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SEISMOLOGICAL SERIES
of the
DOMINION OBSERVATORY

Seismological Bulletin
April - June
1960

Seismological Service
of Canada

OTTAWA, CANADA

Department of Mines and Technical Surveys

DOMINION OBSERVATORIES

SEISMOLOGICAL BULLETIN - 1960

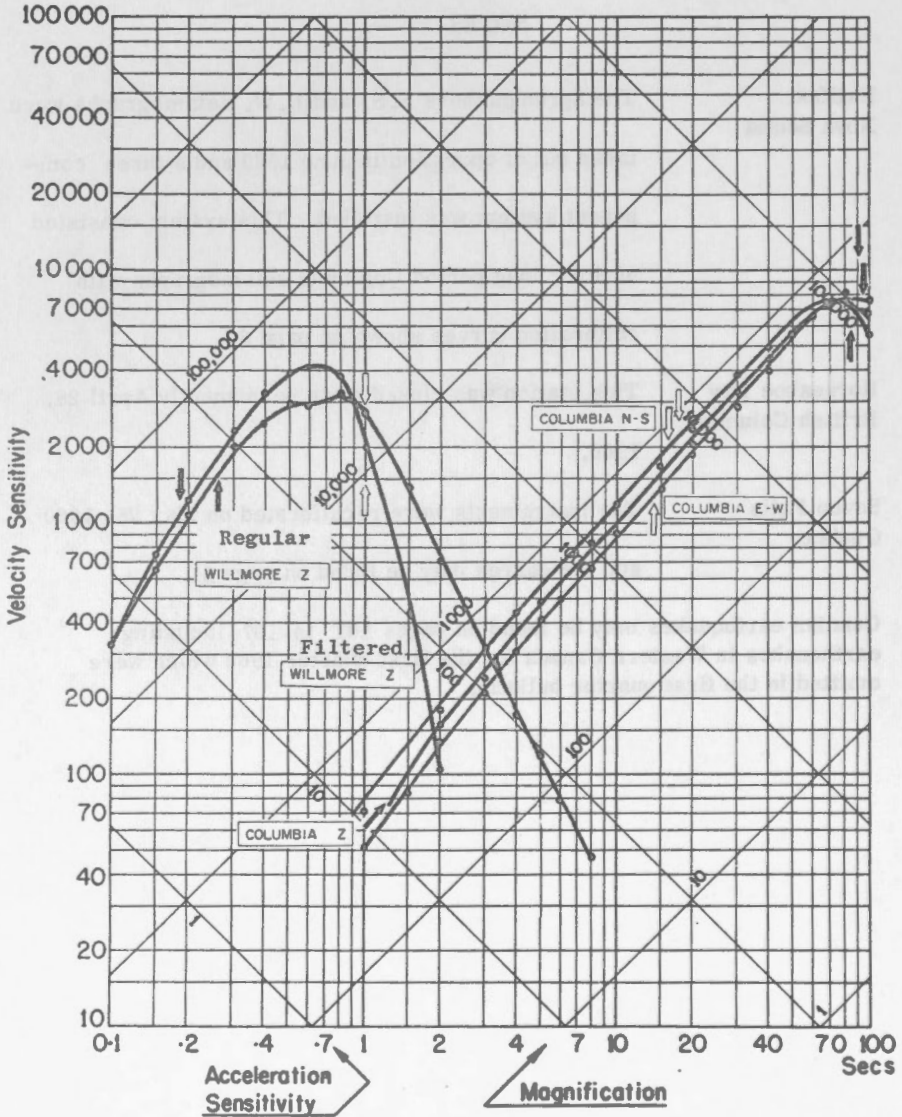
APRIL - JUNE - 1960

NOTES

1. Halifax
Nova Scotia The Sprengnethers N. S. and E. W. seismographs were taken out of operation in June 1960 and a three component system was installed. This system consisted of three long period Columbia seismographs with calibration curves shown on page 60.
2. Horseshoe Bay
British Columbia This station was closed down permanently April 28, 1960.
3. Seven Falls
Quebec The instruments were recalibrated on May 28, 1960 and the curves may be found on page 61.
4. Candian earthquakes may be found on pages 101 to 107 including earthquakes in Western Canada for the first quarter 1960 which were omitted in the first quarter bulletin.

CALIBRATION CURVES

STATION: HALIFAX



$\phi = 44^{\circ}38'N$

$\lambda = 68^{\circ}36'W$

Altitude 56 M

Foundation : Carbonaceous slate

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: June 1960

Columbia LP-EW June 10/60

Regular Willmore SPZ - June 3/60

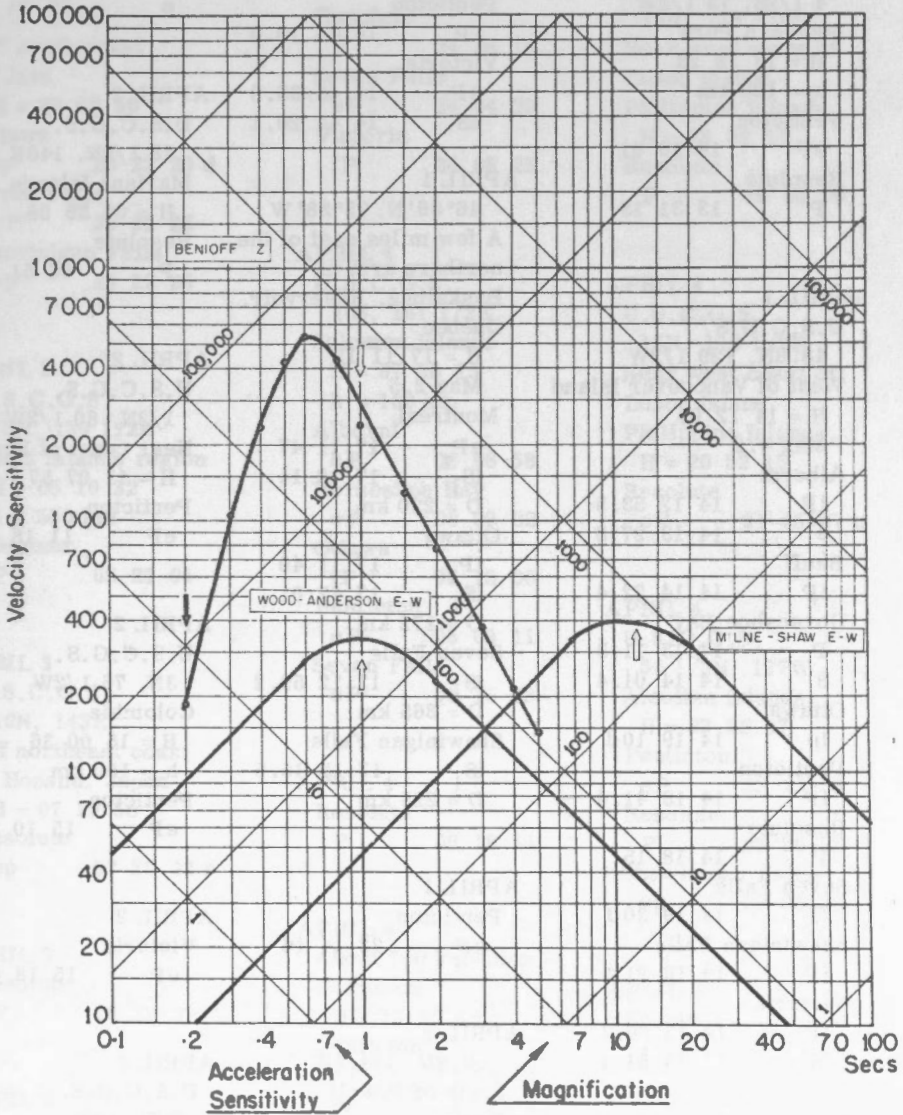
Columbia LP-NS June 10/60

Filtered Willmore SPZ - June 6/60

Columbia LP Z June 17/60

CALIBRATION CURVES

STATION: SEVEN FALLS



$\phi = 47^{\circ}07.4'N$ $\lambda = 70^{\circ}49.6'W$ Altitude 232 M

Foundation : Precambrian basement rock

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: May 28, 1960

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APRIL 1	Horseshoe Bay	Victoria
U.S.C.G.S.	iP 14 43 36.7	eP 23 20 32.5
4 1/2S, 73 1/2W	Penticton	e 23 20 52.1
Southern Peru	iP 14 44 10.0	
H = 13 18 23	Victoria	
h = 100 km	eP 14 43 35.8	APRIL 2
Penticton	eS 14 44 20.1	U.S.C.G.S.
eP 13 30 01		18 1/2N, 146E
Resolute	APRIL 1	Mariana Islands
P 13 31 13	46° 56' N, 75° 38' W	H = 06 39 08
	A few miles east of the	Resolute
	northern arm of	P 06 51 15
	Basketong, Reservoir,	
	Quebec	
APRIL 1	H = 17 11 12	APRIL 2
U.S.C.G.S.	Mag 2.5	U.S.C.G.S.
48.8N, 129 1/2W	Montreal	1/2N, 80 1/2W
West of Vancouver Island	eP 17 11 47	Near coast of Ecuador
H = 14 12 05	iS ₁ 17 12 14	H = 11 07 57
Mag 4.2	D = 220 km	Penticton
Alberni	Ottawa	eP 11 18 00
iP 14 12 53.5	iP ₁ 17 11 40	
e 14 13 27.8	iS ₁ 17 12 01	
Banff	D = 172 km	APRIL 2
iP 14 14 22.4	Seven Falls	U.S.C.G.S.
Horseshoe Bay	iS ₁ 17 12 59.2	3N, 76 1/2W
P 14 13 11.3	D = 365 km	Colombia
S 14 14 01.4	Shawinigan Falls	H = 15 00 36
Ottawa	iS ₁ 17 12 15.5	h = 150 km
ip 14 19 10d	D = 225 km	Penticton
Penticton		eP 15 10 21
iP 14 13 41.6		
Resolute		
P 14 18 15		
Seven Falls	APRIL 1	
iP 14 19 30d	Penticton	APRIL 2
Shawinigan Falls	eP 23 14 16	Victoria
iP 14 19 21d		eP 15 18 09
Victoria		
iP 14 13 06.1	APRIL 1	
iS 14 13 51.1	49.8N, 124.5W	APRIL 2
	South of Powell	U.S.C.G.S.
	River	36N, 50E
	H = 23 20 06	Western Iran
	Mag 1.8	H = 22 36 08
APRIL 1	Alberni	Shawinigan Falls
48.9N, 128.8W	iP 23 20 16.5	eP 22 48 29
Off west coast of	iS 23 20 24.5	
Vancouver Island	Horseshoe Bay	
H = 14 42 44	eP 23 20 29.8	
Mag 3.1	iS 23 20 41.8	
Alberni		
iP 14 43 23.1		
eS 14 43 55.6		

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APRIL 2
 U.S.C.G.S.
 11S, 113E
 Off south coast
 of Java
 H = 23 02 50
 Ottawa
 ip' 23 22 29 d
 Seven Falls
 eP' 23 22 26
 Shawinigan Falls
 ep' 23 22 26

APRIL 3
 U.S.C.G.S.
 28N, 139 1/2E
 Bonin Islands region
 H = 05 10 32
 h = 550 km
 Resolute
 P 05 21 04

APRIL 3
 U.S.C.G.S.
 40N, 143E
 Off northeast coast
 of Honshu, Japan
 H = 07 19 58
 Resolute
 ep 07 30 02 c

APRIL 3
 Resolute
 P 22 32 21

APRIL 3
 Resolute
 ep 23 55 13 d

APRIL 3
 U.S.C.G.S.
 15 1/2N, 60 1/2W
 Lesser Antilles
 H = 23 57 50

Ottawa
 iP 24 04 27 c
 Resolute
 P 24 08 15
 Seven Falls
 eP 24 04 29
 Victoria
 iP 24 08 25

APRIL 4
 U.S.C.G.S.
 10S, 161 1/2E
 Solomon Islands
 H = 07 56 15
 h = 100 km
 Alberni
 eP 08 08 58
 Horseshoe Bay
 eP 08 09 02
 Ottawa
 iP' 08 15 00
 Penticton
 eP 08 09 11
 Seven Falls
 eP' 08 15 03

APRIL 4
 Resolute
 P 09 18 14

APRIL 4
 About 700 km from
 Penticton
 H = 13 26 40
 Penticton
 eP 13 28 13
 eS 13 29 39

APRIL 4
 Horseshoe Bay
 iP' 17 10 02

APRIL 4
 Resolute
 P 17 19 32

APRIL 4
 U.S.C.G.S.
 15N, 119 1/2E
 Near west coast of
 Luzon Island,
 Philippine Islands
 H = 18 52 15
 Resolute
 P 19 05 06

APRIL 4
 U.S.C.G.S.
 15N, 119 1/2E
 Near west coast of
 Luzon Island,
 Philippine Islands,
 H = 20 52 15
 Resolute
 eP 21 05 07 c

APRIL 4
 U.S.C.G.S.
 50 1/2N, 177W
 Aleutian Islands,
 H = 23 22 47
 Penticton
 eP 23 29 53
 Resolute
 P 23 30 25
 Shawinigan Falls
 ep 23 33 33

APRIL 5
 Resolute
 P 01 56 27

APRIL 5
 U.S.C.G.S.
 61S, 26W
 Sandwich Islands
 H = 07 17 45
 Resolute
 ep' 07 37 13 d
 eS 07 50 38

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APRIL 5
About 90 km from
Penticton
H = 10 46 25
Penticton
iP 10 46 39.5 c
iS 10 46 50.3
D = 90 km

APRIL 5
U.S.C.G.S.
60 1/2S, 25W
Sandwich Islands
H = 12 36 15
Penticton
ePKS 12 59 04
Resolute
ep' 12 55 44 D

APRIL 5
U.S.C.G.S.
65N, 2W
North Atlantic Ocean
H = 17 25 19
Penticton
eP 17 36 58
Resolute
P 17 31 29

APRIL 5
250 km from Penticton
H = 23 29 29
Penticton
eP 23 30 10.7 c
eS 23 30 46.3
D = 290 km

APRIL 6
U.S.C.G.S.
20S, 68 1/2W
Chile-Bolivia border
H = 02 05 06
Banff
eP 02 17 - c
Time uncertain

Horseshoe Bay
iP 02 17 43
Ottawa
iP 02 15 56 d
Penticton
iP 02 17 33 c
Resolute
P 02 18 38
Seven Falls
eP 02 16 05
Shawinigan Falls
ip 02 16 01 d
Victoria
iP 02 17 39

APRIL 6
H = 09 14 16
Alberni
eP₁ 09 14 39.2
P_n 09 14 40.4
S 09 14 57.7
Horseshoe Bay
eP₁ 09 14 57.8
iP_n 09 14 59.5
S 09 15 29.1
Victoria
eP 09 15 01.5

APRIL 6
Resolute
P 10 33 56

APRIL 6
Resolute
P 17 15 13

APRIL 6
Resolute
ep 21 23 19 d

APRIL 7
Resolute
P 06 16 10

APRIL 7
U.S.C.G.S.
40N, 143E
Off east coast of
Honshu, Japan
H = 08 36 54
Resolute
P 08 46 55

APRIL 7
U.S.C.G.S.
24S, 179 1/2E
Fiji Islands Region
H = 13 47 28
h = 500 km
Mag 6
Horseshoe Bay
eP 13 59 32
Penticton
eP 13 59 41
Resolute
P' 14 05 07
i 14 12 56
Victoria
eP 13 59 29

APRIL 7
About 200 km from
Penticton
H = 16 06 31
Alberni
eP 16 07 33.4
eS(?) 16 07 39.5
Penticton
eP 16 06 59.5
eS 16 07 21.3

APRIL 7
U.S.C.G.S.
12N, 143 1/2E
Mariana Islands
H = 20 03 37
Horseshoe Bay
iP 20 16 04
Penticton
eP 20 16 17
Resolute
ep 20 16 21 d

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APRIL 7
 178 km from Penticton
 H = 20 56 02
 Penticton
 eP 20 56 26.4
 eS 20 56 47.8
 D = 178 km

APRIL 7
 22 km from Victoria
 H = 21 45 09.4
 Victoria
 iP 21 45 13.2
 S 21 45 16.1
 D = 22 km

APRIL 8
 Alberni
 iP 00 08 06
 Horseshoe Bay
 iP 00 08 12
 Victoria
 iP 00 08 10

APRIL 8
 Resolute
 i 00 22 48

APRIL 8
 U.S.C.G.S.
 21S, 177W
 Tonga Islands
 H = 23 55 54
 h = 200 km
 Mag 6
 Banff
 eP 24 08 - c
 Time uncertain
 Penticton
 iP 24 08 21

APRIL 9
 U.S.C.G.S.
 40N, 143E
 Near east coast
 of Honshu, Japan
 H = 02 43 51
 Resolute
 ep 02 53 55 c

APRIL 9
 Resolute
 P 09 08 55

APRIL 9
 Resolute
 P 11 24 15

APRIL 9
 48.6N, 122.7W
 Gulf Islands
 H = 14 33 05.5
 Horseshoe Bay
 iP 14 33 21.3
 eS 14 33 33.2
 Victoria
 iP 14 33 14.5
 iS 14 33 21.4

APRIL 9
 Resolute
 P 19 00 12

APRIL 9
 Resolute
 P 19 48 21

APRIL 9
 48.4N, 122.6W
 Whitbey Islands
 H = 20 59 36.4
 Alberni
 S(?) 21 00 26

Horseshoe Bay
 eP 20 59 55.2
 eS 21 00 09.0
 Victoria
 eP 20 59 46.1

APRIL 10
 U.S.C.G.S.
 36N, 142E
 Near east coast of
 Honshu, Japan
 H = 00 04 43
 Resolute
 P 00 15 37

APRIL 10
 Canadian Arctic
 H = 01 59 10
 h = 5 km ?
 Mag 1.9
 Resolute
 iP_n 01 59 45
 iP₁ 01 59 47.2
 iS_n 02 00 11.7
 iS₁ 02 00 15
 D = 230 km

APRIL 10
 U.S.C.G.S.
 12 1/2N, 143 1/2E
 Mariana Islands
 H = 04 49 41
 h = 100 km
 Resolute
 P 05 02 15

APRIL 10
 Resolute
 P 11 00 47

APRIL 10
 U.S.C.G.S.
 Bonta Islands
 H = 13 07 30
 Resolute
 P 13 18 55

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<p>APRIL 10 U.S.C.G.S. 53N, 167 1/2W Fox Islands H = 20 26 12 Resolute P 20 33 08</p>	<p>APRIL 12 U.S.C.G.S. 58N, 155W Alaska Peninsula H = 01 16 40 Resolute P 01 22 26</p>	<p>APRIL 12 Penticton eP 17 18 51.7 eS 17 19 11.0</p>
<p>APRIL 10 U.S.C.G.S. Western Turkey H = 22 05 29 Resolute P 22 15 45</p>	<p>APRIL 12 U.S.C.G.S. Western Turkey H = 04 22 35 Resolute P 04 32 58</p>	<p>APRIL 12 U.S.C.G.S. 46 1/2N, 96E Outer Mongolia H = 20 41 10 Resolute P 20 51 10</p>
<p>APRIL 11 H = 05 55 16 Penticton eP 05 56 34.2 eS 05 57 46.7 D = 500 km</p>	<p>APRIL 12 Resolute P 07 21 59</p>	<p>APRIL 13 U.S.C.G.S. 52N, 175W Andreanof Islands H = 04 50 28 Resolute P 04 57 52 i 05 00 04</p>
<p>APRIL 11 47.6N, 122.2 W Southwest of Seattle Washington H = 06 47 34.5 Mag 3.3 Alberni iP 06 48 13.9 e 06 48 44.2 eS 06 48 45.8</p>	<p>APRIL 12 Resolute P 09 55 16</p>	<p>APRIL 13 Resolute P 05 54 10</p>
<p>Banff (S-P) = 95.2 seconds Horseshoe Bay iP 06 48 07.5 iS 06 48 32.5 Penticton eP 06 48 15.8 e 06 48 19.2 eS 06 48 51.8 Victoria iP 06 47 55.2 d</p>	<p>APRIL 12 Seattle aftershock H = 13 37 13.2 Penticton eP 13 38 06.1 e 13 38 13.0 eS 13 38 52.5 D = 380 km</p>	<p>APRIL 13 U.S.C.G.S. 44 1/2N, 127E Manchuria H = 07 57 46 Resolute P 08 07 37</p>
	<p>APRIL 12 H = 15 18 26.5 Penticton S-P = 19.3 sec. D = 158 km</p>	<p>APRIL 13 Resolute P 11 38 33</p>
	<p>APRIL 12 H = 15 50 13.2 Penticton iP 15 50 37.5 iS 15 50 54.3 D = 138 km</p>	

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<p>APRIL 13 U.S.C.G.S. 15 1/2N, 92 1/2W Guatemala, Mexico border H = 12 37 38 Mag 6 Alberni iP 12 45 42 Halifax ip 12 44 59 d Horseshoe Bay iP 12 45 35 Ottawa ip 12 44 15 c e 12 49 39 Resolute ep 12 47 41 c eS 12 55 50 Seven Falls iP 12 44 45 d Shawinigan Falls iP 12 44 32 c Victoria iP 12 45 32</p>	<p>APRIL 14 Penticton eP 03 37 31</p> <p>APRIL 14 Resolute P 21 42 18</p> <p>APRIL 15 U.S.C.G.S. 13 1/2S, 166E New Hebrides H = 04 13 25 Penticton eP 04 26 28</p> <p>APRIL 15 H = 08 10 51.8 Penticton eP 08 11 18.1 eS 08 11 38.2 D = 164 km</p> <p>APRIL 15 U.S.C.G.S. 42 1/2N, 143 1/2E Near south coast of Hokkaido, Japan H = 10 06 20 Resolute eP 10 16 08 c</p> <p>APRIL 15 Resolute P 10 36 27</p> <p>APRIL 15 U.S.C.G.S. 42N, 144E Near south coast of Hokkaido, Japan H = 11 03 45 Resolute ep 11 13 35 c</p>	<p>APRIL 15 U.S.C.G.S. 40 1/2N, 142E Near north coast of Honshu, Japan H = 11 39 01 h = 150 km Alberni iP 11 49 14 Ottawa ip 11 51 39 c Penticton iP 11 49 34 Resolute P 11 48 49 S 11 56 44 Shawinigan Falls iP 11 51 38 c Victoria iP 11 49 23</p> <p>APRIL 15 Resolute P 13 21 00</p> <p>APRIL 15 Resolute P 13 49 26</p> <p>APRIL 15 Resolute P 17 04 31</p> <p>APRIL 15 U.S.C.G.S. 13 1/2S, 166E New Hebrides H = 22 05 06 Mag 6 1/2 Alberni eP 22 17 59 Halifax iP' 22 24 19 Horseshoe Bay eP 22 18 03</p>
<p>APRIL 13 U.S.C.G.S. 52N, 175W Fox Islands H = 13 14 28 Resolute P 13 21 31</p>		
<p>APRIL 14 48.5N, 130.4W Off west coast of Vancouver Island H = 00 37 51.8 Horseshoe Bay eP 00 39 16.6 eS 00 40 27.0 Victoria iP 00 39 01.3 d eS 00 40 04.2</p>		

DOMINION OBSERVATORIES

Ottawa		APRIL 16		APRIL 18	
iP'	22 24 01	Resolute		U.S.C.G.S.	
Penticton		P	19 43 05	28N, 139 1/2E	
eP	22 18 14			Bonin Islands region	
Resolute		APRIL 16		H = 08 07 07	
P	22 19 22	U.S.C.G.S.		h = 450 km	
S	22 31 16	45N, 150E		Alberni	
Seven Falls		Kurile Islands		eP	08 17 52
eP'	22 24 06	H = 20 38 25		Penticton	
Shawinigan Falls		Resolute		eP	08 17 11
eP'	22 24 00	P	20 47 44	Resolute	
Victoria				ip	08 17 45 d
eP	22 18 01			Victoria	
		APRIL 17		iP	08 18 00
APRIL 16		U.S.C.G.S.			
H = 00 27 20.8		54N, 164W		APRIL 18	
Penticton		Unimak Island region		U.S.C.G.S.	
iP	00 27 49.5	H = 01 12 44		13 1/2S, 166E	
iS	00 28 11.6	Resolute		New Hebrides	
D = 180 km		P	01 19 24	H = 09 01 20	
APRIL 16				Penticton	
Victoria		APRIL 17		eP	09 14 26
eP	04 00 24	Resolute			
i	01 45	P	07 56 43	APRIL 18	
APRIL 16				Resolute	
Resolute		APRIL 17		P	11 25 33
P	11 38 06	Canadian Arctic			
APRIL 16		H = 12 41 35		APRIL 18	
Resolute		h = 29 km		Resolute	
P	12 10 18	Mag 1.8		ep	14 55 11 c
APRIL 16		Resolute			
48.4N, 122.5W		eP _n	12 42 08.9	APRIL 19	
Northeast of Whidbey		eP ₁	12 42 12.5	H = 00 08 16.4	
Island		iS _n	12 42 30.4	Penticton	
H = 13 09 36.2		iS ₁	12 42 37.2	iP	00 08 44.5
Alberni		D = 208 km		iS	00 09 06.0
eP	13 10 08.7	APRIL 17		D = 176 km	
eS	13 10 29.2	Resolute			
Horseshoe Bay		P	18 39 29	APRIL 19	
iP	13 09 55.6			U.S.C.G.S.	
iS	13 10 10.3			46N, 151E	
Victoria				Kurile Islands	
iP	13 09 47.2			H = 01 13 27	
iS	13 09 55.8			Resolute	
				ep	01 22 40 c

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APRIL 19

U.S.C.G.S.
51 1/2N, 174W
Andreanof Islands
H = 19 26 00
Resolute
P 19 33 25

APRIL 19

U.S.C.G.S.
51 1/2N, 172 1/2W
Fox Islands
H = 20 32 51
Resolute
P 20 40 17

APRIL 20

Resolute
P 02 52 30

APRIL 20

Resolute
eP 06 25 31 d

APRIL 20

Resolute
P 07 14 50

APRIL 20

Resolute
P 07 31 54

APRIL 20

H = 17 02 05.6
Pentiction
iP 17 02 35.7
iS 17 02 59.2
D = 192 km

APRIL 20

U.S.C.G.S.
37N, 71E
Hindu Kush
H = 19 23 04
h = 200 km
Resolute
ep 19 33 52 c

APRIL 20

48.5N, 123.8W
H = 22 23 53
Alberni
eP 22 24 11.0
eS 22 24 24.7
Victoria
iP 22 23 57.9
iS 22 24 01.6

APRIL 21

U.S.C.G.S.
2 1/2S, 110W
Pacific Ocean
H = 02 16 29
Mag 5 3/4
Alberni
eP 02 25 56
Halifax
ip 02 27 00 (d)
Horseshoe Bay
eP 02 25 56
Ottawa
ip 02 26 16(d)
iS 02 34 12
Pentiction
eP 02 25 47
Resolute
P 02 28 29
eS 02 38 17
Seven Falls
eP 02 26 41
Shawinigan Falls
eP 02 26 29
Victoria
eP 02 25 47.

APRIL 21

H = 05 22 47.3
Pentiction
iP 05 23 18.2
i 05 23 20.2
iS 05 23 42.5
D = 199 km

APRIL 21

Resolute
P 11 48 38

APRIL 21

Resolute
P 12 17 04

APRIL 21

Resolute
P 13 09 16

APRIL 21

U.S.C.G.S.
20 1/2S, 174W
Tonga Islands
H = 16 21 57
Pentiction
eP 16 34 36

APRIL 21

H = 17 48 44
Pentiction
eP 17 51 20.3
eS 17 53 20.
D = 1300 km

APRIL 21

Resolute
P 21 09 54

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APRIL 22
Resolute
P 05 52 35

APRIL 22
Resolute
P 08 55 26

APRIL 22
U.S.C.G.S.
12 1/2N, 123 1/2E
Philippine Islands
H = 18 47 17
Resolute
P 19 00 16

APRIL 22
U.S.C.G.S.
17 1/2S, 174 1/2W
Tonga Islands
H = 20 26 28
h = 200 km
Alberni
eP 20 38 19
Horseshoe Bay
eP 20 38 23
Penticton
eP 20 38 32
Resolute
P 20 40 12
i 20 50 35
Victoria
eP 20 38 20

APRIL 22
Resolute
P 21 09 30

APRIL 22
H = 22 58 38.6
Penticton
eP 22 59 26.6
eS 23 00 08.0
D = 339 km

APRIL 23
H = 00 53 46.2
Penticton
eP 00 54 12.3
eS 00 54 32.2
D = 164 km

APRIL 23
U.S.C.G.S.
31 1/2N, 50 1/2E
Iran
H = 06 26 16
Resolute
P 06 37 37

APRIL 23
Resolute
P 07 35 04

APRIL 23
47°32'N, 70°18'W
Nine miles southwest
of Malbaie, Que.
H = 11 47 52
h = 17 km
Mag 4.0
Halifax
iP_n 11 49 11
iS_n 11 50 11.5
L_g 11 50 44
D = 610 km

Montreal
i 11 48 43.2
i 11 48 47.2
i 11 49 16
i 11 49 22.8
D = 341 km

Seven Falls
P₁ 11 48 01.8 d
i¹ 11 48 03.3
i 11 48 06.0
S₁ 11 48 09.3
D = 60 km

Shawinigan Falls
P₁ 11 48 26 d
i¹ 11 48 29
i 11 48 31
i 11 48 46
S₁ 11 48 52.3
D = 217 km

APRIL 23
U.S.C.G.S.
45N, 98E
Outer Mongolia
H = 13 08 35
Resolute
P 13 18 46

APRIL 23
Resolute
P 13 35 30

APRIL 23
Resolute
P 17 35 45

APRIL 23
Resolute
P 20 09 39

APRIL 23
U.S.C.G.S.
53N, 172 1/2E
Near Islands
H = 23 58 23
Resolute
P 24 06 03

APRIL 24
U.S.C.G.S.
6S, 113 1/2E
Java Sea
H = 03 22 23
h = 600 km
Alberni
iP' 03 40 04
Halifax
iP' 03 40 50 d
Ottawa
iP' 03 40 42
Penticton
iP' 03 40 10
Resolute
P 03 35 52 d
P' 03 39 51
i 03 40 35
i 03 43 34

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Seven Falls
eP' 03 40 40
Shawinigan Falls
iP' 03 40 37
Victoria
iP' 03 40 06

APRIL 24

U.S.C.G.S.
28N, 54 1/2E

Southern Iran
H = 12 14 26

Halifax
ip 12 27 20
Ottawa
iP 12 27 50 d
Resolute
P 12 26 17 c
S 12 36 00

Seven Falls
eP 12 27 33
Shawinigan Falls
iP 12 27 37 d

APRIL 24

U.S.C.G.S.
32 1/2S, 72W

Near coast of
Central Chile
H = 14 50 45

Penticton
iP 15 03 55

APRIL 25

U.S.C.G.S.
42N, 142E
Near south coast
of Hokkaido, Japan
H = 00 14 17

Resolute
eP 00 24 10 c

APRIL 25

U.S.C.G.S.
46N, 144E
Off north coast
of Hokkaido, Japan
H = 04 01 10
h = 400 km
Resolute
iP 04 09 54 c

APRIL 25

U.S.C.G.S.
50N, 158E
Off south coast
of Kamchatka
H = 12 46 04
Resolute
P 12 54 38

APRIL 25

U.S.C.G.S.
56N, 155W
Kodiak Island region
H = 14 53 53
Alberni
eP 14 58 22
Resolute
P 15 00 00
Victoria
eP 14 58 23

APRIL 25

U.S.C.G.S.
38 1/2N, 25E
Aegean Sea
H = 16 28 32
Resolute
P 16 38 47

APRIL 25

U.S.C.G.S.
13 1/2N, 88 1/2W
Near coast of
El Salvador
H = 18 53 17
h = 100 km

Halifax
ip 19 00 28.5
Resolute
iP 19 03 21 c
Seven Falls
eP 19 00 20
Shawinigan Falls
eP 19 00 12
Victoria
eP 19 01 33

APRIL 26

H = 03 49 30.6
Penticton
iP 03 49 33.8
iS 03 49 36.4
D = 20 km

APRIL 26

U.S.C.G.S.
11N, 84 1/2W
Nicaragua-Costa Rica
border
H = 04 34 06
Resolute
P 04 44 43

APRIL 26

Resolute
P 06 59 45

APRIL 26

U.S.C.G.S.
44 1/2N, 111W
Hebgen Lake Montana
H = 16 23 01
Alberni
eP 16 25 34
Victoria
eP 16 25 19

APRIL 26

Resolute
P 20 06 25

DOMINION OBSERVATORIES

APRIL 26
 U.S.C.G.S.
 24 1/2N, 122E
 Off coast of Formosa
 H = 20 19 10
 Resolute
 P 20 31 12

APRIL 27
 U.S.C.G.S.
 40N, 142E
 Near north coast
 of Honshu, Japan
 H = 21 05 51
 Resolute
 P 21 15 54

APRIL 28
 Nova Scotia
 H = 09 28 33
 Probably a blast
 Halifax
 iP₁ 09 28 56.5
 iS₁ 09 29 14.5
 D = 148 km

APRIL 26
 U.S.C.G.S.
 39N, 101E
 Kansu Province
 China
 H = 21 27 12
 Resolute
 P 21 38 04

APRIL 27
 U.S.C.G.S.
 18N, 120E
 Off coast of Luzon
 Philippine Islands
 H = 22 43 49
 Resolute
 eP 22 56 28 c

APRIL 28
 U.S.C.G.S.
 35 1/2N, 77E
 Dodecanese Islands
 H = 16 33 25
 Halifax
 ip 16 44 14
 Resolute
 P 16 43 58

APRIL 27
 H = 00 59 46.9
 Penticton
 iP 00 59 50.5
 iS 00 59 53.2
 D = 21 km

APRIL 28
 U.S.C.G.S.
 53 1/2N, 168W
 Fox Islands
 H = 00 49 16
 Halifax
 ip 00 59 43
 Resolute
 eP 00 56 10 d
 Seven Falls
 eP 00 59 07
 Shawinigan Falls
 eP 00 59 00

APRIL 28
 Resolute
 P 23 59 43

APRIL 27
 44 1/2N, 111W
 Hebgen Lake Montana
 H = 04 32 30
 Penticton
 eP 04 34 29

APRIL 28
 Resolute
 P 01 02 21

APRIL 29
 48.5N, 123.8W
 H = 02 06 19.2
 Alberni
 iP 02 06 38.0
 eS 02 06 52.4
 Penticton
 eP 02 07 07.0
 Victoria
 iP 02 06 24.2
 iS 02 06 27.8

APRIL 27
 171 km from Horseshoe Bay
 Horseshoe Bay
 S-P = 20.9 sec.
 Penticton
 eP 04 44 06
 Victoria
 eP 04 43 50.0
 04 44 02.5
 04 44 11.0
 04 44 16.2

APRIL 28
 U.S.C.G.S.
 59 1/2S, 26W
 Sandwich Islands
 H = 02 10 14
 Resolute
 P' 02 29 36
 i 02 33 17

APRIL 29
 U.S.C.G.S.
 56 1/2S, 25W
 Sandwich Islands
 H = 02 15 35
 Resolute
 P' 02 34 51
 i 02 38 22
 i 02 56 06

SEISMOLOGICAL BULLETIN - 1960

APRIL 29
U.S.C.G.S.
55 1/2S, 25W
Sandwich Islands
H = 03 43 04
Resolute
P' 04 02 17

APRIL 29
Resolute
P 04 50 04

APRIL 29
Resolute
P 09 13 23

APRIL 29
Resolute
P 09 42 37

APRIL 29
Resolute
eP 10 37 37

APRIL 29
U.S.C.G.S.
30S, 178 1/2W
Kermadec Islands
H = 13 38 31
Halifax
ip' 13 57 35
Resolute
eP' 13 57 13 c

APRIL 29
U.S.C.G.S.
Kermadec Islands
region
H = 14 45 42
Resolute
P' 15 04 16

APRIL 29
U.S.C.G.S.
0, 122E
Celebes
H = 19 32 12
Halifax
ip' 19 51 34
Ottawa
eP' 19 51 29
Resolute
eP 19 46 10 c
Seven Falls
eP' 19 51 29
Shawinigan Falls
eP' 19 51 27

APRIL 29
U.S.C.G.S.
0, 121 1/2E
Celebes
H = 20 44 27
Resolute
P 20 58 25
Shawinigan Falls
eP' 21 03 42

APRIL 30
U.S.C.G.S.
0, 122E
Celebes
H = 04 01 32
Halifax
iP' 04 20 57
Ottawa
eP' 04 20 50
Resolute
P 04 15 30
Seven Falls
eP' 04 20 50
Shawinigan Falls
eP' 04 20 50

APRIL 30
166 km from Alberni
H = 11 38 04.2
Alberni
eP 11 38 24.1
eS 11 38 44.4
e 11 38 45.0
Victoria
eP 11 38 05.4
± 0.5 sec.

APRIL 30
Victoria
eP 15 25 09

APRIL 30
Resolute
P 21 01 14

APRIL 30
U.S.C.G.S.
6S, 124 1/2E
Banda Sea
H = 22 10 07
Halifax
iP' 22 28 28
Resolute
P 22 23 26
i 22 27 29
i 22 42 30
Shawinigan Falls
eP' 22 28 23
i 22 31 00

MAY 1
U.S.C.G.S.
52 1/2N, 166W
Fox Islands
H = 02 55 10
Resolute.
P 03 02 09

MAY 2
Alberni
eP 00 30 51
Victoria
eP 00 31 15

DOMINION OBSERVATORIES

MAY 2 U.S.C.G.S. 44N, 84 1/2W Sinkiang Province China H = 01 00 00 Resolute P 01 10 22	Resolute P 18 20 52	MAY 3 Resolute P 15 12 11 d
MAY 2 Halifax iP 08 53 23 Resolute P 08 55 40	MAY 3 U.S.C.G.S. 29 1/2N, 55E Iran H = 06 59 04 Resolute eP 07 10 45 c	MAY 3 U.S.C.G.S. 32N, 140E South of Honshu, Japan H = 22 22 41 Alberni iP 22 33 39 Penticton iP 22 33 58 Resolute P 22 33 25
MAY 2 Resolute P 10 12 10	MAY 3 U.S.C.G.S. 29N, 99 1/2E China H = 07 55 07 Resolute P 08 06 55	MAY 4 Resolute P 06 36 43
MAY 2 Resolute P 10 52 53	MAY 3 U.S.C.G.S. 24S, 179W Tonga Islands region H = 07 55 54 Resolute P' 08 14 20 Victoria eP 08 08 43	MAY 4 Penticton H = 08 27 25.8 eP 08 28 03.6 eS 08 28 34.8 D = 255 km
MAY 2 U.S.C.G.S. 0, 121 1/2E Celebes H = 12 10 11 Halifax iP' 12 29 35 Resolute P 12 24 07 i 12 34 38	MAY 3 Resolute P 09 13 50	MAY 4 Penticton eP 18 42 51
MAY 2 Resolute P 14 53 46	MAY 3 U.S.C.G.S. 40N, 143E Near east coast of Honshu, Japan H = 14 32 34 Resolute P 14 42 37	MAY 4 Penticton H = 20 35 25.4 eP 20 35 53.3 eS 20 36 14.7 D = 175 km
MAY 2 U.S.C.G.S. 40N, 143E Near east coast of Honshu, Japan H = 18 10 49		MAY 4 Victoria iP 22 33 46

SEISMOLOGICAL BULLETIN - 1960

MAY 5		MAY 6		MAY 6
Near Hebgen Lake		Resolute		Penticton
Montana ?		P	05 34 43	eP
H = 03 39 35.9				19 05 02
Penticton		MAY 6		
eP?	03 41 38	Alberni		MAY 6
eP?	03 41 48	eP	05 44 04	Resolute
		Victoria		P
		eP	05 44 00	19 06 20
MAY 5				
U.S.C.G.S.		MAY 6		MAY 7
52 1/2N, 158 1/2E		U.S.C.G.S.		U.S.C.G.S.
Near east coast of		21 1/2S, 71W		42N, 143E
Kamchatka		Near coast of Chile		Hokkaido Japan
H = 11 26 00		H = 06 19 20		H = 14 11 21
Alberni		Halifax		Resolute
eP	11 34 30 d	iP	06 30 26	P
Halifax		Penticton		14 21 08
ip	11 37 55	eP	06 31 43	
Penticton		Resolute		MAY 7
eP	11 34 51	P	06 33 12	Alberni
Resolute		Shawinigan Falls		iP
eP	11 34 14 c	eP	06 30 36	22 52 19
S	11 40 48			Penticton
Shawinigan Falls				eP
eP	11 37 27			22 53 05
Victoria				Victoria
eP	11 34 39			eP
		MAY 6		22 52 38
		Resolute		
MAY 5		eP	12 23 04 d	MAY 8
Resolute				Resolute
SKP	16 20 16			P
		MAY 6		00 12 43
		Resolute		
MAY 5		P	14 11 22	
U.S.C.G.S.				MAY 8
42N, 144E		MAY 6		U.S.C.G.S.
Near east coast		U.S.C.G.S.		Pacific Ocean, about
of Hokkaido, Japan		54N, 161E		900 miles southwest
H = 17 13 30		Near east coast of		of Galapagos Islands
Resolute		Kamchatka		H = 03 22 41
P	17 23 17	H = 18 47 26		Resolute
Victoria		Halifax		P
eP	17 23 51	iP	18 59 08	03 35 00
		Penticton		
		eP	18 56 02	
MAY 6		Resolute		MAY 8
Resolute		eP	18 55 22 c	U.S.C.G.S.
P	05 13 58	Shawinigan Falls		31S, 178W
		eP	18 58 38	Kermadec Islands
				H = 05 29 32
				Halifax
				eP'
				05 48 40

DOMINION OBSERVATORIES

Resolute P' 05 48 18	MAY 9 U.S.C.G.S. 25 1/2N, 89 1/2E East Pakistan-India border H = 14 36 27 Resolute P 14 48 37	MAY 10 H = 17 41 37.5 Victoria iP 17 41 43.9 eS 17 41 48.8 D = 40 km
MAY 8 Victoria eP 11 23 52	MAY 9 U.S.C.G.S. 6 1/2N, 33 1/2W Atlantic Ocean H = 16 27 26 Resolute eP 16 39 19 c	MAY 10 U.S.C.G.S. 51 1/2N, 159 1/2E Off southeast Kamchatka H = 17 36 03 Resolute P 17 44 19
MAY 8 U.S.C.G.S. 45 1/2N, 151E Kurile Islands H = 14 29 14 Penticton eP 14 38 03 Resolute iP 14 38 28 c i 14 39 39	MAY 9 U.S.C.G.S. Pacific Ocean about 900 miles southwest of Galapagos Islands H = 20 13 25 Resolute P 20 25 29 S 20 35 32 i 20 40 40	MAY 10 U.S.C.G.S. 15 1/2N, 92 1/2W Near coast of Chiapas Mexico H = 23 16 17 Resolute eP 23 26 23 c e 23 28 45 Victoria eP 23 24 07 i 29 48
MAY 9 U.S.C.G.S. 30 1/2N, 129 1/2E Ryukyu Islands H = 00 11 10 Resolute iP 00 22 32 c Victoria eP 00 23 05	MAY 10 Resolute P 06 29 17 i 06 29 35	MAY 11 Alberni eP 18 17 20
MAY 9 U.S.C.G.S. 12N, 144E Mariana Islands region H = 06 53 11 Resolute P 07 05 48	MAY 10 U.S.C.G.S. 55 1/2S, 26W Sandwich Islands H = 10 56 02 Resolute P' 11 15 26 Victoria ePKP ? 11 18 34	MAY 11 U.S.C.G.S. 3S, 131E Ceram Sea H = 18 36 00 Resolute P 18 50 05 S 19 00 39
MAY 9 Resolute P 10 23 27		

SEISMOLOGICAL BULLETIN - 1960

MAY 12
 44.7N, 127W
 Off west coast of
 Oregon
 H = 16 08 44.2
 Alberni
 eP 16 09 55.5
 iS 16 11 00.2
 Resolute
 P 16 15 13
 Victoria
 eP 16 09 52

MAY 12
 Resolute
 P 16 54 35

MAY 12
 U.S.C.G.S.
 7 1/2N, 81W
 Panama
 H = 22 32 32
 Halifax
 iP 22 40 12
 Ottawa
 eP 22 39 53 d
 Penticton
 eP 22 41 51
 Resolute
 P 22 43 28
 iS 22 52 24
 Seven Falls
 eP 22 40 14
 Shawinigan Falls
 iP 22 40 08 c
 Victoria
 iP 22 42 03
 i 43 09

MAY 12
 Resolute
 P 22 58 36

MAY 12
 Resolute
 P 23 05 39

MAY 12
 U.S.C.G.S.
 7 1/2N, 80W
 Near south coast of
 Panama
 H = 23 00 36
 Ottawa
 eP 23 07 55
 Resolute
 eP 23 11 32 c

MAY 13
 Resolute
 P 00 23 52

MAY 13
 Resolute
 P 00 41 31
 e 00 44 24

MAY 13
 H = 01 11 12 ?
 Alberni
 eP 01 11 44.4
 e 01 12 10.2
 Penticton
 eP 01 11 44.9
 Victoria
 eP 01 12 04.4

MAY 13
 Resolute
 P 01 21 25

MAY 13
 U.S.C.G.S.
 20N, 109W
 Revilla Gigedo Islands
 region
 H = 10 00 40

Resolute
 P 10 10 14
 S 10 18 03

MAY 13
 U.S.C.G.S.
 55N, 161 1/2W
 Alaska Peninsula
 H = 16 07 12
 Banff
 eP 16 13 01
 Halifax
 iP 16 17 13 c
 Ottawa
 iP 16 16 26 c
 Penticton
 eP 16 12 48
 Resolute
 eP 16 13 40 c
 S 16 18 48

Seven Falls
 eP 16 16 37
 S 16 24 06
 Shawinigan Falls
 eP 16 16 30
 Victoria
 eP 16 12 31
 iP 12 41
 ePP 13 35
 S 16 48
 G 18 10

MAY 13
 U.S.C.G.S.
 32 1/2S, 179W
 Kermadec Islands
 region
 H = 20 46 35
 Resolute
 P' 21 05 23
 S 21 16 41

MAY 14
 Resolute
 P 11 36 39

DOMINION OBSERVATORIES

Resolute P 11 52 35	MAY 15 Resolute P 19 07 16	MAY 17 U.S.C.G.S. 78N, 8E Svalbard region H = 09 19 32 Resolute P 09 24 19
MAY 14 48.4N, 125.4W Off west coast of Virgin Islands H = 12 56 22.1 Alberni iP 12 56 37.0 iS 12 56 49.7 Penticton e 12 56 37.7 Victoria eP 12 56 48.2 i 12 56 53.6 S 12 57 06.9	MAY 15 U.S.C.G.S. 54 1/2N, 164 1/2W Alaska Peninsula H = 21 37 08 Ottawa eP 21 46 35 Resolute eP 21 43 48 c Victoria eP 21 42 42	MAY 17 Resolute P 11 22 54
MAY 14 U.S.C.G.S. 42 1/2N, 142E Near south coast of Hokkaido Japan H = 17 43 10 Resolute P 17 52 58	MAY 16 U.S.C.G.S. 36N, 136E Honshu, Japan H = 04 51 15 Resolute P 05 01 54	MAY 17 Canadian Arctic H = 19 15 04 h = 11 km ? Mag 4.8 Resolute eP _n 19 16 54 i 19 17 11.6 i 19 17 20.9 iS _n 19 18 13.5 i 19 18 29.0 iS ₁ 19 18 53 D = 850 km
MAY 14 U.S.C.G.S. 53 1/2N, 159 1/2E Kamchatka H = 22 19 55 Ottawa eP 22 31 12 Resolute iP 22 27 58 c S 22 34 26 Shawinigan Falls iP 22 31 09	MAY 16 Resolute P 07 53 41	MAY 18 H = 02 01 02.3 Penticton iP 02 01 22.8 iS 02 01 38.4 D = 128 km
MAY 15 U.S.C.G.S. 24N, 121 1/2E Near east coast of Formosa H = 13 30 20 Resolute eP 13 42 24 c	MAY 16 Resolute P 14 54 07	MAY 18 H = 04 31 07.4 Alberni iP 04 31 09.5 eS 04 31 11.1 D = 13 km
	MAY 17 Resolute P 01 50 11	MAY 18 U.S.C.G.S. 29N, 130E Ryukyu Islands H = 06 35 09
	MAY 17 Resolute P 04 07 26	

SEISMOLOGICAL BULLETIN - 1960

Penticton eP 06 47 16 Resolute iP 06 46 30 c iS 06 55 50 Shawinigan Falls eP 06 48 59 d Victoria iP 06 47 07	MAY 19 Resolute P 08 54 06 MAY 19 U.S.C.G.S. 17S, 66E Mascarene Islands region H = 10 11 51 Halifax P' 10 31 23 Ottawa eP' 10 31 22 Resolute P' 10 30 48 Shawinigan Falls eP' 10 31 47 MAY 19 Resolute eP 11 04 27 d MAY 19 Resolute P 12 40 26 MAY 19 U.S.C.G.S. 53N, 166W Fox Islands H = 16 46 10 Resolute P 16 53 05 MAY 20 Resolute P 00 09 23	MAY 20 U.S.C.G.S. 3 1/2S, 147 1/2E Near north coast of New Guinea H = 00 23 22 Ottawa eP' 00 42 28 Resolute P 00 37 14 Shawinigan Falls eP' 00 42 32 MAY 20 U.S.C.G.S. Persian Gulf H = 04 14 18 Resolute P 04 26 13 MAY 20 Resolute iP 08 05 24 c MAY 20 U.S.C.G.S. 28S, 167 1/2E Norfolk Island H = 11 12 31 Halifax P' 11 31 58 Ottawa eP' 11 31 40 c Resolute P' 11 31 22 i 11 32 44 Seven Falls eP' 11 31 49 PP 11 34 08 PKS 11 35 14 Shawinigan Falls eP' 11 31 47 c MAY 20 Resolute P 12 28 09
MAY 18 U.S.C.G.S. 27N, 52 1/2E Persian Gulf H = 08 40 57 Resolute P 08 52 52	MAY 18 Resolute P 13 06 44	
MAY 19 U.S.C.G.S. 36N, 71E Hindu Kush H = 02 07 00 h = 200 km Resolute eP 02 17 50 c S 02 26 48 Shawinigan Falls eP 02 19 50		
MAY 19 Canadian Arctic H = 07 44 37 h = 24 km Mag 2.8 Resolute iP 07 45 06.4 iP ₁ ⁿ 07 45 09.4 iS ₁ ⁿ 07 45 28.0 iS ₁ 07 45 33 D = 198 km		

DOMINION OBSERVATORIES

MAY 20

U.S.C.G.S.
45N, 111W
Hebgen Lake
H = 17 54 02
Ottawa
eP 17 59 23 c
Shawinigan Falls
eP 18 00 04
Victoria
eP 17 58 20

MAY 21

U.S.C.G.S.
37 1/2N, 21E
Near west coast of
Greece
H = 06 41 10
Halifax
P 06 51 31
Ottawa
eP 06 52 20
Resolute
P 06 51 23
Shawinigan Falls
eP 06 51 45

MAY 21

U.S.C.G.S.
15 1/2N, 121 1/2E
Luzon Island
H = 08 17 01
Resolute
P 08 29 32

MAY 21

Resolute
P 08 29 48

MAY 21

U.S.C.G.S.
37 1/2S, 73 1/2W
Near coast of
Chile
H = 10 02 50

Alberni

eP 10 16 51
Banff
eP 10 15 48
Halifax
iP 10 15 17 c
Ottawa
iP 10 15 17 c
Resolute
P 10 17 38
10 30 00
Seven Falls
eP 10 15 24
SKS 10 25 54
SS 10 31 07
G 10 37 42
Shawinigan Falls
P 10 15 23 c
Victoria
eP 10 16 32

MAY 21

U.S.C.G.S.
37 1/2S, 72 1/2W
Chile
H = 10 53 51
Seven Falls
eP 11 06 28
Shawinigan Falls
eP 11 06 25

MAY 21

U.S.C.G.S.
37 1/2S, 73W
Chile
H = 12 21 16
Halifax
iP 12 33 40 c
Ottawa
eP 12 33 40 c
Seven Falls
eP 12 33 49
Shawinigan Falls
eP 12 33 47

MAY 21

U.S.C.G.S.
37 1/2S, 72 1/2W
Chile
H = 12 59 58
Halifax
iP 13 12 23 c
Ottawa
iP 13 12 23 c
Seven Falls
eP 13 12 32
Shawinigan Falls
iP 13 12 29

MAY 21

Resolute
P 13 34 43

MAY 21

U.S.C.G.S.
37 1/2S, 72 1/2W
Chile
H = 13 59 17
Halifax
P 14 11 43
Ottawa
eP 14 11 43
Resolute
eP 14 14 17 c
Seven Falls
P 14 11 53
Shawinigan Falls
eP 14 11 50

MAY 21

Resolute
P 14 18 09

MAY 21

U.S.C.G.S.
37 1/2S, 72 1/2W
Chile
H = 14 31 55
Halifax
P 14 44 22

SEISMOLOGICAL BULLETIN - 1960

Ottawa		MAY 22		Ottawa	
eP	14 44 21	Resolute		iP	10 43 05 c
Shawinigan Falls		P	03 44 56	Resolute	
eP	14 44 29			eP	10 45 24 c
		MAY 22		i	10 50 08
MAY 21		U.S.C.G.S.		S	10 57 48
U.S.C.G.S.		37 1/2S, 73 1/2W		Seven Falls	
37 1/2S, 73W		Chile		eP	10 43 15
Chile		H = 03 46 22		Shawinigan Falls	
H = 15 08 45		Halifax		iP	10 43 14 c
Ottawa		P	03 58 45		
eP	15 21 09			MAY 22	
Shawinigan Falls		MAY 22		U.S.C.G.S.	
eP	15 21 17	U.S.C.G.S.		37 1/2S, 73W	
		38S, 73 1/2W		Near coast of Chile	
MAY 21		Chile		H = 10 32 43	
Resolute		H = 06 01 36		Halifax	
P	17 39 53	Halifax		iP	10 45 08 d
		P	06 14 03	Ottawa	
MAY 21		Shawinigan Falls		eP	10 45 09
Resolute		eP	06 14 11	Resolute	
P	18 19 44			eP	10 47 27 c
		MAY 22		i	10 52 13
MAY 21		Halifax		S	10 59 50
Alberni		P	07 48 27	Seven Falls	
eP	19 05 16			eP	10 45 19
		MAY 22		Shawinigan Falls	
MAY 22		U.S.C.G.S.		iP	10 45 17 c
Resolute		37 1/2S, 73W		Victoria	
P	01 16 53	Chile		eP	10 46 15
		H = 08 10 53			
MAY 22		Halifax		MAY 22	
Halifax		P	08 23 20	U.S.C.G.S.	
P	01 43 24	Ottawa		38S, 73W	
		eP	08 23 20	Chile	
MAY 22		Shawinigan Falls		H = 12 16 43	
Victoria		eP	08 23 29	Halifax	
eP	03 40 50			iP	12 29 11.5
		MAY 22		Ottawa	
		U.S.C.G.S.		eP	12 29 11
		38S, 73 1/2W		Seven Falls	
		Near coast of Chile		eP	12 29 22
		H = 10 30 39		Shawinigan Falls	
		Halifax		iP	12 29 20 c
		iP	10 43 04 c		

DOMINION OBSERVATORIES

MAY 22
Shawinigan Falls
eP 17 25 09

MAY 22
Shawinigan Falls
eP 21 26 33

MAY 22
Halifax
P 22 27 54
Ottawa
eP 22 27 55

MAY 22
U.S.C.G.S.
38S, 73 1/2W
Near coast of Chile
H = 18 55 57

MAY 22
Shawinigan Falls
eP 21 27 55

MAY 22
Shawinigan Falls
eP 22 41 58 c

Alberni
eP 19 09 45

MAY 22
Shawinigan Falls
iP 22 00 38 d

MAY 22
Shawinigan Falls
eP 22 45 23

Halifax
P 19 08 24

MAY 22
Shawinigan Falls
iP 22 05 16 c

MAY 22
Halifax
P 23 09 21
Shawinigan Falls
eP 23 08 49

Ottawa
eP 19 08 25

Resolute
eP 19 10 46 c

i 19 14 36

i 19 15 30

S 19 23 08

Seven Falls
eP 19 08 35

Shawinigan Falls
eP 19 08 28

Victoria
eP 19 09 31

MAY 22
Shawinigan Falls
eP 22 09 24

MAY 22
Halifax
iP 23 17 15

MAY 22
Shawinigan Falls
iP 22 17 17 c

MAY 22
Shawinigan Falls
eP 23 38 15

MAY 22
U.S.C.G.S.
38S, 73 1/2W
Near coast of Chile
H = 19 11 20

MAY 22
Halifax
P 22 20 32

Ottawa
eP 22 20 34

MAY 22
U.S.C.G.S.
39 1/2S, 72W
Chile
H = 23 29 18

Halifax
P 19 23 04

Ottawa
eP 19 23 05

Seven Falls
eP 19 23 12

Shawinigan Falls
eP 19 23 09

Victoria
eP 19 24 12

MAY 22
Halifax
P 22 26 31

Ottawa
eP 22 26 32

Seven Falls
eP 22 26 45

Halifax
P 23 41 54

Ottawa
eP 23 41 55

Seven Falls
eP 23 42 03

MAY 22
Shawinigan Falls
eP 21 20 39

MAY 22
Halifax
iP 23 45 20 d
Ottawa
eP 23 45 20

SEISMOLOGICAL BULLETIN - 1960

MAY 22
Halifax
iP 23 51 44.5 d
Ottawa
eP 23 51 45

MAY 22
Shawinigan Falls
eP 24 03 41

MAY 22
Shawinigan Falls
eP 24 06 33

MAY 23
Shawinigan Falls
eP 00 14 15

MAY 23
Shawinigan Falls
eP 00 36 19

MAY 23
U.S.C.G.S.
38 1/2S, 75W
Chile
H = 00 25 44
Halifax
iP 00 38 14 d
Ottawa
eP 00 38 13
Seven Falls
eP 00 38 22
Victoria
eP 00 39 20

MAY 23
Shawinigan Falls
iP 00 47 30 d

MAY 23
Halifax
iP 00 54 13.5 d
Ottawa
eP 00 54 14 d
Seven Falls
eP 00 54 23

MAY 23
Shawinigan Falls
eP 00 56 28 c

MAY 23
U.S.C.G.S.
37 1/2S, 72W
Chile
H = 00 51 12

Halifax
iP 01 03 37.5 d
Ottawa
eP 01 03 38
Seven Falls
eP 01 03 48

MAY 23
Halifax
iP 01 06 31 c
Ottawa
iP 01 06 31 c

MAY 23
Shawinigan Falls
eP 01 08 21

MAY 23
Ottawa
eP 01 14 12

MAY 23
Shawinigan Falls
iP 01 17 22 d

MAY 23
Shawinigan Falls
eP 01 38 19

MAY 23
U.S.C.G.S.
39 1/2S, 74W
Near coast of Chile
H = 01 34 53
Halifax
iP 01 47 26.5 d
Ottawa
eP 01 47 27 d
Seven Falls
eP 01 47 36

MAY 23
Halifax
P 01 56 24
Ottawa
eP 01 56 25
Seven Falls
eP 01 56 34

MAY 23
Shawinigan Falls
eP 01 59 19

MAY 23
Ottawa
eP 02 08 18

MAY 23
Shawinigan Falls
iP 02 09 12 c

MAY 23
Halifax
P 02 17 18.5
Ottawa
eP 02 17 19

DOMINION OBSERVATORIES

MAY 23
 U.S.C.G.S.
 41 1/2S, 73 1/2W
 Chile
 H = 02 46 30
 Halifax
 iP 02 59 15.5 c
 Ottawa
 eP 02 59 16 c
 Seven Falls
 eP 02 59 23

MAY 23
 H = 02 47 22.6 ?
 Victoria
 eP 02 47 51.2
 S 02 48 13.1
 D = 180 km

MAY 23
 U.S.C.G.S.
 43S, 75 1/2W
 Near coast of Chile
 H = 02 56 17
 Halifax
 P 03 09 09
 Ottawa
 eP 03 09 09
 Seven Falls
 eP 03 09 17

MAY 23
 Halifax
 iP 03 12 31 (c)
 Ottawa
 eP 03 12 32

MAY 23
 Ottawa
 eP 03 16 06

MAY 23
 Shawinigan Falls
 eP 03 39 28

MAY 23
 Shawinigan Falls
 eP 04 26 07

MAY 23
 Halifax
 eP 04 39 23
 Ottawa
 eP 04 39 24
 Seven Falls
 eP 04 39 32

MAY 23
 U.S.C.G.S.
 38S, 73 1/2W
 Chile
 H = 05 13 35
 Halifax
 eP 05 26 01
 Ottawa
 eP 05 26 03
 Seven Falls
 eP 05 26 12

MAY 23
 Shawinigan Falls
 eP 05 30 18

MAY 23
 Halifax
 iP 06 21 38 d
 Ottawa
 eP 06 21 38

MAY 23
 Halifax
 eP 06 30 14
 Ottawa
 eP 06 30 15

MAY 23
 U.S.C.G.S.
 48S, 77W
 Off coast of Chile
 H = 07 09 17
 Halifax
 P 07 22 33.5
 Ottawa
 eP 07 22 33

MAY 23
 Shawinigan Falls
 eP 07 25 58

MAY 23
 Resolute
 P 07 28 14

MAY 23
 U.S.C.G.S.
 40 1/2S, 75 1/2W
 Near coast of Chile
 H = 08 13 15
 Halifax
 iP 08 25 53 d
 Ottawa
 eP 08 25 54 c

MAY 23
 Shawinigan Falls
 iP 09 04 51 d

MAY 23
 Shawinigan Falls
 eP 09 51 00

MAY 23
 U.S.C.G.S.
 37 1/2S, 73W
 Chile
 H = 09 52 20
 Halifax
 eP 10 04 43.5

SEISMOLOGICAL BULLETIN - 1960

Ottawa eP 10 04 45	MAY 23 Halifax iP 18 35 03 d	MAY 24 Halifax eP 03 36 24
Seven Falls eP 10 04 54	Ottawa eP 18 35 03	Shawinigan Falls eP 03 36 31
MAY 23 U.S.C.G.S. 43 1/2S, 73 1/2W Chile H = 10 37 59	MAY 23 Shawinigan Falls eP 19 21 49	MAY 24 Halifax iP 04 01 49 c
Halifax eP 10 50 53.5	MAY 23 Halifax P 20 12 29	MAY 24 Halifax iP 04 06 46 d
Ottawa eP 10 50 54	MAY 23 Halifax iP 22 55 04 d	MAY 24 Halifax eP 07 15 23
MAY 23 Shawinigan Falls iP 13 14 30 c	MAY 23 Halifax iP 23 25 57 d	MAY 24 U.S.C.G.S. 44 1/2S, 167 1/2E South Island New Zealand H = 14 46 34 Mag 6 1/2
MAY 23 Ottawa eP 14 13 30	MAY 24 Halifax iP 00 56 39 c	Alberni eP' 15 05 09
MAY 23 U.S.C.G.S. Near coast of Chile H = 14 01 50	MAY 24 Halifax iP 01 50 26.5	Halifax iP' 15 06 13
Halifax iP 14 14 26 c	Ottawa iP 01 50 28 c	Ottawa eP' 15 05 56
Ottawa iP 14 14 27 c	MAY 24 Halifax iP 01 53 39 d	Shawinigan Falls eP' 15 06 11
MAY 23 Halifax iP 15 57 44 c	MAY 24 Halifax iP 01 53 39 d	Victoria eP' 15 05 25
MAY 23 Ottawa eP 16 08 53 c	MAY 24 Halifax iP 02 59 54 d	MAY 24 Halifax iP 15 28 50
	Shawinigan Falls eP 02 59 57	MAY 24 Shawinigan Falls eP 15 37 55

DOMINION OBSERVATORIES

MAY 24
Shawinigan Falls
iP 18 35 53 c

MAY 24
48.3N, 124.3W
Entrance to Juan de
Fuca Strait
H = 23 15 17.4
Alberni
iP 23 15 33.5 d
iS 23 15 46.1
Victoria
iP 23 15 28.0
iS 23 15 35.7

MAY 25
U.S.C.G.S.
45S, 76W
Off coast of Chile
H = 08 34 33
Mag 6 1/2
Halifax
iP 08 47 40
Ottawa
iP 08 47 35
Seven Falls
eP 08 47 49
Shawinigan Falls
eP 08 47 51
Victoria
eP 08 48 29

MAY 25
Resolute
P 08 53 31
i 08 54 51
i 09 04 50

MAY 25
Shawinigan Falls
eP 10 12 15

MAY 25
U.S.C.G.S.
1N, 129 1/2E
Halmahera
H = 13 38 28
Resolute
P 13 52 15

MAY 25
U.S.C.G.S.
1N, 128 1/2E
Halmahera
H = 14 27 38
Resolute
P 14 41 34

MAY 25
U.S.C.G.S.
40S, 75 1/2W
Chile
H = 19 21 48
Shawinigan Falls
iP 19 34 29 c

MAY 25
H = 22 03 50
Alberni
eP 22 03 58.9
eS 22 04 05.7
D = 56 km

MAY 26
Resolute
P 02 22 39

MAY 26
U.S.C.G.S.
40N, 20E
Albania - Greece border
H = 05 10 05
Halifax
iP 05 20 17
Resolute
iP 05 20 03c

Seven Falls
eP 05 20 39 d
Shawinigan Falls
iP 05 20 42 d
Victoria
iP 05 22 53

MAY 26
48.7N, 123.2W
North of San Juan Island
H = 07 32 20.2
Alberni
iP 07 32 42.4
iS 07 32 58.0
Victoria
iP 07 32 24.7
iS 07 32 28.5

MAY 26
Halifax
iP 15 19 19.5 c ?

MAY 26
Halifax
iP 15 21 18 d ?
Shawinigan Falls
eP 15 21 23

MAY 26
Ottawa
P 19 46 25
Shawinigan Falls
eP 19 46 33 c

MAY 26
U.S.C.G.S.
27N, 93E
Eastern India
H = 20 05 07
Resolute
P 20 17 11

SEISMOLOGICAL BULLETIN - 1960

MAY 26 Ottawa eP 23 11 30 Seven Falls eP 23 11 39	MAY 27 U.S.C.G.S. 45S, 77W Off coast of Chile H = 23 06 55 Halifax iP 23 19 57 Ottawa eP 23 19 55 d	MAY 28 Seven Falls eP 11 18 16
MAY 27 Resolute P 01 35 13	MAY 27 Resolute P 23 25 46	MAY 28 Resolute P 11 24 21 S 11 32 40
MAY 27 U.S.C.G.S. 41S, 76W Chile H = 03 17 21 Halifax iP 03 30 05 d Ottawa eP 03 30 04 Shawinigan Falls eP 03 30 17	MAY 27 Halifax iP 23 33 30 Ottawa eP 23 33 30	MAY 28 Canadian Arctic H = 12 32 52 h = 31 km Mag 3.6 Resolute eP _n 12 33 59 iP ₁ 12 34 14.5 iS _n 12 34 47.3 iS ₁ 12 35 15.5 D = 516 km
MAY 27 Resolute P 06 35 15	MAY 28 U.S.C.G.S. 39 1/2S, 74 1/2W Chile H = 03 05 53 Halifax eP 03 18 27 c Ottawa eP 03 18 30 Seven Falls eP 03 18 38	MAY 28 Resolute P 14 26 39
MAY 27 Resolute P 17 39 11	MAY 28 Alberni iP 05 27 03	MAY 28 Resolute P 18 52 08
MAY 27 Resolute P 17 42 28	MAY 28 U.S.C.G.S. 38S, 72 1/2W Chile H = 07 39 29 Mag 6 1/2 Halifax iP .07 51 55 c Ottawa eP 07 51 55 Seven Falls iP 07 52 05 c Victoria eP 07 53 01	MAY 29 U.S.C.G.S. 38S, 72 1/2W Chile H = 07 39 29 Mag 6 1/2 Halifax iP .07 51 55 c Ottawa eP 07 51 55 Seven Falls iP 07 52 05 c Victoria eP 07 53 01
MAY 27 U.S.C.G.S. 5 1/2S, 153E New Britain region H = 20 10 00 Ottawa eP' 20 28 43 Resolute P 20 23 38	MAY 28 U.S.C.G.S. 38S, 73W Chile H = 11 05 40 Halifax iP 11 18 05.5 c Ottawa eP 11 18 07	

DOMINION OBSERVATORIES

MAY 29 Resolute P 07 58 06 i 07 58 54 S 08 06 35	MAY 29 Near coast of Southern Chile H = 21 23 54 Halifax iP 21 36 48.5 c Ottawa eP 21 36 48 Seven Falls eP 21 36 57	MAY 30 U.S.C.G.S. 32S, 177 1/2W Kermadec Islands region H = 08 29 27 Resolute P' 08 48 15
MAY 29 Resolute P 08 16 05	MAY 29 Resolute P 21 42 42	MAY 30 U.S.C.G.S. Near southwest coast of Luzon, Philippine Islands H = 16 05 59 Resolute P 16 18 48
MAY 29 U.S.C.G.S. 25 1/2N, 124 1/2E Ryukyu Islands H = 08 20 01 Resolute P 08 31 55	MAY 29 Resolute P 21 53 01	MAY 30 Seven Falls eP 17 59 21
MAY 29 U.S.C.G.S. 37 1/2S, 73W Southern Chile H = 08 34 20 Halifax iP 08 46 47 c ? Ottawa eP 08 46 47 Seven Falls eP 08 46 58	MAY 30 H = 02 05 25.2 Victoria iP 02 05 59.7 c iS 02 06 27.7 D = 230 km	MAY 31 U.S.C.G.S. 39 1/2S, 75W Chile H = 02 40 00 Mag 6 Halifax iP 02 52 38 d Ottawa iP 02 52 36 d Seven Falls eP 02 52 48
MAY 29 Resolute P 12 06 58	MAY 30 U.S.C.G.S. 53 1/2N, 164W Unimak Island region H = 07 01 15 Resolute P 07 07 50 i 07 10 25	MAY 31 Resolute P 02 58 41 S 03 07 20
MAY 29 U.S.C.G.S. 37 1/2S, 73W Near coast of Chile H = 14 05 25 Halifax iP 14 17 48 Ottawa eP 14 17 49 d Seven Falls eP 14 17 59	MAY 30 Ottawa eP 07 13 12 Seven Falls eP 07 13 23	MAY 31 H = 03 45 56.4 Penticton eP 03 46 27 eS 03 46 51 D = 196 km

SEISMOLOGICAL BULLETIN - 1960

MAY 31		JUNE 1		JUNE 2	
U.S.C.G.S.		Resolute		Resolute	
18N, 62W		P	05 13 47	P	07 20 45
Leeward Islands		i	05 30 04		
H = 11 02 20					
Mag 6 1/2					
Alberni		JUNE 1		JUNE 2	
eP	11 12 19	U.S.C.G.S.		U.S.C.G.S.	
Halifax		38S, 73W		19S, 175W	
iP	11 08 03 c	Chile		Tonga Islands	
Ottawa		H = 05 02 56		H = 07 19 10	
iP	11 08 29 c	Halifax time correct		h = 150 km	
Penticton		to about \pm 2 seconds		Penticton	
iP	11 11 57 d	June 1st to June 21st		eP	07 31 39
Resolute		Halifax		Resolute	
P	11 12 22	iP	05 15 23 c	P	07 33 47
S	11 20 26	Ottawa		Victoria	
i	11 22 12	eP	05 15 23	eP	07 31 16 d
Seven Falls		Seven Falls			
eP	11 08 33	eP	05 15 32	JUNE 2	
Victoria				Penticton	
iP	11 12 12			eP	07 33 44
		JUNE 1			
		Resolute			
MAY 31		P	17 51 07	JUNE 2	
Alberni				U.S.C.G.S.	
eP	11 15 51			5 1/2S, 151 1/2E	
		JUNE 1		New Britain	
MAY 31		Ottawa		H = 07 47 11	
Resolute		eP	22 52 46	Mag 6 1/2	
P	11 41 30			Halifax	
		JUNE 2		iP'	08 06 - d
MAY 31		U.S.C.G.S.		Ottawa	
Resolute		46 1/2S, 74W		iP'	08 06 12 d
P	11 52 19	Southern Chile		Penticton	
		H = 05 58 03		eP	08 00 32
		Halifax		Resolute	
		iP	06 11 - d	P	08 01 04
		Ottawa		i	08 11 58
MAY 31		eP	06 11 10 d	Seven Falls	
U.S.C.G.S.		Seven Falls		iP'	08 06 17 d
5 1/2S, 109 1/2E		eP	06 11 20	Victoria	
Java Sea				iP	08 00 22
H = 21 00 40					
h = 600 km					
Resolute		JUNE 2			
P'	21 18 08	Resolute			
		eP	06 16 56 D		
		S	06 28 18		

DOMINION OBSERVATORIES

JUNE 2 Penticton iP 08 25 28 d Victoria eP 08 25 17 d	JUNE 2 U. S. C. G. S. 20 1/2S, 178 1/2W Fiji Islands H = 18 59 05 h = 550 km Penticton eP 19 10 56 Resolute P' 19 16 32 Victoria eP 19 10 45	JUNE 3 U. S. C. G. S. 41 1/2N, 141 1/2E Near south coast of Hokkaido, Japan H = 16 18 04 h = 100 km Ottawa eP 16 30 45 Resolute P 16 27 51 S 16 35 44 i 16 36 22 Victoria eP 16 28 26
JUNE 2 U. S. C. G. S. 40S, 74W Near coast of Chile H = 08 36 10 Halifax iP 08 48 - d Ottawa eP 08 48 47 d Seven Falls eP 08 48 57	JUNE 3 U. S. C. G. S. 17 1/2S, 179 1/2W Fiji Islands H = 13 14 38 h = 600 km Mag 6 Penticton iP 13 26 18 d Victoria eP 13 26 05 c	JUNE 3 Resolute P 17 23 12
JUNE 2 Resolute P 11 31 59	JUNE 3 U. S. C. G. S. 17 1/2S, 179W Fiji Islands H = 13 23 37 h = 600 km Mag 6 Penticton iP 13 35 17 d Resolute P 13 36 48 i 13 41 17 i 13 46 30 Seven Falls eP' 13 41 17 Victoria eP 13 35 04	JUNE 3 Resolute P 21 46 15 Victoria eP 21 42 21
JUNE 2 U. S. C. G. S. 33 1/2N, 49E Iran H = 12 42 38 Resolute P 12 53 50	JUNE 3 U. S. C. G. S. 18 1/2N, 61W Leeward Islands region H = 18 07 51 Resolute P 18 17 57	JUNE 4 Resolute P 01 18 03
JUNE 2 U. S. C. G. S. 18 1/2N, 61W Leeward Islands region H = 18 07 51 Resolute P 18 17 57	JUNE 4 U. S. C. G. S. 20N, 95 1/2W Near coast of Mexico H = 02 27 06 Mag 6 Ottawa eP 02 33 59 Resolute P 02 36 37 i 02 37 38 S 02 44 20 i 02 46 24 Seven Falls eP 02 34 32	JUNE 4 U. S. C. G. S. 20N, 95 1/2W Near coast of Mexico H = 02 27 06 Mag 6 Ottawa eP 02 33 59 Resolute P 02 36 37 i 02 37 38 S 02 44 20 i 02 46 24 Seven Falls eP 02 34 32
	JUNE 3 Resolute P 13 52 05	

SEISMOLOGICAL BULLETIN - 1960

Victoria
1P 02 33 36

JUNE 4
Resolute
P 15 20 25

JUNE 6
U. S. C. G. S.
45 1/2S, 73 1/2W
Near coast of Chile
H = 05 55 44
Mag 6 3/4

JUNE 4
U. S. C. G. S.
39S, 73 1/2W
Near coast of Chile
H = 03 02 49
Ottawa
1P 03 15 21 d
Seven Falls
eP 03 15 32

JUNE 5
U. S. C. G. S.
65S, 178E
Antarctic Ocean
H = 05 29 37
Resolute
P' 05 49 30

Halifax
eP 06 08.8
Ottawa
eP 06 08 48
Resolute
P 06 11 08
i 06 14 39
i 06 16 06
Seven Falls
eP 06 08 59
Victoria
e 06 09 49

JUNE 4
Resolute
eP 06 41 24 c

JUNE 5
Resolute
P 09 44 51
Victoria
eP 09 42 45

JUNE 6
Penticton
eP 06 13 52

JUNE 4
Resolute
P 08 18 07

JUNE 6
U. S. C. G. S.
41N, 125W
Off coast of Northern
California
H = 01 17 48
Mag 5 1/2
Alberni
eP 01 19 48

JUNE 6
Resolute
P 09 53 31

JUNE 4
U. S. C. G. S.
24N, 143E
Volcano Islands region
H = 10 14 11
Resolute
1P 10 25 55 d
Victoria
eP 10 25 54

Banff
1P 01 20 13.7 c
i- 01 20 48.3
eS 01 24 50.3
Halifax
eP 01 26 - d
Ottawa
eP 01 24 47
Penticton
eP 01 20 02
Resolute
P 01 24 55
S 01 30 40

JUNE 7
U. S. C. G. S.
40 1/2S, 70W
Southern Chile
H = 05 22 34
Halifax
eP 05 35 16 ? d
Ottawa
eP 05 35 16
Seven Falls
eP 05 35 26

JUNE 4
U. S. C. G. S.
39 1/2N, 30 1/2W
Azores Islands region
H = 11 05 10
Resolute
P 11 13 32

Seven Falls
eP 01 25 13
Victoria
eP 01 19 41.1
i- 01 19 42.6

JUNE 7
U. S. C. G. S.
17S, 98E
Indian Ocean
H = 05 25 11
Halifax
eP' 05 45 02 ? c

JUNE 4
Resolute
P 12 03 22

DOMINION OBSERVATORIES

Ottawa eP' 05 45 08 Resolute P' 05 44 08 Seven Falls iP' 05 45 02 c	JUNE 8 Halifax eP 02 57 33 ?	JUNE 9 Resolute P 02 39 58
JUNE 7 Resolute P 07 06 33	JUNE 8 Resolute P 03 01 25	JUNE 9 U. S. C. G. S. 39 1/2N, 39 1/2E Eastern Turkey H = 02 44 08 Resolute P 02 54 32 Seven Falls eP 02 55 46
JUNE 7 Resolute P 11 13 53	JUNE 8 48.8N, 123.1W Strait of Georgia near Saturna Island H = 05 09 56 Alberni eP 05 10 18.9 Victoria iP 05 10 02.3 eS 05 10 07.1	JUNE 9 Resolute P 04 31 21
JUNE 7 U. S. C. G. S. 53N, 158 1/2E Near east coast of Kamchatka H = 12 57 15 Ottawa eP 13 08 32 Resolute iP 13 05 24 c S 13 11 41 i 13 15 03 Seven Falls eP 13 08 39 c	JUNE 8 U. S. C. G. S. 35N, 35W North Atlantic Ocean H = 16 19 48 Banff eP 16 29 43 Ottawa eP 16 26 19 c Resolute eP 16 28 33 c S 16 35 36 Seven Falls eP 16 25 52 c	JUNE 9 Resolute P 05 04 12 JUNE 9 U. S. C. G. S. 9S, 112 1/2E Near south coast of Java H = 05 05 01 h = 350 km Halifax eP' 05 24 (07) c Resolute P' 05 23 05
JUNE 7 Resolute P 13 49 15	JUNE 8 Resolute P 21 59 00	JUNE 9 U. S. C. G. S. Strait of Otranto H = 08 24 00 Resolute P 08 33 53
JUNE 7 Canadian Arctic H = 13 57 39 h = 10 km Mag 2 Resolute eP _n 13 58 14.7 iP ₁ 13 58 17.5 iS _n 13 58 40.3 i 13 58 44 S ₁ 13 58 45 D = 225 km	JUNE 8 Resolute P 21 59 00	JUNE 9 U. S. C. G. S. Strait of Otranto H = 08 24 00 Resolute P 08 33 53

SEISMOLOGICAL BULLETIN - 1960

JUNE 9	Halifax	JUNE 11
Resolute	iP 00 45 08 ? d	U. S. C. G. S.
P 11 25 23	Ottawa	9 1/2S, 152 1/2E
Victoria	iP 00 45 14 d	D'entrecasteaux Islands
eP 11 21 15	Penticton	H = 16 37 40
	eP 00 46 55	Ottawa
	Resolute	eP' 16 56 43
	iP 00 47 53 d	Seven Falls
JUNE 9	i 00 58 04	eP' 16 56 49
U. S. C. G. S.	S 00 58 52	
18S, 169E	Seven Falls	
New Hebrides	iP 00 45 23 d	JUNE 11
H = 11 23 51	Victoria	Resolute
Victoria	eP 00 47 03	i 17 02 30
eP 11 36 59		i 17 05 20
		i 17 11 18
		Victoria
		e 17 03 12
JUNE 9	JUNE 11	
Resolute	Resolute	
P 12 55 33	P 11 58 19	
JUNE 9	JUNE 11	JUNE 12
Resolute	U. S. C. G. S.	U. S. C. G. S.
P 15 07 29	9S, 152 1/2E	22 1/2S, 179E
	D'entrecasteaux Islands	South of Fiji Islands
	H = 15 14 07	H = 03 56 44
	Banff	h = 600 km
JUNE 9	eP 15 27 51	Penticton
U. S. C. G. S.	Halifax	eP 04 08 42 c?
38N, 26W	eP' 15 33 16 ?	Resolute
Azores Islands	Ottawa	P' 04 14 11
H = 17 47 41	eP' 15 33 11	
Ottawa	Penticton	JUNE 12
eP 17 54 53	eP 15 27 33	Victoria
Resolute	Resolute	e 07 03 48
eP 17 56 22 d	P 15 28 19	
S 18 03 20	i 15 32 38	
Seven Falls	i 15 39 00	
eP 17 54 23	i 15 41 48	JUNE 12
	i 15 47 44	U. S. C. G. S.
	Seven Falls	29 1/2S, 179W
JUNE 11	eP' 15 33 15	Kermadec Islands
U. S. C. G. S.	Victoria	H = 06 58 12
21S, 64 1/2W	eP 15 27 25	h = 250 km
Southern Bolivia		Resolute
H = 00 34 48		P' 07 16 29
h = 300 km		i 07 46 28
Banff		
iP 00 46 52 c		

DOMINION OBSERVATORIES

JUNE 12		JUNE 13		JUNE 14
U. S. C. G. S.		H = 12 31 47.6		Resolute
36S, 98W		Penticton		P 07 01 40
South Pacific Ocean		iP 12 32 13.9		
H = 07 19 43		eS 12 32 34.0		
Mag 6 1/2		D = 164 km		JUNE 14
Ottawa				Resolute
eP 07 32 17				P 08 06 30
Penticton		JUNE 13		
eP 07 32 33		H = 13 44 18.4		
Seven Falls		Penticton		JUNE 14
eP 07 32 34		eP 13 46 21		Resolute
		eS 13 48 17		P 10 02 56
		D = 930 km		
JUNE 12				JUNE 14
Resolute		JUNE 13		Resolute
P 09 08 08		Penticton		P 11 16 19
		eP 15 01 33		
JUNE 12				JUNE 14
Resolute		JUNE 14		JUNE 14
eP 15 56 22 d		U. S. C. G. S.		H = 15 10 52.3
		43S, 73W		Alberni
		Near coast of southern		iP 15 10 02.6
JUNE 12		Chile		iS 15 10 10.5
Resolute		H = 02 54 13		D = 65 km
P 16 00 20		Halifax		
		eP 03 07 06 ?		JUNE 14
JUNE 12		Ottawa		Resolute
Resolute		eP 03 07 05		P 22 13 30
P 16 03 33				
		JUNE 14		JUNE 14
JUNE 13		Resolute		Resolute
U. S. C. G. S.		eP 04 22 24 c		P 23 34 04
44 1/2S, 76 1/2W				
Off coast of southern		JUNE 14		JUNE 15
Chile		Resolute		Resolute
H = 05 47 05		P 04 32 02		P 04 34 52
Halifax				
eP 06 00 09 ? d		JUNE 14		JUNE 15
Ottawa		U. S. C. G. S.		Resolute
iP 06 00 11 d		44 1/2N, 149E		P 04 43 16
Seven Falls		Kurile Islands		
iP 06 00 15 c		H = 04 27 00		
Resolute		Resolute		
P' 06 05 56		P 04 36 24		

SEISMOLOGICAL BULLETIN - 1960

JUNE 15 Resolute P 05 33 51	JUNE 15 H = 20 06 14.4 Penticton iP 20 06 47.0 i 20 06 49.9 eS 20 07 13 D = 213 km	JUNE 16 U. S. C. G. S. 12 1/2N, 125E Near coast of Samar, Philippine Islands H = 06 37 48 Resolute P 06 51 10
JUNE 15 Penticton eP 06 07 52	JUNE 15 U. S. C. G. S. 1/2S, 133E Western New Guinea H = 23 27 40 Ottawa iP' 23 46 51 d Resolute eP 23 41 31 c Seven Falls eP' 23 46 53	JUNE 16 U. S. C. G. S. 11 1/2N, 144E Mariana Islands H = 09 55 28 Resolute eP 10 08 13 c
JUNE 15 Resolute P 08 28 39	JUNE 15 U. S. C. G. S. 26S, 178 1/2E South of Fiji Islands H = 23 32 35 h = 600 km Halifax eP' 23 50 33 ? Ottawa iP' 23 50 19 Resolute P' 23 50 12	JUNE 16 Resolute P 16 19 54
JUNE 15 Ottawa eP 11 30 38	JUNE 15 U. S. C. G. S. 41N, 142 1/2E Near north coast of Honshu, Japan H = 15 36 51 Penticton eP 15 47 34 Resolute iP 15 46 52 c S 15 54 58 Seven Falls eP 15 49 42 Victoria eP 15 47 24 c	JUNE 16 Penticton eP 17 35 16 Resolute P 17 35 31
JUNE 15 Resolute eP 13 58 22 c	JUNE 16 Resolute P 03 24 05	JUNE 17 Resolute iP 05 23 43 c
JUNE 15 Resolute P 14 29 32	JUNE 16 U. S. C. G. S. 12N, 143 1/2E Mariana Islands H = 03 24 42 h = 150 km Resolute P 03 37 17	JUNE 17 Resolute eP 14 03 06 c
JUNE 15 U. S. C. G. S. 41N, 142 1/2E Near north coast of Honshu, Japan H = 15 36 51 Penticton eP 15 47 34 Resolute iP 15 46 52 c S 15 54 58 Seven Falls eP 15 49 42 Victoria eP 15 47 24 c	JUNE 16 Resolute P 10 39 49	JUNE 17 Resolute P 14 15 56
JUNE 15 Resolute P 19 56 39		

DOMINION OBSERVATORIES

JUNE 17 U. S. C. G. S. 52 1/2N, 173 1/2W Andreanof Islands H = 16 35 32 Mag 6 Ottawa iP 16 45 35 i 16 45 44 Resolute P 16 42 53 i 16 45 10 Seven Falls eP 16 45 43 i 16 45 52 Victoria eP 16 42 02 c ?	JUNE 17 Resolute P 20 45 47	JUNE 19 Ottawa eP 08 02 12 d
JUNE 17 Resolute P 16 48 57	JUNE 18 Ottawa eP 02 15 48 c	JUNE 19 Resolute P 09 25 20
JUNE 17 Resolute P 17 23 43	JUNE 18 Resolute P 02 51 15	JUNE 19 Halifax P 10 30 09 ? Ottawa eP 10 30 10
JUNE 17 Ottawa eP 17 26 33	JUNE 18 U. S. C. G. S. 9 1/2S, 152 1/2E D'entrecasteaux Islands H = 03 19 04 Ottawa eP' 03 38 10 c	JUNE 19 U. S. C. G. S. 15S, 178 1/2W Fiji Islands region H = 12 21 53 h = 500 km Banff iP 12 33 47 d Victoria eP 12 34 17
JUNE 17 Resolute P 18 10 17	JUNE 19 Canadian Arctic H = 00 45 15 h = 32 km Mag 3.2 Resolute eP _n 00 45 49.5 i 00 45 51.2 iP ₁ 00 45 55.7 S _n 00 46 16.2 S ₁ 00 46 24.2 D ₁ = 250 km	JUNE 19 U. S. C. G. S. 44 1/2N, 149E Kurile Islands H = 12 34 34 Resolute P 12 44 00
JUNE 17 Resolute P 18 15 15	JUNE 19 Halifax P 02 52 35	JUNE 19 U. S. C. G. S. 38N, 142 1/2E Bonin Islands H = 17 17 25 Resolute P 17 28 46 i 17 38 00
JUNE 17 Ottawa iP 20 46 25 d	JUNE 19 Halifax iP 05 37 54 ? c	

SEISMOLOGICAL BULLETIN - 1960

JUNE 20
 U. S. C. G. S.
 38S, 73 1/2W
 Near coast of Chile
 H = 02 01 08
 Mag 7
 Halifax
 eP 02 13 36 ? c
 Ottawa
 eP 02 13 36
 Seven Falls
 eP 02 13 46

JUNE 20
 Victoria
 eP 02 29 17 d

JUNE 20
 Resolute
 P 08 12 23

JUNE 20
 U. S. C. G. S.
 39 1/2S, 73W
 Chile
 H = 12 59 40
 Mag 6 3/4
 Banff
 eP 13 13 14
 Ottawa
 iP 13 12 14 c
 Resolute
 P 13 14 34
 i 13 18 22
 i 13 19 14
 iS 13 27 00
 i 13 29 03
 Seven Falls
 eP 13 12 22 c
 Victoria
 eP 13 13 18 d

JUNE 20
 Ottawa
 eP 13 36 40
 Seven Falls
 eP 13 36 50

JUNE 20
 U. S. C. G. S.
 Near coast of
 southern Chile
 H = 14 23 30
 Ottawa
 eP 14 36 15
 Seven Falls
 eP 14 36 21

JUNE 20
 Resolute
 P 15 43 20

JUNE 20
 U. S. C. G. S.
 57N, 154 1/2W
 Kodiak Island, Alaska
 H = 16 56 25
 Ottawa
 eP 17 05 03
 Resolute
 P 17 02 19

JUNE 20
 U. S. C. G. S.
 38 1/2S, 74W
 Off coast of Chile
 H = 16 59 35
 Ottawa
 eP 17 12 04
 Seven Falls
 eP 17 12 13

JUNE 20
 Resolute
 iP 17 58 13 c

JUNE 20
 U. S. C. G. S.
 36 1/2N, 139 1/2E
 Honshu, Japan
 H = 22 56 49
 Resolute
 P 23 07 22

JUNE 21
 Ottawa
 eP 06 45 25

JUNE 21
 U. S. C. G. S.
 4 1/2S, 105W
 Pacific Ocean
 H = 08 34 39
 Ottawa
 eP 08 44 22
 Resolute
 P 08 46 45
 i 08 56 47

JUNE 21
 U. S. C. G. S.
 2S, 80 1/2W
 Near coast of Ecuador
 H = 14 05 57
 Resolute
 P 14 17 49

JUNE 21
 H = 21 27 23.3
 Victoria
 eP 21 27 42.8 d ?
 iS 21 27 57.7
 D = 122 km

DOMINION OBSERVATORIES

<p>JUNE 21 U. S. C. G. S. 61 1/2S, 21W Sandwich Islands region H = 21 33 45 Ottawa eP' 21 53 28 i 21 54 21 Resolute P' 21 53 19 Seven Falls eP' 21 53 33</p>	<p>JUNE 22 Halifax eP 09 09 42 d Ottawa eP 09 09 39 d</p> <p>JUNE 22 U. S. C. G. S. 12N, 57 1/2E Arabian Sea H = 16 12 00 Resolute P 16 25 12</p>	<p>JUNE 25 Victoria eP 01 32 11 c</p> <p>JUNE 25 U. S. C. G. S. 30 1/2S, 177W Kermadec Islands H = 02 02 35 Resolute P' 02 21 22</p>
<p>JUNE 22 U. S. C. G. S. 62S, 156 1/2E Antarctic Ocean H = 02 58 24 Ottawa eP' 03 18 13 Resolute P' 03 18 25</p>	<p>JUNE 22 U. S. C. G. S. 52N, 173W Andreanof Islands H = 23 28 50 Halifax eP 23 39 40.5 d ? Ottawa eP 23 38 58 Resolute P 23 36 08 i 23 38 24 Seven Falls eP 23 39 07 Victoria iP 23 35 16 d</p>	<p>JUNE 25 U. S. C. G. S. 6 1/2N, 72 1/2W Colombia H = 13 53 37 Alberni eP 14 03 54 Halifax iP 14 01 07 c i 14 03 15 Ottawa iP 14 01 07 c Resolute iP 14 04 46 c iS 14 13 34 i 14 14 31 Seven Falls iP 14 01 21 c Victoria iP 14 03 45 c</p>
<p>JUNE 22 Ottawa eP 04 33 11</p>	<p>JUNE 22 U. S. C. G. S. Near coast of Chile H = 06 40 10 Halifax eP 06 52 45 c ? Ottawa iP 06 52 45 d</p>	<p>JUNE 23 Victoria eP 00 34 28 d ?</p> <p>JUNE 23 Resolute P 23 39 00</p>
<p>JUNE 22 U. S. C. G. S. Near coast of southern Chile H = 08 11 50 Ottawa iP 08 24 52 c</p>	<p>JUNE 24 H = 11 51 09.6 ? Not located Alberni iP 11 51 48.8 Victoria iP 11 51 14.2 iS 11 51 17.7</p>	<p>JUNE 25 Resolute P 15 01 34 i 15 08 44</p> <p>JUNE 25 U. S. C. G. S. 28S, 68W Catamarca Province, Argentina H = 19 35 27 h = 100 km</p>

SEISMOLOGICAL BULLETIN - 1960

Halifax iP 19 46 49	JUNE 27 Resolute P 19 59 19	Seven Falls eP 02 10 15
Ottawa iP 19 46 53 d		Shawinigan Falls eP 02 10 12
Seven Falls eP 19 47 02	JUNE 28 Resolute P 08 32 20	JUNE 29 Resolute P 02 16 02
i 19 47 27		i 02 25 04
Shawinigan Falls iP 19 46 59 d		
Victoria eP 19 48 22	JUNE 28 Resolute P 14 34 43	JUNE 29 U. S. C. G. S. 30S, 177 1/2W Kermadec Islands H = 04 29 12
JUNE 26 Resolute P 00 10 34	JUNE 28 Resolute P 15 49 48	Halifax eP 04 48 19
JUNE 26 48.9N, 122.4W		Resolute P 04 47 58
Northeast of Bellingham, Washington	JUNE 28 Resolute P 21 13 04	i 04 57 02
H = 06 33 17.8		
Alberni iP 06 33 46.2	JUNE 29 Ottawa eP 01 29 34	JUNE 29 30N, 139E South of Honshu, Japan H = 05 14 56 h = 500 km
Penticton eP 06 33 51		Resolute iP 05 25 23 c
Victoria iP 06 33 30.9 d		Victoria eP 05 25 42 c
JUNE 26 U. S. C. G. S. 26S, 71E		
Indian Ocean H = 16 48 40	JUNE 29 Resolute P 01 54 55	JUNE 29 Ottawa eP 09 57 22
Ottawa eP' 17 08 26		Shawinigan Falls eP 09 57 30
Resolute P' 17 07 55	JUNE 29 U. S. C. G. S. Southern Chile H = 01 57 14	JUNE 29 Resolute i 10 11 40
Shawinigan Falls iP' 17 08 19 c		
JUNE 27 Resolute P 17 09 13		
i 17 18 32		
	Halifax eP 02 10 06	
	Ottawa eP 02 10 07	

DOMINION OBSERVATORIES

JUNE 29

U. S. C. G. S.
47 1/2N, 27W

Atlantic Ocean
H = 10 23 02

Halifax
eP 10 28 30

Ottawa
eP 10 29 40

Resolute
P 10 30 31

Seven Falls
eP 10 29 05

Shawinigan Falls
eP 10 29 18

Ottawa

iP 20 06 50 d

Resolute

iP 20 03 53 d

S 20 08 10

Seven Falls

iP 20 06 58

Shawinigan Falls

iP 20 06 54 d

Victoria

eP 20 03 06 d ?

JUNE 29

U. S. C. G. S.
53N, 168 1/2W

Fox Islands
H = 17 07 00

Ottawa
eP 17 16 45

Resolute
P 17 13 58
S 17 19 34

Seven Falls
eP 17 16 52

Shawinigan Falls
eP 17 16 49 c

JUNE 29

Resolute
P 17 50 22

JUNE 29

Shawinigan Falls
eP 21 05 43

JUNE 30

U. S. C. G. S.
60N, 151W
Kenai Peninsula,
Alaska

H = 19 58 33

Halifax
iP 20 07 38 d

SEISMOLOGICAL BULLETIN - 1960

EARTHQUAKES IN THE CANADIAN ARCTIC

The following disturbances were recorded during the second quarter of 1960. The times of observed phases are given at their respective chronological positions in the text of this bulletin.

APRIL 10 at 01 59 10 U. T. Magnitude 1.9. Originated 230 km from Resolute, N. W. T. at a depth of about 5 km.

APRIL 17 at 12 41 35 U. T. Magnitude 1.8. Originated 208 km from Resolute, N. W. T. at a depth of about 29 km.

MAY 17 at 19 15 04 U. T. Magnitude 4.8. Originated 850 km from Resolute, N. W. T. at a depth of about 11 km.

MAY 19 at 07 44 37 U. T. Magnitude 2.8. Originated 198 km from Resolute, N. W. T. at a depth of about 24 km.

MAY 28 at 11 32 52 U. T. Magnitude 3.6. Originated 516 km from Resolute, N. W. T. at a depth of about 31 km.

JUNE 7 at 13 57 39 U. T. Magnitude 2.0. Originated 225 km from Resolute, N. W. T. at a depth of about 10 km.

JUNE 19 at 00 45 15 U. T. Magnitude 3.2. Originated 250 km from Resolute, N. W. T. at a depth of about 32 km.

DOMINION OBSERVATORIES

EARTHQUAKES IN EASTERN CANADA AND ADJACENT AREAS

The following disturbances were recorded during the second quarter of 1960. The times of observed phases are given at their respective chronological positions in the text of this bulletin.

APRIL 1 at 17 11 12 U. T. Magnitude 2.5. Epicentre at 46°56'N, 75°38'W. A few miles east of the northern arm of Baskatong Reservoir Quebec. This is similar to a disturbance recorded in the same area, on January 20, 1960 at 20 07 40 U. T.

APRIL 23 at 11 47 52 U. T. Magnitude 4.0. Epicentre at 47°32'N, 70°18'W. About nine miles southwest of La Malbaie, Que. Felt at La Malbaie, Quebec.

APRIL 28 at 09 28 33 U. T. Originated 148 km from Halifax, N. S. Possibly a blast.

SEISMOLOGICAL BULLETIN - 1960

EARTHQUAKES IN WESTERN CANADA
AND ADJACENT AREAS

The following disturbances were recorded during the first quarter of 1960. The times of observed phases are given at their respective chronological positions in the text of this bulletin.

JANUARY 2 at 12 08 02 U. T. Magnitude 3.5 Off coast of Washington.

JANUARY 2 at 18 34 09.4 U. T. Magnitude 2.2 Epicentre at 48°45'N, 123°16'W. South Pender Island.

JANUARY 7 at 09 16 04.4 U. T. Magnitude 3.6 Epicentre at 46°56'N, 122°30'W. Southern Puget Sound, near Olympia, Wash.

JANUARY 12 at 07 52 55 U. T. Magnitude 2.3 Epicentre at 48.2N, 124.9W. Off coast of Washington.

JANUARY 16 at 07 31 01 U. T. Magnitude 3.5 Epicentre at 46°45'N, 121°47'W. Southern Puget Sound Area, southwest corner of Mt. Rainier National Park, Washington.

JANUARY 19 at 09 00 54 U. T. Magnitude 3.3 Epicentre at 51°06'N, 124°29'W. Southwest of Chilko Lake, B. C.

FEBRUARY 2 at 09 51 59.5 U. T. Magnitude 4.3 Epicentre at 45°03'N, 128°00'W. Off coast of Oregon.

FEBRUARY 3 at 04 18 36.5 U. T. Magnitude 4.0 Epicentre at 44°31'N, 126°28'W. Off coast of Oregon.

FEBRUARY 6 at 01 10 35.4 U. T. Magnitude 2.4 Epicentre 48°44'N, 121°32'W. Southeast of Mt. Baker, Washington.

FEBRUARY 10 at 16 48 15.0 U. T. Magnitude 1.9 Epicentre 48°51'N, 123°00'W. Strait of Georgia.

FEBRUARY 11 at 12 35 08.6 U. T. Magnitude 2.5 Epicentre 49°49'N, 123°46'W. Near entrance to Jervis Inlet.

FEBRUARY 13 at 11 33 49.5 U. T. Magnitude 1.2 Epicentre 48°20'N, 123°41'W. Strait of Juan de Fuca.

FEBRUARY 16 at 16 26 48 U. T. 197 km from Victoria.

FEBRUARY 19 at 00 05 55.5 U. T. Magnitude 2.1 Epicentre at 48.7N, 123.7W. Southern Vancouver Island.

DOMINION OBSERVATORIES

FEBRUARY 19 at 23 13 02 U.T. Magnitude 2.4 238 km from Victoria

FEBRUARY 25 at 11 29 58.3 U.T. 198 km from Alberni.

FEBRUARY 26 at 05 48 46.6 U.T. Magnitude 1.5 Epicentre at 48.8N
123.6W. Southern Vancouver Island.

FEBRUARY 29 at 18 53 49 U.T. Magnitude 1.5 Epicentre at 48.8N,
123.6W. Southern Vancouver Island.

MARCH 12 at 07 22 44 U.T. Magnitude 2.0 52 km from Alberni.

MARCH 14 at 19 17 45 U.T. Magnitude 4.1 Epicentre at 44 1/2N,
129 1/2W. Off coast of Oregon.

MARCH 14 at 20 57 23 U.T. Magnitude 4.4 Epicentre at 45N, 128W.
Off coast of Oregon.

MARCH 17 at 18 08 10 U.T. Magnitude 2.1 Epicentre at 47.6N,
122.1W. East of Seattle Washington.

MARCH 22 at 01 13 48 U.T. Magnitude 1.8 Epicentre at 49°03'N,
122°14'W. Sumas Region.

MARCH 22 at 10 31 51.9 U.T. Magnitude 1.9 Epicentre at 48°44'N,
123°15'W. South Pender Island.

MARCH 25 at 07 01 51.2 U.T. Magnitude 1.3 41 km from Victoria.

MARCH 27 at 01 39 21.3 U.T. Magnitude 2.5 Epicentre at 48°51'N,
123°18'W. Strait of Georgia.

MARCH 28 at 07 25 44.6 U.T. Magnitude 1.2 Epicentre at 48°44'N,
123°12'W. South Pender Island.

MARCH 31 at 11 41 49 U.T. Magnitude 3.9 Epicentre at 49.2N,
128.6W. Off west coast of Vancouver Island.

SEISMOLOGICAL BULLETIN - 1960

EARTHQUAKES IN WESTERN CANADA
AND ADJACENT AREAS

The following disturbances were recorded during the second quarter of 1960. The times of observed phases are given at their respective chronological positions in the text of this bulletin.

APRIL 1 at 14 12 05 U. T. Magnitude 4. 2. Epicentre at 48.8N, 129.5 W. West of Vancouver Island.

APRIL 1 at 14 42 44 U. T. Magnitude 3. 1. Epicentre at 48.9N, 128.8W. Off west of Vancouver Island.

APRIL 1 at 23 20 06 U. T. Magnitude 1. 8. Epicentre at 49.8N, 124.5W. South of Powell River.

APRIL 4 at 13 26 40 U. T. About 700 km from Penticton.

APRIL 5 at 10 46 25 U. T. About 90 km from Penticton.

APRIL 5 at 23 29 29 U. T. 290 km from Penticton.

APRIL 6 at 09 14 16 U. T.

APRIL 7 at 16 06 31 U. T. About 200 km from Penticton.

APRIL 7 at 20 56 02 U. T. 178 km from Penticton.

APRIL 7 at 21 45 09.4 U. T. 22 km from Victoria.

APRIL 9 at 14 33 05.5 U. T. Epicentre at 48.6N, 122.7W. Gulf Islands.

APRIL 9 at 20 59 36.4 U. T. Epicentre at 48.4N, 122.6W. Whidbey Islands.

APRIL 11 at 05 55 16 U. T. 500 km from Penticton.

APRIL 11 at 06 47 34.5 U. T. Magnitude 3. 3. Epicentre at 47.6N, 122.2W. Southwest of Seattle, Washington.

APRIL 12 at 13 37 13.2 U. T. Seattle aftershock, 380 km from Penticton.

APRIL 12 at 15 18 26.5 U. T. 138 km from Penticton.

APRIL 12 at 15 50 13.2 U. T. , 138 km from Penticton.

APRIL 14 at 00 37 51.8 U. T. Epicentre at 48.5 N, 130.4W. Off west coast of Vancouver Island.

DOMINION OBSERVATORIES

- APRIL 15 at 08 10 51.8 U.T. 164 km from Penticton.
- APRIL 16 at 00 27 20.8 U.T. 180 km from Penticton.
- APRIL 16 at 13 09 36.2 U.T. Epicentre at 48.4N, 122.5W.
Northeast of Whidbey Island.
- APRIL 19 at 00 08 16.4 U.T. 176 km from Penticton.
- APRIL 20 at 17 02 05.6 U.T. 192 km from Penticton.
- APRIL 20 at 22 23 53 U.T. Epicentre at 48.5N, 123.8W.
- APRIL 21 at 05 22 47.3 U.T. 199 km from Penticton.
- APRIL 21 at 17 48 44 U.T. 1300 km from Penticton.
- APRIL 22 at 22 58 38.6 U.T. 339 km from Penticton.
- APRIL 23 at 00 53 46.2 U.T. 164 km from Penticton.
- APRIL 26 at 03 49 30.6 U.T. 20 km from Penticton.
- APRIL 27 at 00 59 46.9 U.T. 21 km from Penticton.
- APRIL 27 at 04 32 30 U.T. Epicentre at 44 1/2N, 111W. Hebgen
Lake, Montana.
- APRIL 27 at 04 44 02.2 U.T. 171 km from Horseshoe Bay.
- APRIL 29 at 02 06 19.2 U.T. Epicentre at 48.5N, 123.8W.
- APRIL 30 at 11 38 04.2 U.T. 166 km from Alberni.
- MAY 4 at 08 27 25.8 U.T. 255 km from Penticton.
- MAY 4 at 20 35 25.4 U.T. 175 km from Penticton.
- MAY 5 at 03 39 35.9 U.T. Near Hebgen Lake, Montana (?).
- MAY 10 at 17 41 37.5 U.T. 40 km from Victoria.
- MAY 12 at 16 08 44.2 U.T. Epicentre at 44.7N, 127W. Off west
coast Oregon.
- MAY 13 at 01 11 12.0 (?) U.T. Not located.
- MAY 14 at 12 56 22.1 U.T. Epicentre at 48.4N, 125.4W. Off
west coast of Vancouver Island.

SEISMOLOGICAL BULLETIN - 1960

MAY 18 at 02 01 02.3 U. T. 128 km from Penticton.

MAY 18 at 04 31 07.4 U. T. 13 km from Alberni.

MAY 23 at 02 47 22.6 (?) 180 km from Victoria.

MAY 24 at 23 15 17.4 U. T. Epicentre at 48.3N, 124.3W. Entrance to Juan de Fuca Strait.

MAY 25 at 22 03 50.0 U. T. 56 km from Alberni.

MAY 26 at 07 32 20.2 U. T. Epicentre at 48.7N, 123.2W. North of San Juan Island.

MAY 30 at 02 05 25.2 U. T. 230 km from Victoria.

MAY 31 at 03 45 56.4 U. T. 196 km from Penticton.

JUNE 6 at 01 17 48 U. T. Magnitude 5 1/2. Epicentre at 41N, 125W. Off coast northern California.

JUNE 8 at 05 09 56 U. T. Epicentre at 48.8N, 123.1W. Strait of Georgia near Saturna Island.

JUNE 13 at 12 31 47.6 U. T. 164 km from Penticton.

JUNE 13 at 13 44 18.4 U. T. 930 km from Penticton.

JUNE 13 at 15 01 33. Recorded at Penticton.

JUNE 14 at 15 10 52.3 U. T. 65 km from Alberni.

JUNE 15 at 20 06 14.4 U. T. 213 km from Penticton.

JUNE 21 at 21 27 23.3 U. T. 122 km from Victoria.

JUNE 24 at 11 51 09.6 (?) U. T. Not located.

JUNE 26 at 06 33 17.8 U. T. Epicentre at 48.9N, 122.4W. Northeast of Bellingham, Washington.