VICTORIA, B.C.

1928

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical Period 12 seconds.
Magnification, 250
Damping 20-1

No. and Date	Phase	Time	Period	Amplitude			Δ	Remarks
				A_N	A_E	A_Z		
		h. m. s.	s.	μ	μ	μ		
JANUARY	1928.							
1st.	0	9-25-33						
	PEN	9-33-07	5					
	SEN	9-39-07	8-10					
	LN	9-45-22	20					
	LE	9-46-35	20					
	ME	9-47-16	18		17		4220	
	MN	9-47-37	20	244				
4th	0	21-42-00						
	PN	21-49-31	6					
	SN	21-55-28	18					EW component, not recording properly
	LN	22 -02-48	30					
	MN	22-03-15	35	17			4180	
	FN	22-30-53						
6th.	0	19-39-20						
	PN	19-53-20	8					
	SN	20-05-10	12					
	LN	20-30-40	40					
	MN	20-51-40	20	29			11,210	
	FN	22-14-50						
9th.	LN	13-35-47	14					
	MN	13-40-59	14	3				
	FN	13-50-47						
10th.	LN	3-14-00	14					
	MN	3-47-00	15	4				
	FN	~~13~~-51-00						
12th.	LN	13-53-31	12					
	MN	13-55-09	14	4				
	FN	14-14-59						
18th.	PN	12-43-32	10					
	LN	13-02-20	20					
	MN	13-03-00	15	3				
	FN	13-18-00						
20th.	LN	4-22-44	20					
	MN	4-25-29	20	20				
	FN	4-30-59						
24th	P&LE	17-25-39	1					
	ME	17-25-41	1		.5			Felt at Abbotsford, B.C.
	P&LN	17-25-40	1					
	FE	17-25-56						
25th.	LE	1-39-07	20					
	ME	1-39-45	10		4			
	FE	1-44-05						

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

No. and Date	Phase	Time	Period	Amplitude			Δ	Remarks
				A_N	A_E	A_Z		
		h. m. s.	s.	μ	μ	μ		
January	1928, continued.							
25th.	LE	2-28-55	10					
	ME	2-29-45	10		8			
	FE	2-36-05						
25th.	LE	21-28-16	20					
	ME	21-28-44	14		4			
	FE	21-36-04						
26th.	Record of quake, but time indentification missing.							
29th.	PE	0-12-02	8					
	LE	0-21-44	14					
	ME?	0-27-52	14		2			
	FE	0-56-02						
30th	PE	3-35-26	5					
	LE	4-32-13	40					
	ME	4-52-51	20		6			
	FE	5-26-01						

F.Napier Denison,
Seismologist.

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24' N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

PERIOD 12 seconds.
MAGNIFICATION 250
DAMPING 20-1

No. and Date	Phase	Time	Period	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks
FEBRUARY 1928.		h. m. s.	s.	μ	μ	μ		
2nd.	PEN	0-14-50	3					
	LE	0-15-18	6					
	ME	0-15-25	8		3			
	FE	0-20-00						
2nd.	PEN	10-50-14	2-3					
	MEN	12-50-19	3	2	2			Felt at Everett
	FE	12-52-00					45	and adjacent points.
3rd	0	13-49-40						
	PEN	13-57-38	7					
	SE	14-03-56	10					
	SN	14-04-58	10					
	LE	14-10-33	40					
	ME	14-22-19	19		10		4560	
	FE	14-57-58						
4th.	PE	6-34-19	7					
	LE	6-51-52	30					
	ME	6-58-27	20		6			NS component too
	FE	7-27-57						small to measure.
6th.	LE	4-37-46	35		2			NS very indefinite
	FE	4-50-56						and masked by micros
7th	LE	0-54-13	50					
	LN	0-55-15						
	MN	1-06-15	35	25				
	ME	1-09-15	30		31			
	FE	1-47-55						
9th	PE	11-03-35	1				40	
	PN	11-03-37	1				30	Felt at Tatoosh,
	LE	11-03-39	4					Pachena, Alberai,
	LN	11-03-40	4					Victoria & Vancouver.
	MEN	11-04-04	4	6	13			
	FEN	11-06-55						
10th	0	4-28-27						
	PEN	4-45-35	5&8					
	SE	4-51-15	8					
	SN	4-51-17	12					
	LN	4-56-27	35					
	LE	4-57-15	30					
	MN	4-59-30	20	30				
	ME	5-01-50	20		35		3870	
	FE	5-34-55						
13th	PE	5-56-01	5					
	LE	6-12-35	20					
	ME	6-15-15	20		4		NS component too small	
	FE	6-39-53						to measure.
17th.	PE	13-04-04	5					
	LE	13-20-31	30					
	ME	13-22-21	30		9			
	FE	13-43-01						

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

No. and Date	Phase	Time	Period	Amplitude			Δ	Remarks
				A_N	A_E	A_Z		
FEBRUARY, continued.		h. m. s.	s.	μ	μ	μ		
17th.	O	23-29-01						
	PN	23-37-33	8					
	SN	23-44-19	10					
	LN	23-56-31	20					
	MN	23-57-11	15	1			5070	
	FN	6-05-01						
19th.	O	21-09-24						
	PEN	21-13-54	8&5					
	SEN	21-17-31	12					
	LEN	21-19-19						
	ME	21-19-59	20		12		2160	
	FN	21-28-21						
21st.	LEN	11-46-45	10					
	MEN	11-50-27	10	2	2			
	FE	11-57-57						
21st.	O	19-48-57						
	PEN	19-55-26	8					
	SN	20-00-30	12				ON	19h49m04s
	SE	20-00-34	12					
	LE	20-04-38	30					
	ME	20-06-36	12		94		3360	
	MN	20-06-36	15	111				
	FN	21-50-56						
24th	O	14-12-19						
	PE	14-17-41	8					
	SE	14-21-58	12					
	LE	14-26-02	22					
	ME	14-29-10	12		17		2650	
	FE	15-29-50						
25th	LE	1-07-22	10					
	ME	1-07-32	10		1			NS too small to measure
	FE	1-14-50						
25th	LE	11-41-08	20					
	ME	11-42-25	20		3			
	FE	11-53-49						NS component too small to measure.
26th.	PE	1-26-33	5					O from EW 1h 21m 32s.
	PN	1-26-38	5					O from NS 1h21m41s.
	SE	1-30-34	15					
	SN	1-30-36	15					
	LE	1-34-52	30					
	ME	1-38-00	15		71		2450	Alaska
	MN	1-39-58	18	100				
	FN	3-30-08						

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

No. and Date	Phase	Time	Period	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks
FEBRUARY, 1928.		continued.	s.	μ	μ	μ		
28th.	PEN	2-24-59	6					
	LN	2-28-49	25					
	LE	2-29-34	25					
	ME	2-29-34	25		5			
	FN	2-34-59						
29th	PEN	22-35-48	8					
	LE	22-57-36	30					
	ME	23-05-56	18		3			
	FE	23-57-58						
29th	PEN	22-42-38	3					
	LE	22-42-46	8					
	MEN	22-42-56	9&10	2	2		70	May be local under Fuca, not feldt here.
	F	22-44-58						

F. Napier Denison,
Seismologist.

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Verti[illegible]

Period 12 seconds.
Magnification 250
Damping 20-1.

No. and Date	Phase	Time	Period	Amplitude A N	Amplitude A E	Amplitude A Z	Δ	Remarks
MARCH 1928.		h. m. s.	s.	μ	μ	μ		
7th	PE	10-18-15	5					
	PN	10-18-25	8					
	LN	10-39-43	30					
	LE	10-38-55	30					
	ME	10-46-05	20		4			FE 10h 53m 55s
7th.	O	22-59-34						
	PEN	23-06-33	8					
	SE	23-12-05	10					
	LE	23-22-45	40					
	ME	23-29-03	30		7		3740	
	FE	24-07-55						
9th.	PE	11-18-12	8					
	LE	11-39-47	30					
	ME	11-46-12	20		4			Clock on NS stopped.
	FE	12-01-12						
9th.	O	18-11-07						
	PEN	18-24-52	8					
	SE	18-36-29	15					
	SN	18-36-22	15					O from NS at 18h11m15s
	LE	18-58-50	50					
	M1E	19-01-42	50		400		10,900	
	MN	19-10-07	30	137			10-740	
	M2E	19-11-55	30		209			
	FE	22-05-52						
13th	O	18-31-58						
	PE	18-44-41	5					
	SE	18-55-21	15					
	LN	19-09-18	30					
	LE	19-12-38	35					
	ME	19-13-51	30		31		9600	
	FE	20-25-03						
17th	O	5-01-54						
	PEN	5-14-21	12&10					
	SE	5-24-55	15					
	SN	5-24-51	14					O from NS 5h 01m 49s.
	LE	5-43-51	30					
	LN	5-43-41	30					
	ME	5-53-31	20		169		9280	
	MN	6-03-41	15	100	9390		9390	
	FE	9-44-01						
17th.	LE	15-53-29	30					
	ME	15-58-39	20		3			
	FE	16-09-59						NS component too small to measure.
18th.	PEN	3-25-58	10&8					
	LEN	3-45-23	30					
	ME	3-54-08	20		9			
	FE	5-40-58						
18th.	PE	12-22-58	8					
	LE	12-42-38	30					
	ME	12-50-03	20		7			
	FE	14-40-58						

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

No. and Date	Phase	Time	Period	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks
MARCH 1928 (continued)				μ	μ	μ		
18th	LE	21-45-26	20					
	ME	22-03-06	18		2			
	FE	22-20-16						
22nd.	O	4-16-43						
	PE	4-24-29	12					
	PN	4-24-32	10					
	SEN	4-30-39	20			0	from NS,	at 4h 16m 49s.
	LN	4-35-29	30					
	LE	4-35-58	40					
	MN	4-41-09	18	634			4350	
	ME	4-43-29	20		1000		4390	
	FE	8-44-59						
23rd.	LEN	6-55-59	10					
	ME	6-57-24	10		1			
	FE	7-03-59						
23rd	LE	20-48-50	20					
	ME	20-56-48	20		2			
	FE	21-04-58						
26th	PE	5-51-36	8					
	LE	6-13-56	30					
	ME	6-16-42	25		12			
	FE	6-44-56						
26th	LE	7-30-56	30					
	ME	7-33-06	25		6			
	FE	7-54-56			NS component too small to measure			
26th	LE	8-54-36	30					
	ME	8-56-26	25		5			
	FE	9-05-56			NS too small to measure. Large micros on 26th & 27th.			
29th.	O	5-06-00						
	PE	5-16-48	8					
	PN	5-16-52	8					
	SE	5-25-36	10					
	SN	5-25-46	10			0	from NS	5h 05m 58s.
	LE	5-33-10	15					
	LN	5-36-01	40					
	MN	5-36-41	35	17			7480	
	ME	5-37-21	18		7		7380	
	FE	7-03-36						
31st.	SE	?0-53-5?	5					
	LE	1-11-05	40					
	ME	1-17-37	2		17			
	FE	1-54-15			Clock stopped on NS component			

F. Napier Denison,
Seismologist.

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT.

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical.

PERIOD 12 seconds.
MAGNIFICATION 250
DAMPING 20-1.

No. and Date APRIL 1928.	Phase	Time	Period	Amplitude A N	Amplitude A E	Amplitude A Z	Δ	Remarks
		h. m. s.	s.	μ	μ	μ		
3rd.	LE	1-53-50	20					
	ME	1-56-00	20		4			
	FE	1-59-40						
3rd.	PE	17-11-49	8					
	LE	17-38-19	20					
	ME	17-40-49	20		6			
	FE	18-09-22						
9th.	O	17-34-17						
	PE	17-46-11	5					
	PN	17-46-13	5					
	SEN	17-56-03	10					
	LN	18-08-55	40					
	LE	18-10-35	40					
	ME	18-16-15	20		23		8640	O from NS
	MN	18-20-15	22	45			8600	at 17h 34m 21s.
	F	20-33-55						
10th	LE	6-33-36	10					
	ME	6-37-06	10		3			
	FE	6-47-56						NS clock stopped.
12th	LE	18-57-37	18					
	ME	18-57-53	18		3			
	FE	19-13-57						NS clock stopped.
13th	O	23-16-00						
	PEN	23-23-46	8-6					
	SEN	23-29-56	12-10					
	LN	23-36-36	25					
	LE	23-37-12	20					
	MEN	23-39-01	12-18	129	63		4390	
	FE	1-15-56						
14th	O	8-59-59						
	PE	9-12-41	5					
	SE	9-23-20	10					
	PN	9-12-38	5					O from NS at 9h00m07s
	SN	9-23-07	10					
	LE	9-36-55	40					
	LN	9-39-06	50					
	MN	9-46-05	30	44			9370	
	ME	9-47-07	22		38		9590	
	FE	12-10-55						
15th.	PE	22-00-07	5					
	LE	22-01-40	10					
	ME	22-03-15	20		8			
	FE	22-17-55						
17th.	O	3-24-57						
	PN	3-32-25	5					
	PE	3-32-41	5					
	SN	3-38-21	10					O from EW at 3h25m16
	SE	3-38-34	10					
	LN	3-43-21	20					
	LE	3-46-41	30					
	MN	3-48-21	12	11			411	
	ME	3-50-59	18		40		41(	

500-6-20-28

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

No. and Date	Phase	Time	Period	Amplitude			Δ	Remarks
				A_N	A_E	A_Z		
APRIL, 1928. (continued)		h. m. s.	s.	μ	μ	μ		
18th	PE	3-56-55	5					
	LE	3-59-30	20					
	ME	4-02-00	15		8			
	FE	4-25-00						
18th.	O	19-23-07						
	PN	19-35-34	5					
	PE	19-35-38	5				0	from EW at 19h 23m 15s
	SEN	19-45-59	10					
	LE	20-02-29	40					
	LN	20-04-04	30					
	ME	20-14-44	18		91		9210	
	MN	20-16-11	20	116			9290	
	FE	22-23-59						
22nd.	PN	20-37-23	5					
	PE	20-37-38	8					
	LE	20-54-10	35					
	LN	20-58-06	30					
	MEN	21-07-38	20-15	6	6			
	FE	21-44-58						
24th	LE	15-56-38	12					
	ME	16-04-14	15		2			
	FE	16-56-58						
24th	LE	20-34-01	12					
	ME	20-41-01	12		1			
	FE	21-07-01						
26th	LE	19-59-40	15					
	ME	20-00-20	10		2			
	FE	20-09-20						
27th.	LE	0-29-12	20					
	ME	0-33-40	10		3			
	FE	0-40-20						
27th	O	20-35-03						
	PE	20-46-57	6					Clock on NS. stopped.
	SE	20-56-50	10					
	LE	21-11-25	40				8650	
	ME	21-22-50	20		19		8650	Clock stopped.
	FE	22-19-00						
29th	LE	4-37-10	2					
	ME	4-37-12	2					Local, felt at place 16 miles distant
	FE	4-37-14						

F. Napier Denison,
Seismologist.

500-6-20-28

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

PERIOD 12 SECONDS.
MAGNIFICATION 250
DAMPING 20-1

No. and Date	Phase	Time	Period	Amplitude			Δ	Remarks
				A_N	A_E	A_Z		
1928. MAY.		h. m. s.	s.	μ	μ	μ		
	LN	0-59-20	20					
1st.	MN	1-02-45	18	4				
	PE	1-34-00						
1st.	PEN	19-05-59	10					
	LE	19-10-39	25					
	LN	19-10-54	20					
	ME	19-11-55	12		15			
	MN	19-15-37	12	20				
	FN	20-03-59						
2nd.	PEN	22-18-19	6					
	LE	22-35-38	40					
	LN	22-39-39	30					
	ME	22-45-00	20		17			
	FN	23-20-29						
8th.	PE	4-56-28	5					
	LE	4-59-30	16					
	ME	5-01-34	16		7			
	FN	5-41-02						
12th	LE	21-15-53	20					
	ME	21-22-25	20		4			
	FE	21-49-03						
14th	O	22-14-49						
	PEN	22-25-38	10					
	SE	22-34-28	12					
	SN	22-34-33	12					
	LE	22-45-18	20					O from NS:22h14m43s
	LN	22-45-16	30					
	ME	22-55-58	20		259		7400	Mexico
	MN	22-55-58	20	105			7500	
	FE	2-28-59						
15th.	O	2-36-09						
	PEN	2-46-58	6					
	SE	2-55-48	12					
	SN	2-55-50	12					
	LE	3-09-23	20					
	ME	3-15-38	16		7		7400	
	FE	4-21-58						
19th	PE	9-51-56	8					
	LE	10-06-26	20					
	ME	10-19-06	20		4			
	FE	10-42-56						
24th	PE	5-55-49	5					
	LE	6-06-44	30					
	ME	6-12-18	20		5			
	FN	6-31-59						

500-6-20-28

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

No. and Date	Phase	Time	Period	Amplitude			Δ	Remarks
				A_N	A_E	A_Z		
MAY,(continued)		h. m. s. 1928.	s.	μ	μ	μ		
26th	PE	8-42-21	5					
	LE	8-5201	18					
	ME	8-52-39	10		1			
	FE	8-56-01						
26th	LE	14-41-39	20					
	ME	14-44-36	13		2			
	FN	15-01-26						
27th	O	9-50-35						
	PEN	10-01-03	8					
	SE	10-09-32	12					
	SN	10-09-30	12					O from NS:9h50m38s
	LE	10-20-12	25					
	LN	10-26-45	20					
	ME	10-26-08	24		61		7000	
	MN	10-29-20	20	23			6960	
	FE	13-56-00						
28th	PE	7-03-30	5					
	LE	7-18-09	24					
	ME	7-24-52	20		3			
	FE	8-06-00						
31st.	LE	21-40-56	30					
	ME	21-44-56	22		3			NS component,too small to measure.
	FE	21-53-56						

F.Napier Denison,
Seismologist.

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

PERIOD 12 SECONDS.
MAGNIFICATION 250
DAMPING 20-1

No. and Date 1928 JUNE	Phase	Time	Period	Amplitude A N	Amplitude A E	Amplitude A Z	Δ	Remarks
		h. m. s.	s.	μ	μ	μ		
1st.	LE	0-41-26	30					
	ME	0-49-46	20		6			
	FE	1-30-26						
1st.	PEN	6-12-52	1					
	LEN	6-12-56	2					
	MEN	6-12-56	2	3	6			Local, probably under Fuca Strait
	FE	6-13-56						
1st.	?SEN	13-31-27	10					
	LE	13-47-43	15					
	ME	13-52-15	18		6			
	FE	15-18-55						
3rd.	LE	3-34-30	20					
	ME	3-42-47	16		2			N.S. Component.
	FE	3-54-55						Too small to measure.
3rd.	LE	7-06-55	20					
	ME	7-09-53	16		2			
	FE	7-11-55						
3rd.	PE	8-53-29	5					
	LE	9-12-09	20					
	ME	9-18-34	15		7			
	FE	10-13-54						
6th.	PN	19-32-40	5					
	PE	19-33-02	5					
	LE	19-49-12	20					
	ME	19-51-02	20		3			
	FE	20-18-02						
7th.	O	14-39-17						
	PEN	14-51-10	4					
	SEN	15-01-02	6-8					
	LE	15-21-30	20					
	ME	15-27-00	20	3	6		8630	
	FE	16-29-00						
9th.	PN	2-44-30	5					
	PE	2-49-00	6					
	LN	2-51-20	15					
	LE	2-51-40	12					
	ME	2-52-42	12		3			
	F	3-05-00						
15th	O	6-13-27						
	PEN	6-26-09	5					
	SEN	6-36-49	10					
	LE	6-50-19	20					
	ME	7-22-07	18		12		9600	
	FE	9-21-00						
15th	PE	17-40-39	5					
	LE	17-56-11	30					
	ME	18-25-09	15		4			
	FE	19-57-59						

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

No. and Date	Phase	Time	Period	Amplitude A N	Amplitude A E	Amplitude A Z	Δ	Remarks
JUNE, (Continued)								
16th.	PE	18-49-59	5	μ	μ	μ		
	LE	19-09-59	30					
	ME	19-14-29	20		3			
	FE	20-51-59						
17th.	0	3-19-25						
	PEN	3-26-59	6-8					
	SEN	3-32-59	12					
	LEN	3-39-29	18-16					
	MEN	3-44-59	18-16	615?	952		4220	
	FE	8-36-59						
17th	LE	11-55-00	10					
	ME	11-58-50	10		8			
	FE	12-04-00						
17th.	PEN	22-34-50	6					
	LN	22-41-30	30					
	LE	22-42-00	20					
	ME	22-44-32	18		19			
	FE	23-06-00						
17th.	0	23-24-44						
	PEN	23-32-25	6					
	SEN	23-38-30	10					
	LE	23-44-30	15					
	ME	23-48-10	15		29		4310	
	FE	0-32-00						
18th.	PEN	15-54-10	8-6					
	LE	16-01-02	20					
	ME	16-06-08	10		7			
	FE	16-25-00						
19th.	LEN	4-57-00	18					
	ME	5-00-32	12		2			
	FE	5-03-00						
20th	PE	15-37-02	1					
	LE&ME	15-37-08	2		6			Local, trace displaced 2 microns to West.
	FE	15-38-00						
	PN	15-37-08	1					
	LN&LN	15-37-08	1	3				Local, trace displaced 7 microns to S.
20th.	Local shock recorded 15h 45m12s to 15h 45m 22s. Amp. ½ micron.							
20th	LE	23-47-00	10					
	ME	23-48-40	12		3			
	FE	23-56-00						
21st.	PE	4-09-40	8					
	LE	4-29-40	20					
	ME	4-33-12	20		1			
	FE	4-55-00						
21st.	0	10-40-28						
	PEN	10-52-41	5					
	SE	11-02-53	10					
	SN	11-03-00	10					
	LE	11-17-50	20					0 from NS at 10h40m
	MEN	11-18-08	32-30	44	57		9020	
	FE	13-52-00						

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT OF PILLAR, 222 feet above sea level. SUBSOIL, Rock

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical.

No. and Date	Phase	Time	Period	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks
		h. m. s.	s.	μ	μ	μ		
JUNE 1928 (continued)								
21st.	O	16-27-04						
	PE	16-31-28	10					
	LEN	16-35-00	15-12					
	PN	16-31-30	8					O from NS 16h27m08s
	ME	16-37-00	15		750		2100	
	MN	16-40-15	15	356			2080	
	F	20-17-00						
23rd.	PEN	7-20-30	8					
	LE	7-21-58	12					
	ME	7-22-32	10-		6			
	FE	7-45-00						
27th	LN	1-12-38	12					
	MN	1-16-38	12	2				
	FN	1-21-58						
29th	O	22-50-04						
	PE	23-02-31	6					
	SEN	23-12-55	10					
	PN	23-02-25	6					O from NS 22h49m54s.
	LE	23-24-48	20					
	LN	23-25-03	40					
	ME	23-25-15	50		150		9280	
	MN	23-25-45	30	75			9390	
	FE	2-20-55						

F. Napier Denison,
Seismologist.

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

PERIOD 12 Seconds.
MAGNIFICATION 250
DAMPING ~~80-1~~

No. and Date	Phase	Time	Period	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks
		h. m. s.	s.	μ	μ	μ		
1928 JULY								
1st.	LE	9-50-34	20					
	ME	9-58-32	18		3			
	FN	10-14-54						
2nd.	PEN	2-12-54	8-6					
	LN	2-14-36	12					
	LE	2-15-14	10					
	ME	2-16-52	10		3			
	FE	2-49-54						
6th.	LE	1-16-07	10					
	ME	1-18-55	12		2			
	FE	1-28-45						
7th.	O	3-33-46						
	PEN	3-40-55	~~3-4~~					
	~~SE~~	3-46-23	10					O from EW at 3h 34m 01
	SN	3-46-35	10					
	LEN	3-53-45	20					
	ME	3-56-45	14		6		3680	
	FE	4-41-55						
8th	LE	12-16-05	20					
	ME	12-21-03	12		6			
	FE	12-34-55						
10th	O	21-23-54						
	PEN	21-36-26	8					
	SEN	21-46-56	12					
	LN	22-01-56	20					
	LE	22-03-36	20					
	MN	22-14-11	22	17				
	ME	22-14-54	20		64		9390	
	FE	0-43-56						
10th.	PE	2-10-08	10					
	PN	2-10-26						
	LE	2-23-26	30					
	LN	2-22-56	30					
	MN	2-25-06	15	20				
	ME	2-25-56	15		21			
	FE	3-26-56						
10th.	Small quake with L at 10h 21m 36s, period 20 secs. amp. 2 microns. Other phases indistinct.							
11th.	PN	3-15-28	8					
	LN	3-59-56	20					
	MN	3-49-34	20	3				
	FN	4-35-36						

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24' N. LONGITUDE, 123° 19' W. HEIGHT OF PILLAR, 222 feet above sea level. SUBSOIL, Rock

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical.

No. and Date	Phase	Time	Period	Amplitude			Δ	Remarks
				A_N	A_E	A_Z		
July (continued		1928. h. m. s.	s.	μ	μ	μ		
18th	O	19-05-01						
	PEN	19-15-57	8.					
	SN	19-24-52	10					
	SE	19-24-53	12					
	LN	19-35-33	30					
	LE	19-38-02	20					
	MN	19-38-18	24	92			7510	
	ME	19-44-53	18		105		7530	
	F	22-45-58						
19th.	Small quake from 5h 57m 33s to 6h 0m 58s.							
21st.	Small quake 6h 53m 39s to 7h 01m 57s.							
22nd.	O	7-32-01						
	PEN	7-37-27	6-8					
	SE	7-41-47	10					
	LE	7-50-12	20					
	ME	7-53-42	10		19		2690	
	FE	8-36-57						
25th	PE?	19-00-19	10					
	LE	19-05-01	22					
	ME	19-07-57	18		5			
	FE	19-18-59						
28th.	PE	2-23-42	5					
	LE	2-24-17	15					
	ME	2-24-37	15		2			
	FE	2-30-07						
30th	PE	2-46-18	5					
	LE	3-13-20	20					
	ME	3-17-30	20		6			
	FE	4-01-08						

F. Napier Denison,
Seismologist.

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT OF PILLAR, 222 feet above sea level. SUBSOIL, Rock

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical.

Period 12 seconds.
Magnification 250
Damping, 20-1

No. and Date	Phase	Time	Period	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks
1928 AUGUST.		h. m. s.	s.	μ	μ	μ		
1st.	LE	0-54-08	20					
	ME	0-56-08	12		2			
	FE	1-02-08						
2nd.	PEN	6-41-17	5-4					
	LE	6-47-57	12					
	ME	6-48-15	14		3			
	FE	7-42-57						
3rd.	LE	12-32-13	20					
	ME	12-39-37	20		4			
	FE	13-04-57						
4th.	O	18-26-04						
	PEN	18-33-37	8-10					
	SE	?18-39-35	20					
	SN	18-39-37	20					O derived from NS 18h26m03s.
	LN	18-44-49	40					
	LE	18-45-57	30					
	MN	18-46-37	24	500			4220	
	ME	18-49-57	22		521			
	FN	22-25-57						
12th	O	8-16-07						
	PN	8-26-03	5					
	SN	8-34-03	8					
	SE	8-34-33	10					P not recorded, on EW
	LN	8-51-07	30					
	MN	8-51-41	30	10			6440	
	FE	9-45-03						
13th.	LE	3-48-25	20					
	ME	3-49-47	20		2			NS record lost due to cylinder trouble.
	FE	4-04-03						
15th	PEN	15-57-40	8-5					
	LE	16-11-47	20					
	ME	16-14-52	20		2			
	FE	16-29-02						
15th.	LEN	17-37-32	8					
	MEN	17-42-12	10	4	2			
	FN	18-40-02						
20th	PE	18-01-00	5					
	LN	18-08-00	20					
	LE	18-08-30	25					
	ME	18-09-35	16		8			
	ME	18-12-50	10		10			
	FE	18-27-00						
22nd. Small quake with L at 20h 18m 28s, ending at 20h 40m 58s.								
24th.	PEN	21-55-57	5					
	LEN	22-06-17	12					
	MEN	22-08-55	12	3	7			
	FE	23-46-57						
25th.	LE	0-01-57	25					
	ME	0-03-15	20		5			
	FE	0-45-57						NS, too small to measur
30th.	LE	22-23-01	15					
	ME	22-25-46	12		2			
	FE	22-37-01						

F. Napier Denison, Seismologist

1000-15-1-29

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24' N. LONGITUDE, 123° 19' W. HEIGHT OF PILLAR, 222 feet above sea level. SUBSOIL, Rock

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical.

PERIOD 12 seconds
MAGNIFICATION 250
DAMPING 20-1

No. and Date 1928 SEPTEMBER	Phase	Time	Period	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks
		h. m. s.	s.	μ	μ	μ		
1st.	PEN	6-33-52	6-10					
	LE	7-00-26	30					
	LN	7-01-52	24					
	ME	7-04-32	24		9			
	MN	7-14-52	18	9				
	FE	8-07-02						
2nd.	O	23-53-50						
	PEN	0-02-03	6					
	SE	0-08-28	10					
	SN	0-08-18	10					
	LE	0-17-10	20					
	ME	0-21-46	20		14		4680	
	FE	0-36-58						
5th	LE	5-39-05	8					
	ME	5-40-30	10		2			
	FE	5-49-55						
5th	PE	7-14-43	2					
	MEN	7-15-03	2	1	1			Local, felt slightly in the city.
	FE	7-15-55						
5th	PE	14-46-09	5					
	LE	14-50-49	12					
	ME	14-51-59	10		4			
	FE	15-07-54						
6th	PEN	9-13-12	6					
	LE	9-33-24	15					
	ME	9-35-06	15		1			
	FE	9-57-54						
7th	O	2-55-14						
	PE	3-06-09	5					
	SE	3-15-04	10					
	LE	3-31-54	30					
	ME	3-39-44	20		5		7500	
	FE	4-24-54						
7th.	LE	5-02-44	30					
	ME	5-11-39	20		3			
	FE	5-31-54						
11th	PE	1-00-31	5					
	PN	1-00-44	5					
	LN	1-14-39	30					
	LE	1-18-19	30					
	ME	1-22-09	20		6			
	FE	1-57-59						
11th	LE	11-14-46	15					
	ME	11-15-18	15		2			
	FE	11-26-58						
11th	LN	12-18-38	10					
	LE	12-18-54	15					
	MN	12-22-18	9	7				
	FN	12-32-58						

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT OF PILLAR, 222 feet above sea level. SUBSOIL, Rock

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical.

No. and Date 1928	Phase	Time h. m. s.	Period s.	Amplitude A_N μ	Amplitude A_E μ	Amplitude A_Z μ	Δ	Remarks
SEPTEMBER(Continued)								
11th	O	12-36-10						
	PEN	12-37-48	8					
	LEN	12-39-08	10					
	MEN	12-40-08	10	233	233		730	
	FE	15-54-55						
12th	PE	1-36-27	5					
	LEN	1-42-27	10-8					
	MN	1-43-11	8	7				
	FE	2-36-57						
13th	O	3-39-24						
	PE	3-50-56	10					
	SE	4-00-26	20					
	LE	4-11-36	40					
	ME	4-14-51	28		16		8210	
	FE	4-56-56						
14th	LE	8-37-02	20					
	ME	8-38-42	20		3			
	FE	8-40 52						
18th	O	17-34-32						
	PE	17-44-06	6					
	PN	17-44-56	6					
	SE	17-51-46	10					
	LE	18-06-06	20					
	LN	18-00-06	30					
	ME	18-13-06	18		5		6070	
	FE	19-10-06						
18th	PN	20-22-36	8					
	SE	20-33-21	10					P not given on EW nor S on NS
	LN	20-52-51	35					
	MN	20-58-11	30	9				
	FE	21-54-06						
19th	PE	2-53-11	5					
	LE	2-55-18	12					
	ME	2-55-46	10		2			
	FE	3-04-06						
21st	PEN	13-48-27	5					
	ME	14-05-55	18		2			
	FE	14-15-07						
22nd.	O	7-31-17						
	PE	7-44-10	10					
	PN	7-44-20	8					
	SEN	7-55-00	12-10					
	LN	8-07-10	30					
	LE	8-11-53	20					
	ME	8-19-02	18		66		9820	
	MN	8-23-20	20	24			9600	
	FE	11-53-10						

500-6-20-28

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24 N. LONGITUDE, 123° 19' W. HEIGHT, 222 feet above sea level. SUBSOIL, Rock.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical

No. and Date 1928	Phase	Time	Period	Amplitude			Δ	Remarks
				A_N	A_E	A_Z		
SEPTEMBER (Continued)		h. m. s.	s.	μ	μ	μ		
23rd.	PE	13-58-53	8					
	LE	14-03-49	20					
	ME	14-06-54	20		3			
	FE	14-24-43						
24th	PEN	0-54-57	1					
	MEN	0-54-58	1	1	1			Local tremor
	F	0-55						
25th	PE	8-19-38	6					
	ME	8-30-02	10		1			F doubtful
27th	O	0-44-25						
	PN	0-54-50	6					
	PE	0-54-44	6					
	SE	1-03-12	10					
	SN	1-03-17	8					O derived from EW gives Oh 44m 18s
	LN	1-14-32	30					
	LE	1-15-12	30					
	MN	1-19-10	18	6			6960	
	ME	1-27-52	30		11		6980	
	FE	2-00-52						

F.NAPIER DENISON.
Seismologist.

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24' N. LONGITUDE, 123° 19' W. HEIGHT OF PILLAR, 222 feet above sea level. SUBSOIL, Rock

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical.

PERIOD 12 Seconds
MAGNIFICATION 250
DAMPING 20

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE				REMARKS
				A_N	A_E	A_Z	Δ	
		h. m. s.	s.	μ	μ	μ		
1928 OCTOBER.								
2nd	LE	19-08-46	10					
	ME	19-09-56	10		2			
	FE	19-16-56						
3rd.	Small quake from 6h 53m 02s to 6h 53m 56s.							
4th	LE	19-34-05	15					
	ME	19-42-25	20		2			
	FE	19-49-55						
9th.	O	3-00-50						O from NS component at 3h 01m 01s.
	PE	3-08-30	8					
	PN	3-08-35	8					
	SEN	3-14-35	12					
	LEN	3-20-10	20				4310	
	MEN	3-22-30	20	674	1046		4220	Mexico
	FN	7-22-00						
11th	LE	4-11-28	20					
	ME	4-11-55	20		3			NS record too small t measure
	FE	4-17-00						
12th.	PE	0-06-01	8					
	LE	0-13-51	10					
	ME	0-22-01	10		1			NS too small to measu
	FE	0-37-01						
12th	PEN	7-46-37	6-8					
	LE	8-06-56	18					
	ME	8-09-13	15		2			
	FE	8-50-01						
13th	LE	13-30-03	15					
	ME	13-33-36	12		4			
	FE	13-39-03						
13th	LE	16-05-33	25					
	ME	16-06-23	25		5			NS record too small t measure.
	FE	16-12-03						
15th	PE	8-54-55	8					PN 8-54-57
	LE	9-08-10	18					
	LN	9-08-05	35					
	ME	9-23-23	18		6			
	MN	9-08-15	35	25				
	FE	10-13-05						
15th	O	14-28-41						
	PEN	14-37-28	5					
	SE	14-44-26	10					
	SN	14-44-28	8					
	LEN	15-14-06	30-22					
	ME	15-20-33	20		20		5300	
	MN	15-21-14	20	17				
	FE	16-52-06						

VICTORIA, B.C.

EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

LATITUDE, 48° 24' N. LONGITUDE, 123° 19' W. HEIGHT OF PILLAR, 222 feet above sea level. SUBSOIL, Rock

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical. PERIOD 12 seconds
MAGNIFICATION 250
DAMPING 20-1

No. and Date	Phase	Time	Period	Amplitude A N	Amplitude A E	Amplitude A Z	Δ	Remarks
1928.		h. m. s.	s.	μ	μ	μ		
DECEMBER								
1st.	O	4-07-07						
	PN	4-19-43	10					
	PE	4-19-44	10					
	SEN	4-30-19	12					
	LEN	4-53-17	20					O from NS 4h07m05s.
	MN	4-57-19	20	314			9510	
	ME	4-58-19	20		372		9490	
	FE	8-13-08						
1st.	LE	19-24-34	12					
	ME	19-33-39	12		2			NS record too small to measure
	FE	19-39-59						
2nd.	O	4-21-36						
	PE	4-33-59	8					
	PN	4-34-09	5					
	SE	4-44-19	12					O from NS at 4h21m52s
	SN	4-44-24	10					
	LE	5-01-09	24					
	LN	5-01-17	24					
	MN	5-08-44	22	21			9090	
	ME	5-10-31	22		21		9200	
	FE	7-30-59						
3rd.	PEN	12-43-29	5					
	LE	12-55-09	12					
	LN	12-55-18	14					
	ME	12-59-57	12		8			
	FE	13-30-19						
7th	PE	9-41-32	6					
	LN	9-56-52	20					
	LE	10-00-52	35					
	ME	10-04-06	29		41			
	MN	10-16-41	20	4				
	FE	10-59-02						
9th	LE	0-34-41	14					
	ME	0-45-28	15		5			Large micros
	FE	1-04-02						
9th	PE	? 5-29-33	10					
	LE	5-47-03	20					
	ME	5-57-33	18		10			
	FE	6-17-03						NS record small masked by micros
9th	PE	18-34-21	8					
	ME	18-59-37	18		6			
	FE	19-17-03						L lost when changing paper.
19th	O	11-41-10						Ns record small.
	PE	11-52-20	8					
	SE	12-01-30	14					
	LE	12-19-02	18					
	ME	12-40-24	25		92		7800	NS clock stopped.
	FE	14-48-00						

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Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, one Weichert, Vertical.

No. and Date	Phase	Time	Period	Amplitude			Δ	Remarks
				A_N	A_E	A_Z		
1928.		h. m. s.	s.	μ	μ	μ		
December,	(continued)							
21st.	LEN	6-10-00	20-18					
	ME	6-15-30	12	5	5			
	FN	6-22-00						
26th	LN	22-00-01	18					
	LE	22-00-21	15					
	ME	22-01-03	12		6	8		
	FN	22-11-01						
28th	O	14-34-05						
	PE	14-44-01	10					
	PN	14-44-11	10					
	SE	14-52-01	15					
	LN	15-01-01	30					
	LE	15-02-51	20					
	MN	15-02-11	30	19				
	ME	15-08-59	20		14		6440	
	FN	16-53-01						

F. Napier Denison,
Seismologist.