

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.

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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.

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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 _N	A _E	A _Z		
				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.

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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

INSTRUMENTS—Two Milne-Shaw, One Weichert, Verticle

Magnification 250

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,							

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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 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	122	54			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					410	
	FN	3-43-59						
	PE	9-51-32						
	LE	9-52-17						
	ME	9-52-39						
13th	FE	10-01-59					2850	O 0h54m55s
	P	1-00-37						
	S	1-05-09						
	ME	1-18-09						
15th	FE	2-58-59						F 22h 58m 59s.
	SN	21-32-29						
	LN	21-54-39						
18th	MN	21-54-39					770	O, 15h 50m 17s
	PEN	15-51-59						
	LE	15-53-23						
	ME	15-53-58						
21st.	FN	16-18-59	3 10				220	O, 7h 01m 36s.
	PEN	7-02-09						
	LEN	7-02-33						
23rd	F	7-06-58					11,210	O, 19h33m20s
	PE	19-47-19						
	SE	19-59-09						
	LE	20-16-44						
25th	ME	20-18-59					8390	F20-58-09 O-10-17-56 F-13-19-07
	PEN	10-29-37						
	SE	10-39-17						
	LE	10-53-19						
25th	ME	11-03-37					9180	F-0-10-06 O-5-00-35
	PE	21-32-46						
	SEN	21-43-06						
	LE	22-05-06						
27th	ME	22-06-38					360	Queen Charlotte
	PEN	5-01-26						
	LEN	5-02-06						
29th	F	5-19-06						
	PEN	16-41-19						
	LEN	16-42-30						
		F	17-03-07					

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

F. Napier Denison,
 Seismologist

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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	

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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.

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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.