax		
	H	11 14.9	7140	
	P_E	11 25 23		
	S	11 34 08		
	SS	11 38.7		
	L	11 46		
	F	13 07		
		Seven Falls		
	H	11 14.5	6790	
	P	11 24 40		
	PPP	11 28 36		
	S	11 33 06		
	e	11 35 40		
	SS	11 37 20		
	e	11 41 18		
	L	11 44		
	F	15 19		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 1, 1946 to November 2, 1946 No. 85

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Shawinigan Falls		
500 Nov. 1 cont'd	H	11 14.7	6650	
	P	11 24 41		
	S	11 32 59		
	L	11 43.4		
	F	12 30		
		Seven Falls		
522 Nov. 2	e	14 42		
	L	14 57		
	F	15 40		
		Ottawa		
523 Nov. 2	H	18 28.5	9870	USCGS gives: ϕ = 41° N. λ = 76° E.
	P	18 41 25		
	PP	18 44 52		
	PPP	18 47 00		
	S	18 52 14		
	PS_N	18 53 16		
	SS	18 58 26		
	SSS	19 02 00		
	e	19 07		
	I	19 10.5		
	F	21 35		
		Victoria		
	H	18 28.3	10200	NS component only
	P	18 41 27		
	PP	18 44 53		
	PPS	18 53 55		
	SS	18 58 46		
	SSS	19 02 16		
	L	19 13		
	F	21 21		
		Saskatoon		
	H	18 28.3	9480	
	P	18 40 52		
	S	18 51 24		
	SS_{NW}	18 57 13		
	e_{NE}	19 02		
	e_{NW}	19 05.5		
	L^{NW}	19 09		
	F	21 45		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 2, 1946 to November 3, 1946 No. 86

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Halifax		
523 Nov. 2 cont'd	H	18 28.6	9450	
	P	18 41 08		
	S	18 51 39		
	SS	18 57.4		
	L	19 06		
	F	20 20		
		Seven Falls		
	H	18 28.6	9480	
	P	18 41 09		
	e	18 45 31		
	e	18 49.0		
	S	18 51 41		
	PS	18 53.2		
	SS	18 57.3		
	e	18 59 41		
	L	19 04		
	F	22 34		
		Shawinigan Falls		
	H	18 28.5	9720	
	P	18 41 16		
	PP	18 44 32		
	S	18 51 58		
	SS	18 57.5		
	L	19 11		
	F	19 50		
		Ottawa		
525 Nov. 3	H	19 32.6	7620	USCGS gives:
	P	19 43 36		$\phi = 0°$
	S	19 52 43		$\lambda = 16°$ W.
	SSS_N	20 00		
	L	20 04		
	F	20 50		
		Saskatoon		
	e	19 56 04		
	e	20 02 04		
	L	20 13		
	F	20 50		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 3, 1946 to November 4, 1946 No. 87

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Halifax		
525 Nov. 3 cont'd	H	19 32.8	6650	
	P_E	19 42 47		
	S_E	19 51 05		
	L	20 01		
	F	20 13		
		Seven Falls		
	H	19 32.7	7350	
	P	19 43 23		
	S	19 52 17		
	SSS	20 00.1		
	L	20 04		
	F	21 10		
		Shawinigan Falls		
	e	19 43 30		
	e	19 52.3		
	L	20 05		
	F	20 10		
		Seven Falls		
527 Nov. 4	e	20 03.7		
	L	20 14		
	F	20 25		
		Ottawa		
528 Nov. 4	H	21 47.8	9380	USCGS gives: ϕ = 40° N. λ = 53° E.
	P	22 00 18		
	PP	22 03 37		
	PPP	22 05 24		
	S	22 10 46		
	i	22 11 00		
	PS	22 11 42		
	SS	22 17.2		
	SSS_Z	22 20.5		
	i_N	22 22 36		
	L	22 29.5		
	F	0 07		
		Victoria		
	H	21 48.1	9920	NS component only
	P	22 01 00		
	PP	22 04 37		
	PPP	22 06 35		
	S	22 11 51		
	i	22 12 15		
	PPS	22 13 24		
	L	22 33		
	F	0 22		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 4, 1946 to November 7, 1946 No. 88

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
528 Nov. 4 cont'd	H	21 47.6	9500	
	P	22 00 11		
	PP	22 03 34		
	S	22 10 44		
	PS	22 11 40		
	eNE	22 17.4		
	L	22 28		
	F	0 32		
		Halifax		
	H	21 47.9	8650	
	P	21 59 52		
	PP	22 03 03		
	S	22 09 48		
	SS	22 15.3		
	L	22 24		
	F	23 28		
		Seven Falls		
	H	21 47.8	9000	
	P	22 00 03		
	PP	22 03 14		
	PPP	22 04 50		
	S	22 10 14		
	PS	22 10 50		
	SS	22 14.9		
	SSS	22 18.2		
	e	22 21.3		
	L	22 26		
	F	1 16		
		Shawinigan Falls		
	H	21 47.8	9100	
	P	22 00 07		
	S	22 10 22		
	PS	22 10 39		
	SS	22 15 07		
	SSS	22 20.1		
	L	22 25.4		
	F	23 17		
		Ottawa		
533 Nov. 7	e	18 11 42		
	L	18 17		
	F	18 19		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 7, 1946 to November 10, 1946 No. 89

NO. AND DATE	PHASE	TIME	DISTANCE	
		h m s	km.	
		Shawinigan Falls		
533 Nov. cont'd	e	18 11 48		
	I	18 17 33		
	F	18 21		
		Ottawa		
535 Nov. 8	H	11 41.3	330	
	P_{2Z}	11 42 13		
	S_{2Z}	11 42 51		
	F	11 44		
		Ottawa		
537 Nov. 10	H	17 43.0	5860	USCGS gives:
	P	17 52 16		ϕ = 9° S.
	PP_Z	17 54.3		λ = 77°.5 W.
	S	17 59 49		
	PS	18 00 14		
	SS	18 04.0		
	SSS_E	18 05 13		
	L	18 08.7		
	F	20 42		
		Victoria		
	H	17 43.0	7820	NS component only
	P	17 54 08		
	S	18 03 24		
	L	18 16		
	F	19 14		
		Saskatoon		
	H	17 42.8	7100	
	P	17 53 16		
	PPP	17 57 10		
	S	18 01 59		
	SS_{NE}	18 06 30		
	SSS	18 08 41		
	L	18 13		
	F	20 40		
		Halifax		
	H	17 43.1	5820	
	P	17 52 17		
	S	17 59 48		
	SS_E	18 03 19		
	SSS_E	18 05.5		
	L	18 08		
	F	18 31		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 10, 1946 to November 12, 1946 No. 90

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
537 Nov. 10 cont'd	H	17 43.1	6050	
	P	17 52 32		
	PPP	17 56 03		
	S	18 00 15		
	PS	18 01 07		
	SS	18 03 27		
	SSS	18 05.3		
	L	18 10		
	F	20 56		
		Shawinigan Falls		
	H	17 42.6	6350	
	P	17 52 21		
	PPP	17 55 32		
	S	18 00 21		
	PS	18 01 02		
	SS	18 04.5		
	L	18 10		
	F	18 38		
		Ottawa		
545 Nov. 12	H	5 57.0	5500	
	P_Z	6 05 47		
	S	6 13.0		
	L	6 22		
	F	7 20		
		Saskatoon		
	e	6 08.0		
	L	6 13		
	F	7 23		
		Seven Falls		
	e	6 13 39		
	e	6 17 27		
	L	6 24		
	F	8 08		
		Ottawa		
546 Nov. 12	e_Z	14 42 43		
	L	14 52		
	F	15 25		
		Saskatoon		
	H	14 35.1	1740	
	P	14 38 46		
	S	14 41 48		
	L	14 43		
	F	15 01		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 12, 1946 to November 12, 1946 No. 91

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
546 Nov. 12 cont'd	e	14 43.2		
	e	14 49 07		
	L	14 55		
	F	15 33		
		Shawinigan Falls		
	e	14 43 13		
	L	14 55		
	F	15 03		
		Ottawa		
547 Nov. 12	P	17 28.7	11800	USCGS gives: ϕ = 21° S. λ = 173° W.
	PP	17 47 12		
	e	17 55 26		
	PPS_E	17 57 16		
	SS	18 02.7		
	L	18 14		
	F	20 04		
		Victoria		
	H	17 28.9	8980	NS component only
	P	17 41 04		
	S	17 51 14		
	PS	17 52 00		
	L	18 06		
	F	19 36		
		Saskatoon		
	H	17 28.4	10200	
	P	17 41 31		
	PP_{NE}	17 45 11		
	S	17 52 33		
	e	18 06.4		
	L	18 12		
	F	19 05		
		Halifax		
	e_E	17 58.4		
	e_E	18 05.0		
	L	18 25		
	F	19 02		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 12, 1946 to November 19, 1946 No. 92

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
547 Nov. 12 cont'd	H	17 28.8	12500	
	PP	17 48 07		
	SKKS	17 54.0		
	PS	17 57 27		
	SS	18 04.0		
	SSS	18 11.2		
	L	18 22		
	F	20 22		
		Ottawa		
549 Nov. 14	H	11 34.2	3300	
	P	11 40 23		
	S	11 45 26		
	L	11 49		
	F	12 05		
		Saskatoon		
	e	11 44 40		
	e	11 52.7		
	L	11 57		
	F	12 25		
		Seven Falls		
	H	11 34.4	3540	
	P	11 40.9		
	S	11 46.2		
	F	12 43		
		Shawinigan Falls		
	e	11 40 29		
	L	11 52		
	F	12 01		
		Ottawa		
552 Nov. 17	H	3 04.3	1910	
	P_Z	3 08 17		
	S_Z	3 11 35		
	F	3 15		
		Ottawa		
555 Nov. 19	H	21 39.2	150	
	P_{2Z}	21 39 40		
	S_{2Z}	21 39 58		
	F	21 40.3		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM November 19, 1946 to November 30, 1946 No. 93

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
558 Nov. 21	e_Z	3 35 12		
	L	4 32		
	F	5 25		
		Saskatoon		
559 Nov. 22	e_{NW}	2 42 26		
	L	2 43		
	F	2 53		
		Ottawa		
561 Nov. 24	H	10 20.7	90	Cornwall, Ont.
	P_{1Z}	10 20 59.5		
	S_1	10 21 10		
	F	10 22.5		
		Shawinigan Falls		
	H	10 20.7	230	
	P_2	10 21 23		
	S_2	10 21 49		
	F	10 23		
		Ottawa		
563 Nov. 28	H	16 10.6	6900	
	P_Z	16 20 52		
	S_N	16 29 24		
	SSS_N	16 36.5		
	F	17 06		

W. W. Doppel.

EARTHQUAKE CORRELATION TABLE

November, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls.		Shawinigan	**
						M. S.	V. A.		
528	4	22 00+2 07U	22 01+2 21U	22 00+2 32U	22 00+1 28U	22 00+3 16U	22 00+1 27U	22 00+1 17U	D
529	4	22 18+0 0.5P*	.....	.....	.....	.....	.....	.....	..
530	4	22 27+0 0.5P*	.....	.....	.....	.....	.....	.....	..
531	6	.....	.....	.....	.....	.....	.....	20 10+0 01P	..
532	6	.....	.....	.....	.....	20 55+0 14I	.....	.....	..
533	7	18 12+0 07r	.....	.....	.....	.....	.....	18 12+0 10u	..
534	8	6 44+0 01P*	.....	.....	.....	.....	.....	.....	..
535	10	11 42+0 02v*	.....	.....	.....	.....	.....	.....	E
536	10	13 07+0 05P*	.....	.....	.....	.....	13 06+0 06P	13 07+0 07P	..
537	10	17 52+2 50U	17 54+1 20U	17 53+2 47U	17 52+0 39U	17 53+3 03U	17 53+0 50U	17 52+0 46U	F
538	10	19 00+0 0.4P*	.....	.....	.....	.....	.....	.....	..
539	10	20 00+0 01P*	.....	.....	.....	.....	.....	20 00+0 02P	..
540	10	.....	.....	.....	.....	21 11+0 27I	.....	.....	..
541	10	21 12+0 03P*	.....	.....	.....	.....	21 12+0 03P	21 12+0 05P	..
542	10	22 12+0 0.4P*	.....	.....	.....	.....	.....	.....	..
543	11	21 09+0 03P*	.....	.....	.....	21 33+0 14I	.....	.....	..
544	12	.....	.....	.....	.....	4 56+0 12I	.....	.....	..
545	12	6 06+1 14u	6 06+0 48L	6 08+1 15u	.....	6 14+1 55u	6 27+0 10I	.....	G
546	12	14 43+0 42u	14 37+0 18L	14 39+0 22r	14 59+0 05L	14 49+0 44u	14 43+0 38u	14 43+0 20u	H
547	12	17 47+2 17u	17 41+1 55u	17 42+1 23u	17 58+1 04u	17 48+2 34u	17 48+1 21u	18 18+0 17L	I
548	13	11 18+0 0.2P*	.....	.....	.....	.....	.....	.....	..
549	14	11 40+0 25r	12 01+0 20L	11 45+0 40u	.....	11 46+0 57I	11 41+0 08r	11 40+0 21r	J
550	14	.....	.....	.....	.....	.....	.....	16 43+0 02P	..
551	16	.....	.....	.....	.....	12 58+0 19I	.....	.....	..
552	17	3 08+0 07r*	.....	.....	.....	.....	3 12+0 04P	.....	K
553	17	.....	.....	.....	.....	22 58+0 04I	.....	.....	..
554	18	14 46+0 44L	.....	.....	.....	14 21+1 25I	.....	.....	..
555	19	21 40+0 01v*	.....	.....	.....	.....	.....	.....	L
556	20	5 34+0 01P*	.....	.....	.....	.....	.....	.....	..

EARTHQUAKE CORRELATION TABLE

November, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls.		Shawinigan	**
						M. S.	W. A.		
557	21	1 54+0 01P*	.....	.....	.....	.....	.....	.....	..
558	21	3 35+1 50u	4 21+0 07L	4 21+0 37L	.....	4 05+1 23L	.....	.....	..
559	22	.....	2 47+0 04L	2 42+0 11r	.....	.....	.....	.....	..
560	22	.....	.....	.....	.....	.....	.....	19 40+0 04P	..
561	24	10 21+0 02d	.....	.....	.....	.....	.....	10 21+0 02v	M
562	27	9 26+0 01P*	.....	.....	.....	.....	.....	.....	..
563	28	16 21+0 45u	16 13+0 04P	.....	.....	16 17+1 06u	.....	.....	N
564	29	11 42+0 03P*	.....	.....	.....	12 05+0 12L	.....	11 42+0 04P	..
565	30	0 55+0 03P*	.....	.....	.....	.....	0 56+0 03P	0 56+0 03P	..

EARTHQUAKE CORRELATION TABLE

November, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						M. S.	W. A.		
500	1	11 25+2 41U	11 21+2 03R	11 22+2 52R	11 25+1 42U	11 25+3 54U	11 25+1 15U	11 25+1 05U	A
501	1	11 40+0 02P*	.....	.....	.....	.....	11 40+0 04P	11 40+0 05P	..
502	1	11 53+0 02P*	.....	.....	.....	.....	11 53+0 03P	11 53+0 05P	..
503	1	11 59+0 01P*	.....	.....	.....	.....	.....	.....	..
504	1	12 16+0 0.5P*	.....	.....	.....	.....	.....	.....	..
505	1	12 19+0 01P*	.....	.....	.....	.....	.....	.....	...
506	1	12 20+0 02P*	.....	.....	.....	.....	12 21+0 03P	12 20+0 04P	..
507	1	12 23+0 02P*	.....	.....	.....	.....	.....	.....	..
508	1	12 32+0 01P*	.....	.....	.....	.....	.....	.....	..
509	1	12 52+0 01P*	.....	.....	.....	.....	.....	.....	..
510	1	13 01+0 01P*	.....	.....	.....	.....	.....	.....	..
511	1	13 12+0 0.2P*	.....	.....	.....	.....	.....	.....	..
512	1	13 27+0 01P*	.....	.....	.....	.....	.....	13 27+0 04P	..
513	1	13 53+0 0.4P*	.....	.....	.....	.....	.....	.....	..
514	1	15 58+0 0.5P*	.....	.....	.....	16 07+0 09I	.....	.....	..
515	1	19 14+0 01P*	.....	.....	.....	.....	.....	.....	..
516	1	19 47+0 01P*	.....	.....	.....	.....	.....	.....	..
517	1	20 28+0 01P*	.....	.....	.....	.....	.....	.....	..
518	1	20 36+0 01P*	.....	.....	.....	.....	.....	.....	..
519	1	.....	.....	.....	.....	21 02+0 25I	.....	.....	..
520	1	23 04+0 0.4P*	.....	.....	.....	.....	.....	.....	..
521	2	14 23+0 04P*	.....	.....	.....	.....	14 23+0 04P	14 23+0 12P	..
522	2	14 40+0 0.4P*	.....	.....	.....	14 42+0 58u	.....	.....	..
523	2	18 41+2 54U	18 41+2 40U	18 41+3 04U	18 41+1 39U	18 41+3 53U	18 41+1 22U	18 41+1 09U	B
524	3	5 08+0 01P*	.....	.....	.....	.....	.....	.....	..
525	3	19 44+1 06u	20 19+0 20L	19 56+0 54u	19 43+0 30u	19 43+0 27u	19 43+0 30u	19 43+0 27u	C
526	4	20 12+0 01P*	.....	.....	.....	.....	.....	.....	..
527	4	.....	.....	.....	.....	20 04+0 21u	.....	.....	..

November, 1946

N O T E S

A :	Ottawa	Δ =	6,550 km.	H = 11^h14^m7 U.T.
	Victoria	Δ =	3,570 km.	H = 11 14:4 U.T.
	Saskatoon	Δ =	4,350 km.	H = 11 14:2 U.T.
	Halifax	Δ =	7,140 km.	H = 11 14:9 U.T.
	Seven Falls	Δ =	6,790 km.	H = 11 14:5 U.T.
	Shawinigan Falls	Δ =	6,650 km.	H = 11 14.7 U.T.
B :	Ottawa	Δ =	9,870 km.	H = 18^h28^m5 U.T.
	Victoria	Δ =	10,200 km.	H = 18 28:3 U.T.
	Saskatoon	Δ =	9,480 km.	H = 18 28:3 U.T.
	Halifax	Δ =	9,450 km.	H = 18 28:6 U.T.
	Seven Falls	Δ =	9,480 km.	H = 18 28:6 U.T.
	Shawinigan Falls	Δ =	9,720 km.	H = 18 28.5 U.T.
C :	Ottawa	Δ =	7,620 km.	H = 19^h32^m6 U.T.
	Halifax	Δ =	6,650 km.	H = 19 32:8 U.T.
	Seven Falls	Δ =	7,350 km.	H = 19 32.7 U.T.
D :	Ottawa	Δ =	9,380 km.	H = 21^h47^m8 U.T.
	Victoria	Δ =	9,920 km.	H = 21 48:1 U.T.
	Saskatoon	Δ =	9,500 km.	H = 21 47:6 U.T.
	Halifax	Δ =	8,650 km.	H = 21 47:9 U.T.
	Seven Falls	Δ =	9,000 km.	H = 21 47:8 U.T.
	Shawinigan Falls	Δ =	9,100 km.	H = 21 47.8 U.T.
E :	Ottawa	Δ =	330 km.	H = 11^h41^m3 U.T.
F :	Ottawa	Δ =	5,860 km.	H = 17^h43^m0 U.T.
	Victoria	Δ =	7,820 km.	H = 17 43:0 U.T.
	Saskatoon	Δ =	7,100 km.	H = 17 42:8 U.T.
	Halifax	Δ =	5,820 km.	H = 17 43:1 U.T.
	Seven Falls	Δ =	6,050 km.	H = 17 43:1 U.T.
	Shawinigan Falls	Δ =	6,350 km.	H = 17 42.6 U.T.
G :	Ottawa	Δ =	5,500 km.	H = 5^h57^m0 U.T.
H :	Saskatoon	Δ =	1,740 km.	H = 14^h35^m1 U.T.
I :	Ottawa	Δ =	11,800 km.	H = 17^h28^m7 U.T.
	Victoria	Δ =	8,980 km.	H = 17 28:9 U.T.
	Saskatoon	Δ =	10,200 km.	H = 17 28:4 U.T.
	Seven Falls	Δ =	12,500 km.	H = 17 28.8 U.T.
J :	Ottawa	Δ =	3,300 km.	H = 11^h34^m2 U.T.
	Seven Falls	Δ =	3,540 km.	H = 11 34.4 U.T.
K :	Ottawa	Δ =	1,910 km.	H = 3^h04^m3 U.T.
L :	Ottawa	Δ =	150 km.	H = 21^h39^m2 U.T.
M :	Ottawa	Δ =	90 km.	H = 10^h20^m7 U.T.
	Shawinigan Falls	Δ =	230 km.	H = 10 20.7 U.T.
N :	Ottawa	Δ =	6,900 km.	H = 16^h10^m6 U.T.

Dominion Observatory,

OTTAWA, CANADA

March 6, 1947.

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, , OTTAWA

FROM December 1, 1946 to December 19, 1946 No. 94

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
568 Dec. 7	i_Z	17 36 53		
	e_Z	17 38 01		
	e_N	17 55		
	L	18 02		
	F	18 13		
		Ottawa		
572 Dec. 10	H	21 02.6	150	
	P_2	21 03 04		
	S_2	21 03 21		
	F	21 03.9		
		Ottawa		
579 Dec. 18	e_Z	0 33 18		
	L	0 50		
	F	1 07		
		Ottawa		
583 Dec. 19	H	2 57	12,200	
	PP_N	3 16.0		
	SKS	3 22.0		
	PS	3 25 10		
	SS_N	3 31 26		
	SSS_N	3 36		
	L	3 47		
	F	4 23		
		Saskatoon		
	H	2 56.8	10,100	
	P	3 09 51		
	SKS_{NW}	3 20 15		
	SKS	3 20 44		
	L	3 42		
	F	4 21		
		Seven Falls		
	e	3 23.4		
	L	3 42		
	F	4 31		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM December 19, 1946 to December 20, 1946 No. 95

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
585 Dec. 20	H	19 19.0	10,840	USCGS gives:
	P	19 32 36		ϕ = 33°3 N.
	PP	19 36 36		λ = 134° W.
	SPS	19 43 12		
	SPS_N	19 43 48		
	S	19 44 04		
	PS	19 45 27		
	PPS	19 46 00		
	SS	19 50 42		
	SSS_N	19 55.0		
	SSSS	19 59.8		
	L	20 05		
	F	0 42		
		Victoria		
	H	19 19.1	7,900	NS component only
	P	19 30 19		
	S	19 39 39		
	PS	19 40 12		
	SS	19 44 15		
	SSS	19 46.8		
	L	19 59		
	F	23 23		
		Saskatoon		
	H	19 19.2	8,700	
	P	19 31 09		
	PP_{NW}	19 34 14		
	PPP	19 36 00		
	S	19 41 07		
	PS_{NW}	19 41 55		
	SS	19 46 28		
	SSS	19 49 18		
	SSSS	19 52 28		
	L	19 56		
	F	0 15		
		Halifax		
	e	19 44.6		EW component only
	e	19 51.5		
	e	19 59.1		
	e	20 03		
	L	20 13		
	F	22 26		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM December 20, 1946 to December 21, 1946 No. 96

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
585 Dec. 20 (cont'd)	H	19 19.3	10,800	
	P	19 32 43		
	PP	19 36 31		
	PPP	19 38 33		
	SKS	19 43 16		
	S	19 44 04		
	PPS	19 45 55		
	SS	19 50 35		
	SSS	19 54.4		
	SSSS	19 58.9		
	L	20 07		
	F	1 09		
		Shawinigan Falls		
	H	19 19.1	10,850	
	P	19 32 42		
	PP	19 36 32		
	SKS	19 43 05		
	S	19 44 10		
	PS	19 45 24		
	PPS	19 46 01		
	SS	19 51		
	SSS	19 55		
	SSSS	20 00		
	L	20 04		
	F	22 25		
		Seven Falls		
586 Dec. 21	e	4 01.9		
	L	4 18		
	F	5 18		
		Ottawa		
587 Dec. 21	H	10 19.0	9,050	USCGS gives:
	P_N	10 31 12		ϕ = 44° N.
	S	10 41 25		λ = 148° W.
	SS	10 47.5		
	e	10 56		
	L	11 00		
	F	14 02		
		Victoria		
	e	10 36 02		
	e	10 42.8		
	L	10 47		
	F	12 25		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM December 21, 1946 to December 21, 1946 No. 97

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Saskatoon		
587 Dec. 21 (cont'd)	H	10 19.1	6,960	
	P_{NW}	10 29 28		
	S	10 38 03		
	SS	10 42.3		
	e_{NE}	10 45.3		
	L	10 50		
	F	14 16		
		Halifax		
	e	10 42.2		NW component only
	e	10 48.0		
	L	10 54		
	F	12 11		
		Seven Falls		
	H	10 18.8	9,170	
	P	10 31 08		
	S	10 41 26		
	SS	10 47 23		
	e	10 52 15		
	e	10 53.2		
	L	10 59		
	F	14 33		
		Shawinigan Falls		
	H	10 18.8	9,180	
	P	10 31 12		
	S	10 41 31		
	SS	10 48		
	L	11 03		
	F	11 41		
		Ottawa		
588 Dec. 21	H	19 48.8	9,140	
	P	20 01 06		
	S	20 11 23		
	L	20 26		
	F	22 17		
		Saskatoon		
	H	19 49.0	7,000	
	P	19 59 24		
	S	20 08 01		
	SS	20 12.9		
	L	20 20		
	F	22 10		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM December 21, 1946 to December 25, 1946 No. 98

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Seven Falls		
588 Dec. 21 (cont'd)	H	19 49.0	9,030	
	P	20 01 11		
	PP	20 04.4		
	e	20 07 18		
	S	20 11 23		
	e	20 22.4		
	L	20 28		
	F	23 15		
		Shawinigan Falls		
	H	19 48.8	9,080	
	P	20 01 07		
	PP	20 04 25		
	S	20 11 21		
	L	20 39		
	F	20 53		
		Ottawa		
590 Dec. 23	H	22 15.8	150	
	P_{2Z}	22 16 11.5		
	S_{2Z}	22 16 28.5		
	F	22 16.8		
		Ottawa		
592 Dec. 24	e_Z	16 50 03		
	L	17 20		
	F	17 49		
		Ottawa		
593 Dec. 25	H	4 48.0	90	Cornwall, Ont.
	P_{1Z}	4 48 16.5		
	S_{1Z}	4 48 27		
	F	4 49.4		
		Ottawa		
594 Dec. 25	e_Z	11 23 34		
	L	11 45		
	F	12 05		
		Seven Falls		
	e	11 23 42		
	L	11 45		
	F	12 04		

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM December 25, 1946 to December 31, 1946 No. 99

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Ottawa		
597 Dec. 28	e_Z	1 03 53		
	e_Z	1 08 49		
	L	1 11		
	F	1 27		
		Seven Falls		
	e	1 03 53		
	L	1 09.3		
	F	1 29		
		Shawinigan Falls		
	e	1 03 55		
	L	1 09 17		
	F	1 17		
		Ottawa		
599 Dec. 28	e_Z	10 21 44		
	L	10 55		
	F	11 11		
		Seven Falls		
	e	10 21.8		
	L	10 54		
	F	11 13		

W. W. Doxsee.

EARTHQUAKE CORRELATION TABLE

December, 1946

No.	Date	Ottawa	Victoria	Saskatoon	Halifax	Seven Falls		Shawinigan	**
						N. S.	W. A.		
566	4	21 59+0 02P*	.....	.....	.....	.....	.....	.....	..
567	4	23 45+0 40L	23 38+0 26L	.....	.....	23 45+0 25I	.....	.....	..
568	7	17 37+0 36u	.....	.....	.....	.....	.....	.....	..
569	8	12 26+0 04P*	.....	.....	.....	.....	.....	12 26+0 03P	..
570	10	4 17+0 09L	.....	.....	.....	4 18+0 07I	.....	4 18+0 04I	..
571	10	7 35+0 01P*	.....	.....	.....	.....	.....	.....	..
572	10	21 03+0 01v*	.....	.....	.....	.....	.....	.....	A
573	11	.....	.....	.....	.....	.....	.....	12 50+0 03P	..
574	11	.....	.....	.....	.....	.....	.....	13 21+0 05P	..
575	13	.....	.....	14 00+0 04I	.....	.....	.....	.....	..
576	17	3 27+0 01P*	.....	.....	.....	.....	3 26+0 03P	3 27+0 05P	..
577	17	22 59+0 0.5P*	.....	.....	.....	.....	.....	.....	..
578	17	.....	.....	.....	.....	.....	.....	23 20+0 03P	..
579	18	0 33+0 34u	.....	0 38+0 15L	.....	0 50+0 19I	0 33+0 04P	0 33+0 04P	..
580	18	.....	.....	.....	.....	2 49+1 15I	.....	.....	..
581	18	14 38+0 09I	.....	14 29+0 06I	.....	14 43+0 04I	.....	.....	..
582	19	.....	.....	.....	.....	1 39+0 40I	.....	.....	..
583	19	3 16+1 07u	3 20+0 02P	3 10+1 11u	.....	3 23+1 08u	.....	.....	B
584	20	.....	.....	.....	.....	7 51+0 04I	.....	.....	..
585	20	19 33+5 09U	19 30+3 53U	19 31+4 44U	19 45+2 41U	19 33+5 36U	19 33+3 01U	19 33+2 52U	C
586	21	4 22+0 54L	.....	4 13+0 31L	.....	4 02+1 16u	.....	3 52+0 04P	..
587	21	10 31+3 31u	10 36+1 49u	10 29+3 47u	10 42+1 29u	10 31+4 02u	10 31+2 29u	10 31+1 10u	D
588	21	20 01+2 16u	20 13+0 22L	19 59+2 11u	.....	20 01+3 14u	20 01+1 11u	20 01+0 52u	E
589	22	.....	.....	.....	.....	14 14+0 19L	.....	.....	..
590	23	22 16+0 0.6v*	.....	.....	.....	.....	.....	.....	F
591	24	4 55+0 38L	.....	.....	.....	4 56+1 10L	.....	.....	..
592	24	16 50+0 59u	.....	.....	.....	17 20+0 35I	.....	.....	..
593	25	4 48+0 01d*	.....	.....	.....	.....	4 50+0 01v	4 49+0 01v	G
594	25	11 24+0 41u	.....	.....	.....	11 45+0 19I	11 24+0 05P	11 24+0 10P	..
595	26	.....	.....	.....	.....	17 55+1 01L	.....	.....	..
596	26	19 45+0 01P*	.....	.....	.....	.....	.....	19 45+0 03P	..
597	28	1 04+0 23r	.....	1 20+0 10L	.....	1 09+0 20I	1 04+0 13r	1 04+0 13r	..
598	28	.....	.....	.....	.....	.....	1 26+0 03P	1 26+0 04P	..
599	28	10 22+0 49u	.....	10 45+0 07L	.....	10 54+0 [illegible]	10 22+0 03P	10 22+0 03P	..
600	30	11 21+0 02P*	.....	.....	.....	.....	.....	.....	..

CORRELATION OF EARTHQUAKES

December, 1946

N O T E S

A :	Ottawa	Δ = 150 km.	H = 21^h02^m6 U.T.
B :	Ottawa	Δ = 12,200 km.	H = 2^h57^m U.T.
	Saskatoon	Δ = 10,100 km.	H = 2 56.8 U.T.
C :	Ottawa	Δ = 10,840 km.	H = 19^h19^m0 U.T.
	Victoria	Δ = 7,900 km.	H = 19 19:1 U.T.
	Saskatoon	Δ = 8,700 km.	H = 19 19:2 U.T.
	Seven Falls	Δ = 10,800 km.	H = 19 19:3 U.T.
	Shawinigan Falls	Δ = 10,850 km.	H = 19 19.1 U.T.
D :	Ottawa	Δ = 9,050 km.	H = 10^h19^m0 U.T.
	Saskatoon	Δ = 6,960 km.	H = 10 19:1 U.T.
	Seven Falls	Δ = 9,170 km.	H = 10 18:8 U.T.
	Shawinigan Falls	Δ = 9,180 km.	H = 10 18.8 U.T.
E :	Ottawa	Δ = 9,140 km.	H = 19^h48^m8 U.T.
	Saskatoon	Δ = 7,000 km.	H = 19 49:0 U.T.
	Seven Falls	Δ = 9,030 km.	H = 19 49:0 U.T.
	Shawinigan Falls	Δ = 9,080 km.	H = 19 48.8 U.T.
F :	Ottawa	Δ = 150 km.	H = 22^h15^m8 U.T.
G :	Ottawa	Δ = 90 km.	H = 4^h48^m0 U.T.

Dominion Observatory,

OTTAWA, CANADA

March 7, 1947.

SEISMOLOGICAL BULLETINS RECEIVED

We acknowledge, with thanks, the receipt of the following seismological publication and bulletins:-

STATIONS	BULLETINS	RECEIVED
	November, 1946	
Trieste	August, 1946	November 4
Firenze	August, 1946	" 4
Wellington	Year 1940, January, February, March, 1941, August, 1946	" 15
De Bilt	August, September, 1946	" 15
Santa Clara	October, 1946	" 15
Ksara	July, August, 1946	" 18
Pasadena	Locals January - March, 1946; Preliminary March, 1946	" 21
Rome	September, 1946	" 23
Brisbane	September, 1946	" 25
Moscow	July, August, September, 1946	" 28
Wellington	September, 1946, April, May, June, 1941	" 29
	December, 1946	
Weston	Preliminaries September, October, November, 1946	December 6
Zurich	August, September, October, 1946	" 16
Santa Clara	November, 1946	" 16
Firenze	September, October, 1946	" 16
Triests	September, 1946	" 16
Strasbourg	July, 1946	" 18
Bureau Central	Year 1946, Bulletin No. 5	" 18
Bogota	May, June, July, 1946	" 19
UCCLE	January - October, 1946	" 19
Moscow	September, 1946	" 19
Pasadena	January - March, 1946	" 19
Pasadena	Preliminary September - November, 1946	" 19
Perth	July, August, September, 1946	" 23
Sofia	January - December, 1946	" 23
La Plata	Year 1940, January - June, 1946	" 27
Rome	October, 1946	" 28

DOMINION OBSERVATORY,

OTTAWA - CANADA.

SEISMOLOGICAL SERVICE OF CANADA

DOMINION OBSERVATORY, OTTAWA

FROM October 26, 1946 to October 30, 1946 No. 82

NO. AND DATE	PHASE	TIME	DISTANCE	REMARKS
		h m s	km.	
		Victoria		
490	e	0 43.7		
Oct.	e	0 54.4		
26	e	1 06		
(cont'd)	L	1 21		
	F	1 56		
		Saskatoon		
	E	0 21 ca	13800	
	PP	0 41 23		
	e	0 54		
	SS_{NW}	0 58.6		
	SSS	1 02.9		
	e	1 07		
	L	1 18		
	F	2 29		
		Seven Falls		
	e	0 40.9		
	e	0 49 37		
	e	0 55.9		
	L	1 07		
	F	4 04		
		Ottawa		
495	E	20 37.4	170	
Oct.	P_2	20 37 53		
28	S_2	20 38 12.5		
	F	20 39		
		Ottawa		
498	E	7 47.7	5940	USCGS gives:
Oct.	P	7 57 01		ϕ = 54° N.
30	PP_N	7 59.1		λ = 164° W.
	S	8 04 38		
	i	8 04 58		
	e	8 06 48		
	SS	8 08 30		
	L	8 13.5		
	F	10 07		
		Victoria		
	E	7 47.7	2850	
	P	7 53 15		
	S	7 57 47		
	SS	7 58 51		
	L	8 01.0		
	F	10 00		