

# VICTORIA, B.C.

(1976)

## 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.

3  
Period 12 seconds  
Damping 20-1  
Magnification 250

DAY AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
		h. m. s.	s.	μ	μ	μ		
1929 JANUARY:								
6th	LE	0-29-49	18					
	ME	0-33-53	15		2			
	FE	0-42-00						
8th.	LE	9-00-30	20					
	ME	9-01-52	18		5			
	FE	9-16-00						
11th.	Small quake with I at 14h 22m ending 14h 39m							
13th.	O	0-03-00						
	PEN	0-11-59	8					
	SE	0-19-08	12					
	SN	0-19-06	12					
	LEN	0-22-42	18					
	MN	0-23-00	18	276			O from NS at 0h03m03s	
	ME	0-24-30	18		352		5450 5490	
	FE	4-17-00						
17th	PE	11-56-13	8					
	SN	?12-04-30	10					
	LE	12-15-08	30					
	LN	12-13-43	40					
	MN	12-15-08	30	62				
	ME	12-27-23	22		28			
	FE	13-47-53						
19th	LE	3-52-45	20					
	ME	3-56-17	18		4			
	FE	4-23-57						
21st.	LEN	5-56-04	30					
	ME	5-57-06	30		7			
	FE	6-21-56						
21st.	PN	10-35-40	8					
	PE	10-35-41	8					
	LEN	10-39-39	12-10					
	MEN	10-42-10	12-10	67	109			
	FE	12-12-55						
24th	O	20-32-54						
	PEN	20-44-55	10-8					
	SE	20-54-55	15					
	LN	20-57-45	45					
	LE	20-59-28	45					
	MN	21-08-55	20	222				
	ME	21-13-15	20		372		8790	
	FE	0-06-55						
26th	LE	2-56-51	18					
	ME	3-00-21	18		6			
	FE	3-06-51						

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Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

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

AND DATE	PHASE	TIME <small>h. m. s.</small>	PERIOD <small>s.</small>	AMPLITUDE			Δ	REMARKS
				A N <small>μ</small>	A E <small>μ</small>	A Z <small>μ</small>		
January 1929 (continued)								
26th	LEN	21-13-50	20-15					
	ME	21-16-45	18		5			
	FE	21-22-50						
27th	LE	16-50-16	18					
	ME	16-51-23	18		8			
	FE	16-56-48						
28th	LE	22-23-58	12					
	ME	22-27-38	14		7			
	FE	22-32-58						
31st.	PE	18-13-47	5					
	LE	18-28-55	20					
	ME	18-32-54	20		17			
	FE	19-16-55						

F. Napier Denison,  
Seismologist.

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Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

Period 12 seconds

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

Magnification 250

Damping 20-1.

No. AND DATE	Phase	Time	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
		h. m. s.	s.	μ	μ	μ		
1929 FEBRUARY								
1st.	PEN	17-27-37	5					
	LE	17-52-19	25					
	ME	18-08-37	30		25			NS clock stopped.
	FE	19-09-57						
1st.	LE	22-13-28	20					
	ME	22-15-38	15		4			
	FE	22-19-58						NS clock stopped.
2nd.	O	0-01-06						
	PE	0-14-48	6					
	SE	0-26-23	10					
	LE	0-46-48	35					
	ME	0-51-50	25		100		10,850	NS clock stopped.
	FE	3-27-58						
4th	LE	10-44-23	20					
	LN	10-46-03	20					
	ME	10-50-12	20		8			
	FE	11-01-15						
5th.	LE	4-07-16	20					
	ME	4-12-36	18		5			
	FE	4-22-56						NS clock stopped.
6th.	PEN	6-58-47	4-5					
	LEN	7-05-36	10					
	MN	7-07-55	10	2				
	FN	7-19-57						
8th.	LEN	2-29-39	20					
	ME	2-35-19	20		8			
	FE	2-46-59						
10th	LE	4-02-11	18					
	LN	4-04-31	18					
	ME	4-07-49	18		5			
	FE	4-23-01						
10th	O	15-39-03						
	PEN	15-47-22	10-8					
	SN	15-53-07	12					O from NS 15h40m07s
	SE	15-53-57	12					
	LEN	16-00-37	40					
	ME	16-06-40	20		64		4860	
	MN	16-09-37	18	60			3960	
	FE	17-46-02						
13th	PE	22-25-16	8					
	LE	22-36-48	20					
	LN	22-38-16	18					
	ME	22-40-06	20		9			
	FE	23-12-56						
15th	SEN	8-23-04	10					
	LE	8-29-16	30					
	LN	8-31-44	22					
	ME	8-37-15	18		24			
	MN	8-37-34	14	23				
	FE	9-41-44						

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

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
1929 (February		continued)						
16th	LE	20-13-09	30	μ	μ	μ		
	ME	20-13-38	25		7			
	FE	21-12-49						
20th	LE	21-19-41	12					
	ME	21-19-51	12		6			
	FE	21-28-01						
22nd	O	20-41-55						
	PE	20-53-40	5					
	PN	20-53-47	5					
	SE	21-03-24	12					
	SN	21-03-29	10					
	LN	21-17-47	30					
	LE	21-17-59	45					
	MN	21-20-09	14	39			8440	
	ME	21-24-12	20		105		8470	
	FE	23-36-59						
26th	O	9-01-12						
	PEN	9-06-25	5					
	LEN	9-10-35	10					
	MEN	9-13-10	20	46	55		2560	
	FE	10-47-00						
MARCH								
1st.	PEN	7-32-23	8					
	LEN	7-33-58	10					
	MEN	7-36-08	10	76	62		870	
	FE	8-51-58						
1st.	PN	8-54-10	8					
	PE	8-54-18	8					
	LEN	8-55-28	10					
	ME	8-56-16	10	19	19		640	
	FN	9-50-58					710	
1st.	LEN	16-03-28	20					
	ME	16-06-23	15		6			
	FE	16-22-58						
1st.	LE	21-21-10	20					
	ME	21-23-48	18		4			
	FE	21-35-58						
3rd.	LEN	9-09-07	20					
	ME	9-11-07	18		19			
	MN	9-11-19	12	16				
	FN	9-28-57						
3rd.	LE	17-19-26	18					
	ME	17-21-27	14		2			
	FE	17-28-57						
5th	LEN	3-15-59	20					
	ME	3-19-19	15		4			
	FE	3-23-59						

O from NS component at 20h 42m 03s

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Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

No. AND DATE	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
1929								
March (continued)								
7th	PEN	1-40-50	10					
	LN	1-45-50	20					
	LE	1-46-10	18					
	ME	1-49-00	20		407		3390	
	MN	1-50-40	20	372			3240	
	FN	5-18-00						
9th	?SE	2-33-41	10					
	LE	2-45-45	20					
	ME	2-47-00	30		15			
	FE	3-30-00						
9th	O	11-06-42						
	PEN	11-17-00	10					
	SN	11-24-40	12					
	SE	11-25-20	12					O from NS -
	LE	11-34-49	40					11h 07m 25s
	LN	11-35-00	40					
	ME	11-46-42	20		93		6820	
	MN	11-49-26	20	75			6080	
	FE	<del>11-21-00</del> 13						
10th	PN	14-56-19	5					
	LN	15-06-59	20					
	MN	15-07-49	20	5				
	FN	15-17-59						
10th	PE	22-58-12	5					
	LE	23-00-50	20					
	ME	23-01-19	20		3			NS too small to
	FE	23-05-30						measure.
11th	PE	13-43-45	5					
	LE	13-55-50	20					
	ME	13-59-40	10		1			FE 14-07-00
12th	PEN	2-39-33	5					
	LE	2-40-50	10					
	ME	2-41-18	10		14			
	FE	3-04-00						
18th	LE	2-33-39	20					
	ME	2-35-54	19		3			
	FE	2-39-59						
19th	O	20-52-30						
	PEN	21-01-59	10					
	SE	21-08-29	20					
	SN	21-09-04	20					O from NS-
	LN	21-15-18	30					20h 53m 04s
	LE	21-16-34	40					
	ME	21-25-08	14		26		5880	
	FE	22-24-59						
	O	2-35-30						
21st.	PEN	2-45-12	10-8					
	SN	2-51-52	12					
	SE	2-52-59	20					
	LE	3-00-32	30					
	MN	3-07-31	20	58			4960	
	ME	3-08-17	15		46		6200	
	FE	4-28-57						

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INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

No. AND DATE	PERIOD	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
		h. m. s.	s.	μ	μ	μ		
1929 MARCH (Continued)								
23rd	LE	11-43-19	15					
	ME	11-44-14	10		3			
	FE	11-52-54						
23rd	LE	20-48-54	22					
	ME	20-52-12	20		3			NS too small to measure.
	FE	21-26-54						
28th	LEN	3-30-05	30-20					
	ME	3-34-57	12		15			
	MN	3-35-05	14	18				
	FE	3-48-05						
28th	LE	21-29-08	20					
	ME	21-36-03	20		3			
	FE	22-02-08						
31st.	LE	4-03-18	20					
	ME	4-11-08	20		3			
	FE	4-18-08						
31st.	LE	6-07-28	30					
	ME	6-17-18	20		5			
	FE	6-40-08						

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Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

PERIOD 12 seconds  
MAGNIFICATION 250  
DAMPING 20-1

No. AND DATE	Phase	Time	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
1929								
April 6th	PN	3-58-40	5	μ	μ	μ		
	PE	3-58-51	6					
	LN	3-58-52	10					
	LE	3-59-10	12					
	ME	3-59-29	12		11			
	FE	4-09-00						
7th	O	19-31-51						
	PEN	19-40-02	5					
	SN	19-46-22	10					
	SE	19-46-31	10					
	LE	19-54-20	22					0 from NS 19h32m02
	LN	19-54-30	22					
	ME	19-58-18	20		29		4750	
	FE	20-51-00						
8th	LE	10-39-20	8					
	ME	10-39-30	10		2			NS record too small to measure.
	FE	11-17-00						
9th	LE	3-02-06	20					
	ME	3-04-43	18		4			
	FE	3-20-08						" " "
9th	LE	5-26-53	20					
	ME	5-31-30	20		3			
	FE	6-02-08						" " "
10th	LE	9-45-01	12					
	ME	9-48-13	12		2			" " "
	FE	9-53-01						
21st	PE	12-52-05	8					
	LE	13-09-08	20					
	ME	13-15-05	18		4			
	FE	13-32-05						
23rd.	PEN	2-15-50	2					
	MEN	2-16-02	2	2	3			Local, felt in some parts of city.
	FE	2-17-30						
23rd.	PE	17-59-30	5					
	LE	18-01-00	12					
	ME	18-02-10	10		2			
	FE	18-13-00						
26th.	Small quake with L at 2h 24m 58s ending 2h29m.							
26th	PE	11-49-40	5					
	SE	?11-56-30	8					
	LE	12-06-15	20					
	ME	12-16-25	15		7			
	FE	12-45						
27th	LE	21-46-30	30					
	ME	21-50-40	20		3			NS too small to measure
	FE	22-08-00						

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INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

PERIOD 12 second  
MAGNIFICATION 250  
DAMPING 20-1

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
		h. m. s.	s.	μ	μ	μ		
MAY. 1929								
1st.	PEN	8-00-54	5					
	LE	8-19-07	20					
	ME	8-28-29	18		3			
	FE	8-54-59						
1st.	O	15-38-44						
	PE	15-51-19	5					
	PN	15-51-09	5					
	SE	16-01-52	10					
	SN	16-01-29	10					
	LE	16-17-39	50					
	LN	16-21-04	50					
	ME	16-31-39	20		192			
	MN	16-35-19	25	108		9450		
	FE	19-22-59				9200		
6th	PE	5-33-33	10					
	PN	5-34-55	10					
	LN	5-51-33	30	6				
	LE	5-56-55	30					
	ME	5-59-40	20		3			
	FE	6-31-55						
7th	O	16-49-41						
	PE	16-59-38	8					
	PN	17-00-26	5					
	SE	17-07-39	20					
	LE	17-21-01	30					
	LN	17-16-05	40					
	MN	17-23-25	20	6				
	ME	17-24-03	24		48			
	FE	17-58-05				6460		
12th	LE	9-57-25	30					
	ME	10-01-23	20		7			
	FE	10-24-03						
13th	LE	9-45-51	20					
	ME	9-49-26	10		2			
	FE	9-55-06						
13th	LE	14-18-41	20					
	ME	14-25-11	20		6			
	FE	14-44-06						
18th.	PE	7-01-53	10					
	PN	7-01-24	6					
	LE	7-18-13	34					
	LN	7-24-11	34					
	ME	7-23-03	30		15			
	MN	7-26-23	30	15				
	FE	8-18-01						
20th	O	4-52-59						
	PEN	4-59-39	5-6					
	SE	5-04-56	10					
	SN	5-05-01	10					
	LN	5-07-49	20					
	LE	5-08-41	20					
	MN	5-07-29	20	26		3580		
	ME	5-11-31	20		32	3500		
	FE	8-06-01						



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Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
				μ	μ	μ		
May 1929 (continued)								
21st.	PEN	16-56-58	8					
	LN	17-07-58	30					
	LE	17-11-58	22					
	MN	17-10-28	20	10				
	ME	17-15-18	30		19			
22nd	FE	18-47-58						
	LEN	21-06-57	20					
	ME	21-11-25	20		6			
25th	FE	21-38-57						
	LEN	12-19-54	8					
	ME	12-20-37	10		3			
26th	FE	12-44-54						
	LE	9-36-18	20					
	ME	9-37-43	20		5			
26th	FE	9-47-53						
	O	22-39-37						
	PN	22-41-24	8					
	PE	22-41-25	8					
	LE	22-42-53	10					
	ME	22-48-27	10		214?			
	FE	2-56-53						
27th.	LE	6-00-53	20					
	ME	6-05-28	20		6			
	FE	6-10-53						
27th	PE	6-11-23	6					
	LE	6-12-05	10					
	ME	6-12-25	10		2			
	O							O at 6h 10m 30s. F. 6h 20m 53
28th	PEN	0-03-59	5-6					
	LE	0-19-51	20					
	ME	0-27-18	12		7			
	FE	0-56-53						
29th.	Small quake with L at 12h 35m 12s, ending 12h 37m 57s.							
29th.	PE	14-16-17	5					
	LEN	14-17-47	10-8					
	ME	14-18-47	10		5		830	
	FE	14-26-27						O at 14h 14m 26s. Perhaps near Queen Charlotte Is.
30th	O	9-44-34						
	PEN	9-57-06	8					
	SN	10-07-36	10					
	LN	10-26-16	40					
	LE	10-27-56	30					
	MN	10-34-36	20	12			9390	
	ME	10-35-06	20		15			
FE	12-37-56							

F. Napier Denison,  
Seismologist.

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Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

PERIOD 12 Seconds

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vert MAGNIFICATION, 250

DAMPING 20-1

No. AND DATE	Phase	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub> μ	A <sub>E</sub> μ	A <sub>Z</sub> μ		
JUNE 1929. 1st.	PE	0-38-56	8					
	LE	0-40-26	30					
	ME	0-40-26	30	5	5			NS record too small to measure.
1st.	FE	0-56-46						
	LN	14-34-44	12					
	MN	14-36-36	18	2				EW record too small to measure.
2nd.	FN	14-46-56						
	PEN	21-49-28	5					
	LN	21-57-13	10					
3rd.	LE	21-58-16	10					
	ME	22-01-25	12		4			
	FE	23-16-13						
4th.	SN?	20-53-27	8					
	LN	21-18-00	20					
	LE	21-18-02	20					
6th	ME	21-25-48	20		6			
	FE	21-47-02						
	LE	15-39-02	12					
6th	ME	15-44-02	12		3			
	FE	16-44-04						
	PN	11-16-01	6					
6th	PE	11-17-36	10					
	LN	11-32-36	30					
	LN	11-38-56	20					
6th	MN	11-46-51	20	4				
	ME	11-47-26	20		7			
	FE	12-19-01						
9th	LE	16-29-51	20					
	ME	16-33-23	20		5			NS too small to measure. F, lost.
	LE	1-29-53	20					
9th	ME	1-30-18	14		2			
	FE	1-36-58						
	PE?	6-51-40	5					
9th	PN	6-51-58	6					
	LEN	6-52-28	10					
	MEN	6-52-56	10	5	4			
9th	FE	6-59-28						
	O	8-09-15						
	PEN	8-14-12	6					
9th	SEN	8-18-09	8					
	LE	8-19-27	20					
	LN	8-19-52	20					
9th	MEN	8-20-37	10	11	19		2400	
	FE	8-51-57						
	O	9-08-13						
10th	PEN	9-17-37	5					
	SEN	9-25-07	8					
	LE	9-34-37	30		50		5890	
10th	LN	9-36-09	20					
	MN	9-37-09	22	21				
	F	11-21-57						
10th	O	23-02-05						
	PN	23-13-00	5					
	SN	23-21-55	8					
10th	LN	23-33-50	20					
	MN	23-42-38	10	5			7500	
	SE	23-20-50	8					
10th	LE	23-33-10	10					
	ME	23-41-41	10					
	FE	0-21-00			7			

# 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, Verticle

NO. AND DATE	PHASE (Continued)	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
12th	O	11-43-56						
	PE	11-56-18	5 s	μ	μ	μ		
	SE	12-06-38	8					
	LE	12-25-20	25					
	ME	12-33-18	20		9		9180	
	FE	13-26-58						
13th	O	0-12-34						
	PEN	0-21-58	8&6					
	SEN	0-29-28	10					
	LE	0-38-56	20					
	LN	0-40-38	20					
	ME	0-53-53	22		48		5890	
	MN	0-53-58	20	32				
	FE	3-58-58						
13th	O	9-23-43						
	PEN	9-38-17	5&8					O derived from NS 9h 23m 18s
	SE	9-50-37	10					
	SN	9-50-59	10					
	LN	10-04-35	30					
	LE	10-09-13	40					
	MN	10-05-09	28	35				
	ME	10-10-19	30		219		11,980	
	FE	12-48-57						
13th	PE	20-11-22	5					
	LE	20-32-37	30					
	ME	20-33-57	20					
	FE	21-11-57						
13th	PEN	23-24-47	8					P phase may be S
	LN	23-40-57	30					
	LE	23-45-17	30					
	ME	23-58-27	20		5			
	FE	0-58-57						
15th	LEN	0-55-56	20					
	ME	0-56-38	15		4			
	FE	1-02-56						
16th	PE	22-10-50	3					PN 22h 10m 45s
	LE	22-11-07	10					LN 22h 11m 10s
	ME	22-11-30	10		5			
	FE	22-19-10						
16th	PE	22-27-25	3					
	PN	22-27-47	3					
	LN	22-28-07	10					
	LE	22-28-25	8					
	ME	22-28-30	12	6	10			
	FE	22-34-55						
16th	O	22-54-35						O from NS at 22h 53m 33s
	PEN	23-06-05	10					
	SE	23-15-33	12					
	SN	23-16-35	12					
	LN	23-36-45	40					
	LE	23-36-47	30					
	MEN	23-41-55	20	140	198		8170	
	FE	3-13-55						
17th	Small quake at 10h 40m 42s							
19th	Small quake with P at 7h 55m 01s ending at 9h 14m 01, <del>12h</del>							
20th	PE	12-14-30	4					
	LE	12-16-00	18					
	ME	12-16-00	18		4			
	FE	12-29-00						
22nd	PE	15-56-38	5					
	LE	16-20-18	20					
	ME	16-25-30	20		6			

# 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, Verticle

NO. AND DATE	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
(Continued)								
JUNE 1929 23rd	LE	3-43-58	18					
	ME	3-44-58	12		2			
24th	FE	3-54-58						
	LE	18-51-55	10					
	ME	18-53-42	12		3			
25th	FE	19-07-00						
	LE	6-51-45	10					
	ME	6-53-00	15		2			
25th	FE	7-01-00						
	LN	9-52-48	15					
	MN	9-54-00	18	2				
26th	FN	10-01-00						
	PE	?6-42-12	8					P phase may be S
	LEN	6-47-00	12&15					
27th	ME	6-57-35	12		3			
	FE	7-28-00						
	O	12-54-11						O from NS 12h51m52s
	PEN	13-06-22	5					
	SN	13-18-40	12					
	SE	13-18-22	12					
	LN	13-43-22	40					
30th	LE	13-43-42	40					
	MN	14-04-42	20	140		11.920		
	ME	14-06-22	20		227	11.460		
	FE	18-20-02						
	PE	3-08-56	8					
30th	PN	3-09-04	8					
	LE	3-29-24	30					
	ME	3-41-24	20		7			
	FE	4-52-04						

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, Verticle Period 12 seconds.

Magnification 250  
Damping 20-1

No. AND DATE	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
1929.								
July 2nd.		Small quake from	2h 56m 10s.					
3rd.	PEN	0-57-39	5-7					
	LN	1-01-27	10					
	MN	1-01-56	10	5				
	F	1-35-59						
3rd.	PE	18-17-05	6					
	LE	18-35-40	20					
	ME	18-42-00	20		3			
	FE	19-19-00						
4th	O	4-28-05						
	PEN	4-33-20	6-7					
	SE	4-37-32	10					
	SN	4-37-22						
	LEN	4-38-40	20-22					0 from NS 4h28m17s
	ME	4-39-55	20		139		2590	
	MN	4-39-50	10	58			2460	
	FN	6-03-00						
4th.	O	14-18-58						
	PEN	14-25-54	6-10					
	SE	14-31-24	10					
	SN	14-31-26	10					
	LE	14-34-13	20					0 from NS 14h18m55s
	LN	14-34-04	20					
	ME	14-35-56	20		229		3700	
	MN	14-34-44	20	145			3740	
	F	19-59-04						
5th	PEN	22-43-05	6-5					
	LE	22-47-35	15					
	LN	22-48-35	18					
	ME	22-56-15	20		52			
	MN	22-58-05	15	23				
	F	2-10-05						
6th	O	2-04-01						
	PE	2-10-45	5					
	PN	2-10-40	8					
	SEN	2-16-05	10					0 from NS 2h 03m50s
	LE	2-19-55	18					
	LN	2-18-30	25					
	ME	2-20-45	30		55		3540	
	MN	2-18-57	30	55			3620	
	FE	5-57-05						
6th	O	9-46-14						
	PEN	9-57-38	5					
	SE	10-07-01	10					
	SN	10-06-56	8					
	LE	10-21-51	30					
	LN	10-20-31	30					
	ME	10-26-50	18		17		8060	
	MN	10-26-56	16	12			7950	
	FE	12-11-05						
7th		Small quake from	6h28m39s to					
7th	PEN	9-39-36	5					
	LE	9-43-11	20					
	ME	9-47-41	18		2			
	FE	10-44-11						

## 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, Verticle

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
		h. m. s.	s.	μ	μ	μ		
1929	July (Continued)							
7th	O	21-22-59						
	PE	21-29-59	8					
	PN	21-30-00	8					
	LEN	21-35-32	10					
	ME	21-40-12	20		264		3750	O from NS 21h23m01s
	MN	21-36-42	10	176			3740	
	FE	3-37-22						
8th	SE	19-21-00	10					
	SN	19-28-20	20					P not intelligible
	ME	19-34-40	16		4			
	FE	21-33-00						
11th	O	20-57-13						
	P	21-04-00	3					
	SE	21-09-22	8					
	LE	21-13-35	30					
	ME	21-14-05	20		10		3580	
	FE	22-47-57						
12th	O	15-54-36						
	P	15-59-33	3					
	SEN	16-03-30	8-6					
	LEN	16-04-45	30					
	ME	16-06-00	10		16		2400	
	FE	16-54-00						
13th	LE	8-23-21	18					
	ME	8-28-09	30		6			
	FE	8-57-01						
13th	O	14-51-20						
	PE	15-03-52	5					
	SE	15-16-10	10					
	LE	15-33-06	30					
	ME	15-34-44	22		7		11,930	
	FE	17-23-01						
14th	O	9-36-43						
	PE	9-45-53	2					
	PN	9-46-00	3					
	SN	9-53-04						
	SE	9-53-11	10					O from NS 9h37m06s
	LE	10-01-46	32					
	LN	10-01-41	25					
	ME	10-02-00	32					
	MN	10-01-41	25	32	111		5670	
	FE	12-28-03					5400	
15th	PE	8-08-35	3					
	LE	8-39-25	24					
	ME	8-42-05	20		5			
	FE	10-20-05						
17th	O	8-37-51						
	PEN	8-44-59	5-7					
	SE	8-50-39	8					
	SN	8-49-35	10					
	LE	8-54-59	24					O from NS 8h39m11s
	LN	8-52-19	20					
	ME	8-55-29	20					
	MN	8-53-39	24	20	26		3870	
	FE	11-27-59					2910	
17th	PN	20-17-38						
	LEN	20-35-28	20					
	MEN	20-37-48	18	2	3			
	F	20-47-58						

# 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, Verticle

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
		h. m. s.	s.	μ	μ	μ		
1929 July								
18th	O	6-22-25						
	PEN	6-23-28	3					
	LE	6-24-20	6					
	LN	6-24-18	10					
	ME	6-25-06	10		1		470	
	FE	6-29-58						
18th	O	6-52-54						
	P	6-56-27	10					
	LE	6-59-19	20					
	LN	6-59-27	20					
	ME	7-01-55	20		9		1660	O from NS 6h52m45s
	FE	7-49-57						
21st.	PE	10-28-43	5					
	LE	10-43-33	16					
	ME	10-51-11	14		1			
	F	11-24-53						
21st.	PE	13-40-37	5					
	LE	13-59-57	20					
	ME	14-08-27	20		3			
	FE	14-31-53						
23rd	O	18-42-44						
	PN	18-52-18	5					
	S	18-59-58	10					
	LE	19-07-56	30					
	LN	19-08-38	30					
	ME	19-11-24	18		40		6070	
	MN	19-14-30	20	49				
	FN	20-44-58						
25th	LE	1-09-17	24					
	ME	1-12-07	20		5			
	FE	1-31-55						
25th	LE	23-53-37	30					
	ME	23-56-53	20		3			NS too small to measure
	FE	0-17-53						
26th	PE	23-08-22	5					
	LE	23-21-10	15					
	ME	23-30-50	15		2			
	FE	0-13-50						
27th	PE	13-15-18	3					
	LE	13-33-38	30					
	ME	13-36-08	20		3			NS too small to measure
	FE	13-41-48						
30th	PN	4-06-22	4					
	PE	4-06-28	4					
	LE	4-12-20	20					
	ME	4-14-16	16		4			FE 4h 23m 46s
31st.	O	7-47-27						
	P	7-51-35	4					
	SE	7-57-15	10					
	LE	8-06-45	20					
	ME	8-09-43	18		4		3870	
	FE	8-29-45						

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, Verticle

Period 12 seconds.

Magnification 250

Damping 20-1  
REMARKS

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
		h. m. s.	s.					
1929. AUGUST								
1st.	PM	5-21-23	5					
	LN	5-59-53	30					
	MN	6-15-23	20	3				
	FN	6-28-03						
1st.	Small	quake from 8h 36m 35s to 9h 20m 03s.						
3rd.	O	12-49-27						
	PEN	13-01-26	4					
	SE	13-11-24	10					
	LE	13-25-06	25					
	ME	13-26-58	20		3		8750	
	FE	14-17-06						
3rd.	O	14-56-16						
	PE	15-08-58	5					
	PN	15-09-26	5					
	SEN	15-19-38	10-8					
	LE	15-36-46	30					
	ME	15-40-06	20		3		9600	
	FE	16-47-06						
3rd.	PEN	18-52-26	5					
	LE	19-01-06	20					
	LN	19-00-36	20					
	ME	19-02-06	20		5			
	FE	20-47-06						
4th	PE	22-42-39	5					
	LE	23-06-07	20					
	ME	23-07-19	20		2			
	FE	0-05-07						
8th.	O	13-07-28						
	PEN	13-15-38	5					
	SN	13-22-02	8					
	SE	13-22-06	8					O from NS at 13h 07m 33s.
	LE	13-35-08	22					
	LN	13-33-18	20					
	ME	13-56-06	20		12		4730	
	FE	15-37-48						
12th	PE	11-40-48	5					
	EN	11-41-34	12					
	LE	11-42-34	10					Quake <del>sent</del> with centre near Attica, N.Y.
	MN	11-42-44	10	1				
	ME	11-44-26	10		1			
	FN	11-47-34						
14th.	LE	3-12-43	30					
	ME	3-24-35	20		3			
	FE	4-08-03						
14th.	Small	quake from 13h 28m 03s to 13h 45m 03s.						
14th.	LE	14-32-03	18					
	ME	14-42-23	10		5			
	FE	16-04-03						
14th	O	19-01-19						
	PE	19-04-23	5					
	PN	19-04-13	4					
	LN	19-06-11	8					O from NS at 19h 01m 49s
	LE	19-06-53	12					
	ME	19-09-03	10		8		1430	
	MN	19-08-35	10	12			1100	
	FN	20-28-03						



# 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, Verticle

No. AND DATE	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
1929 August (continued)								
15th	O	19-56-24						
	PE	20-06-04	5					
	SE	20-13-49	8					
	LE	20-24-26	30					
	ME	20-30-19	18		14		6160	
	PN	20-05-59	5					
	SN	20-13-44	8					
	FE	21-39-04						
16th.	Small	quake from	21h58m36s					
16th	LE	23-51-34	20					
	ME	23-54-46	18		4			
	FE	0-16-06						
17th	O	23-40-22						
	PE	23-48-06	6					
	SE	23-54-06	10					
	LE	23-59-56	25					
	ME	0-05-36	14		114		4220	
	MN	0-02-26	20	140				
	FN	1-43-06						
18th	SE	8-58-15	10					
	LE	9-04-45	20					
	ME	9-25-00	20		15			
	MN	9-30-37	12	11				
	FE	11-13-05						
19th	O	2-43-34						
	PE	2-55-53	5					
	SE	3-06-10	8					
	SN	3-06-25	10					
	LE	3-24-25	20					
	ME	3-35-33	18		7		9130	
	FE	5-00-05						
20th	LE	17-29-55	12					
	ME	18-11-20	15		2			
	FE	18-34-55						
28th	LN	19-10-39	14					
	MN	19-20-22	14	2				
	FN	21-14-04						
30th	LE	7-49-16	20					
	ME	7-58-14	20		2			
	FE	9-09-04						

O from NS at  
19h56m19s

to 23h00m06s.

EW record lost in  
developing.

F. Napier Denison,  
Seismologist.

# VICTORIA, B.C.

## EARTHQUAKE STATION, METEOROLOGICAL SERVICE OF CANADA

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

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

PERIOD 12 seconds

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

Magnification 250

Damping 20-1

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
		h. m. s.	s.	μ	μ	μ		
1929								
SEPTEMBER.								
1st.	Small quake	14h 05m 20s						
1st.	SE?	16-17-42	8					
	LE	16-36-42	30					
	ME	16-58-30	24		4			
	FE	17-32-02						
2nd.	O	11-14-32						
	PE	?11-26-42	5					
	SE	11-36-50	10					
	LE	11-57-54	30					
	ME	12-09-32	18		4		8950	
	FE	13-07-02						
3rd.	LN	13-08-28	25					
	MN	13-14-20	20	5				
	PN	13-16-58						
5th	LE	10-13-56	20					
	ME	10-15-56	18		5			
	FE	10-21-56					NS clock stopped.	
8th.	PE	10-53-36	5					
	LE	10-57-04	18					
	ME	10-58-54	20		4		2040	
	FE	11-13-54						
8th.	Small quake	14h 12m 24s						
10th	LE	21-53-22	22					
	ME	21-58-53	20		3			
	FE	22-29-00						
14th	LE	2-53-48	22					
	ME	2-56-48	20		4			
	FE	3-16-08						
17th	LE	5-57-58	20					
	ME	5-58-16	20		3			
	FE	6-07-01						
17th	PEN	19-18-50	7-8					
	LE	19-20-30	10					
	PV	19-18-50	4					
	LV	19-20-30	7					
	MV	19-23-30	7					
	FE	22-51-00			300	920		
18th.	PN	15-46-32	5					
	LEN	15-47-22	12					
	MN	15-47-22	12	1			450	
	F	19-52-02						
18th.	PN	17-01-03	5					
	LN	17-02-43	12					
	MN	17-03-38	10	2			920 Queen Charlotte Is.	
	FN	17-09-03						
21st.	PEN	16-31-41	8					
	LEN	16-36-26	12					
	ME	16-36-56	10		14		3030	
	FE	17-05-06						
22nd	LE	16-44-46	20					
	ME	16-45-38	18		3			
	FE	16-54-06						
22nd.	Small quake from	21h 13m 44s						
23rd.	PEN	16-07-14	5					
	LE	16-09-16	8					
	ME	16-09-56	10		4		1140	
	FE	16-31-06						

# 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, Verticle

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
		h. m. s.	s.	μ	μ	μ		
1929								
September	(Continued)							
23rd	PE	18-16-26	3					
	LE	18-18-06	10					
	ME	18-18-16	10		2		920	Queen Charlotte Isl.B.C.
	FE	18-25-36						
23rd.	Small quake from		23h 19m 16s					
26th	O	4-51-14						
	PEN	4-58-39	4					
	SEN	5-04-32	8					
	LE	5-10-59	15					
	ME	5-13-49	12		3		4100	Hawaii
	FE	6-46-59						
26th.	Small quake from		12h 46m 09s					
26th	Small quake from		16h 00m 14s					
26th	PE	20-08-24	6					
	LE	20-09-19	10					
	ME	20-09-54	10		2		410	
	FE	20-15-28						
27th	O	23-16-13						
	PE	23-21-49	5					
	SE	23-26-17	8					
	LE	23-29-29	20					
	ME	23-31-59	15		21		2790	Clock on NS component, stopped.
	FE	0-40-59						

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

Period 12 seconds

Magnification 250

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

Damping 20-1

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
		h. m. s.	s.	μ	μ	μ		
1929, October.								
1st.	PE	22-00-33	4					
	LE	22-01-59	10					
	ME	22-02-21	7		3			
	FE	22-11-03						
2nd	LE	?10-27-16	25					
	ME	10-47-14	20		4			
	FE	11-31-04						
4th	PE	4-20-06	4					
	LE	4-21-46	12					
	ME	4-22-00	12		2			NS too small to measure.
	FE	4-31-06						
4th	PE	9-56-19	3					
	LE	9-57-18	10					
	ME	9-57-48	10		6			
	FE	10-04-07						
5th	LE	4-14-32	20					
	ME	4-19-03	14		2			
	FE	4-35-07						
5th.	LN	17-20-28	25					
	LE	17-22-20	25					
	MN	17-23-06	30	17				
	ME	17-23-16	28		21			P lost when changing papers.
	F	17-58-08						
6th	PEN	6-07-29	6-5					
	LN	6-17-27	20					
	MN	6-18-14	20	7				
	FN	6-30-09						
6th	O	7-50-17						O from NS 7-52-07
	PE	7-58-29	5					
	PN	7-58-59	5					
	SN	8-04-29	10					
	SE	8-04-59	10					
	LN	8-07-57	20					
	LE	8-10-29	18					
	MN	8-12-22	20	35			3770	
	ME	8-13-39	20		29		4770	
	FE	10-27-09						
6th	LE	13-55-07	20					
	ME	13-56-49	18		3			
	FE	14-06-09						
7th	PEN	15-30-41	5					
	LE	15-47-31	20					
	ME	15-55-11	18		3			
	FE	16-32-11						
8th	O	17-16-26						
	PEN	17-28-58	5					
	SEN	17-39-28	10					
	LN	17-52-40	30					
	LE	17-57-10	20					
	ME	18-00-35	20		9		9390	
	MN	18-01-10	20	12				
	FE	19-55-00						
14th.	PE?	10-15-52	5					
	LE	10-19-42	10					
	ME	10-27-11	12		6			
	FE	11-51-02						

# 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 <small>h. m. s.</small>	PERIOD <small>s.</small>	AMPLITUDE			$\Delta$	REMARKS
				$A_N$ $\mu$	$A_E$ $\mu$	$A_Z$ $\mu$		
October 1929, continued.								
16th.	PEN	8-11-54	2					
	ME	8-11-55	2			1		Felt locally
	MN	8-11-59	2	2				
	F	8-12-09						
16th	LEN	21-19-11	20					
	ME	21-22-39	12			4		
	FE	21-44-29						
19th	O	10-14-35						O from NS 10-13-45
	PE	10-26-16	5					
	PN	10-25-51	5					
	SEN	10-35-56	10					
	LN	10-48-13	40					
	LE	10-49-01	60					
	MN	10-49-21	40	100			8890	Chili
	ME	10-56-21	30			37	8390	
	FN	11-27-01						
20th	PE	16-14-07	2					
	LEN	16-17-52	10					
	ME	16-20-39	10			3		
	FE	16-32-47						
24th	PE	6-57-52	5					
	LE	7-27-34	30					
	ME	7-33-12	20			3		
	FE	7-40-52						
24th	LE	21-26-03	10					
	ME	21-27-51	12			3		
	FE	21-35-53						
31st.	LE	15-14-30	30					
	LN	15-22-10	30					
	MN	16-07-33	30	15				
	ME	16-08-45	40			55		
	FE	16-30-00						

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

Period 12 seconds.

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

Magnification 250

Damping 20-1

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
		h. m. s.	s.	μ	μ	μ		
1929 November								
4th	LE	16-13-21	25					
	ME	16-15-56	20		4			
	FE	16-56-01						
5th	PN	12-02-18	6					
	LN	12-23-18	25					
	MN	12-24-13	22	5				
	FN	12-42-58						
8th	LE?	3-54-03	20					
	ME	3-55-25	20		9			
	FE	4-05-53						
9th	?PEN	1-46-52	10-5					
	LN	1-54-22	12					
	LE	1-54-42	12					
	ME	1-55-40		7	4			
	FE	3-20-52						
15th	O	18-50-27						
	PEN	19-03-17	5					
	SEN	19-13-55	10					
	LN	19-26-01	50					
	LE	19-26-47	30					
	ME	19-36-13	20	27	114	9560		
	FE	21-50-57						
16th	LE	11-06-46	15					
	ME	11-07-52	20		3			
	FE	11-13-56						
18th	O	3-44-32						
	PE	3-57-09	6					
	PN	3-57-16	6					
	SE	4-07-44	12				O from NS 3h44m39s	
	SN	4-07-51	10					
	LE	4-28-31	30					
	LN	4-23-56	30					
	ME	4-29-59	30	62	131	9490		
	FE	6-26-56						
18th	O	20-31-53						
	PNE	20-40-20	6					
	SE	20-46-54	10				O from EW 20h32m03s	
	SN	20-47-02	10				Newfoundland.	
	LN	20-56-02	20					
	LE	20-56-04	12					
	MN	20-57-02	20	605	231	4990		
	FN	23-44-02						
18th	Small	record 23h 21m 02s to 23h 31m 02s					may be after-shock.	
23rd	O	0-16-22						
	PEN	0-26-18	8-6					
	SE	0-34-18	12					
	LE	0-47-28	30				SN 0h34m03s	
	ME	0-56-56	20		12	6440		
	FE	2-35-13						
23rd.	Small	quake 21h00m12s to 21h 08m 12s.						
28th	Small	quake 8h 33m 20s to 8h 38m 38s.						
28th	Small	quake 19h 55m 43s to 20h 03m 58s.						

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 h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
DECEMBER 1929.								
3rd	LE	8-21-57	20					
	ME	8-24-21	20					
	F	8-31-01						
4th.	Small quake 6-51-23 to 6-58-03							
4th	LE	12-33-28	10					
	ME	12-33-43	10					
	FE	12-36-03						
6th	Trace from 12-49-25 to 13-04-05							
6th	PE	?17-08-08	8					
	LE	17-56-30	20					
	ME	18-01-25	20					
	FE	18-30-05						
6th	PN	20-43-45	8					
	SN	21-00-15	12					
	LN	21-23-23	30					
	MN	21-26-25	30					
	FN	22-31-05						
9th	PE	?7-16-04	8					
	SE	?7-31-09	12					
	LE	7-48-14	30					
	ME	7-54-25	30					
	FE	9-13-04						
13th	LE	9-02-43	30					
	ME	9-07-41	20					FE 9-30-53
15th	PE	2-00-21	8					
	LE	2-02-09	15					
	ME	2-05-01	12					Small amplitude.
	FE	2-07-51						
16th	LE	12-08-59	20					
	ME	12-11-57	15					
	FE	12-29-49						
17th	PE	21-52-16	5					
	LE	22-10-14	30					
	ME	22-14-22	20					
	FE	22-42-54						
18th	Two small quakes at 7-45-54 to 8-10-54 & at 10-36-06 to 11-15							
19th	Trace from 19-54-14 to 20-08-27							
20th	Trace from 8-15-29 to 8-20-54							
24th	LN	5-13-56	20					
	MN	5-15-41	14					
	FN	5-28-01						
28th	L	12-34-25	20					
	ME	12-35-05	20					
	FE	12-38-10						Small amp.
30th	Small quake with M at 11-58-56, other phases uncertain.							

F. Napier Denison,  
Seismologist.

Jan - Dec 1930 3

**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 Period 12 seconds

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle Magnification 250  
Damping 20-1

No. AND DATE	Phase	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
JANUARY 1930.		h. m. s.	s.					
5th	LE	1-35-28	10					
	ME	1-41-08	12					
	F	2-11-58						
5th	O	18-52-16						
	PNE	19-02-05	6					
	SN	19-09-58	8					
	LN	19-20-56	20					
	MN	19-22-08	20				6320	
	F	19-41-56						
7th	LE	0-39-11	24					
	ME	0-41-39	22					
	F	0-11-01						
13th	PN?	5-25-52	6					
	LN	5-28-50	12					
	MN	5-30-37	10					
	F	5-38-52						
13th.	Small quake at 6h 06m;			14th.	Small quake at 21h 46m 26s.			
14th.	SE	?22-23-14	10					
	LE	22-37-19	20					
	ME	22-39-14	20					
	F	23-24-54						
16th	LE	0-32-17	10					
	ME	0-34-04	10					
	F	0-45-52						
17th	SE	?17-12-48	10					
	LE	17-17-36	20					
	ME	17-19-56	20					
	F	17-29-46						
18th	PE	? 7-27-13	10					
	SE	7-33-42	12					
	LE	7-44-57	30					
	ME	7-45-15	30					
	F	8-24-45						
20th	O	7-27-53						
	PE	7-35-39	6					
	SE	7-41-49	14					
	LE	7-53-09	23					
	ME	7-58-49	20				4390	
	F	8-32-39						
21st.	Small quake with L at 4h 00m 58s.							
25th	PE	2-02-34	5					
	LE	2-23-39	30					
	ME	2-24-04	30					
	FE	2-34-59						
28th	O	6-34-01						
	PE	6-42-35	6					
	SE	6-49-23	10					
	LE	6-59-08	30					
	ME	7-00-23	20				5100	
	F	7-28-03						

F. Napier Denison.



# 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

Period 12 seconds

Magnification 250

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle Damping 20-1

No. AND DATE	PERSE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
1930 March		h. m. s.	s.	μ	μ	μ		
1st.	PE	23-53-15						
	LE	23-53-50						
	ME	23-54-28						
	F	0-01-20						
6th	SEN?	15-59-07						
	LE	16-26-07						
	ME	16-28-13						
	F	17-00-55						
8th	PE	4-02-22						
	LE	4-13-52						
	ME	4-16-24						
	F	4-25-52						
10th	Small quake beginning at 16h 36m 12s.							
13th	PE	8-32-38						
	LE	8-33-08						
	ME	8-33-16						
	F	8-36-56						
17th	PE	4-31-20						
	LE	4-31-54						
	ME	4-32-12						
	FE	4-33-50						
20th	PN	?13-02-16						
	LN	13-19-46						
	MN	13-23-34						
	F	13-39-56						
26th	PEN	7-31-04						
	iN	7-39-02						
	SE?	7-40-44						
	LN	7-51-34						
	LE	7-57-14						
	MN	7-57-08		87				
	ME	8-05-12			29			
	F	9-59-34						
30th	Small quake with L at 9h 35m 46s.							
30th	Small quake from 15h 47m 56s to 16h 47m 01s.							
31st.	PEN	12-57-08						
	LE	13-14-33						
	ME	13-27-23						
	F	13-40-03						
F. Napier Denison.								

# 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, Verticle Period 12 seconds  
Magnification 250

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
				μ	μ	μ		
1900 April.		h. m. s.	s.					
15th	LE	11-24-14	20				NS too small to measure	
	ME	11-28-56	20					
	F	11-51-59						
16th	PE	14-31-42	10				690	
	PN	14-31-45	8					
	LE	14-32-58	20					
	LN	14-32-10	10					
	ME	14-34-00	10					
	FE	15-44						
21st	PE	12-12-32	5				PN 12-22-24	
	LE	12-58-54	20					
	ME	13-08-04	20					
	FE	14-35-34						
22nd	PE	13-15-34	5				680 NS clock stopped	
	LE	13-16-49	10					
	ME	13-16-59	10					
	F	13-25-59						
23rd	LE	18-32-39	5					
	LEN	18-37-00	10					
	ME	18-39-13	15					
	F	18-57-00						
23rd	PN	21-58-50	5				5790	
	PE	21-58-55	5					
	SEN	22-06-20	10					
	LE	22-15-50	30					
	ME	22-17-12	20					
	F	23-42-00						
26th	O	16-18-08					3870	
	MLN	16-25-16						
	SEN	16-30-56	10					
	LE	16-35-08	20					
	ME	16-35-38	20	100	59			
	F	18-24						
27th	LN	15-50-40	30					
	MN	16-02-40	20					
	F	16-25						
28th	LN	19-26-18	20					
	LN	19-29-10	20					
	F	20-02-00						
30th	PE	16-28-11	6					
	LE	16-28-23	10					
	ME	16-28-23	10					
	FE	16-59-59						

Minor Disturbances on the 4th, 9th, 10th, 11th, 13th, (2), 16th, 17th (2)

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  
 Period 12 seconds

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT Damping 20-1  
 Magnification 250

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
MAY 1960								
1st.	O	0-58-29	"	μ	μ	μ		
	P	1-09-08						
	S	1-17-48						
	LE	1-31-28						
	LN	1-27-43					7210	
	ME	1-32-13						
	F	2-02-28						
2nd	O	6-00-28						
	PE	6-14-30						
	PN	6-14-33						
	SE	6-26-25					11,290	
	LE	6-42-38						
	ME	6-50-13						
	F	7-15-58						
5th	O	13-56-17						
	PE	14-04-28						
	SE	14-10-55						
	LE	14-20-08						
	ME	14-42-40						
	F	17-38-58					4720	NS clock stopped
6th	O	22-35-57						
	PE	22-48-10						
	SEN	22-58-20						
	LE	23-15-30						PN 22-47-50
	ME	23-33-30						
	F	1-52-00						
8th	PE	13-59-41					9000	India
	LE	14-12-00						
	ME	14-24-10						
8th	PE?	15-59-20						F 15-01
	LE	16-19-10						
	ME	16-34-55						
	F	17-07						
8th	PEN	22-57-10						
	LE	23-00-20						
	ME	23-05-16						
9th	PEN	14-14-28						F 23-15
	LE	14-18-16						
	ME	14-22-51						
	FE	14-31						
10th	PE	22-21-50						
	LE	22-25-33						
	ME	22-27-15						
	FE	23-18						
14th	PE	19-44-30						
	LE	19-48-24						
20th	PE?	8-07-17						F20-54
	LE	8-25-52						
	ME	8-31-15						
20th	O	11-14-25						F9-06-57
	PE	11-21-47						
	SE	11-27-38						PN 11-21-57
	LE	11-31-47						SN 11-27-45
	ME	11-32-27						
25th	PEN	16-00-11					4060	F14-15-57
	MEN	16-00-16						Local tremor.
31st.	PE	10-22-53						
	L & M	10-24-10						
Minor	quakes	on the 2nd, 3rd, 11th, 12th, 13th, 16th, 18th, 19th, 19th, 21st,					700	
	21st,							

# 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, Verticle

Period 12 seconds  
 Magnification 250  
 Damping 20-1

No. AND DATE JUNE 1930.	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
1st.	P	13-26-50	s.	μ	μ	μ	9000	
	S	13-37						
	LE	13-52-10						
3rd.	ME	13-56-24	3 10 10				550	
	F	15-04						
	O	16-18-08						
	PE	16-19-22						
5th.	LE	16-20-22					9250	O, 11h43m08s
	ME	16-21-32						
	F	16-41-02						
	PE	11-55-33						
	PN	11-55-38						
	SEN	12-05-56						
11th	LE	12-18-03					9240	O, 0h50m44s.
	ME	12-23-29						
	FE	13-53-03						
	P	1-03-09						
	SE	1-13-32						
	SN	1-14-49						
	LE	1-32-57						
12th	ME	1-34-28	122	54			9240	O, 0h50m44s.
	FN	3-43-59						
	PE	9-51-32						
	LE	9-52-17						
	ME	9-52-39						
13th	FE	10-01-59					410	
	P	1-00-37						
	S	1-05-09						
	ME	1-18-09						
15th	FE	2-58-59					2850	O 0h54m55s
	SN	21-32-29						
	LN	21-54-39						
18th	MN	21-54-39					770	F 22h 58m 59s.
	PEN	15-51-59						
	LE	15-53-23						
21st.	ME	15-53-58					770	O, 15h 50m 17s
	FN	16-18-59						
	PEN	7-02-09						
	LEN	7-02-33						
23rd	F	7-06-58	3 10				220	O, 7h 01m 36s.
	PE	19-47-19						
	SE	19-59-09						
	LE	20-16-44						
25th	ME	20-18-59					11,210	O, 19h33m20s
	PEN	10-29-37						
	SE	10-39-17						
	LE	10-53-19						
25th	ME	11-03-37					8390	F20-58-09 O-10-17-56 F-13-19-07
	PE	21-32-46						
	SEN	21-43-06						
	LE	22-05-06						
27th	ME	22-06-38					9180	F-0-10-06 O-5-00-35
	PEN	5-01-26						
	LEN	5-02-06						
	F	5-19-06						
29th	PE	16-41-19					360	Queen Charlotte
	LEN	16-42-30						
	F	17-03-07						

Minor quakes recorded on the 4th, 6th, 8th, 15th, 25th (20h35m); 26th.

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 Period 12 seconds

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

Magnification 250

Damping, 20-1

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
1930 JULY								
1st.	P	1-11-00	"	μ	μ	μ		
	LE	1-12-40	15					
	ME	1-13-10	18					
	F	3-21			86		920	Queen Charlotte Isle.
1st.	O	21-05-27						
	PEN	21-17-40						
	SE	21-27-51	12					
	LE	21-41-50	20					
	ME	22-05-50	20			125	9010	
	F	0-27-00						
7th	PE	13-41-24?						
	SE	13-47-53						
	LE	13-56-08						
	ME	14-01-37	20			40	4750	
	F	15-25-04						
13th	O	1-00-36						
	PEN	1-01-30						
	LEN	1-03-05						
	ME	1-04-42	10			21	870	
	F	3-17						
13th	O	19-43-36						
	PE	19-50-42						
	PN	19-50-30						
	SEN	19-56-20						
	LE	20-06-50						
	ME	20-14-11					3840	
	F	21-23						
14th	O	22-40-33						
	PE	22-48-46						
	PN	22-48-49						
	SE	22-55-16						
	SN	22-55-19						
	LE	23-03-51						
	ME	23-09-11	20			352	4780	
	F	2-27-01						
17th	PEN	18-43-43						
	LE	18-50-48						
	LN	18-51-13						
	M	18-51-51						
	F	19-30-03					5880	
20th	O	11-09-58						
	P	11-15-32						
	S	11-19-57						
	L	11-27-02						
	M	11-28-07						
	F	12-15-02					2760	
20th	P	11-59-12	1					
	L&M	11-59-14	2	8		8	20	Local, felt in city
	F	11-59-42						
20th	P	14-28-30	1					
	L&M	14-28-31	1	3		3	19	Local tremor.
	F	14-28-42						
22nd	O	19-25-36						
	PEN	19-35-31						
	SE	19-43-20						
	SN	19-43-24						
	LE	19-50-50						
	ME	20-00-05						
	F	22-21					6240	

**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, Verticle

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
JULY 1930	(Continued)	m. s.	s.	μ	μ	μ		
23rd	O	0-08-21						
	P	0-21-00						
	SE	0-31-57						
	LE	0-47-30						
	ME	0-58-36						
	F	2-23-00					9750	
25th	P	21-39-12						
	LE	21-45-14						
	ME	21-48-08						
	FE	22-44-02						
27th.	O	15-00-46						
	P	15-09-11						
	SE	15-15-51						
	SN	15-15-36						
	LE	15-26-39						
	ME	15-33-09						
	F	16-09-01					4960	
27th	O	18-58-23						
	PE	19-06-43						
	SE	19-13-19						
	LE	19-22-31						
	ME	19-30-41						
	F	20-30-01					4880	
29th	O	6-24-31						
	PE	6-32-42						
	SEN	6-39-10						
	LE	6-49-32						
	ME	6-54-55						
	F	7-26					4740	
								F.Napier Denison.

# 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

Period 12 seconds.

Magnification 250

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle Damping 20-1

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
1930 AUGUST.								
2nd	P?	16-31-44	s.	μ	μ	μ		
	LE	16-48-56						
	ME	16-57-39						
	F	18-43						
4th	e	5-15-05						
	LN	5-23-50						
	MN	5-27-37						
	F	6-06-05						
5th	PEN	0-07-19						
	LE	0-15-01						
	ME	0-18-11						
	F	1-08-59						
18th	PE	10-13-22						
	PN	10-13-20						
	SN	10-25-06						
	SE	10-25-07						
	LN	10-50-02						
	MN	10-57-58						
	F	13-05-22					11,120	
20th	PEN	21-07-28						
	SE	21-17-13						
	SN	21-17-35						
	LE	21-36-20						
	ME	21-47-28						
	F	23-52-58					8490	
24th	PEN	9-32-35						
	LE	9-49-57						
	ME	9-53-32						
	F	10-49-57						
29th	O	8-27-28						
	PEN	8-36-50						
	SEN	8-44-19						
	LE	8-55-27						
	ME	9-01-53						
	F	9-53-59					5870	

Minor quakes recorded on the 1st at 7h 29m 03s; 10th at 0h 28m 32s; 13th at 5h 23m 29s; 17th at 13h 30m 32s; 19th at 5h 14m 59s; 19th at 5h 36m 59s; 23rd at 11h 11m 42s; 28th 14h 00m 59s.

F. Napier Denison,  
Seismologist.

# VICTORIA, B.C.

Seismographic Station, Meteorological Service of Canada

March-Dec  
1934

Period 12 seconds  
Damping 20-1  
Magnification 250

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

1934  
MARCH

1st	SEN	22-09-25	
	LN	22-25-33	
	MN	22-35-07	
	F	23-47-55	Amp. 50 microns.
4th	PE	6-19-54	
	LE	6-36-34	
	ME	6-39-32	
	F	7-14-54	
5th	H	11-48-33	
	P	12-00-42	
	S	12-10-52	
	LN	12-29-22	
	LE	12-34-37	
	ME	12-39-27	6980 Km. Amp. 43 microns
7th	H	22-52-47	
	P	22-57-00	
	SE	23-00-28	
	SN	23-00-35	2035 km.
	LE	23-06-48	
	F	0-19-00	
12th	H	15-04-29	
	P	15-08-02	
	L	15-10-57	1665 km.
	ME	15-11-57	
	MN	15-12-32	Amp. EW 462 microns
	F	17-44-02	NS 262 microns.
12th	H	18-12-04	
	PN	18-17-32	
	PE	18-17-57	
	SN	18-22-02	2810 km.
	SE	18-22-37	Amp. NS 256 microns.
	LN	18-24-20	
	F	19-59-02	
13th	H	13-12-24	
	P	13-24-51	
	SE	13-35-16	
	LE	13-51-13	
	ME	13-57-23	9320 km. 87 microns.
	F	16-11-03	
18th	H	4-33-08	
	PE	4-42-01	
	SE	4-49-17	
	LE	4-57-16	5555 km.
	M	4-58-13	
	F	5-35-08	
24th	H	12-04-46	
	P	12-17-20	
	S	12-27-52	9465 km.
	LE	12-41-10	Amplitude EW 219 microns
	LN	12-40-52	NS 262 microns.
	FE	16-36-50	
30th	H	4-06-22	
	P	4-11-09	
	SE	4-15-03	2355 km.
	SN	4-15-07	
	LE	4-17-12	
	F	4-28-57	

Minor quakes on the 1st, 4th, 6th, 9th (2), 14th, 15th (2), 16th (2), 17th, 20th, 22nd (2), 30th.

F. Napier Denison.



# VICTORIA, B. C.

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

APRIL 1934.

7th	L	2-19-46	
	ME	2-20-43	
	F	2-24-01	
9th	H	15-45-50	
	P	15-52-55	
	SE	15-58-44	4020 km. Amplitude
	LE	16-07-03	EW 50 microns
	ME	16-07-03	NS 10 microns.
	F	17-00-03	
12th	P	17-31-20	
	L	17-31-25	Felt on West Coast.
	F	17-31-50	
14th	P	21-31-33	
	L	21-32-40	
	M	21-32-43	
	F	21-38-00	
15th	H	22-16-24	
	P	22-29-14	
	S	22-39-42	9390 km.
	LE	23-00-27	Amplitude,
	LN	22-55-17	EW 75 microns
	MN	22-55-47	NS 132 microns.
26th	F	1-10-02	
	P	21-23-37	
	L	21-41-47	
	ME	21-47-27	
27th	F	23-38-57	
	H	20-53-55	
	P	21-06-31	
	S	21-17-05	9510 Km.
	ME	21-51-35	
F	23-52-55		

Minor quakes on the 10th (2); 11th, 24th, 26th (2), 28th.

MAY.			
2nd.	LE	10-05-04	
	F	10-19-54	
4th	PENV	4-40-32	Alaska. Amplitudes,
	L	4-44-12	EW, 396 microns
	M	4-47-02	NS 214 "
	F	7-59-52	V 25 "
5th	P	4-05-47	
	L	4-06-19	Felt in Victoria for a few seconds, also in Vancouver & Nanaimo.
	M	4-06-29	
	F	4-08-49	Pt. Ang. and Pt. Towns etc.
6th	PE	8-11-52	
	LEN	8-14-52	
	ME	8-16-07	
13th	F	8-22-47	
	H	9-03-08	
	P	9-15-09	
	SE	9-25-11	8780 km.
	SN	9-25-23	Amp. EW 50 microns
	LE	9-43-11	NS 33 "
	ME	9-43-21	
	F	11-39-01	
	14th	P	13-19-13
L		13-25-11	
ME		13-27-56	
F		14-21-01	

# VICTORIA, B. C.

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

1934.

May 14th	PEV 22-17-18		Amplitudes:
	PN 22-17-21		NS, 67 microns
	L 22-20-58		EW, 52 "
	MN 22-21-20		V 12 "
	FE 0-10-58		

Minor quakes on 1st, 4th, 5th, 9th, 13th, 15th, 19th,  
22nd, 26th, 28th.

## JUNE

2nd	H 13-42-48		
	PN? 13-51-56		
	SE 13-59-06		5780 km.
	BN 13-59-24		
	LN 14-08-58		
	F 15-24-06		
2nd.	H 16-45-26		
	P 16-49-51		
	SN 16-53-28		
	LN 16-55-26		2145 km.
	F 17-48-06		
9th	P 13-12-05		
	SE 13-24-27		
	SN 13-23-53		
	LE 13-41-53		11,335 km.
	ME 13-44-01		
	F 15-48-55		
13th	H 1-51-14		
	P 2-00-43		
	SE 2-08-31		
	SN 2-08-41		6120 km.
	LE ?2-24-15		
	F 3-46-03		
13th	H 22-12-42		
	PE 22-24-47		
	PN 22-24-24		8855 N. India,
	S 22-34-52		Amp. EW 62 microns
	LE 22-54-37		NS 33 "
	ME 23-10-24		
	F 0-49-02		
18th	H 9-13-45		
	P 9-18-20		
	LE 9-22-04		
	LN 9-22-15		2220 km.
	F 10-31-55		
24th	S 1-56-57		
	LE 2-03-27		
	F 2-36-47		
24th	H 5-59-41		
	PE 6-12-05		
	SE 6-22-27		9245 km.
	SN 6-22-35		
	LE 6-35-35		
	F 8-46-47		
29th	P 8-43-22		
	LE 8-55-50		
	M 8-58-44		
	F 9-52-52		

Minor quakes on the 5th, 6th(2), 12th, 15th(2), 22nd, 23rd, 24th,  
27th, 28th and 30th.

F. Napier Denison.

# VICTORIA, B. C.

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

1934  
JULY

10th	P	1-20-13	
	LE	1-27-43	
	LN	1-27-30	
	F	2-12-50	
16th	P	8-32-16	
	L	8-38-21	
	ME	8-40-19	
	FR	9-02-51	
18th	H	1-36-29	
	PN	1-45-42	
	PE	1-45-45	5910 km.
	SN	1-53-16	Amplitude EW, 360 microns
	SE	1-53-21	NS, 725 "
	LN	1-59-06	
	LE	2-00-56	
	F	7-39-56	
18th	H	16-59-29	6080 km.
	P	17-08-55	Amplitude EW 26 microns
	SE	17-16-40	NS, 75 "
	SN	17-16-45	
	L	17-31-55	Merged into next quake.
18th	H	19-40-14	
	P	19-52-54	9620 km.
	SE	20-03-32	Amplitude:
	SN	20-03-34	EW, 651 microns
	LE	20-19-52	NS, 273 "
	LVN	20-19-54	V, 20 "
	F	0-19-54	
19th	H	0-06-53	
	P	0-19-34	9620 km.
	S	0-30-12	Merged into next
	LE	0-46-24	quake.
	LN	0-46-54	
19th	H	7-37-16	
	P	7-49-43	9310 km.
	SE	8-00-08	EW amp. 69 microns.
	SN	8-00-28	
	LE	8-17-00	
	F	10-50-55	
20th	H	18-10-38	
	P	18-23-05	9310 km.
	SE	18-33-30	
	LE	18-49-08	
	F	21-35-50	
21st.	H	6-18-03	10,155 km
	PE	6-31-08	Amp. EW, 113 microns
	S	6-42-09	NS, 167 "
	LE	6-57-49	F 14h 25m 49s.
	F	10-43-50	
21st.	H	10-39-25	
	PE	10-48-27	
	S	10-55-51	8855 km.
	LE	11-06-55	F 5h 40m 48s.
	LN	11-07-50	
22nd	H	11-21-03	
	P	11-37-23	Amp. 273 microns
	L	21-41-50	F 1h 17m
	P	21-45-50	

28th

Minor quakes on 4th, 7th, 10th, 18th(3), 19th(2), 20th(2), 27th and 28th.  
F. Napier

# 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, Verticle

Period 12 seconds.  
Damping 20-1

Magnification 250  
REMARKS

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
AUGUST 1934.								
2nd.	H	7-13-10						
	PEN	7-17-39						
	SEN	7-21-19						
	LE	7-23-05						
	ME	7-24-13						
4th	PE	13-32-05					2180	
	LE	13-51-20						
	ME	13-57-48						
7th	H	3-40-10						
	PN	3-52-50						
	SN	4-03-28						
	LN	4-15-54						
	MN	4-23-28						
	PE	12-21-50					9610	
	LE	12-43-35						
12th & 13th.	H	23-50-54						
	PEN	0-03-13						
	SE	0-13-30						
	LE	0-34-05						
15th	ME	0-35-03					9135	
	H	11-03-36						
26th	PE	11-12-30						
	SE	11-19-22					5420	Other phases too indefinite.
	H	1-33-50						
31st.	PN	1-38-31						
	SN	1-42-21						
	LN	1-46-03					2300	
	MN	1-50-21						
	H	5-02-43						
31st.	PEN	5-09-26						
	SE	5-14-55						
	LE	5-19-25						SN 5h 15m 13s.
	ME	5-23-45	12	137		3710		
31st.	PN	15-21-41						
	LEN	15-47-06						
	ME	15-52-46						
Minor quakes on the 1st, 3rd, 7th, 9th, 11th(2), 12th, 13th, 14th, 19th, 21st(2), 24th and 28th.								
SEPTEMBER 1934.								
2nd.	PEN	9-26-29						
	LE	9-29-38						
4th.	H	16-34-31						Small amplitude.
	PEN	16-47-16						
	SE	16-57-58						
	LEN	17-16-58						
14th	LEN	17-29-43					9710	
	ME	17-30-51						
15th	H	6-56-50						
	PN	7-03-17						
	SN	7-08-34						
	LN	7-15-34					3510	Amp. 105 microns
25th	PE	19-37-45						
	LE	20-06-56						
	ME	20-11-48						
Minor quake records on the 2nd, 6th, 8th, 23rd, & 26th.								

# 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

Period 12 seconds.

Magnification 250

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

Damping 20-1

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
OCTOBER 1934								
10th	H	15-46-49	s.	μ	μ	μ		
	P	15-56-05						
	S	16-03-41						
	L	16-09-55						
	M	16-10-17				23	5910	
18th	H	7-48-11						
	PE	8-00-56						
	SEN	8-11-38						
	LE	8-27-52						
	M	8-33-05	20		47		9710	
	F	10-47-56						
19th	PE?	13-18-26?						
	LE	13-19-24						
	EE	13-21-54						
25th	P	8-53-37						
	LE	8-54-56						
	ME	8-55-42			17		720	
	F	9-06-57						
25th	PE	11-13-03						
	LE	11-14-30			5		800	F 11h19m57s.
26th	PE	17-23-00						
	SE	17-32-56						
	LE	17-48-18						
29th	PE	2-44-34						
	LE	2-47-07						
	ME	2-50-24	14		26			
Minor quake records on 21st, 25th, 27th and 29th. Microseisms, 9th.								
NOVEMBER, 1934.								
3rd	PE	14-51-03						
	LE	14-51-04			8			Felt in Puget Sound District, also here.
	F	14-52-55						
4th	SE	3-37-35						
	LE	3-51-23						
	ME	4-06-16			21			
5th	H	23-03-16						
	PE?	23-09-19						
	SE	23-14-17						
	LE	23-18-09			29		3210	
	F	0-49-59						
18th	PE	15-14-15						
	LE	15-14-43						
	ME	15-20-40			12			F 15:30:55
18th	PE	22-57-23						F 0h 05m 55s.
	SE	23-05-32						
	LE	23-17-35						
	ME	23-25-25			17		6500	
27th	SE	? 6-38-39						
	LE	6-57-01						
	ME	7-04-19			12			
30th	H	2-06-37						
	P	2-11-55						
	SE	2-16-17						
	SN	2-17-11						
	LE	2-21-59						
	ME	2-24-49			137		2700	
	F	4-58-59						
Minor quake records on the 4th, 10th, 12th, 16th, 18th (2), 24th & 28th.								

# VICTORIA, B. C.

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

Period 12 seconds,  
Damping 20-1  
Magnification 250

DECEMBER 1934.

3rd.	H	2-38-30		
	P	2-46-37		
	S	2-53-15		
	LE	3-00-55		
	M	3-03-55		4880 km.
12th	PE	9-02-57	4	
	PN	9-02-56	4	
	L&MN	9-02-56	4	
	FE	9-03-13		Local and felt in some parts of City.
4th.	PE	17-38-06		
	PN	17-38-16		
	LEN	17-46-58		
	F	19-08-56		
15th	H	2-05-38		
	P	2-14-55		
	S	2-22-32		
	LE	2-41-49		5935 km.
	LN	2-42-03		
	F	4-46-55		
22nd	SE	14-45-59		
	LN	14-51-57		
	LE	14-52-57		
	F	16-09-57		
23rd.	L	10-15-16		
	ME	10-16-37		
	F	10-47-56		
30th	H	13-52-17		
	PEN	13-56-17		
	SE	13-59-35		1910 km. amp. 310 microns
	SN	13-59-28		
	L	14-00-25		
31st.	H	18-45-57		
	PENZ	18-49-55		
	SEN	18-53-53		
	SZ	18-53-40		2400 km. Amp. 381 microns.
	LZ	18-56-35		Z Amp. 137 microns
	MEN	18-57-25		
	MZ	18-57-55		

Minor quakes on the 3rd, 8th, 15th, 17th, 24th and 25th.

F. Napier Denison,  
Superintendent.

# VICTORIA, B.C.

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

Period 12 seconds.  
Damping 20-1  
Magnification 250

## JANUARY 1935

2nd.	P	22-43-04	850 km.
	S	22-44-36	
	LE	22-46-16	
	F	23-48-54	
4th	SE	15-05-05	
	LE	15-21-47	
	ME	15-31-22	
	F	16-08-52	
17th	PE	2-32-00	
	PN	2-32-06	
	LE	2-46-00	
	F	3-12-58	
24th	H	7-24-00	3210 km.
	P	7-30-03	
	S	7-35-01	
	ME	7-40-01	
	F	9-51-01	

Minor quakes recorded on the 3rd, 4th, 19th, 31st. Large microseism on 20th-21st, and 21st-22nd. Moderate microseisms 30-31st.

## FEBRUARY 1935.

20th	LE	11-47-45	
	M	11-48-18	
	F	11-57-04	
22nd	H	17-06-27	3910 km. H from NS 17h 05m 55s.
	PEN	17-13-24	
	SE	17-19-06	
	SN	17-19-34	
	LE	17-23-56	
	F	21-00-04	
24th	LEN	1-54-43	
	ME	1-55-13	
	F	2-01-03	
25th	P	3-15-50	
	L	3-32-53	
	F	4-01-02	

Minor quake record on 2nd. Moderate microseisms on 12th-13th.

## MARCH 1935.

2nd.	P	13-10-09	500 km.
	LE	13-11-04	
	ME	13-11-35	
	F	13-17-09	
20th.	H	23-14-06	4235 km.
	PE	?23-21-26	
	SE	?23-27-28	
	L	23-39-06	
	M	23-58-16	
	F	24-30-56	
29th	PN	12-48-33	
	L	13-08-18	
	MN	13-12-03	
	F	14-04-53	

Minor quakes on the 5th (2), 13th, 14th (2), 17th.  
Strong micros on 24th-25th, 30th, 31st.

F. Napier Denison.

# VICTORIA, B. C.

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

Period 12 seconds.  
Magnification 250  
Damping 20-1

\* APRIL 1935.

11th	H	23-15-33	9665 km.	
	PN	23-28-16		
	S	23-38-56		
	L	23-59-41		
	M	24-14-38		
18th.	PN	22-30-28		
	<del>KEN</del>	22-32-18		
	M	22-33-04		
19th	F	22-49-58		
	PN	15-35-47	10,580	Amplitude 96 microns.
	SN	15-47-05		
	LN	15-58-35		
	M	16-15-12		
F	18-24-57			
20th	PN?	5-52-57		
	S?	5-59-37		
	L	6-06-17		
	M	6-07-15		
20th	P?	22-25-32		
	LE	22-49-33		
	ME	22-54-23		
	F	24-12-56		

Minor records on the 1st, 3rd, 5th (2); 11th, 19th(2); 24th, 29th.

F. Napier Denison.



# VICTORIA, B. C.

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milae-Shaw, One Weichert, Vertical

SUBSOIL, Rock

Period 12 seconds  
Damping 20-1  
Magnification 250

MAY 1935

14th	ePN	23-43-21	
	eL	0-17-19	
	M	0-29-38	
24th	H	5-37-29	
	ePEN	5-50-02	
	eS	6-00-32	
	eLE?	6-20-29	
	M	6-27-25	9435 km.
30th	H	21-34-16	
	ePEN	21-47-08	
	iSE	21-57-57	
	eLE	22-15-07	9865 km.
	M	22-33-37	

Amp. 589 microns

Minor quake records on the 1st, 2nd, 7th, 11th, 12th, 13th(2), 15th, 16th(2), 17th, 18th(2), 20th, 21st(2), 23rd, 25th, 26th, 27th, 31st.

JUNE 1935.

19th	ePE	22-38-18	
	eL	22-55-58	
	M	22-57-31	
24th	H	23-23-16	
	iPE	23-35-52	
	iSE	23-46-26	
	eL	0-09-54	
	M	0-18-26	9510 km.
29th	H	6-48-53	
	iP	6-55-36	
	iS	7-01-06	
	eLE	7-06-42	
	ME	7-08-07	3720 km. Amp. 105 microns

Minor quake records on the 2nd, 7th, 11th, 16th, 18th, 22nd, 25th, 28th(2).

JULY 1935.

17th	eP	11-05-30	
	eLE	11-51-18	
	ME	12-03-40	Formosa.
19th	H	0-50-36	
	ePE	1-00-52	
	iSE	1-09-24	
	eL	1-31-59	
	ME	1-38-21	6900 km.
29th	H	7-38-53	
	iPE	7-50-37	
	iSE	8-00-04	8445 km.
	eL?	8-13-02	

Minor quake records on the 5th(2), 6th, 7th, 9th, 10th, 11th, 13th, 15th(2), 16th, 17th(2), 26th(2), 29th & 30th.

F. Napier Denison.

**VICTORIA, B. C.**

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR, 222 feet above sea level.  
Period 12 seconds.INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical  
1935 AUGUST.Damping 20-1 **SUBSOIL, Rock**  
Magnification 250

1st.	ePEN?	16-19-00	
	eLE	16-37-18	
	ME	16-38-52	18 microns. amp.
3rd.	H?	1-16-02	
	ePN?	1-29-35	
	eSNE?	1-41-00	
	eLNE	2-01	
	MN	2-21-10	63 microns. 10,835 km?
17th	H	1-45-07	
	ePEN	1-57-39	
	eSEN	2-08-09	
	iL	2-26-59	
	MN	2-28-32	122 microns. 9420 km.
22nd.	ePE	20-38-31	
	eLE	20-48-36	
	ME	20-51-35	
	F	22-02	
25th	H	5-07-53	
	ePE	5-16-39	
	ePN	5-16-42	
	iSE	5-23-49	
	iSN	5-23-54	
	iLE	5-31-19	
	eLN	5-32-19	5490 km.
Minor quake records on the 1st, 4th(2), 6th, 7th, 10th, 11th, 15th(3), 20th(2), 21st(2), 23rd(2), 26th(2), and 31st(2).			
<b>SEPTEMBER.</b>			
9th	H	6-19-26	
	ePEN	6-30-44	
	iSE	6-40-59	
	iSN	6-41-06	
	iL	6-53-59	9100 km.
11th	H	14-04-05	
	iPEN	14-13-58	
	iS	14-22-07	
	iLN	14-28-51	
	eLE	14-32-38	
	MN	14-29-36	amp. 250 microns. 6500 km.
15th	ePE	11-39-11	
	ePN	11-39-24	
	eLN	11-53-24	
	eLE	11-57-46	
15th	H	14-09-17	
	ePE	14-20-54	
	eSE	14-30-35	
	eLE	14-45-44	8310 km.
19th	ePE	2-50-28	
	eLE	3-08-51	
	M	3-11-51	
20th	H	1-47-42	
	iPE	2-00-11	
	iSE	2-10-38	
	iL	2-30-09	
	ME	2-33-25	amp. 483 microns. 9355 km.
	ePZ	2-00-48	
	iLZ	2-30-12	
	MZ	2-41	amp 19 microns.
20th	H?	5-22-11	
	iPE	5-36-35	
	iSE	5-49-00	
	iLE	6-06-31	
	ME	6-08-05	amp. 53 microns. Approx. 12,000 km.

**VICTORIA, B.C.**

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR, 222 feet above sea level

INSTRUMENTS: Two Mile-Shaw, One Weichert, Vertical

SUBSOIL, Rock

SEPTEMBER 1935 (continued)			
23rd.	cPE	9-27-37	
	cLE	10-01-29	
	M	10-03-18	amp. 42 microns.
<del>23rd.</del>			
24th	iPENZ	22-13-20	810 Km.? Off Coast of
	S & iLEN	22-14-48	Queen Charlotte Islands.
	eS&LZ	22-14-50	Amp. EW 167 microns
	MENZ	22-15-30	NS 193 "
	FE	1-08-00	Z 190 "
30th	cPN	19-08-59	
	eLN	19-24-46	
	M	19-29-24	India
Minor quake recors on 4th; 10th(3); 11th; 18th(2); 20th; 24th(2); 26th(2) and 27th.			
<b>OCTOBER.</b>			
2nd.	H	5-33-14	
	iPEN	5-42-59	
	iSEN	5-51-01	
	eLE?	6-01-40	6380 km.
9th	cPE?	22-27-09	
	eLE	22-35-09	
	M	22-37-19	
11th	eSN?	22-41-31	
	eSE?	22-41-50	
	eLE	22-58-58	P obscured by micros.
	eLN	22-56-08	Afghanistan
	ME	23-06-33	
12th	cPN	7-54-13	
	iS&LEN	7-54-53	
	MN	7-55-08	amp. 28 microns $\frac{7}{8}$ Montana
12th	H	16-44-39	
	cPE?	16-55-28	
	cPN?	16-55-40	
	iSE	17-04-28	
	iSN?	17-04-20	
	eLE	17-20-48	7455 km.
18th	H	0-12-23	
	cP	0-22-33	
	iS	0-30-59	
	cL	0-48-59	
	ME	0-56-39	6790 km.
18th	H	11-05-36	
	ePE	11-17-56	
	iSE	11-28-14	9155 km. L on EW
	eLN	11-40-30	indefinite, merged with
	ME	11-52-45	S
19th	ePE	4-50-03	
	cPZ	4-50-04	
	iS&L	4-51-59	1080? Km. Montana.
	MEN	4-52-29	Amplitudes: EW 186 microns
	MZ	4-52-51	NS 146 "
	FN	6-13-59	Z 25 "
31st.	cNZ	18-40-40	
	SN	18-42-08	
	eL&MZ	18-42-00	Amp. NS, 135 microns
	LN	18-42-36	Z 31 "
	MN	18-43-36	
	FN	20-00-00	

Minors quake records on 1st, 7th, 8th, 15th, 18th, 19th &amp; 25th.

**NOVEMBER 1935.**

1st.	cN	6-11-13	
	cN	6-15-45	
	LN	6-19-06	
	MN	6-20-45	
1st.	cN	16-47-00	Amp. 105 microns.
	LN	17-08-00	

~~10thXXXXXXXXXXXXXX 18-45-40~~

# VICTORIA, B.C.

## Seismographic Station, Meteorological Service of Canada

LAT., 48° 24' N. LONG. 123° 19' W. HEIGHT OF PILLAR, 222 feet above sea level

November 1935 continued.  
INSTRUMENTS—Two Mine-Shaw, One Weichert, Vertical

SUBSOIL, Rock

10th	ePN	18-45-40	
	eLN	18-54-03	
	MN	18-58-42	
14th	ePE	20-20-06	
	eLE	20-38-12	
	ME	20-40-40	Florida
23rd.	eLE	8-23-50	
	ME	8-26-35	
28th	iLE	14-45-58	
	ME	14-46-13	Montana, P obscured by micros.
29th	iPEN	14-15-38	
	iLEN	14-15-39	
	F	14-15-54	Local quake, not felt
30th	H	3-39-51	
	ePEN	3-49-00	
	iSE	3-56-30	
	iSN	3-56-37	
	eLE	4-10-35	5800 km.
	eLN	4-11-10	
	MN	4-17-41	

Minor quake records on 4th (3); 5th, 7th, 9th, 13th, 17th & 25th.  
Large micros on 15th.

### DECEMBER.

5th	ePN	18-13-05	
	eLN	18-27-24	
	MN	18-30-55	
7th	iP	23-48-25	
	iL	23-49-15	
	ME	23-49-26	
	MN	23-49-33	
	F	23-50-05	Local quake.
9th	eLE	8-23-28	
	ME	8-34-39	P obscured by micros.
14th	iP	1-41-53	
	iLE	1-50-30	
14th	H	22-05-14	
	ePEN	22-13-10	
	ePZ?	22-13-12	eLZ 22h 29m 15s. Mexico.
	SEZ	22-19-40	Amp. EW, 349 microns
	iSN	22-19-47	" NS 297 "
	iLEN	22-27-50	" Z 13 "
15th	iPE?	7-31-49	
	eS&LE	7-40-49	
	ME	7-58-01	Amp. 152 microns.
17th	iP	19-41-00	
	iLN	19-53-00	
20th	ePE	7-54-32	
	iLE	7-55-49	
20th	iPE	19-00-13	California
	eLE	19-18-28	
21st	ePN	12-05-17	
	eLN	12-14-20	
24th	H	12-24-08	
	ePE	12-34-12	
	iSE	12-42-33	
	eLE	12-54-41	6700 Km.
28th	iPE	2-55-44	
	iPSE	3-12-44	
	eLE	3-41-36	Amp. EW 213 microns
	ME	3-48-39	NS 394 "
30th	ePN	0-00-25	Z 15 "
	eLN	0-30-39	

Minor records on 3rd(2), 17th, 18th, 21st(2), 29th(2)  
Large micros on 10th & 11th; 14th & 15th; 17th & 18th.

F. Napier Denison

Jan - July 1936

**VICTORIA, B.C.**

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS - Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

1936.  
January.

2nd.	ePE	0-56-07	
	ePN	0-56-19	
	eLE	1-01-27	
	ME	1-03-20	
	F	1-46-57	
2nd.	eP	22-55-37	
	eLE	23-39-27	
	eLN	23-39-17	
	F	1-27-57	
14th	ePE	5-59-39	
	eS&L	6-35-17	
	ME	6-51-39	
	F	8-10-59	
14th	cP	14-26-59	
	iSor L	14-34-09	
	ME	14-34-39	
	F	15-58-59	
14th	ePE	18-04-51	
	eLE	18-28-29	
	ME	18-30-39	
	F	19-24-59	
20th	H	?17-05-12	
	eP	17-13-48	
	eSE?	17-20-50	
	eL	17-36-48	
	ME	17-42-30	5300 Km.
	F	19-28-48	

Minor records of quakes on the 13th; 14th; and 21st.  
Strong microseisms shown on 4th & 5th; 8th & 12th; 15th.

F. Napier Denison.

**VICTORIA, B.C.**

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

Period 12 seconds  
Damping 20-1  
Magnification 250.  
SUBSOIL, Rock

FEBRUARY 1936.

7th	ePN	9-19-41	
	eL	9-34-39	
	M	9-52-23	
14th	iP	0-33-44	amp. 41 microns.
	iL	0-33-57	
	ME	0-34-09	
15th	H	12-55-53	Montana.
	eP	13-05-02	
	iSE	13-12-32	amp. 52 microns.
	iLE	13-29-12	5800 km.
	ME	13-39-51	
21st	eP	17-21-04	
	eLE	17-40-45	
	ME	17-53-41	
22nd	ePN?	15-52-30	
	eLN?	16-27-05	
	MN	16-38-54	May be two quakes.
28th	eLE	3-13-22	
	ME	3-21-55	

Minor quakes on 3rd, 7th, 8th(2), 10th, 16th, 18th, 21st(2), 22nd, 27th.

MARCH 1936.

1st.	eL?	11-40-08	
	ME	11-46-28	P obscured by micros.
2nd	H	3-19-35	
	eP?	3-29-30	
	iS	3-37-41	6535 km.
	eL?	3-52-14	
	ME	3-58-16	
4th	iP	18-18-22	
	eL	18-18-32	Folt at Pachona Point,
	ME	18-18-37	West Coast of V.I.
	F	18-20-35	Amplitude 5 microns.
14th	iP & L	14-43-13	
	M	14-43-14	Amp. 3 microns.
	F	14-43-27	Local tremor.
21st	iP	0-15-04	
	eL	0-28-14	
22nd	iP	12-39-57	
	eL	12-57-19	
	ME	13-02-24	
25th	ePE	9-09-44	
	ePN	9-09-31	
	eLN	9-25-21	
	eLE	9-25-36	
	MN	9-29-14	Amp. 21 microns.

Minor quake records on the 5th, 6th, 10th(2/), 14th, 18th, 20th, 25th, 26th, 27th, 29th.

28th, Local quake felt at Vernon, Kamloops and Salmon Arm B.C.  
Large micros on the 7th and 8th.

F. Napier Donison.

**VICTORIA, B.C.**

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

1936.		Period 12 seconds	
APRIL		Damping 20-1	
		Magnification 250	
1st	H	2-10-32	
	ePE	2-23-13	
	iS	2-33-51	
	iL	2-56-01	9610 km.
1st	iP	20-35-18	amp. 98 microns.
	eL?	20-52-31	
	F	22-52-01	
2nd.	eP	6-40-41	
	eL	6-54-01	
	MN	6-54-11	Amp 50 microns.
	F	8-55-01	
12th	H	20-51-09	
	eP	21-04-03	
	iSE	21-14-53	
	eL	21-33-12	
	M	21-34-52	9900 km.
19th	H	5-07-09	
	eP	5-20-05	
	iS	5-30-57	9950 km.
	eL	5-48-05	Amp. 57 microns.
	ME	5-52-23	
	F	9-10-05	
19th	eL	9-55-05	
	ME	10-14-05	
	F	11-46-05	
22nd.	iP	5-33-18	
	M	5-53-19	Local tremor.
	F	5-53-40	Amplitude 9 microns
23rd.	H	23-14-28	
	iP	23-21-31	
	iS	23-27-18	4000 km.
	eL?	23-31-00	
	F	1-55-00	
27th	eP	0-23-26	P may be S phase.
	eL	0-38-40	
	M	0-50-48	
	F	1-44-58	
27th	eP	6-45-45	P may be S phases
	eLN	6-59-38	
	F	7-53	
28th	ePE	6-02-17	
	eLE	6-21-00	NS clock stopped.
	ME	6-29-51	
	F	7-31-00	
30th	iP	10-57-02	
	iS	10-58-12	
	iLE?	10-58-46	640 Km.
	ME	11-01-44	
	F	12-21	

Minor records on the 9th (2), 14th, 22nd, 26th, 28th, 29th(2).

**VICTORIA, B. C.**

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR, 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

1936. MAY.

11th	H	17-43-38	
	iP	17-51-10	
	eS	17-57-22	
	eL?	18-04-52	
	F	20-50-02	
16th	eP	7-30-00	
	eL?	7-53-05	
	M	7-58-18	
	F	9-48-05	
20th	H	3-05-21	
	eP	3-18-11	
	iSE	3-28-58	
	SS	3-35-05	
	SSSN	3-39-25	9820 km.
	PPSE	3-30-11	amp. 50 microns.
	eLE	3-47-23	
27th	H	6-19-20	
	eP	6-33-03	
	PPN	6-37-03	
	eS?	6-44-38	
	SKSN	6-43-41	11,020 km.
	eL	7-06-35	Amp. 85 microns.
	MN	7-19-43	
28th	F	9-36-03	
	H	18-49-00	
	eP	18-56-47	
	iS	19-03-10	
	eLE	19-08-05	4600 km.
	ME	19-13-20	Amp. 68 microns.
F	21-32		

Minor quakes on the 8th, 10th, 11th, 21st, 22nd(2), 24th &amp; 25th.



**VICTORIA, B.C.**

Seismographic Station, Meteorological Service of Canada

LAT., 48' 24" N. LONG. 123' 19" W. HEIGHT OF PILLAR. 222 feet above sea level

INSTRUMENTS—Two Milne-Shaw, One Weichert, Vertical

SUBSOIL, Rock

1936. JUNE

3rd.	ePEN	9-17-08	
	iSE	9-18-50	
	iSN	9-18-56	940 km.
	iLE	9-20-20	amplitude 86 micron
	ME	9-21-48	
10th	H	8-22-17	
	eP	8-36-18	
	iS	8-48-10	11,480 km.
	eL?	9-11-17	
30th	H	15-06-40	
	iP	15-15-10	5,220 km.
	PP	15-17-02	
	iS	15-22-07	
	SSE ?	15-25-37	Amp. 74 microns.
	LE?	15-29-14	
	MN	15-33-15	

Minor quake records on 6th, 7th, 10th(2), 12th, 14th, 16th, 22nd, 27th, 28th, 29th, 30th(2).

JULY 1936.

3rd.	iPE	3-22-14	
	eL?	3-40-16	
5th	eP	19-12-52	
	eLE?	19-40-52	11,550 km.?
	ME	19-41-10	Amp. 42 microns.
13th	H	11-12-17	
	iP	11-24-58	9,600 km. Chile
	iS	11-35-35	
	eL	11-53-23	Amp. 88 microns.
	ME	12-00-21	
16th	ePENZ	7-08-50	
	iS	7-09-45	
	L	7-09-55	
	ME	7-10-20	500 km.
23rd	eP?	6-32-23	
	oS?	6-42-53	
	oL?	6-55-55	
26th	H	7-36-56	
	eP	7-49-31	9480 km.
	iS	8-00-03	
	oL	8-17-16	
31st.	H	17-41-00	
	ePE	17-46-54	
	oSE	17-51-45	3100 km.
	oLE	17-55-00	
	ME	17-58-54	

Minor quake records on the 3rd, 4th, 6th, 12th, 14th, 15th, 22nd, 23rd, 25th(2), 27th, 28th(2), and 30th.