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SEISMOLOGICAL BULLETIN

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This report lists the instrumental results obtained at the seismological stations maintained by the Seismological Service of Canada. These are divided into two divisions.

Eastern Division

Ottawa, Ontario -
Dominion Observatory, Dept. of Mines and Technical Surveys.

Halifax, Nova Scotia -
Operated by Dalhousie University for the Dominion Observatory.

Schefferville, Quebec -
Operated by McGill University for the Dominion Observatory.

Seven Falls, Quebec -
Owned by the Quebec Power Company; operated by the Company for the Dominion Observatory.

Shawinigan Falls, Quebec -
Owned by the Shawinigan Water and Power Co.; operated by the Company for the Dominion Observatory.

Kirkland Lake, Ontario -
Owned and operated by the Dominion Observatory. F.J. Hallick in charge.

Resolute, Northwest Territories -
Owned and operated by the Dominion Observatory. D.C. Stockbridge in charge to August, 1956. D.F. Young in charge after August, 1956.

The records of all stations of the Eastern Division are stored at Ottawa. Local earthquakes are interpreted by means of travel-time curves based on rockburst studies. (See J.H. Hodgson, Publications of the Dominion Observatory, XVI, Nos. 5 and 6).

Western Division

Victoria, British Columbia -
Dominion Astrophysical Observatory, Dept. of Mines and Technical Surveys, Royal Oak, B.C.

Saskatoon, Saskatchewan -
Operated by the University of Saskatchewan for the Dominion Observatory.

Banff, Alberta -
Operated by the Banff School of Fine Arts for the Dominion Observatory.

Horseshoe Bay, British Columbia -
Owned and operated by the Dominion Observatory.
W.S. Blacklock in charge.

Alberni, British Columbia -
Owned and operated by the Dominion Observatory.
W. N. Burgess in charge.

The records of all stations of the Western Division are stored at Victoria.

The stations at Schefferville and Banff are experimental installations. Continuous operation will not be attempted during the current year but records of particular earthquakes may be available. The station formerly known as Resolute Bay is now called Resolute; this is in accordance with a decision of the Canadian Board on Geographical Names.

John H. Hodgson,
Chief, Division of Seismology.

STATION	POSITION AND ELEVATION	FOUNDATION	INSTRUMENT	T_s	T_g	MAGNIFICATION AT 1 cycle/sec.	DAMPING	PAPER SPEED mm/min.	TIME MARK ZERO	GROUND MOTION-TRACE UP
Alberni	49° 16' 14'' N 124° 49' 18'' W	Basic volcanic rock	Willmore-Sharpe Z	0.3	0.03	700	Near critical	60	End	Up
			NS	0.3	0.03	700	Near critical	60	End	South
			EW	0.3	0.03	700	Near critical	60	End	East
Banff	51°10.3' N 115°33.5'W	Rock	Willmore-Watt Z	1.0	0.25	9,000	Critical	53.4	End	
Halifax	44° 38' N 63° 36' W h = 46 m.	Carbonaceous slate	Benioff Z	1.0	0.2	39,000	Critical	60	End	Up
			Benioff Z	1.0	60	2,300	Critical	30	End	Up
			Sprengnether NS	20	20	1,300	Critical	30	End	North
			Sprengnether EW	20	20	1,300	Critical	30	End	East
Horseshoe Bay	49° 22' 39'' N 123° 16' 33'' W	Granddiorite	Willmore-Watt Z	1.0	.03	4,500	Near critical	60	End	Down
			NS	1.0	.03	6,000	Near critical	60	End	South
			EW	1.0	.25	18,000	Near critical	60	End	West
Kirkland Lake	48° 08' 41'' N 80° 01' 45'' W h = 310 m.	Precambrian basement	Sprengnether Z	1.4	1.4	9,000	Critical	60	End	Up
			Willmore-Watt Z	1.0	20		Near critical	60	End	Up
Ottawa	45° 23' 38'' N 75° 42' 57'' W h = 83 m.	Boulder clay over lime-stone	Milne-Shaw NS	12		300	20:1	15	End	South
			Milne-Shaw EW	12		300	20:1	15	End	West
			Benioff Z	1.0	0.2	45,000	Critical	60	End	Up
			Benioff Z	1.0	20	40,000	Near critical	30	End	Up
			Leet-Blumberg Z	1.5	0.06	100,000 ca.	Under-damped	60	End	Up
			Leet-Blumberg NS	1.5	0.06	100,000 ca.	''	60	End	South
			Leet-Blumberg EW	1.5	0.06	100,000 ca.	''	60	End	West

STATION	POSITION AND ELEVATION	FOUNDATION	INSTRUMENT	T_s	T_g	MAGNIFICATION AT 1 cycle/sec.	DAMPING	PAPER SPEED mm/min.	TIME MARK ZERO	GROUND MOTION-TRACE UP
Resolute	74° 41' N	Early	Sprengnether Z	1.4	1.4	9,000	Critical	60	End	Up
	94°54' W	Palaeozoic	Sprengnether NS	14.1	14.1	450	Critical	60	End	North
	h = 5 m.	Limestone	Sprengnether EW	16.0	16.0	450	Critical	60	End	East
	At a point 1000'N15°W of above	Permafrost	Columbia Z	12.2	12.5		Near critical	30	End	Up
Saskatoon	52°08' N	Clay and Sand	Milne-Shaw NE/SW	12		150	20:1	8	End	NE
	106° 38' W		Milne-Shaw NW/SE	12		150	20:1	8	End	SE
	h = 515 m.									
Schefferville	54° 49' N	Precambrian	Willmore-Watt Z	1.0	0.25	9,000	Near critical	53.4	End	Up
	66° 41' W	basement rock								
	h = 512 m.									
Seven Falls	47° 07.4' N	Precambrian	Wood-Anderson EW	1.0		2,200	15:1	60	End	East
	70° 49.6'W	basement	Milne-Shaw EW	12		300	20:1	8	End	East
	h = 232 m.	rock	Benioff Z	1.0	0.2	50,000 ca.	Critical	60	End	Up
Shawinigan Falls	46° 33.1' N	Precambrian	Wood-Anderson NS	1.0		2,200	15:1	60	End	North
	72° 45.8' W	basement	Willmore Z	1.0	2.0	20,000 ca.	Critical	60	End	Up
	h = 60 m.	rock								
Victoria	48° 31'09.9'N	Quartz	Benioff Z	1.0	0.2	29,000	Near critical	60	End	Up
	123° 24' 55.1"W	Diorite								
	h = 197 m.		Benioff NS	1.0	0.2	33,000	Near critical	60	End	South
			Benioff EW	1.0	0.2	27,000	Near critical	60	End	East
			Benioff Z	1.0	80	5,600	Over-damped	30	End	Up
			Benioff NS	1.0	80	4,200	Under-damped	30	End	North
			Benioff EW	1.0	80	2,700	Over-damped	30	End	East
			Milne-Shaw EW	12		300	20:1	8	End	West
			Milne-Shaw NS	12		300	20:1	8	End	North

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JANUARY 1
U.S.C.G.S.
7S, 129E
Timor Island region
h = 150 km
H = 23 08 28
Halifax
ePʹ 23 27 48 c
ePKS 23 31 06
Ottawa
iPʹ 23 27 29 d
i 23 27 39
i 23 27 42
pPʹ 23 28 25
PP 23 29 28
iPKS 23 30 53
e 23 32 25
PPP 23 32 25
Resolute
eP 23 22 39
ePʹ 23 26 56
ePP 23 27 17
eSKS 23 32 58
esS (?) 23 35 43
ePS 23 36 33
Seven Falls
ePʹ 23 27 30
e 23 27 40
e 23 28 27
pPʹ 23 28 32
e 23 28 41
PP 23 29 47
iPKS 23 30 54
PPP 23 32 20
Shawinigan Falls
ePʹ 23 27 40
iPP 23 30 53 d

JANUARY 2
U.S.C.G.S.
8N, 95E
Nicobar Isl. region
H = 01 30 15
Resolute
ep 01 43 53

JANUARY 2
U.S.C.G.S.
19S, 180
Fiji Isl.
h = 600 km
H = 09 28 06
Resolute
e(PPP) 09 47 54

JANUARY 2
Ottawa
iP_n 20 11 01
S_n 20 11 18
eL 20 11 26
D = 150 km

JANUARY 3
U.S.C.G.S.
33N, 118W
Near Coast of southern California
H = 00 25 44
Resolute
eL 00 46 08

JANUARY 3
Shawinigan Falls
iP 03 51 29

JANUARY 3
Resolute
e 05 22 03
e 05 50 58

JANUARY 3
U.S.C.G.S.
43 1/2N, 147E
Southern Kurile Isl.
H = 10 41 08
Halifax
eP 10 54 02
Kirkland Lake
eP 10 53 18
Ottawa
iP 10 53 40 d
Resolute
iP 10 50 45 c
e 10 50 58
Seven Falls
eP 10 53 41 d
Shawinigan Falls
eP 10 53 41

JANUARY 3
U.S.C.G.S.
51N, 180
Andreanof Isl., Aleutians
H = 13 03 41
Resolute
eP 13 11 24 c
e 13 15 08

JANUARY 3
U.S.C.G.S.
32 1/2N, 116W
California-Mexico border
H = 14 24 05
Resolute
eL 14 46 50
eL 14 51 12

JANUARY 3
Resolute
e 15 37 13

JANUARY 3
U.S.C.G.S.
48 1/2N, 155E
Kurile Islands
H = 15 40 55
Halifax
iP 15 53 16 c
iPP 15 53 28 d
Kirkland Lake
eP 15 52 26 c?
e 15 52 34 c

DOMINION OBSERVATORIES

Ottawa
eP 15 52 48 d
Resolute
e(P) 15 49 25
iP 15 49 43 c
e 15 53 28
eS 15 56 46
eL 16 06 48
Seven Falls
eP 15 52 52 d
P_cP 15 53 00
Shawinigan Falls
iP 15 52 49 d
P_cP 15 52 57
Victoria
eP 15 49 04

JANUARY 3
Victoria
eP 17 31 22
Local Shock

JANUARY 3
Ottawa
iP_n 18 53 22
iS_n 18 53 39
eL 18 53 47
D = 150 km

JANUARY 3
U.S.C.G.S.
Near east coast of
Kamchatka
H = 21 33 35
Resolute
eP 21 41 53 c

JANUARY 3
U.S.C.G.S.
54 1/2N, 163W
Unimak Isl., Alaska
H = 23 24 52
Kirkland Lake
eP 23 33 41 d?

Ottawa
iP 23 34 12 d
i 23 34 19
i 23 34 33
P_cP 23 35 17
PP 23 36 15
Resolute
iP 23 31 26 c
ePP 23 32 32
eP_cP 23 34 11
eL 23 41 23
Seven Falls
eP 23 34 21 d
Shawinigan Falls
eP 23 34 17

JANUARY 3
Resolute
iP 23 37 53 d

JANUARY 4
U.S.C.G.S.
42 1/2N, 143E
Southern Hokkaido,
Japan
H = 05 07 53
Resolute
eP 05 17 42

JANUARY 4
Seven Falls
iP 06 30 21 c
e 06 30 50

JANUARY 4
U.S.C.G.S.
52 1/2N, 171W
Fox Isl., Aleutians
H = 06 42 37
Resolute
e 06 52 07

JANUARY 4
U.S.C.G.S.
9 1/2N, 126E
Mindanao Isl., P.I.
H = 11 56 38
Resolute
eP 12 09 49
iP 12 09 51 c

JANUARY 4
Ottawa
iP_n 13 56 18
S_n 13 56 35
D = 150 km

JANUARY 4
Seven Falls
eP 14 15 43 d

JANUARY 5
Kirkland Lake
iP 01 07 15 c
Ottawa
eP 01 07 01 c
Seven Falls
eP 01 07 08

JANUARY 5
Resolute
e 01 50 00
e 01 55 01
e 02 05 54

JANUARY 5
Kirkland Lake
eP 02 14 04 c

JANUARY 5
Victoria
eP 02 32 06

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JANUARY 5
Kirkland Lake
e(S) 03 06 55

JANUARY 5
Resolute
eP 09 17 07
e 09 19 57
e 09 21 50
e 09 21 56

JANUARY 5
Resolute
iP 12 46 24 c

JANUARY 5
Ottawa
iP 17 14 43
Seven Falls
eP 17 15 07 c

JANUARY 5
U.S.C.G.S.
72N, 11 1/2E
Arctic Ocean
H = 20 27 04
Ottawa
eP 20 35 13
Resolute
eP 20 32 30

JANUARY 5
Ottawa
iP_n 21 53 35
i 21 53 27
S_n 21 53 52
L 21 54 00
D = 150 km

JANUARY 5
Alberni
eP 22 14 20.5
Horseshoe Bay
eP 22 14 04.8
Victoria
eP 22 14 19.7
eS 22 14 33.7

JANUARY 5
U.S.C.G.S.
Southern Kurile
aftershock
H = 22 31 37
Resolute
iP 22 41 14

JANUARY 6
U.S.C.G.S.
36 1/2N, 11W
Off coast of Portugal
H = 05 43 38
Kirkland Lake
eP 05 52 38 c?
Resolute
eP 05 53 00 d?
eL 06 11 48
Seven Falls
eP 05 51 53 c

JANUARY 6
U.S.C.G.S.
51 1/2N, 179 1/2W
Andreanof Isl.,
Aleutians
H = 06 59 17
Ottawa
eP 07 09 45
Resolute
eP 07 06 53
eS 07 12 45
eL 07 19 51
Seven Falls
eP 07 09 53
Shawinigan Falls
eP 07 09 50

JANUARY 6
Victoria
iP 11 35 32.1
i 11 35 42.3
iS 11 35 44.9

JANUARY 6
Kirkland Lake
e 12 07.2
Ottawa
e 12 06 01
e 12 06 36
i 12 07 47
i 12 08 11
e 12 08 25
i 12 09 26
e 12 10 20
Resolute
e 12 05 10
e 12 17 46
Seven Falls
e 12 07 59
e 12 09 07
e 12 09 48
e 12 10 02
Shawinigan Falls
e 12 09 00
i 12 09 35
e 12 10 04

JANUARY 6
U.S.C.G.S.
40 1/2N, 26E
Greece-Turkey border
H = 12 15 40
Kirkland Lake
eP 12 26 58
Ottawa
eP 12 26 54 d
Resolute
eP 12 25 42
iP 12 25 46 d
e 12 32 17
eS 12 33 49
eL 12 51 25

Seven Falls
iP 12 26 30 c
i 12 26 35
P_cP 12 26 57
Shawinigan Falls
eP 12 26 40

JANUARY 6
U.S.C.G.S.
Near north coast of Turkey
H = 14 53 03
Resolute
eP 15 02 55
Seven Falls
eP 15 03 54 c

JANUARY 6
U.S.C.G.S.
51N, 179 1/2W
Andreanof Isl., Aleutians
H = 17 51 32
Ottawa
eP 18 02 02 d
Resolute
eP 17 59 09
e(PPP) 18 01 13
eL 18 13 59
e 18 19 09
Seven Falls
eP 18 02 09 d

JANUARY 6
U.S.C.G.S.
39N, 142E
Near east coast of Honshu, Japan
H = 22 25 02
Ottawa
eP 22 38 07
i 22 38 13
Resolute
iP 22 35 15 c

JANUARY 6
U.S.C.G.S.
Guerrero, Mexico
H = 23 32 50
Kirkland Lake
eP 23 39 42
Ottawa
eP 23 39 34
eS 23 45 18
Resolute
eP 23 42 48
eS 23 50 47
eL 23 56 21

JANUARY 7
Shawinigan Falls
e 00 14 02 c?

JANUARY 7
Alberni
eP 04 30 16.7
eS 04 30 47.1
Horseshoe Bay
P 04 30 10.5
S 04 30 36.5
Victoria
P 04 29 59.0
S 04 30 16.3

JANUARY 7
U.S.C.G.S.
52 1/2N, 160 1/2E
Off east coast of Kamchatka
H = 09 16 53
Resolute
eP 09 25 13
e 09 28 06

JANUARY 7
U.S.C.G.S.
51N, 179 1/2W
Andreanof Isl., Aleutians
H = 10 15 59
Ottawa
eP 10 26 30
Resolute
eP 10 23 29
ePP 10 25 09
eS 10 29 46
eL 10 31 37
Seven Falls
eP 10 26 37
Shawinigan Falls
eP 10 26 35
Victoria
eP 10 22 59

JANUARY 7
U.S.C.G.S.
Andreanof aftershock
H = 10 32 15
Resolute
eP 10 40 02
e(PP) 10 42 07
e 10 47 05

JANUARY 7
U.S.C.G.S.
5S, 148E
Bismark Sea
H = 10 25 08
Ottawa
eP' 10 44 08 d
Resolute
e 10 46 23
Seven Falls
eP' 10 44 11 d

JANUARY 7
U.S.C.G.S.
Andreanof aftershock
H = 11 11 30
Resolute
eP 11 19 07
eL 11 35 33
Seven Falls
eP 11 22 08 c

JANUARY 7
U.S.C.G.S.
65 1/2N, 133 1/2W
Yukon, Canada
H = 16 41 04
Horseshoe Bay
eP 16 45 04
eS 16 49 50
Kirkland Lake
iP 16 47 39 c
i 16 54 55 c?
eL 17 00 17
Ottawa
iP 16 48 13 c
i 16 48 45
i 16 49 21
P_cP 16 50 28
eL 17 00 02
Resolute
iP 16 44 44 c
eS 16 47 33
e 16 49 04
e 16 49 20
Saskatoon
eP 16 45 27
eS 16 48 42
Seven Falls
eP 16 48 19 c
i 16 48 31
PP 16 49 47
P_cP 16 50 33
SS 16 56 32
L 16 59 37
i 17 00 42
Shawinigan Falls
iP 16 48 16
iLg 17 00 25
Victoria
P 16 45 13
S 16 50 14

JANUARY 7
Resolute
eP 17 50 39
e 17 52 27
F 18.2

JANUARY 7
Resolute
e 18 23 06
i 18 26 03
i 18 27 40
F 18.9

JANUARY 7
Resolute
eP 23 43 37
e 23 45 26
F 24.1

JANUARY 8
U.S.C.G.S.
17N, 99 1/2W
Guerrero, Mexico
H = 07 11 26
Halifax
i 07 20 42 n
e 07 28 36
e 07 33
Horseshoe Bay
eP 07 18 45
Kirkland Lake
eP 07 18 20 c
Ottawa
iP 07 18 18 c
e 07 19 26
PP 07 19 46
P_cP 07 20 55
e 07 21 56
S 07 23 50
SS 07 26 08
SSS 07 26 40
S_cS 07 28 32
Resolute
iP 07 21 19 c
eS 07 29 20
eL 07 35 17
Saskatoon
eP 07 18 26
eS 07 24.3

Seven Falls
iP 07 18 49 c
i 07 18 59
i 07 19 53
e 07 20 24
L 07 27 18
Shawinigan Falls
iP 07 18 37 c
iRg 07 26 59
Victoria
iP 07 18 39
eS 07 24 29
e 07 31.1

JANUARY 8
Ottawa
iP 07 26 41 d
Seven Falls
iP 07 27 12 d

JANUARY 8
Resolute
eP 12 55 02
e 12 56 52
e 12 59 37

JANUARY 8
Resolute
eP 14 53 09
e 14 57 43

JANUARY 8
U.S.C.G.S.
19S, 70W
Northern Chile
H = 20 54 13
Halifax
iP 21 04 46 c
eS 21 13 05
eL 21 25 43
Horseshoe Bay
eP 21 06 41
Kirkland Lake
iP 21 05 11 d
e 21 14 02

DOMINION OBSERVATORIES

Ottawa
iP 21 04 52 d
e 21 05 54
PP 21 07 12
PPP 21 08 41
iS 21 13 26
S_cS 21 14 44
e 21 19 20
eL 21 20 20
Resolute
eP 21 07 38
i 21 08 37
ePP 21 11 24
iSKS 21 18 12
iS 21 18 44
PS 21 20 01
PS 21 20 01
Saskatoon
eP 21 05 57
S 21 15 57
e 21 37.0
Seven Falls
iP 21 05 03 d
PP 21 07 25
PPP 21 08 56
iS 21 13 45
S_cS 21 14 53
SS 21 18 20
Shawinigan Falls
iP 21 04 59 d
iP_cP 21 05 39
iPP 21 07 43 d
Victoria
iP 21 06 38
S 21 16 54

JANUARY 8
U.S.C.G.S.
Northern Chile
aftershock
H = 22 58 22
Kirkland Lake
eP 23 09 17
Ottawa
iP 23 08 59 d
Resolute
e(S) 23 23 35
Seven Falls
iP 23 09 09 d
Shawinigan Falls
eP 23 09 36 d?

JANUARY 9
Resolute
eP 00 55 09
e 01 07 16

JANUARY 9
U.S.C.G.S.
Northern Chile
aftershock
H = 03 15 40
Kirkland Lake
eP 03 26 36 c
i 03 26 56 c
Ottawa
iP 03 26 17 c
Resolute
eS 03 39 49
eL 04 04 43
Seven Falls
iP 03 26 27 c
Shawinigan Falls
iP 03 26 23 c

JANUARY 9
Ottawa
e(P) 07 45 56

JANUARY 9
U.S.C.G.S.
Northern Chile
aftershock
H = 07 52 48
Kirkland Lake
eP 08 03 44
Ottawa
eP 08 03 25
Seven Falls
iP 08 03 35 c

JANUARY 9
U.S.C.G.S.
Near north coast of
Hokkaido, Japan
H = 08 01 21
Ottawa
iP 08 13 55 d
Resolute
iP 08 10 57 c

JANUARY 9
U.S.C.G.S.
23S, 179E
Fiji Isl. region
h = 650 km
H = 12 05 53
Horseshoe Bay
eP 12 17 45
Kirkland Lake
eP' 12 23 27 d?
Ottawa
eP' 12 23 31 d
PP 12 24 55
e 12 25 54
PKKP 12 34 04
i 12 34 11
sPS 12 37 34
Resolute
eP' 12 23 17
eSKS 12 29 01
eS 12 31 11
e 12 31 48
eSP 12 32 31
e(PS) 12 34 22
e(sSP) 12 36 36
Seven Falls
eP' 12 23 35 d
i 12 23 39
PP 12 25 02
i 12 25 59
i 12 26 16
PKKP 12 33 50
i 12 33 54
Shawinigan Falls
eP' 12 22 35
iP' 12 22 37 c
pP' 12 26 16
i 12 34 01

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Victoria
eP 12 17 42

JANUARY 9
Resolute
iP 13 21 39 d
e 13 37 48
e 13 42 17
e 13 49 08

JANUARY 9
Shawinigan Falls
i 13 46 37 d
Small local
earthquake?

JANUARY 9
U.S.C.G.S.
16N, 92W
Chiapas, Mexico
h = 200 km
H = 17 01 23
Kirkland Lake
iP 17 07 50 d
e(pP) 17 08 30
Ottawa
iP 17 07 42 d
epP 17 08 20
sP 17 08 43
PP 17 08 55
Seven Falls
e 17 08 59
e(PP) 17 09 38
Shawinigan Falls
eP 17 07 57
iPP 17 08 47

JANUARY 10
U.S.C.G.S.
25S, 176W
Tonga Isl. region
H = 08 52 36

Halifax
eSKS 09 18 42
e(S) 09 21 28
iPS 09 23 20
iSS 09 30 34
eL 09 50 04
Ottawa
e 09 12 09
SKS 09 18 20
e 09 18 48
SKKS 09 19 30
S 09 20 06
PS 09 22 02
SS 09 28 04
SSS 09 32 06
G 09 39 20
Resolute
eP' 09 11 19
iP' 09 11 58
e(S) 09 20 02
e(PPS) 09 22 25
Saskatoon
eS 09 17 56
SS 09 24 18
SSS 09 27 49
Seven Falls
eSKS 09 18 39
SKKS 09 19 42
PS 09 22 28
SS 09 28 09
Victoria
eP 09 05 44
eS 09 16 10
eL 09 28 41

JANUARY 10
Ottawa
iP_1 12 08 27.0
S_1 12 08 31.5
D = 33 km
H = 12 08 21
Seven Falls
eP_n 12 09 14
eP_1 12 09 22
e 12 09 57
e 12 10 04
iS_1 12 10 06
D = 370 km
H = 12 08 23
Shawinigan Falls
eP 12 08 55

JANUARY 10
U.S.C.G.S.
43 1/2N, 127W
Off coast of Oregon
H = 12 32 15
Alberni
iP 12 33 46.9
iS 12 34 54.6
Horseshoe Bay
iP 12 33 52.7
iS 12 35 04.2
Ottawa
iP 12 39 20
iPP 12 40 46
Resolute
eP 12 39 05 c
eL 12 48 42
Seven Falls
eP 12 39 32
PP 12 41 02
Victoria
iP 12 33 49.7
eS 12 34 53.5

JANUARY 10
Kirkland Lake
e(P) 15 36 25
Ottawa
eP 15 36 08
Resolute
eP 15 39 30
e 15 39 38
e 15 57 00

JANUARY 10
Ottawa
iP_n 17 57 07
eS_n 17 57 38
eL 17 58 01
D = 325 km

DOMINION OBSERVATORIES

Seven Falls
iP$_n$ 17 57 09.5
eS$_n$ 17 57 42.0
i 17 57 43.5
D = 340 km

JANUARY 11
U.S.C.G.S.
7 1/2N, 94E
Nicobar Islands
H = 06 10 03
Kirkland Lake
eP' 06 29 13
Ottawa
eP' 06 29 19
Resolute
eP 06 23 41
ePP 06 27 45
eS 06 34 22
e(PS) 06 36 05
Seven Falls
eP' 06 29 09

JANUARY 11
U.S.C.G.S.
33N, 139E
Off south coast of
Honshu, Japan
h = 200 km
H = 06 38 05
Resolute
eP 06 49 40
e 07 01 27
e 07 05 49
eL 07 11 54

JANUARY 11
U.S.C.G.S.
Nicobar Isl.
aftershock
H = 07 10 49
Resolute
eP 07 24 33
e 07 33 42

JANUARY 11
U.S.C.G.S.
Kermadec Isl. region
H = 10 45 30
Resolute
eL 11 46 25

JANUARY 11
U.S.C.G.S.
Solomon Isl.
h = 100 km
H = 11 54 59
e? 12 11 40
e(SSS) 12 31 29

JANUARY 11
U.S.C.G.S.
Chile-Mendoza prov.,
Argentina
H = 12 43 10
Seven Falls
iP 12 55 27 c

JANUARY 11
U.S.C.G.S.
8 1/2S, 157 1/2E
Solomon Isl.
H = 21 11 04
Resolute
ePP 21 30 18

JANUARY 12
Resolute
e 00 51 38
e 01 08 31

JANUARY 12
U.S.C.G.S.
19S, 70W
Northern Chile
H = 04 38 00
Kirkland Lake
eP 04 49 00 c?
Ottawa
eP 04 48 40
Resolute
eL 05 31 40
Seven Falls
iP 04 48 50 c
i 04 49 00
Shawinigan Falls
iP 04 48 46

JANUARY 12
U.S.C.G.S.
47 1/2N, 20E
Northern Hungary
H = 05 46 05
Kirkland Lake
eP 05 56 34 c
Ottawa
eP 05 56 28 d
Resolute
iP 05 55 13 c
e(PPP) 05 58 27
eL 06 08 57
Seven Falls
eP 05 56 02
Shawinigan Falls
eP 05 56 13

JANUARY 12
U.S.C.G.S.
5N, 75 1/2W
Western Colombia
h = 200 km
H = 07 45 27
Kirkland Lake
e(P) 07 53 14
e(pP) 07 53 52
Ottawa
iP 07 52 52 d
epP 07 53 30
Resolute
e(pP) 07 57 07
e 08 21 29
Seven Falls
iP 07 53 02 d
epP 07 53 46

SEISMOLOGICAL BULLETIN - 1956

JANUARY 13
U.S.C.G.S.
57 1/2N, 163E
Near east coast of
Kamchatka
H = 03 27 13
Horseshoe Bay
eP 03.35 16
Kirkland Lake
eP 03 38 05 d?
Ottawa
iP 03 38 03 d
Resolute
eP 03 34 38
Seven Falls
eP 03 38 05
Shawinigan Falls
eP 03 38 32
Victoria
eP 03 35 16

JANUARY 13
U.S.C.G.S.
Kamchatka aftershock
H = 03 27 43
Ottawa
iP 03 38 32
Resolute
iP 03 35 12 d
ePP 03 36 45
eS 03 41 05
Seven Falls
eP 03 38 34

JANUARY 13
U.S.C.G.S.
29S, 167 1/2E
Norfolk Isl. region
H = 06 16 14
Kirkland Lake
e 06 35 26
Ottawa
iP' 06 35 23 d
Resolute
eP' 06 35 08
e 06 51 46
eSS 06 53 03
eL 07 15

JANUARY 13
Kirkland Lake
eP 15 15 45
Seven Falls
eP 15 15 36 d
e 15 16 31

JANUARY 13
Horseshoe Bay
eP 19 15 54.0
Probably a blast

JANUARY 13
Horseshoe Bay
eP 19 45 34.2

JANUARY 13
Kirkland Lake
e(P) 23 34 25
Seven Falls
eP 23 34 18
i 23 34 38
i 23 34 45

JANUARY 14
U.S.C.G.S.
51 1/2N, 173W
Fox Islands,
Aleutians
H = 14 08 41
Halifax
iP 14 19 36 d
eS 14 28 26
eL 14 36
Horseshoe Bay
eP 14 15 14
Kirkland Lake
eP 14 18 25 d?
Ottawa
eP 14 18 52 c
ePP 14 21 02
eS 14 27 04
S$_c$S 14 28 40
Resolute
eP 14 16 03 d
iPP 14 18 19
eS 14 21 36
e 14 22 10
eL 14 24 29
Saskatoon
eP 14 16 20
eS 12 22 27
Seven Falls
eP 14 19 01
e(pP) 14 19 24
PP 14 21 08
Shawinigan Falls
iP 14 18 57 d
i 14 19 09 d
iPP 14 20 49 d
Victoria
iP 14 15 11
eS 14 20 18

JANUARY 14
U.S.C.G.S.
43N, 145E
Near east coast of
Hokkaido, Japan
H = 14 24 40
Kirkland Lake
eP 14 36 57
Ottawa
iP 14 37 18 d
Resolute
iP 14 34 24 c
e 14 41 05
Seven Falls
eP 14 37 20
Shawinigan Falls
eP 14 37 17 d?
e 14 37 28

JANUARY 14
U.S.C.G.S.
8N, 38 1/2W
Mid-Atlantic Ocean
H = 18 32 54
Kirkland Lake
eP 18 42 16

DOMINION OBSERVATORIES

Ottawa
eP 18 41 48
Resolute
eP 18 44 34 c
eL 19 07 20
Seven Falls
eP 18 41 37 d
Shawinigan Falls
iP 18 41 40 c

JANUARY 14
Horseshoe Bay
eP_1 22 34 32.0
eS_1 22 34 34.5

JANUARY 14
Ottawa
iP 19 44 28 d

JANUARY 14
U.S.C.G.S.
18S, 173W
Tonga Isl. region
h = 200 km
H = 22 10 42
Resolute
eL 23 05 19

JANUARY 15
U.S.C.G.S.
About 50 miles
south of Guam
H = 01 23 10
Resolute
eP 01 35 53
eL 02 13 27

JANUARY 15
U.S.C.G.S.
25S, 176W
Tonga Isl. region
H = 10 16 45
Resolute
e(PPS) 10 46 36

JANUARY 15
Ottawa
iP 18 31 32 c
i 18 32 09

JANUARY 15
Ottawa
iP 18 56 11 c

JANUARY 15
U.S.C.G.S.
Tonga Isl.
H = 18 42 03
Resolute
e(SKS) 19 07 17
eL 19 44 49

JANUARY 15
U.S.C.G.S.
44N, 147 1/2E
Kurile Isl.
H = 21 04 20
Ottawa
iP 21 16 49 d
Resolute
iP 21 13 53 c

JANUARY 16
U.S.C.G.S.
5S, 153E
New Ireland region
h = 150 km
H = 02 00 17
Resolute
e(SP) 02 27 03
Ottawa
eP' 02 19 02 c

JANUARY 16
Ottawa
iP_n 16 59 32
i 16 59 34
S_n 16 59 49
eL 16 59 47
D = 150 km

JANUARY 16
U.S.C.G.S.
1/2S, 80 1/2W
Near coast of Ecuador
H = 23 37 37
Halifax
iP 23 46 11 c
eP_cP 23 47 48
ePPP 23 48 53
iS 23 53 11
iSS 23 56 05
Horseshoe Bay
eP 23 48 05
Kirkland Lake
eP 23 46 23 c
i 23 46 26 c
i 23 48 03 c
Ottawa
iP 23 46 02 d
i 23 46 09
sP 23 46 50
P_cP 23 47 40
PP 23 48 02
e 23 48 20
PPP 23 48 32
S 23 52 47
PS 23 53 04
iSS 23 56 00
eL 23 59 13
Resolute
eP 23 49 23
i 23 49 27 c
ePP 23 52 24
eS 23 59 03
eL 24 16 47
Saskatoon
eP 23 47 30
eS 23 55 24
Seven Falls
eP 23 46 21 d
i 23 46 27
sP 23 47 05
P_cP 23 48 08
PP 23 48 19
PPP 23 48 54
S 23 53 23
S_cS 23 56 14

SEISMOLOGICAL BULLETIN - 1956

Shawinigan Falls
eP 23 46 17
iP 23 46 19 d
$ePcP$ 23 47 57
iPP 23 48 12
Victoria
iP 23 48 03
eS 23 56 22

JANUARY 17
U.S.C.G.S.
Pacific ocean, 1,000
miles southwest of
Galapagos Isl.
H = 08 00 45
Halifax
eL 08 26.3
Kirkland Lake
e(P) 08 10 39
Ottawa
eP 08 10 36
eS 08 18 25
Resolute
eP 08 12 55
eS 08 22 55
e(SS) 08 27 46
eL 08 32 28
Shawinigan Falls
iP 08 18 36 c
i 08 19 01

JANUARY 17
U.S.C.G.S.
Solomon Isl. region
H = 19 00 08
Resolute
eL 19 59 57

JANUARY 18
U.S.C.G.S.
Mendoza Prov.,
Argentina
H = 05 45 06
Kirkland Lake
iP 05 57 22 d
i!P 05 57 22.5 c
Seven Falls
iP 05 57 14 c

JANUARY 18
U.S.C.G.S.
24S, 70W
Northern Chile
H = 08 07 17
Halifax
eP 08 18 26
e 08 35.4
Kirkland Lake
iP 08 18 46 c
Ottawa
iP 08 18 29 c
P_cP 08 18 46
e 08 20 12
eS 08 27 38
Resolute
eP 08 21 05
ePP 08 25 15
e 08 30 07
eS 08 32 41
eSS 08 39 16
eL 09 00 50
Seven Falls
iP 08 18 38 c
P_cP 08 18 50
e 08 20 25
eS 08 28 01

JANUARY 19
Horseshoe Bay
iP 00 25 03.4
iS 00 25 23.2
Local shock

JANUARY 19
Kirkland Lake
e 03 20 12
Strong local
disturbance

JANUARY 19
Resolute
e 05 30 31

JANUARY 19
U.S.C.G.S.
29N, 139E
South of Honshu,
Japan
h = 500 km
H = 08 38 52
Resolute
eP 08 49 22 c

JANUARY 19
Alberni
iP 18 20 08.3
eS 18 20 17.8
Horseshoe Bay
iP 18 20 05.1
iS 18 20 14.1

JANUARY 19
Halifax
i 18 29 49 d
i 18 29 57

JANUARY 19
Horseshoe Bay
iP 19 01 08.9
Probable blast

JANUARY 19
U.S.C.G.S.
30N, 81E
Nepal-Tibet border
H = 19 50 34
Resolute
eP 20 02 21 c
eL 20 38 10

JANUARY 19
Halifax
i 20 20 38 c
e 20 21 07
Probable blast

DOMINION OBSERVATORIES

JANUARY 19
Horseshoe Bay
eP 21 47 07.8
Probably blast

JANUARY 20
Alberni
iP 00 42 52.5
iS 00 43 00.9

JANUARY 20
U.S.C.G.S.
47N, 154E
Kurile Isl.
H = 04 33 30
Resolute
eP 04 42 26
e 04 46 18

JANUARY 20
U.S.C.G.S.
52 1/2N, 170W
Fox. Isl., Aleutians
H = 05 03 10
Resolute
eP 05 10 15
eL 05 22 34

JANUARY 20
Resolute
eP 20 24 00

JANUARY 20
Alberni
iP 21 43 31.4
iS 21 43 36.8
Local Shock

JANUARY 20
U.S.C.G.S.
5S, 155E
Solomon Isl.
h = 150 km
H = 23 23 40
Ottawa
eP' 23 42 20 d
Seven Falls
iP' 23 42 23 d

JANUARY 21
U.S.C.G.S.
15N, 93W
Near coast of
Guatemala
h = 150 km
H = 08 09 33
Horseshoe Bay
eP 08 17 13
Kirkland Lake
eP 08 16 05
Ottawa
iP 08 15 55 c
PP 08 17 10
Resolute
eP 08 19 30
Seven Falls
eP 08 16 23
Shawinigan Falls
eP 08 16 13
Victoria
eP 08 17 10

JANUARY 21
Alberni
iP 10 14 49.5
eS 10 15 10.2
Horseshoe Bay
iP 10 14 44.2
eS 10 15 00.2
Victoria
iP 10 14 31.2
eS 10 14 37.0

JANUARY 21
U.S.C.G.S.
23S, 176W
Tonga Isl. region
H = 12 22 42
Ottawa
eP' 12 41 34
Resolute
eL 13 08 37
Victoria
eP 12 35 29

JANUARY 21
U.S.C.G.S.
1 1/2S, 129 1/2E
Ceram Sea
h = 700 km
H = 13 38 44
Ottawa
iPKS 13 59 04

JANUARY 21
Horseshoe Bay
eP 17 24 34.6
Probable blast

JANUARY 21
U.S.C.G.S.
23N, 94E
Burma
H = 17 35 34
Resolute
iP 17 47 57 c

JANUARY 21
U.S.C.G.S.
21S, 67 1/2W
Southern Bolivia
h = 100 km
H = 17 54 15
Kirkland Lake
eP 18 05 20 d?
epP 18 05 50 c?
Ottawa
eP 18 05 01
epP 18 05 31
Seven Falls
eP 18 05 10 c
e 18 05 22
pP 18 05 39
Shawinigan Falls
eP 18 05 09
epP 18 05 37

JANUARY 21
U.S.C.G.S.
Ecuador aftershock
H = 18 47 33
Ottawa
eP 18 56 02
Resolute
eP 18 59 22
eL 19 16 35
Seven Falls
eP 18 56 19

SEISMOLOGICAL BULLETIN - 1956

JANUARY 22
Alberni
eP 00 42 58.0
eS 00 43 11.8
Horseshoe Bay
eP 00 42 41.7
Victoria
eP 00 42 56.8
eS 00 43 10.7

JANUARY 22
U.S.C.G.S.
Kodiak Isl. foreshock
H = 00 50 46
Resolute
eP 00 56 37
Seven Falls
eP 00 59 33 c

JANUARY 22
U.S.C.G.S.
Kodiak Isl. foreshock
H = 00 57 50
Resolute
eP 01 03 43
e 01 05 06

JANUARY 23
U.S.C.G.S.
58N, 154 1/2W
Kodiak Isl., Aleutians
H = 00 46 35
Kirkland Lake
eP 00 54 38
Ottawa
eP 00 55 11
Resolute
eP 00 52 23
eS 00 57 21
Seven Falls
iP 00 55 20 c
Shawinigan Falls
eP 00 55 15
e 00 55 26

JANUARY 23
U.S.C.G.S.
55 1/2N, 162E
Near east coast
of Kamchatka
h = 60 km
H = 03 47 27
Halifax
iP 03 58 51 c
e(PcP) 04 00 16
eL 04 23.6
Horseshoe Bay
eP 03 55 30
Kirkland Lake
eP 03 57 56 c?
Ottawa
iP 03 58 21 c
e 03 58 32
pP 03 58 42
PP 04 00 49
Resolute
eP 03 55 01 d?
ePP 03 56 58
eS 04 01 06
e(S_cS) 04 05 08
eL 04 07 14
Seven Falls
eP 03 58 23 c
pP 03 58 44
S 04 07 18
Shawinigan Falls
eP 03 58 25
Victoria
eP 03 55 33

JANUARY 23
U.S.C.G.S.
7N, 123 1/2E
Mindanao, P. I.
h = 650 km
H = 07 36 14
Halifax
e(P') 07 56 39
Ottawa
iP' 07 54 09 c
e 07 56 28
Resolute
eP 07 48 35 d
e 07 50 47
Seven Falls
eP' 07 54 08 c

JANUARY 24
U.S.C.G.S.
45N, 150E
Kurile Islands
H = 12 15 04
Resolute
eP 12 24 25 d?
eL 12 35 42

JANUARY 25
U.S.C.G.S.
About 300 miles off
coast of Ecuador
H = 06 29 58
Kirkland Lake
eP 06 38 33 d?
Ottawa
iP 06 38 17 d
Resolute
eP 06 41 35 c
e 06 49 21
eL 07 05 26
Seven Falls
eP 06 38 39 c

JANUARY 25
Horseshoe Bay
eP 10 56 03.0
eS 10 56 27.0
Victoria
eP 10 55 48.0
eS 10 56 02.6

JANUARY 25
U.S.C.G.S.
Tonga Isl. region
H = 10 47 53
Resolute
eL 11 49 00

JANUARY 25
Resolute
e 23 12 19

JANUARY 26
Alberni
iP 02 47 56.3
eS 02 48 06.5
Horseshoe Bay
iP 02 47 55.6
eS 02 48 04.9
Victoria
eP 02 48 02.3
eS 02 48 15.2

JANUARY 26
Resolute
e 03 56 06 c
e 04 02 11

JANUARY 26
U.S.C.G.S.
Near north coast of Mindanao, P. I.
H = 15 33 30
Resolute
eP 15 46 44 d?
eL 16 30 32

JANUARY 27
U.S.C.G.S.
37N, 24E
Aegean Sea
H = 01 13 22
Kirkland Lake
eP 01 24 47
Ottawa
iP 01 24 42 c
e 01 25 09
Resolute
eP 01 23 45
Seven Falls
iP 01 24 18 c
Shawinigan Falls
eP 01 24 16

JANUARY 27
U.S.C.G.S.
41 1/2N, 83 1/2E
Sinkiang Prov., China
H = 10 06 53
Resolute
eP 10 17 24
eL 10 35 26

JANUARY 27
Kirkland Lake
eS_1 11 07 41.5
Ottawa
$i(P_n)$ 11 05 23
i 11 07 13
i 11 07 18
e 11 07 27
Seven Falls
$e(P_n)$ 11 06 13
e 11 08 39
e 11 08 54
e 11 09 07
e 11 09 16
Shawinigan Falls
e 11 08 37

JANUARY 27
U.S.C.G.S.
26S, 176W
Tonga Isl. region
H = 13 38 45
Resolute
e 13 56 52
eP' 13 57 25
ePP 13 58 34
e(S) 14 05 59
ePS 14 07 55
eL 14 53

JANUARY 27
Ottawa
iP_n 15 40 08
iS_n 15 40 25
eL 15 40 33
D = 150 km

JANUARY 27
Kirkland Lake
e(P) 18 04 59
Resolute
eP 17 51 06 c
e 17 51 16
i 17 51 27
e 17 51 33

JANUARY 28
U.S.C.G.S.
1N, 27W
Mid-Atlantic Ocean
H = 04 52 29
Kirkland Lake
eP 05 03 13
Ottawa
eP 05 02 50
Resolute
eP 05 05 01 c
e 05 06 55
eL 05 31 07
Shawinigan Falls
iP 05 02 42

JANUARY 28
U.S.C.G.S.
4 1/2S, 151 1/2E
New Britain
h = 100 km
H = 07 42 52
Ottawa
eP' 08 01 42 d
Resolute
eP 07 56 37
e(pPP) 08 01 03
eSKS 08 07 10
ePS 08 09 47
eSS 08 15 18
Seven Falls
eP' 08 01 44 d
Shawinigan Falls
eP' 08 01 43

JANUARY 28
Shawinigan Falls
e 09 38 21

JANUARY 28
Halifax
e 11 31 08
e 11 34 31

JANUARY 28
Horseshoe Bay
iP 23 47 40.9
Probable blast

JANUARY 29
U.S.C.G.S.
Near south coast of Arabia
H = 03 29 12

JANUARY 29
U.S.C.G.S.
36N, 90W
Tennessee-Arkansas border
H = 04 44 14
Kirkland Lake
eLg 04 51 37
Ottawa
e 04 50 06
e 04 51 07
e 04 51 17
eS 04 51 32
e 04 52 35
Resolute
eL 05 19 22
e 05 32 02
Seven Falls
e 04 51 13
e 04 51 51
e 04 52 02
e 04 52 30
eS 04 53 14
i 04 53 30
Shawinigan Falls
eS 04 51.1
eLg 04 52 51

JANUARY 29
U.S.C.G.S.
Off southeast coast of Kamchatka
H = 16 32 53
Resolute
eP 16 41 17
iL 16 53 26

JANUARY 29
U.S.C.G.S.
21N, 121E
South of Formosa
H = 22 20 53
Resolute
eP 22 33 15 c
iP 22 33 16 c
ePP 22 36 34
eS 22 43 25
eL 23 03 30

JANUARY 30
U.S.C.G.S.
38 1/2S, 177 1/2E
Near north coast of New Zealand
H = 08 43 01
Halifax
eL 09 23.8
Kirkland Lake
eP' 09 01 59
Ottawa
eP' 09 02 04 d
epP' 09 02 29
e 09 02 34
eS 09 21 15
Resolute
e 09 01 00
e(SKS) 09 10 00
eL 09 43 39
Seven Falls
eP' 09 02 13
Shawinigan Falls
iP' 09 02 08 c

JANUARY 30
Kirkland Lake
$e(S_1)$ 09 46 21
Ottawa
iP_n 09 44 14.5
e 09 44 38.5
e 09 44 51.5
iS_1 09 44 59.5
D = 320 km
Seven Falls
iP_n 09 43 18
i 09 43 21
Trace lost in large amplitude
Shawinigan Falls
iP_n 09 43 36
This local was felt at Quebec City.

JANUARY 30
U.S.C.G.S.
New Zealand aftershock
H = 10 01 49
Kirkland Lake
eP' 10 20 50
Ottawa
eP' 10 20 54 d

JANUARY 30
Horseshoe Bay
eP 19 01 02.5
Possible blast

JANUARY 30
U.S.C.G.S.
About 400 miles south of Fiji Isl.
h = 500 km
H = 19 09 12
Resolute
eP 19 22 42

DOMINION OBSERVATORIES

Seven Falls
eP' 19 27 12 c

JANUARY 31
U.S.C.G.S.
Volcano Isl. region
H = 05 24 14
Resolute
eP 05 36 03
eL 06 05 58

JANUARY 31
U.S.C.G.S.
4S, 152E
New Ireland
h= 400 km
H = 09 17 11
Horseshoe Bay
eP 09 29 28
Kirkland Lake
eP' 09 35 14 d
Ottawa
iP' 09 35 22 d
SS 09 53 08
Resolute
iP 09 30 13 d
e 09 32 09
ePP 09 34 16
eSKS 09 40 11
eSP 09 42 44
eSS 09 48 06
Seven Falls
iP' 09 35 26 d
e 09 36 55
i 09 38 30
Shawinigan Falls
iP' 09 35 23
iPP 09 36 55
Victoria
iP 09 29 27
eS 09 39 44

JANUARY 31
Horseshoe Bay
iP 21 06 54.2
Probable blast

FEBRUARY 1
U.S.C.G.S.
20S, 169E
Loyalty Island
H = 01 32 55
Horseshoe Bay
eP 01 46 06
i 01 46 09
Ottawa
eP' 01 51 49 c
i 01 51 53
Resolute
eP' 01 51 31
ePP 01 52 26
ePS 02 01 10
ePPS 02 02 28
eSS 02 07 31
eL 02 22 06
Seven Falls
eP' 01 51 55
i 01 51 59
Shawinigan Falls
iP' 01 51 56 c
Victoria
eP 01 46 02

FEBRUARY 1
U.S.C.G.S.
19N, 145 1/2E
Marianas Isl.
h = 350 km
H = 13 41 44
Halifax
iP' 13 59 37 c
iSS 14 15 26
Horseshoe Bay
eP 13 53 07
Kirkland Lake
e(P') 13 59 07
e 13 59 22 d
i 13 59 26 c
e(PKKP) 14 11 06
Ottawa
eP' 13 59 19
e 13 59 44
e 14 00 27
e 14 01 44
SKS 14 05 20
SKKS 14 06 12
S 14 06 40
PS 14 08 08
e 14 08 30
PPS 14 09 24
SS 14 14 24
sSS 14 16 50
eL 14 25.2
Resolute
iP 13 53 17 d
epP 13 54 40
e 13 55 19
eS 14 02 47
eSS 14 07 57
e 14 22 55
Seven Falls
eP' 13 59 32
i 13 59 57
SKKS 14 06 19
e 14 08 07
PPS 14 10 30
SS 14 14 34
eL 14 25 25
Victoria
iP 13 53 05
ipP 13 54 36
eS 14 02 24

FEBRUARY 1
Shawinigan Falls
e 14 50.6
i 14 59 30
Possible local

FEBRUARY 1
U.S.C.G.S.
39 1/2N, 16E
Near west coast of
Italy
h = 200 km
H = 15 10 46
Horseshoe Bay
eP 15 23 00
Kirkland Lake
eP 15 21 10 d
Ottawa
iP 15 21 03 d
P_cP 15 21 36

Resolute
iP 15 20 18 d
e(PP) 15 22 18
Seven Falls
iP 15 20 37 d
i 15 20 55
P_cP 15 21 19
i 15 21 29
Shawinigan Falls
iP 15 20 46 d
iP_cP 15 21 26
Victoria
iP 15 23 05

FEBRUARY 1
U.S.C.G.S.
Northern Chile
H = 16 25 28
Kirkland Lake
eP 16 36 33 c?
Ottawa
iP 16 36 14 c
Resolute
eP 16 38 40
Seven Falls
iP 16 36 24 c
Shawinigan Falls
eP 16 36 20 d?

FEBRUARY 1
Resolute
e 17 03 42

FEBRUARY 1
Resolute
iP 17 43 38 d

FEBRUARY 1
Resolute
eP 19 51 17

FEBRUARY 1
Resolute
eP 20 16 00
e 20 52 22

FEBRUARY 2
Ottawa
eP 01 24 53
Resolute
iP 01 26 46 c

FEBRUARY 2
U.S.C.G.S.
17 1/2N, 46 1/2W
Atlantic Ocean
H = 03 21 45
Kirkland Lake
eP 03 29 30
Ottawa
eP 03 29 05
Resolute
eP 03 32 12
eS 03 40 32
eL 03 48 35
Seven Falls
eP 03 28 46
Shawinigan Falls
iP 03 28 50 c
Victoria
eP 03 32 49

FEBRUARY 2
Kirkland Lake
e(P) 04 55.3

FEBRUARY 2
U.S.C.G.S.
12N, 62W
Windward Isl.
h = 200 km
H = 10 42 37
Kirkland Lake
eP 10 49 52 c?
Ottawa
iP 10 49 20 d
P_cP 10 51 46
Resolute
iP 10 53 04 d
Seven Falls
iP 10 49 25 d
P_cP 10 51 47

Shawinigan Falls
iP 10 49 22 c

FEBRUARY 2
Resolute
e(P) 12 05 52

FEBRUARY 2
U.S.C.G.S.
16N, 98 1/2W
Guerrero, Mexico
H = 14 54 18
Kirkland Lake
eP 15 01 20 c?
Ottawa
eP 15 01 17 d
PP 15 02 45
eS 15 07 00
Resolute
iP 15 04 21 d
e(S) 15 12 59
eL 15 23 36
Seven Falls
eP 15 01 46
Shawinigan Falls
eP 15 02 36

FEBRUARY 2
U.S.C.G.S.
16N, 98 1/2W
Guerrero, Mexico
H = 16 54 32
Kirkland Lake
eP 17 01 34 c?
Ottawa
iP 17 01 30 d
PP 17 02 56
eS 17 07 10
Resolute
Initial phase lost
during changing of
record
e(PP) 17 06 48
e(PPP) 17 07 56
eL 17 22 38

Seven Falls
eP 17 02 00
Shawinigan Falls
eP 17 02 49 d?
Victoria
eP 17 02 00

FEBRUARY 2
Kirkland Lake
eP 17 19 06
Ottawa
eP 17 19 02 d

FEBRUARY 2
Kirkland Lake
eP 17 48 30
Ottawa
eP 17 48 26 d

FEBRUARY 2
Ottawa
iP_1 19 24 27.0
iS_1 19 24 35.5
D = 70 km
Seven Falls
eP_n 19 25 09.0
eS_n 19 25 40.5
i 19 25 49.0
i 19 25 51.5
Shawinigan Falls
eP_n 19 24 50

FEBRUARY 2
Resolute
e 19 35 59
e 19 48 09
Seven Falls
eP 19 34 05

FEBRUARY 3
U.S.C.G.S.
Eastern Iraq
H = 13 16 02

Halifax
iP 13 28 14 c
Resolute
eP 13 27 13
eS 13 36 31
eL 13 46 13
Seven Falls
eP 13 28 27
e 13 30 55

FEBRUARY 3
Resolute
e 14 49 59

FEBRUARY 4
U.S.C.G.S.
0, 81W
Near coast of
Ecuador
H = 02 55 02
Seven Falls
eP 03 03 43

FEBRUARY 5
Horseshoe Bay
eP 02 32 45.7
Victoria
eP 02 32 44.5

FEBRUARY 5
U.S.C.G.S.
3N, 128 1/2E
Halmahera region
H = 04 50 42
Resolute
eP 05 04 08

FEBRUARY 5
Resolute
e 15 26 57
e 15 27 52

FEBRUARY 5
Horseshoe Bay
iP 18 44 07.5
eS 18 44 12.0
Probable blast

FEBRUARY 5
U.S.C.G.S.
3 1/2N, 128E
Molucca Passage
H = 20 35 55
Ottawa
iP' 20 55 04 c
Resolute
iP 20 49 33 d
eSS 21 07 54
eL 21 30 09
Seven Falls
eP' 20 55 04 d
Shawinigan Falls
iP' 20 55 02 d

FEBRUARY 6
Alberni
iP 11 36 18.5
eS 11 36 37.7
Horseshoe Bay
iP 11 36 21.7
eS 11 36 43.9
Victoria
iP 11 36 10.0
eS 11 36 19.6

FEBRUARY 6
Ottawa
iP 17 14 29 d
Seven Falls
eP 17 14 54 d
Shawinigan Falls
iP 17 14 44 d

FEBRUARY 7
Alberni
eP 06 50 36.7

Horseshoe Bay
eP 06 50 50.8
Victoria
eP 06 50 54.4

FEBRUARY 7
U.S.C.G.S.
Queen Charlotte Isl.
H = 16 59 25
Horseshoe Bay
eP 17 00 50.3
Resolute
e 17 14 26
Seven Falls
eP 17 06 47
Victoria
eP 17 00 52.0

FEBRUARY 9
U.S.C.G.S.
48 1/2N, 122 1/2W
Northwestern
Washington
Felt generally in
Victoria and on
mainland
H = 00 57 12
Alberni
iP 00 57 42.8
iS 00 58 05.5
Horseshoe Bay
iP 00 57 32.6
iS 00 57 46.6
Resolute
e 01 04 53
eL 01 12 07
Victoria
iP 00 57 25

FEBRUARY 9
Aftershock of above
Alberni
iP 01 01 49.5
iS 01 02 13.2
Horseshoe Bay
iP 01 01 39.3
iS 01 01 53.8

Victoria
iP 01 01 30.4
iS 01 01 38.7

FEBRUARY 9
Aftershock of above
Alberni
iP 01 19 28.1
iS 01 19 49.5
Horseshoe Bay
iP 01 19 17.3
iS 01 19 32.1
Victoria
iP 01 19 09.2
iS 01 19 17.5

FEBRUARY 9
Felt aftershock of
above
Alberni
iP 01 29 07.6
iS 01 29 29.7
Horseshoe Bay
iP 01 28 57.0
iS 01 29 11.9
Victoria
iP 01 28 49.6

FEBRUARY 9
Aftershock of above
Alberni
iP 01 30 59.2
iS 01 31 21.7
Horseshoe Bay
iP 01 30 48.6
iS 01 31 02.8

FEBRUARY 9
Aftershock of above
Alberni
iP 01 36 43.3
iS 01 37 06.7
Horseshoe Bay
iP 01 36 33.0
iS 01 36 47.7

Victoria
iP 01 36 25.3
iS 01 36 34.1

FEBRUARY 9
Aftershock of above
Alberni
Trace only
Horseshoe Bay
iP 01 39 16.1
iS 01 39 31.2
Victoria
iP 01 39 08.7
iS 01 39 17.3

FEBRUARY 9
U.S.C.G.S.
5 1/2N, 83W
South of Panama
H = 07 32 18
Kirkland Lake
eP 07 40 16
Ottawa
iP 07 39 59 d
Resolute
eP 07 43 28
Seven Falls
iP 07 40 20 d

FEBRUARY 9
U.S.C.G.S.
Queen Charlotte Isl.
H = 08 31 20
Horseshoe Bay
eP 08 33 01.2
Resolute
e 08 44 21
e 08 45 52
Victoria
eP 08 32 49.0
e 08 34 08.8

FEBRUARY 9
U.S.C.G.S.
31.5N, 116.0W
Lower California
H = 14 32 40
Halifax
iP 14 40 37 d
iL 14 55 03 c
Horseshoe Bay
eP 14 36 59
Kirkland Lake
e(P) 14 39 03 c
iP 14 39 07 c
iS 14 44 22
i 14 44 42
Ottawa
eP 14 39 24 c
e 14 40 18
S 14 44 54
S_cS 14 49 40
e 14 50 24
i 14 50 54
Resolute
iP 14 40 50 d
ePP 14 42 38
eS 14 47 23
eL 14 50 48
Saskatoon
eP 14 37 34
eS 14 41 34
e 14 43.0
Seven Falls
iP 14 39 55 c
i 14 40 44
e 14 41 15
P_cP 14 42 15
e 14 45 11
eS 14 45 42
SS 14 48 32
SSS 14 49 29
S_cS 14 50 25
e 14 52 12
Shawinigan Falls
iP 14 39 44 d
iLg 14 51 34
i 14 53 18
Victoria
iP 14 36 51
eS 14 39 24
e 14 42 05

FEBRUARY 9
U.S.C.G.S.
Lower California
aftershock
H = 15 24 26
Halifax
iP 15 32 26 c
Horseshoe Bay
iP 15 28 49
Ottawa
eP 15 31 12 c
Resolute
eP 15 32 37
eL 15 47 21
Seven Falls
eP 15 31 42 c
i 15 31 45
Shawinigan Falls
eP 15 31 30
i 15 31 32 d
eLg 15 48 23
Victoria
iP 15 28 37

FEBRUARY 9
U.S.C.G.S.
Lower California
aftershock
H = 16 29 53
Halifax
eP 16 37 58 c
Kirkland Lake
eP 16 36.3
Ottawa
eP 16 36 40
Resolute
eP 16 38 11
Seven Falls
eP 16 37 11
Victoria
eP 16 34 07

FEBRUARY 9
U.S.C.G.S.
Lower California
H = 16 59 54

Ottawa
eP 17 06 41
Seven Falls
eP 17 07 11 c
Victoria
iP 17 04 07

FEBRUARY 9
Horseshoe Bay
iP 18 15 26.8
iS 18 15 29.3

FEBRUARY 9
U.S.C.G.S.
Lower California
aftershock
H = 18 48 45
Kirkland Lake
eP 18 55 10
Ottawa
eP 18 55 30 c
Resolute
eP 18 56 56
ePP 18 58 38
eS 19 05 38
eL 19 12.0
Seven Falls
iP 18 56 00 c
Shawinigan Falls
iP 18 55 49 c
Victoria
iP 18 52 55.0

FEBRUARY 9
Ottawa
eP_n 20 45 26
eS_n 20 45 43
eL 20 45 51
D = 150 km

FEBRUARY 9
U.S.C.G.S.
36 1/2N, 139E
Central Honshu,
Japan
H = 21 55 33

Resolute
eP 22 06 06

FEBRUARY 9
Ottawa
eP 23 27 58

FEBRUARY 9
Horseshoe Bay
iP 23 37 01.7
iS 23 37 04.2
Probable blast

FEBRUARY 9
U.S.C.G.S.
About 150 miles off
coast of Guerrero,
Mexico
H = 23 51 20
Kirkland Lake
eP 23 58 28 c?
Ottawa
eP 23 58 25 c
Resolute
eP 24 01 28
Seven Falls
eP 23 58 56

FEBRUARY 10
U.S.C.G.S.
37N, 142E
Off coast of Honshu,
Japan
h = 60 km
H = 00 02 40
Kirkland Lake
eP 00 15 02
Ottawa
eP 00 15 44 d
Resolute
iP 00 13 01 c
eS 00 21 28
esSS 00 26 20
eL 00 36 34

Seven Falls
eP 00 15 44 d
e 00 16 03

FEBRUARY 10
U.S.C.G.S.
Lower California
aftershock
H = 00 05 27
Ottawa
eP 00 12 16

FEBRUARY 10
Horseshoe Bay
iP 00 49 00.4
eS 00 49 02.9
Probable blast

FEBRUARY 10
Kirkland Lake
e 04 15 02
Ottawa
eP 04 11 44
Seven Falls
eP 04 11 40

FEBRUARY 10
U.S.C.G.S.
Lower California
aftershock
H = 04 18 16
Resolute
eL 04 41 02

FEBRUARY 10
Resolute
e 06 21 00

FEBRUARY 10
U.S.C.G.S.
11 1/2S, 79W
Off coast of Peru
H = 12 38 35

Kirkland Lake
e 12 49 30
Ottawa
eP 12 48 22
$e(P_cP)$ 12 49 14
Resolute
eP 12 51 22
eL 13 21 30
Seven Falls
eP 12 48 39

FEBRUARY 10
U.S.C.G.S.
100 miles off coast
of Peru
H = 13 43 20
Ottawa
eP 13 53 02 d
Resolute
eP 13 56 02
e 14 04 49
eS 14 06 35
eSS 14 11 52
eL 14 22 36
Seven Falls
eP 13 53 14

FEBRUARY 10
Horseshoe Bay
iP 17 42 56.6
iS 17 42 58.9

FEBRUARY 10
U.S.C.G.S.
Lower California
aftershock
H = 18 12 53
Halifax
iP 18 20 54 c
eL 18 35 55
Horseshoe Bay
eP 18 17 17
Ottawa
eP 18 19 41 c

DOMINION OBSERVATORIES

Resolute
eP 18 19 05
e(PPP) 18 21 23
e 18 24 16
eL 18 33 27
Seven Falls
eP 18 20 12
Shawinigan Falls
iP 18 20 00 d
Victoria
iP 18 17 07

FEBRUARY 10
U.S.C.G.S.
Southeastern Luzon, P. I.
H = 18 40 07
Resolute
eP 18 53 01
ePP 18 56 45

FEBRUARY 10
Horseshoe Bay
eP 23 04 53.2
eS 23 05 09.5
Victoria
iP 23 04 49.8
iS 23 05 04.3

FEBRUARY 11
U.S.C.G.S.
Lower California aftershock
H = 02 57 42
Resolute
eL 03 20 16

FEBRUARY 11
U.S.C.G.S.
5N, 94 1/2E
Off north coast of Sumatra
H = 05 38 38

Resolute
eP 05 52 28
ePP 05 56 31
e 05 58 20
Seven Falls
eP' 05 58 03

FEBRUARY 11
Resolute
e 05 42 24

FEBRUARY 11
U.S.C.G.S.
32N, 115 1/2W
Lower California aftershock
H = 06 24 30
Ottawa
iP 06 31 17 d
Resolute
eP 06 33 00
e 06 33 40
eL 06 47 51
Seven Falls
eP 06 31 47 d
Victoria
eP 06 28 43

FEBRUARY 11
U.S.C.G.S.
5S, 13 1/2W
Atlantic Ocean
H = 06 45 38
Kirkland Lake
eP 06 57 40 c
Ottawa
iP 06 57 20 d
Resolute
eP 06 58 48

FEBRUARY 11
Ottawa
iP_n 10 30 07.5
eS_n 10 30 17.0
eL 10 30 22.0
D = 75 km

FEBRUARY 11
Resolute
e 17 14 10

FEBRUARY 11
Horseshoe Bay
iP 22 04 03.8
Probable blast

FEBRUARY 12
U.S.C.G.S.
19N, 119 1/2E
Off northwest coast of Luzon, P. I.
H = 11 49 20
Halifax
eL 12 38 30
Horseshoe Bay
eP 12 02 34
Kirkland Lake
eP' 12 07 58
Ottawa
eP' 12 08 14
i 12 08 50
PP 12 09 50
Resolute
iP 12 01 54 d
ePP 12 04 57
eS 12 12 16
Seven Falls
iP' 12 08 12 c
Victoria
iP 12 02 38
eS 12 13 47

FEBRUARY 12
U.S.C.G.S.
Luzon aftershock
H = 12 08 45
Resolute
iP 12 21 21 c

SEISMOLOGICAL BULLETIN - 1956

FEBRUARY 12
U.S.C.G.S.
Luzon aftershock
H = 12 17 33
Resolute
eP 12 30 04
e 12 34 44
e 12 39 28

FEBRUARY 12
U.S.C.G.S.
Luzon aftershock
H = 19 40 20
Resolute
iP 19 52 51 c
e 20 04 01
e 20 17 49

FEBRUARY 12
Resolute
e 21 57 18

FEBRUARY 13
Resolute
e 01 59 38
e 02 00 55

FEBRUARY 13
U.S.C.G.S.
Luzon aftershock
Resolute
e(P) 02 24 42

FEBRUARY 13
U.S.C.G.S.
Luzon aftershock
H = 03 44 45
Resolute
iP 03 57 17 c
eS 04 07 06
eSS 04 13 10
eL_q 04 30 40
eL_r 04 37 00

FEBRUARY 13
Resolute
iP 08 31 31 c

FEBRUARY 13
U.S.C.G.S.
Luzon aftershock
H = 14 20 48
Resolute
iP 14 33 25 c
e 14 35 22
e(PPP) 14 38 33
eS 14 43 30
eL 15 06 56

FEBRUARY 13
U.S.C.G.S.
51N, 150E
Sea of Okhotsk
h = 500 km
H = 14 29 44
Ottawa
eP 14 40 42
Resolute
eP 14 37 35
Seven Falls
eP 14 40 42

FEBRUARY 13
U.S.C.G.S.
19N, 66 1/2W
Off north coast of Puerto Rico
h = 60 km
H = 15 33 14
Halifax
iP 15 38 45 d
Kirkland Lake
eP 15 39 33 d?
T 15 45.8
Ottawa
iP 15 39 01 d
i 15 39 06
e 15 39 39
PP 15 39 50
PPP 15 40 05

Resolute
iP 15 43 04 c
eL 16 01 40
Seven Falls
iP 15 39 08 d
PP 15 39 56
PPP 15 40 11
e 15 44 33
Shawinigan Falls
iP 15 39 06 d
eS 15 44 43

FEBRUARY 13
U.S.C.G.S.
Off coast of Peru
H = 20 49 10
Ottawa
eP 20 59 02
Seven Falls
eP 20 59 18

FEBRUARY 13
U.S.C.G.S.
Luzon aftershock
H = 22 39 50
Resolute
eP 22 52 25
e 23 01 18

FEBRUARY 14
U.S.C.G.S.
35 1/2N, 139 1/2E
Near east coast of Honshu, Japan
H = 00 52 50
Kirkland Lake
e(P) 01 05 48
e 01 06 03
Ottawa
eP 01 06 20
Resolute
iP 01 03 25 d
e 01 24 40
eL 01 28 15
Seven Falls
eP 01 06 05

DOMINION OBSERVATORIES

Shawinigan Falls
eP 01 06 05

FEBRUARY 14
Horseshoe Bay
iP 01 00 53.0
i 01 00 54.9
iS 01 01 00.2

FEBRUARY 14
U.S.C.G.S.
Luzon aftershock
H = 07 38 10
Resolute
eP 07 50 51
e(PPP) 07 55 53

FEBRUARY 14
U.S.C.G.S.
Luzon aftershock
H = 08 21 03
Resolute
eP 08 33 38
eL 09 07 03

FEBRUARY 14
U.S.C.G.S.
37N, 1 1/2E
Near coast of
Algeria
H = 09 53 26
Kirkland Lake
e 10 03 20
Ottawa
iP 10 03 09 d
Resolute
eP 10 03 08
eL 10 22 52
Seven Falls
iP 10 02 41 d
Victoria
eP 10 05 45

FEBRUARY 14
U.S.C.G.S.
Luzon aftershock
H = 12 33 48
Resolute
iP 12 46 23
e 12 47 42
e(S) 12 56 31
e 12 57 35
e 13 02 40
eL 13 15 56

FEBRUARY 14
Alberni
iP 13 50 51.6
iS 13 51 14.4
Horseshoe Bay
iP 13 50 44.8
iS 13 51 00.4
Victoria
iP 13 50 33.2
iS 13 50 40.1

FEBRUARY 14
U.S.C.G.S.
Lower California
aftershock
H = 14 45 30
Resolute
eL 15 05 51

FEBRUARY 14
U.S.C.G.S.
31 1/2N, 115 1/2W
Lower California
aftershock
H = 18 33 32
Halifax
eP 18 41 36
i(S) 18 47 58
$i(S_cS)$ 18 51 08
eL 18 56 39
Horseshoe Bay
iP 18 37 59
Kirkland Lake
eP 18 40 04

FEBRUARY 14
U.S.C.G.S.
Luzon aftershock
H = 18 55 12
Resolute
eP 19 07 47

Ottawa
eP 18 40 21
i 18 40 26
sP 18 41 06
PP 18 41 41
PPP 18 42 09
P_cP 18 42 50
S 18 45 50
e 18 49 04
S_cS 18 50 28
e 18 51 12
e 18 51 20
eL 18 53.3
Resolute
iP 18 41 50 d
ePP 18 43 34
e 18 47 53
eS 18 48 26
eL 18 51 39
Saskatoon
eP 18 39 18
eS 18 42 40
Seven Falls
eP 18 40 51
i 18 40 55
e 18 42 08
iP_cP 18 43 12
S 18 46 39
e 18 47 55
SS 18 49 28
e 18 52 21
L 18 53 20
Shawinigan Falls
eP 18 40 41
iP 18 40 45 d
iPP 18 42 01 c
eLg 18 52 23
Victoria
iP 18 37 49
iS 18 41 17

SEISMOLOGICAL BULLETIN - 1956

FEBRUARY 14
U.S.C.G.S.
42 1/2N, 143E
Hokkaido, Japan
H = 21 08 36
Ottawa
eP 21 21 16
Resolute
eP 21 18 23

FEBRUARY 14
U.S.C.G.S.
52N, 180
Andreanof Isl.,
Aleutians
h = 60 km
H = 21 50 08
Resolute
eP 21 57 38
eS 22 03 37
eL 22 07 09

FEBRUARY 14
Horseshoe Bay
iP 23 07 28.0
iS 23 07 43.5
Victoria
iP 23 07 23.5
iS 23 07 38.3

FEBRUARY 15
U.S.C.G.S.
31 1/2N, 115 1/2W
Lower California
aftershock
H = 01 20 36
Halifax
iP 01 28 40 d
eS 01 35 05
eS_cS 01 38 15
iL 01 42.9
Horseshoe Bay
iP 01 25 03
Kirkland Lake
eP 01 27 04 d?
eL 01 50.9

Ottawa
iP 01 27 25 d
i 01 27 35
PP 01 28 41
PPP 01 29 19
P_cP 01 30 21
eS 01 32 53
e 01 36 11
e 01 37 00
S_cS 01 37 36
e 01 38 22
e 01 38 38
Resolute
eP 01 28 51
eS 01 35 37
eL 01 38 49
Saskatoon
eP 01 25 26
eS 01 29 40
e 01 31 13
Seven Falls
iP 01 27 55 d
i 01 27 59
i 01 28 06
PP 01 29 20
P_cP 01 30 16
S 01 33 37
S_cS 01 38 27
e 01 39 20
L 01 40 17
Shawinigan Falls
eP 01 27 42 d?
e 01 38 24
iLg 01 39 36
Victoria
iP 01 24 54
iS 01 28 19

FEBRUARY 15
U.S.C.G.S.
31N, 115 1/2W
Lower California
aftershock
H = 02 28 35
Ottawa
eP 02 35 26
Resolute
e 02 35 09

FEBRUARY 15
U.S.C.G.S.
Lower California
aftershock
H = 07 07 46
Ottawa
eP 07 14 32 d
Resolute
e 07 13 32
e 07 19 18
e 07 29 22
e 07 35 19

FEBRUARY 15
U.S.C.G.S.
Lower California
aftershock
H = 08 35 54
Ottawa
eP 08 42 42
Resolute
eL 08 59 17

FEBRUARY 15
U.S.C.G.S.
8 1/2S, 74 1/2W
Peru
h = 150 km
H = 12 50 12
Kirkland Lake
eP 12 59 42 d?
Ottawa
eP 12 59 22
Resolute
iP 13 02 29 c
Seven Falls
iP 12 59 36 d
i 13 00 09
P_cP 13 00 58

FEBRUARY 15
U.S.C.G.S.
28N, 53E
Southern Iran
H = 15 49 27

DOMINION OBSERVATORIES

Halifax
eP 16 02 15
Ottawa
eP 16 02 43 d
Resolute
eP 16 01 11
eL 16 19 52
Seven Falls
eP 16 02 25
Shawinigan Falls
eP 16 02 32 c?

FEBRUARY 15
U.S.C.G.S.
Lower California
aftershock
H = 18 54 43
Resolute
eL 19 18 24

FEBRUARY 15
Ottawa
iP_1 19 43 21.0
iS_1 19 43 23.5
D = 10 km

FEBRUARY 15
U.S.C.G.S.
13 1/2S, 111 1/2W
Pacific Ocean
H = 20 36 03
Kirkland Lake
eP 20 47 04
Ottawa
eP 20 47 01
Resolute
eP 20 48 59
eS 20 59 39
eL 21 14 28
Seven Falls
eP 20 47 21
Shawinigan Falls
eP 20 47 14

FEBRUARY 15
Horseshoe Bay
iP 23 24 32.1
iS 23 24 34.3

FEBRUARY 16
U.S.C.G.S.
22 1/2N, 143E
Mariannas Isl. region
h = 100 km
H = 00 17 53
Resolute
iP 00 29 36 c
i 00 30 01 c
e 00 38 29

FEBRUARY 16
U.S.C.G.S.
Guerrero, Mexico
H = 03 05 40
Kirkland Lake
eP 03 12 32 d?
Ottawa
eP 03 12 30 d
Resolute
eL 03 31 37

FEBRUARY 16
U.S.C.G.S.
Lower California
aftershock
H = 05 53 02
Resolute
eL 06 16 23

FEBRUARY 16
U.S.C.G.S.
Lower California
aftershock
H = 08 12 27
Resolute
eL 08 36 05

FEBRUARY 16
Ottawa
iP_1 10 29 43.0
iS_1 10 29 52.5
D = 75 km
Seven Falls
e 10 31 09

FEBRUARY 17
U.S.C.G.S.
Southern California
aftershock
H = 09 25 00
Resolute
eL 09 46 23
eL 09 48 03

FEBRUARY 17
U.S.C.G.S.
47S, 15W
South Atlantic Ocean
H = 09 53 55
Ottawa
e 10 12 37
SKS 10 18 55
S 10 20 08
PS 10 22 04
PPS 10 23 04
Resolute
eP' 10 13 07
ePP 10 15 29
e(PKS) 10 16 35

FEBRUARY 17
Resolute
iP 23 17 45 c

FEBRUARY 18
U.S.C.G.S.
10S, 79W
Near coast of Peru
H = 01 37 16
Ottawa
iP 01 46 51 d
e 01 47 05

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Resolute
eP 01 49 44
Seven Falls
iP 01 47 07 d
i 01 47 21

FEBRUARY 18
U.S.C.G.S.
30N, 137 1/2E
South of Honshu,
Japan
h = 450 km
H = 07 34 16
Halifax
eP 07 47 35
iPP 07 51 58 d
epPP 07 53 05 c
iSKS 07 57 20 e
iPS 08 00 10 c
iPKKP 08 03 29 d
Horseshoe Bay
iP 07 45 05
iS 07 53 53
Kirkland Lake
eP 07 46 55 c
epP 07 48 44 d?
iPP 07 50 51 c
eS 07 57 25
eSP 07 58 33
e 07 58 45
Ottawa
eP 07 47 12 c
i 07 47 21
epP 07 49 02
esP 07 49 45
e 07 50 35
PP 07 51 22
i 07 51 40
pPP 07 53 08
e 07 53 27
PPP 07 53 53
e 07 56 47
iSKS 07 57 02
SKKS 07 57 32
S 07 58 00
PS 07 59 23
PPS 08 00 07
sPS 08 02 40
PKKP 08 03 38
i 08 04 06
P'P' 08 11 48
SKPP' 08 14 33
G 08 15 00
Resolute
iP 07 44 46 c
epP 07 46 27
e 07 48 35
ePPP 07 49 20
eS 07 53 16
Saskatoon
eP 07 45 51
pP 07 47 34
PP 07 48 58
iS 07 55 07
Seven Falls
eP 07 47 12
pP 07 49 00
sP 07 49 50
e 07 50 50
PP 07 51 16
i 07 51 35
pPP 07 52 54
PPP 07 53 44
SKS 07 57 02
SKKS 07 57 33
PS 07 59 27
PPS 08 00 20
sPS 08 02 37
G 08 14 40
Shawinigan Falls
iP 07 47 14 d
ipP 07 49 02 d
i 07 50 29
iPP 07 51 21 c?
iSKS 07 57 01 d
iPS 07 59 23 d
Victoria
iP 07 45 07
ipP 07 46 50
S 07 53 52
G 08 04 32

FEBRUARY 18
Resolute
e 08 12 28
e 08 14 34
e 08 26 35
e 03 34 46
F 08 58

FEBRUARY 18
U.S.C.G.S.
5S, 79 1/2W
Northern Peru
H = 10 24 20
Ottawa
eP 10 33 22 c
Resolute
eP 10 36 33
Seven Falls
eP 10 33 38 d

FEBRUARY 18
U.S.C.G.S.
8 1/2S, 79 1/2W
Near coast of Peru
H = 17 48 40
Ottawa
eP 17 58 05
Resolute
eP 18 01 01
Seven Falls
eP 17 58 20

FEBRUARY 19
U.S.C.G.S.
52N, 131 1/2W
Queen Charlotte Isl.
H = 02 18 00
Alberni
iP 02 19 12.7
Halifax
e(S) 02 32 50
iS_cS 02 36 02
iL 02 40 42
Horseshoe Bay
iP 02 19 26.1
Kirkland Lake
eP 02 25 00
Ottawa
eP 02 25 09 c
PP 02 26 51
PPP 02 27 09
P_cP 02 27 32
S 02 31 00
e 02 32 40
SS 02 33 50

SSS 02 34 28
S_cS 02 35 20
e 02 36 24
i 02 37 14
Resolute
iP 02 23 48 d
e 02 27 19
eS 02 28 20
e 02 32 23
e 02 42 21
Seven Falls
eP 02 25 26 c
PP 02 27 03
P_cP 02 27 44
e 02 28 33
S 02 31 32
e 02 32 02
e 02 33 24
iSS 02 34 10
SSS 02 34 36
S_cS 02 35 51
i 02 38 10
Shawinigan Falls
eLg 02 37.6
Victoria
iP 02 19 30.6
iS 02 20 47

FEBRUARY 19
U.S.C.G.S.
Queen Charlotte Isl.
aftershock
H = 02 39 35
Alberni
iP 02 40 45.0
Horseshoe Bay
iP 02 40 58.1
Resolute
e 02 45 51
e 02 54 01
e 02 55 48
Recording confused
by main shock
Victoria
iP 02 41 04.8

FEBRUARY 19
U.S.C.G.S.
58 1/2N, 154W
Alaska Peninsula
H = 04 13 16
Halifax
iP 04 22 37 d
iL 04 41 56 e
Kirkland Lake
eP 04 21 17 c?
i 04 21 19 d
Ottawa
eP 04 21 48 c
PP 04 23 55
Resolute
eP 04 18 56
eS 04 23 48
e 04 27 32
Seven Falls
eP 04 21 57 c
Shawinigan Falls
eP 04 21 53
Victoria
iP 04 17 56
iS 04 21 51

FEBRUARY 19
Resolute
e 05 11 50
e 05 18 36

FEBRUARY 19
Ottawa
eP 12 20 32 c
Seven Falls
iP 12 20 59 d

FEBRUARY 19
Alberni
iP 21 35 48.9
iS 21 36 06.4
Horseshoe Bay
iP 21 35 33.2
iS 21 35 38.8

FEBRUARY 19
Resolute
eP 22 34 24

FEBRUARY 20
U.S.C.G.S.
Off south coast of
Kamchatka
H = 07 00 10
Resolute
eP 07 08 42

FEBRUARY 20
U.S.C.G.S.
24N, 124E
Ryukyu Islands
H = 07 57 38
Resolute
eP 08 09 40
e(SS) 08 24 14
eL 08 43 53

FEBRUARY 20
U.S.C.G.S.
Near coast of
Oaxaca, Mexico
H = 13 06 40
Ottawa
e(P) 13 13 29
Resolute
eP 13 16 48

FEBRUARY 19
U.S.C.G.S.
39 1/2N, 30 1/2E
Turkey
H = 20 31 35
Halifax
iP 20 42 24 c
e 20 43 49
iS 20 51 15 e
e 21 00.5

Kirkland Lake
iP 20 43 10 c
Ottawa
iP 20 43 07 c
i 20 43 10
e 20 43 51
i 20 45 14
PP 20 45 51
eS 20 52 36
Resolute
iP 20 41 48 c
e 20 48 42
eS 20 49 58
eL 20 55 13
Seven Falls
iP 20 42 43 c
i 20 42 55
PP 20 43 10
i 20 45 00
S 20 51 54
Shawinigan Falls
iP 20 42 52
Victoria
iP 20 44 34
eS 20 55 15

FEBRUARY 21
U.S.C.G.S.
Fiji Isl. region
H = 03 00 54
Resolute
eP 03 14 33

FEBRUARY 21
U.S.C.G.S.
22S, 179W
Fiji Isl. region
h = 650 km
H = 20 32 55
Resolute
eP' 20 50 27
Seven Falls
iP' 20 50 35 d

FEBRUARY 21
U.S.C.G.S.
73 1/2N, 8E
Arctic Ocean
foreshock
H = 22 59 24
Resolute
eP 23 04 47
eS 23 09 15
e 23 11 17
e 23 13 42
e 23 14 56

FEBRUARY 22
U.S.C.G.S.
73 1/2N, 8E
Arctic Ocean,
southwest of
Spitzbergen
H = 00 07 37
Ottawa
eP 00 15 59
Resolute
eP 00 13 02
eS 00 17 25
e 00 21 00

FEBRUARY 22
U.S.C.G.S.
54N, 163W
Near Unimak Isl.,
Alaska
H = 05 21 18
Resolute
eP 05 27 45
e 05 42 24
Victoria
iP 05 26 47

FEBRUARY 22
U.S.C.G.S.
5S, 67E
Chagos Islands
region
H = 09 59 24
Resolute
eP' 10 17 58
e 10 18 30
eL 11 04 51

FEBRUARY 22
Horseshoe Bay
iP 18 33 53.3
iS 18 33 55.7

FEBRUARY 22
Horseshoe Bay
iP 19 59 40.2
i 19 59 46.0
i 19 59 56.8

FEBRUARY 23
U.S.C.G.S.
31N, 42W
North Atlantic Ocean
H = 01 21 03
Halifax
iP 01 25 55 d,e
i 01 29 38 c
iS 01 29 54 e
eL 01 38 20
Kirkland Lake
iP 01 27 43 d
i 01 29 04 d
Ottawa
iP 01 27 12 d
i 01 27 17
pP 01 27 31
sP 01 27 43
PP 01 28 25
sPP 01 28 50
P_cP 01 30 16
Resolute
iP 01 30 05 d
e(PPP) 01 32 45
eS 01 37 20
e 01 40 11
e(SS) 01 40 53

DOMINION OBSERVATORIES

Seven Falls
eP 01 26 48 d
pP 01 27 14
sP 01 27 31
sPP 01 28 13
i 01 28 59
P_cP 01 29 38
e 01 30 15
S 01 31 43
G 01 33 12
Shawinigan Falls
iP 01 26 58 d
eS 01 31.2
Victoria
eP 01 31 25

FEBRUARY 23
Alberni
iP 06 29 58.7
iS 06 30 16.3
Horseshoe Bay
iP 06 29 43.4
iS 06 29 49.1
Victoria
iP 06 29 49.4
iS 06 29 59.4
Felt at Haney, B.C.

FEBRUARY 23
Horseshoe Bay
iP 09 35 38.1
iS 09 35 43.9
Aftershock of above local

FEBRUARY 23
Resolute
e 12 33 14
e 12 34 50
e 12 35 13

FEBRUARY 23
U.S.C.G.S.
Southern Iran
H = 17 31 30
Resolute
eP 17 42 10

FEBRUARY 23
Horseshoe Bay
iP 20 22 38.2
iS 20 22 17.6
Victoria
iP 20 22 39.9
iS 20 23 17.2

FEBRUARY 24
U.S.C.G.S.
32S, 179 1/2E
Kermadec Islands region
H = 09 19 01
Halifax
i(S) 09 41 29
e 09 58 50
e 10 22
Kirkland Lake
eP' 09 37 51
Ottawa
eP' 09 37 52
Resolute
eP' 09 37 46
e(S) 09 47 24
eL 10 17.6
Seven Falls
eP' 09 37 56
Shawinigan Falls
eP' 09 37 53

FEBRUARY 24
U.S.C.G.S.
About 150 miles east of Trinidad
H = 09 45 45
Ottawa
eP 09 53 18 c
Seven Falls
eP 09 53 22
Shawinigan Falls
eP 09 53 20 d?

FEBRUARY 24
Resolute
e 14 27 32
e 14 36 08

FEBRUARY 24
Resolute
e 21 49 45

FEBRUARY 25
Resolute
e 20 49 22
e 21 03 59
e 21 10 14
F 21.9

FEBRUARY 26
U.S.C.G.S.
39 1/2N, 140E
Northern Honshu, Japan
H = 05 15 26
Resolute
eP 05 25 39

FEBRUARY 26
Resolute
e 06 12 45

FEBRUARY 26
Resolute
e 06 44 47
e 06 55 22
e 07 06 27

FEBRUARY 27
U.S.C.G.S.
Central Kamchatka
H = 03 23 20
Resolute
eP 03 31 10

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FEBRUARY 27
Resolute
e 06 03 51

FEBRUARY 27
U.S.C.G.S.
52N, 174W
Andreanof Islands, Aleutians
h = 100 km
H = 08 37 58
Halifax
eL 09 14
Kirkland Lake
eP 08 47 34
Ottawa
eP 08 48 00
i 08 48 12
pP 08 48 21
Resolute
eP 08 45 10
e 08 47 39
eS 08 51 29
eL 08 54 37
Seven Falls
eP 08 48 07 c
e 08 48 22
pP 08 48 32
P_cP 08 48 58
Shawinigan Falls
iP 08 48 05 c?

FEBRUARY 28
U.S.C.G.S.
23S, 70W
Northern Chile
H = 11 13 20
Halifax
iP 11 24 22 d
Kirkland Lake
iP 11 24 44 c
Ottawa
iP 11 24 26 c
Resolute
eL 12 05 03
Seven Falls
iP 11 24 36 c

FEBRUARY 28
Alberni
iP 16 36 46.8
iS 16 37 01.3
Horseshoe Bay
iP 16 36 31.6
iS 16 36 34.3

FEBRUARY 28
Horseshoe Bay
iP 18 22 02.1
i 18 22 03.9
S 18 22 08.4
i 18 22 09.4

FEBRUARY 28
Alberni
iP 19 07 23.8
iS 19 07 31.1

FEBRUARY 29
U.S.C.G.S.
29 1/2N, 141E
South of Honshu, Japan
H = 06 57 52
Resolute
eP 07 09 03

FEBRUARY 29
U.S.C.G.S.
Lower California aftershock
H = 09 01 08
Resolute
eP 09 08 43

FEBRUARY 29
Alberni
iP 17 29 45.0
iS 17 29 53.6
Horseshoe Bay
iP 17 30 01.4
i 17 30 03.2
S 17 30 22.4
Victoria
iP 17 30 01.3
iS 17 30 22.1

FEBRUARY 29
U.S.C.G.S.
23 1/2N, 94 1/2E
Burma-India border
h = 60 km
H = 20 51 18
Halifax
eL 21 49
Ottawa
ePP 21 10 30
Resolute
iP 21 03 35 c
ePP 21 06 42
e 21 10 18
eS 21 13.0
eSS 21 18 52

FEBRUARY 29
U.S.C.G.S.
Burma-India aftershock
h = 60 km
H = 21 25 58
Resolute
eP 21 38 16
iP 21 38 16.5 d
ePP 21 41 26
e 21 45 03
e(S) 21 49 06
e 21 53 00

FEBRUARY 29
U.S.C.G.S.
52N, 159E
Near southeast coast of Kamchatka
H = 23 46 18
Resolute
eP 23 54 33
e(PP) 23 56 35
eS 24 00 03

DOMINION OBSERVATORIES

MARCH 1
Horseshoe Bay
iP 03 05 20.3
Victoria
iP 03 05 25.0

MARCH 1
Halifax
iP 03 29 47 c
Rockburst at
Springhill, N.S.

MARCH 1
U.S.C.G.S.
Northern Kurile Isl.
H = 06 26 40
Ottawa
iP 06 38 20 d
Resolute
eP 06 35 12
Seven Falls
iP 06 38 21 d

MARCH 1
U.S.C.G.S.
Southern Iran
H = 12 47 56
Resolute
eP 12 59 45
e 13 00 39
eL 13 19 21

MARCH 1
U.S.C.G.S.
52N, 159E
Near southeast coast
of Kamchatka
H = 14 01 56
Kirkland Lake
eP 14 13 03
Resolute
eP 14 10 17
eL 14 26 39

MARCH 1
U.S.C.G.S.
Kamchatka
aftershock
H = 14 26 44
Resolute
eP 14 34 59

MARCH 1
Halifax
iP 19 15 11 d
Rockburst at
Springhill, N.S.

MARCH 1
U.S.C.G.S.
9 1/2N, 85 1/2W
Off coast of Costa
Rica
H = 23 11 50
Kirkland Lake
eP 23 19 19
Ottawa
eP 23 19 04 d
Seven Falls
eP 23 19 25

MARCH 2
U.S.C.G.S.
63 1/2N, 149 1/2W
Alaska
H = 11 56 20
Halifax
iP 12 05 13 d
iL 12 22 35
Kirkland Lake
eP 12 03 54 c?
iP 12 03 55 d
Ottawa
eP 12 04 26 c
e(pP) 12 04 51
PP 12 06 08
eL 12 19 08
Resolute
eP 12 01 08 c
iP 12 01 10 d
e 12 03 47
eS 12 05 12
eL 12 08.1
Saskatoon
eP 12 01 45
PP 12 02 25
PPP 12 02 48
eS 12 06 17
Seven Falls
eP 12 04 32 c
(pP) 12 04 57
PP 12 06 16
eL 12 19 17
Shawinigan Falls
iP 12 04 29
eLg 12 20.1
e 12 22.6
Victoria
iP 12 01 05
i 12 01 12
PP 12 01 22
S 12 04 53
i 12 07 34

MARCH 2
U.S.C.G.S.
45 1/2N, 149 1/2E
Kurile Isl.
h = 100 km
H = 14 49 18
Kirkland Lake
eP 15 01 04 c
Ottawa
eP 15 01 25 d
Resolute
eP 14 58 26 c
iP 14 58 27 d
eL 15 16.0
Seven Falls
eP 15 01 27 c
Shawinigan Falls
eP 15 01 06 c?

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MARCH 2
Ottawa
iP_n 18 26 42
eL 18 27 07
D = 150 km

MARCH 2
Ottawa
iP_1 22 01 17
iS_1 22 01 20

MARCH 3
U.S.C.G.S.
15S, 173 1/2W
Samoa Isl. region
H = 00 05 25
Halifax
eL 01 00
Kirkland Lake
eP 00 19 32
eP' 00 23 46
Resolute
eP 00 19 23 d
ePP 00 23 24
e(S) 00 31 00
e 00 32 36
eL 00 51.0
Seven Falls
SKS 00 30 36
PS 00 33 53
PPS 00 35 20
SS 00 40 09
Victoria
eP 00 17 29
eS 00 27 19

MARCH 3
U.S.C.G.S.
23 1/2N, 94 1/2E
Burma-India border
aftershock
h = 60 km
H = 10 13 44
Resolute
eP 10 26 00 c
i 10 26 01 d
eS 10 35 51

MARCH 3
Halifax
i 18 27 00 d
e 18 33
Resolute
eP 18 28 14 d
e(S) 18 35 21
Seven Falls
e(P) 18 27 26
Shawinigan Falls
eP 18 27 39

MARCH 4
U.S.C.G.S.
83 1/2N, 112E
North Polar region
H = 03 18 10
Kirkland Lake
eP 03 26 52 c
Ottawa
eP 03 27 14 c
Resolute
eP 03 22 58 c
eS 03 26 40
e 03 35 27
Seven Falls
eP 03 27 01 d
Shawinigan Falls
eP 03 27 05

MARCH 4
U.S.C.G.S.
52 1/2N, 158 1/2E
Near southeast coast
of Kamchatka
H = 16 16 54
Resolute
eP 16 25 06 c
i 16 25 07 d
Seven Falls
eP 16 28 21 d

MARCH 4
Victoria
iP 17 22 48.5
S 17 23 02.3

MARCH 4
Resolute
eP 19 21 02

MARCH 5
U.S.C.G.S.
52N, 159 1/2E
Near southeast coast
of Kamchatka
H = 03 42 25
Resolute
eP 03 50 42 d
eL 04 06 46

MARCH 5
U.S.C.G.S.
37N, 77E
Sinkiang Prov.,
China
H = 07 12 13
Halifax
eL 08 00
Resolute
eP 07 23 24
eS 07 32 11
eL 07 50 36

MARCH 5
U.S.C.G.S.
44 1/2N, 144E
Hokkaido, Japan
H = 23 29 41
Halifax
iP 23 42 36 d
e 24 15
Kirkland Lake
eP 23 41 54 c
i 23 41 55 d
Ottawa
iP 23 42 15 d
i 23 42 20
i 23 42 34

Resolute
eP 23 39 13
iP 23 39 14 d
ePPP 23 42 42
eS 23 46 45
e(S_cS) 23 49 06
eSS 23 51 28
eL 24 02 12
Seven Falls
eP 23 42 14 d
Shawinigan Falls
iP 23 42 13 c
Victoria
eP 23 39 55

MARCH 5
U.S.C.G.S.
Sinkiang Prov., China
H = 23 42 53
Resolute
eP' 23 53 39

MARCH 6
U.S.C.G.S.
About 150 miles off south coast of Honshu, Japan
h = 150 km
H = 01 53 43
Resolute
eP 02 04 19

MARCH 6
U.S.C.G.S.
28N, 52 1/2E
Southern Iran
H = 08 55 28
Kirkland Lake
eP 09 08 48
Ottawa
eP 09 08 49
Resolute
eP 09 07 16
e 09 12 24
eS 09 17 09
e 09 31 50
eL 09 40.9
Seven Falls
eP 09 08 29 d
Shawinigan Falls
eP 09 08 34

MARCH 6
U.S.C.G.S.
Iran aftershock
H = 09 09 40
Seven Falls
eP 09 22 42 d

MARCH 6
U.S.C.G.S.
Iran aftershock
H = 20 53 12
Resolute
eP 21 05 01 c
Seven Falls
eP 21 06 12 d

MARCH 6
Ottawa
iP_1 23 38 21
iS_1 23 38 29
D = 65 km
H = 23 38 10
Seven Falls
e 23 39 17.5
i 23 39 20.0
e 23 39 55.5
e 23 40 04.5
eS_1 23 40 07.0
Shawinigan Falls
e(S_1) 23 39 22

MARCH 7
Resolute
eP 09 47 32 c?

MARCH 7
Horseshoe Bay
iP 10 26 01.3
iS 10 26 06.9
Victoria
iP 10 26 08.8
iS 10 26 18.5

MARCH 7
Resolute
e 12 50 12

MARCH 7
Resolute
e 14 55 24

MARCH 7
Resolute
e 21 41 45

MARCH 7
U.S.C.G.S.
9 1/2N, 85W
Near coast of Costa Rica
H = 21 51 48
Kirkland Lake
eP 21 58 13
Ottawa
eP 21 58 56 d
Resolute
eP 22 02 31 d
Seven Falls
eP 21 59 19
(pP) 21 59 39

MARCH 8
Alberni
P 00 43 05.2
S 00 43 19.7
Horseshoe Bay
P 00 42 50.6
Victoria
P 00 43 07.2

MARCH 8
U.S.C.G.S.
53 1/2N, 168 1/2W
Fox. Isl., Aleutians
H = 11 05 26
Kirkland Lake
eP 11 14 55
Ottawa
iP 11 15 09 c
Resolute
eP 11 14 24 d
eL 11 21 11
Seven Falls
iP 11 15 17 c
Shawinigan Falls
eP 11 15 13

MARCH 8
Alberni
P 17 32 33.7
S 17 32 51.3
Horseshoe Bay
P 17 32 24.7
S 17 32 34.6
Victoria
P 17 32 18.3
S 17 32 22.9

MARCH 9
U.S.C.G.S.
31 1/2N, 115 1/2W
Lower California aftershock
H = 04 25 00
Resolute
eL 04 48 23

MARCH 9
U.S.C.G.S.
About 100 miles off east coast of Trinidad
H = 07 48 30
Ottawa
eP 07 55 52
Seven Falls
iP 07 55 57 d
Shawinigan Falls
iP 07 55 54 c

MARCH 9
U.S.C.G.S.
Banda Sea
H = 11 37 56
Seven Falls
iP' 11 57 19 d
i 11 57 21
iPKS 12 00 38

MARCH 9
U.S.C.G.S.
Southern Iran
H = 16 44 50
Seven Falls
eP 16 57 54

MARCH 9
U.S.C.G.S.
1N, 80W
Near coast of Ecuador
H = 17 31 07
Ottawa
eP 17 39 22 c
Resolute
eP 17 42 44
eL 18 08 17
Seven Falls
eP 17 39 21 c
e 17 39 47

MARCH 10
U.S.C.G.S.
17 1/2S, 173W
Tonga Isl.
H = 03 42 10
Resolute
eL 04 29 18

MARCH 10
Resolute
e 04 35 22
e 04 38 19
e 04 39 32

MARCH 10
U.S.C.G.S.
40 1/2N, 125W
Near coast of Northern California
H = 05 56 06
Ottawa
iP 06 03 11 c
Resolute
eP 06 03 24
eL 06 11 19
Seven Falls
eP 06 03 36 d

MARCH 10
Resolute
e 09 44 24 c

MARCH 10
U.S.C.G.S.
Lower California aftershock
H = 14 12 51
Resolute
eL 14 36 24

MARCH 10
Resolute
e 15 31 27
e 15 31 58

MARCH 10
U.S.C.G.S.
5N, 126E
Near south coast of Mindanao, P. I.
H = 16 26 33
Seven Falls
eP' 16 45 40 d

DOMINION OBSERVATORIES

MARCH 10
U.S.C.G.S.
22 1/2S, 176W
Tonga Isl.
h = 200 km
H = 19 33 40
Resolute
ePˈ 19 51 27 d
ePP 19 52 28
eS 20 00 14
e 20 32 14
e 20 40 41
e 21 10 34
Victoria
eP 19 46 00

MARCH 10
U.S.C.G.S.
1/2N, 125 1/2E
Molucca Passage
H = 21 37 01
Kirkland Lake
ePˈ 21 56 09
e 21 56 14
e 21 56 31
Ottawa
ePˈ 21 56 16 d
pPˈ 21 56 39
e 21 57 42
PP 21 58 30
i 21 59 20
PKS 21 59 41
Resolute
eP 21 50 55 c
iP 21 50 56 d
ePP 21 55 06
e 21 57 52
e 22 04 21
Seven Falls
ePˈ 21 56 15 d
i 21 56 21
pP 21 56 40
PP 21 58 33
i 21 59 26
PKS 21 59 41
Shawinigan Falls
iPˈ 21 56 23
i 21 56 39 c
e 21 59 41

MARCH 11
Resolute
e 04 48 33
e 05 06 24

MARCH 12
U.S.C.G.S.
11S, 76 1/2W
Central Peru
H = 02 15 57
Resolute
eP 02 28 40 d

MARCH 12
U.S.C.G.S.
10N, 122E
Panay Isl,, P. I.
H = 11 22 51
Resolute
eP 11 36 04 d
ePP 11 40 09

MARCH 12
U.S.C.G.S.
15S, 175W
Samoa Isl. region
H = 19 50 37
Resolute
eL 20 30 18
Victoria
eP 20 02 41

MARCH 13
U.S.C.G.S.
Dominion
Republic
H = 01 40 29
Ottawa
eP 01 46 30

MARCH 13
Seven Falls
eP 02 08 56

MARCH 13
U.S.C.G.S.
36N, 142E
H = 09 26 13
Resolute
eP 09 36 46

MARCH 13
U.S.C.G.S.
7N, 82W
Off south coast of
Panama
H = 13 13 10
Kirkland Lake
iP 13 20 59 c
Ottawa
eP 13 20 38 c
i 13 20 53
pP 13 20 58
e 13 22 10
PPP 13 22 44
e 13 23 35
S 13 26 30
sS 13 27 13
G 13 29 15
Resolute
iP 13 24 14 d
eS 13 32 58
eL 13 40 33
Seven Falls
eP 13 20 57 d
pP 13 21 17
PP 13 22 39
PPP 13 23 02
S 13 27 09
sS 13 27 54
e 13 28 40
Shawinigan Falls
iP 13 20 53
iPP 13 22 32
Victoria
P 13 22 40
S 13 27 26
i 13 29 45

MARCH 13
Resolute
e 14 27 35 d
e 14 29 52
e 15 13 56

MARCH 13
U.S.C.G.S.
54N, 169E
Komandorski Isl.
H = 19 22 15
Resolute
eP 19 29 53 d
eL 19 45 23

MARCH 13
U.S.C.G.S.
4S, 153E
New Ireland
H = 23 31 50
Ottawa
ePˈ 23 50 46
Seven Falls
iPˈ 23 50 49 d

MARCH 14
U.S.C.G.S.
31 1/2N, 116W
Lower California
aftershock
H = 05 29 33
Resolute
eL 05 50 44

MARCH 14
U.S.C.G.S.
Andaman Isl.
H = 11 00 38
Resolute
eP 11 14 05 c

MARCH 14
U.S.C.G.S.
37S, 178E
Off coast of North
Isl., New Zealand
H = 15 38 38
Ottawa
iPˈ 15 57 46
Resolute
ePˈ 15 57 42 d

MARCH 14
U.S.C.G.S.
New Zealand
aftershock
H = 15 43 20
Ottawa
ePˈ 16 02 27 c
Resolute
ePˈ 16 02 30 c
e 16 12 01
e 16 27 59

MARCH 14
Ottawa
eP 16 33 00

MARCH 15
Resolute
e 04 07 29

MARCH 15
U.S.C.G.S.
7 1/2N, 82 1/2W
South of Panama
H = 15 44 55
Resolute
e 15 51 09
Seven Falls
iP 15 52 42 c

MARCH 15
U.S.C.G.S.
20S, 69 1/2W
Northern Chile
H = 20 16 30
Kirkland Lake
iP 20 27 36 c
Ottawa
iP 20 27 16 d
Seven Falls
iP 20 27 26 c
(pP) 20 27 47
Shawinigan Falls
iP 20 27 23 c
Victoria
P 20 29 02

MARCH 16
Ottawa
iP 08 59 56 c

MARCH 16
U.S.C.G.S.
42N, 141 1/2E
Hokkaido, Japan
H = 18 21 25
Resolute
iP 18 31 19 d

MARCH 16
U.S.C.G.S.
34N, 36E
Lebanon foreshock
H = 19 32 43
Resolute
eP 19 43 36 d
Seven Falls
iP 19 44 29 c
Shawinigan Falls
iP 19 44 36 c

DOMINION OBSERVATORIES

MARCH 16
U.S.C.G.S.
34N, 36E
Lebanon
H = 19 43 28
Kirkland Lake
eP 19 55 44
Ottawa
eP 19 55 42
Resolute
eP 19 54 24 c
eL 20 20 35
Seven Falls
eP 19 55 18 d
Shawinigan Falls
iP 19 55 25 c
ePP 19 58 05 c?

MARCH 17
Resolute
e 06 29 37
e 06 39 09

MARCH 17
U.S.C.G.S.
40N, 141E
Northern Honshu, Japan
h = 150 km
H = 11 42 31
Resolute
eP 11 52 21 c
i 11 52 23 d
Victoria
P 11 52 58

MARCH 17
U.S.C.G.S.
43N, 145E
Near east coast of Hokkaido, Japan
H = 15 41 18
Resolute
eP 15 50 56
iP 15 50 56.5 d

MARCH 17
U.S.C.G.S.
Northern Kurile Isl.
H = 16 40 55
Resolute
eP 16 49 31 c

MARCH 18
U.S.C.G.S.
6N, 93E
Nicobar Isl.
H = 08 17 57
Resolute
eP 08 31 39
eL 09 12 40

MARCH 19
Resolute
e 13 41 38

MARCH 19
U.S.C.G.S.
6S, 150E
New Britain
H = 17 35 57
Halifax
eP' 17 55 14
eL 18 43
Ottawa
iP' 17 55 00 d
i 17 55 12
Resolute
eP 17 50 16
eSKS 18 00 47
e 18 02 12
e 18 14 16
eL 18 26 39
Seven Falls
iP' 17 55 04 d
i 17 55 16
i 17 56 13
PP 17 56 33

Shawinigan Falls
iP' 17 55 02 d
i 17 55 14 d

MARCH 19
Resolute
e 19 37 51

MARCH 20
U.S.C.G.S.
51 1/2N, 159 1/2E
Off southeast coast of Kamchatka
H = 04 15 00
Resolute
eP 04 23 13 d
eL 04 40 03

MARCH 20
U.S.C.G.S.
5S, 152 1/2E
Near coast of New Britain
h = 60 km
H = 09 41 36
Ottawa
iP' 10 00 31 d
i 10 00 44
Resolute
e(PPP) 10 01 42
e(PS) 10 08 30
e 10 15 55
e 10 31 46
Seven Falls
iP' 10 00 35 d

MARCH 20
U.S.C.G.S.
19 1/2N, 120E
Off northwest coast of Luzon, P. I.
H = 10 23 39
Resolute
iP 10 36 10 d
eL 10 59 58

MARCH 20
U.S.C.G.S.
Southern Kurile Isl.
H = 11 26 54
Resolute
eP 11 36 28 d

MARCH 20
Resolute
i 12 46 18 d

MARCH 21
U.S.C.G.S.
41N, 48 1/2E
Azerbaijan S.S.R.
H = 04 54 46
Halifax
eP 05 06 32
Kirkland Lake
eP 05 07 03 c
Ottawa
iP 05 07 04 c
Resolute
eP 05 05 11 c
eS 05 13 45
eSS 05 17 27
eL 05 34 26
Seven Falls
eP 05 06 43 c
Shawinigan Falls
iP 05 06 52 c?

MARCH 21
U.S.C.G.S.
20N, 64 1/2W
Northeast of Puerto Rico
H = 07 43 50
Ottawa
eP 07 50 13
eS 07 55 02

MARCH 21
Ottawa
iP_n 17 12 25
iS_n 17 12 57
eL 17 13 17
D = 330 km
H = 17 11 39
Seven Falls
iP_n 17 12 29.0
e 17 12 58.0
eS_n 17 13 03.0

MARCH 21
Resolute
eP 18 08 08 d

MARCH 21
Resolute
eP 18 58 28

MARCH 21
Victoria
iP 20 51 59.2
iS 20 52 02.6

MARCH 21
Shawinigan Falls
e 21 41 54

MARCH 22
U.S.C.G.S.
3 1/2S, 79W
Ecuador
h = 100 km
H = 06 33 55
Halifax
iP 06 42 43 d
iPP 06 44 26 d
iS 06 49 49
Horseshoe Bay
eP 06 44 30

Kirkland Lake
eP 06 42 52 d
i 06 42 53.5 c
ipP 06 43 16 d
esP 06 43 29 d?
eS 06 50.0
Ottawa
iP 06 42 34 d
pP 06 42 57
sP 06 43 08
PP 06 44 22
PPP 06 45 05
S 06 49 29
S_cS 06 52 20
SSS 06 53 00
Resolute
iP 06 45 50 d
ePP 06 48 34
eS 06 55 35
eP'P' 07 12 48
Saskatoon
eP 06 43 55
pP 06 44 19
S 06 52 03
PPS 06 52 44
sS 06 52 54
Seven Falls
iP 06 42 51 d
pP 06 43 15
sP 06 43 26
PP 06 44 29
PPP 06 45 22
S 06 50 04
e 06 50 34
SS 06 53 24
SSS 06 54 54
Shawinigan Falls
e(P) 06 42 44 d
iP 06 42 45 c
i 06 43 08 d
i 06 43 19 c
Victoria
iP 06 44 30
pP 06 44 49
S 06 53 07

DOMINION OBSERVATORIES

MARCH 22
Ottawa
iP1 12 09 14.0
iS1 12 09 22.5
eL 12 09 27.0
D = 65 km
Seven Falls
e 12 11 01

MARCH 22
Resolute
e 16 04 40
e 16 24 33
e 16 40 19

MARCH 22
Resolute
e(P) 17 48 42

MARCH 23
U.S.C.G.S.
20N, 64 1/2W
Northeast of Puerto Rico
H = 04 03 08

MARCH 23
U.S.C.G.S.
5S, 151E
New Britain
H = 05 10 48
Kirkland Lake
eP' 05 29 39
Ottawa
iP' 05 29 47 d
Resolute
eP 05 24 39
e(SS) 05 43 55
Seven Falls
eP' 05 29 49 d
Shawinigan Falls
eP' 05 29 49
i 05 29 50 d

MARCH 23
U.S.C.G.S.
Southeastern Tibet
H = 05 50 08
Resolute
eP 06 01 54

MARCH 23
U.S.C.G.S.
Tonga Isl.
H = 14 56 52
Resolute
eP 15 10 53
eL 15 40 41

MARCH 23
U.S.C.G.S.
6S, 155E
Solomon Isl.
H = 20 00 44
Halifax
eP' 20 19 54
Ottawa
eP' 20 19 39 d
Seven Falls
eP' 20 19 43 d

MARCH 23
Alberni
P 20 38 35.6
Horseshoe Bay
P 20 38 47.6
S 20 39 03.7

MARCH 24
Resolute
e 09 25 21

MARCH 24
Ottawa
eP 14 39 43 d

MARCH 25
U.S.C.G.S.
Near coast of Guatemala
H = 05 44 20
Kirkland Lake
eP 05 51 19
Ottawa
eP 05 51 08 d
Resolute
eP 05 54 35 c
eL 06 12 19
Shawinigan Falls
eP 05 51 25
Victoria
eP 05 52 53

MARCH 25
Ottawa
eP 13 55 58

MARCH 25
U.S.C.G.S.
52N, 159E
Near southeast coast of Kamchatka
H = 23 27 31
Halifax
eL 24 13
Kirkland Lake
eP 23 38 33
Ottawa
iP 23 38 57 d
pP 23 39 20
Resolute
eP 23 35 46 d
eS 23 42 28
eL 23 46.0
Seven Falls
iP 23 38 59 c
Shawinigan Falls
iP 23 38 58 d?

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MARCH 26
U.S.C.G.S.
Kamchatka aftershock
H = 03 20 45
Resolute
eP 03 29 01
eL 03 46 37

MARCH 26
U.S.C.G.S.
Kamchatka aftershock
H = 03 24 35
Resolute
eP 03 32 49

MARCH 26
U.S.C.G.S.
20N, 64 1/2W
Northeast of Puerto Rico
H = 03 59 02
Ottawa
eP 04 05 25 d

MARCH 26
U.S.C.G.S.
Kamchatka aftershock
H = 03 59 25
Kirkland Lake
eP 04 10 26 d
Ottawa
eP 04 10 14 d
pP 04 10 35
Resolute
iP 04 07 41 d
eS 04 14 20
eL 04 23 25
Seven Falls
eP 04 10 53
Shawinigan Falls
eP 04 10 53

MARCH 26
U.S.C.G.S.
24 1/2S, 68W
Northern Chile-Argentina border
h = 150 km
H = 05 21 20
Kirkland Lake
iP 05 32 36 c
Ottawa
iP 05 32 18 c
Resolute
eP 05 34 53 d
ePP 05 39 00
Seven Falls
iP 05 32 26 c
Shawinigan Falls
iP 05 32 33 c

MARCH 26
U.S.C.G.S.
61 1/2N, 151W
Southern Alaska
H = 08 17 24
Kirkland Lake
eP 08 25 18
Ottawa
iP 08 25 50 d
Resolute
eP 08 22 32
eS 08 26 40
e 08 29 50
Seven Falls
iP 08 25 58 d
Shawinigan Falls
eP 08 25 54

MARCH 26
U.S.C.G.S.
Kamchatka aftershock
H = 17 02 12
Kirkland Lake
eP 17 15 05

MARCH 27
Alberni
P 08 27 00.0
S 08 27 17.2
Horseshoe Bay
P 08 26 44.2
S 08 26 49.7
Victoria
P 08 26 51.5
S 08 27 01.0
i 08 27 04.4

MARCH 27
Horseshoe Bay
P 11 03 38.4
S 11 03 44.3
Victoria
P 11 03 45.8
S 11 03 55.4
i 11 03 58.6

MARCH 27
Ottawa
eP 11 03 50
Shawinigan Falls
e 11 05 39

MARCH 27
Ottawa
eP 12 24 39

MARCH 27
Alberni
P 15 31 46.1
S 15 32 03.3
Horseshoe Bay
P 15 31 30.4
S 15 31 36.1
Victoria
P 15 31 38.0
S 15 31 47.5

DOMINION OBSERVATORIES

MARCH 27
Alberni
P 15 34 55.6
S 15 35 12.3
Horseshoe Bay
P 15 34 38.9
S 15 34 44.4
Victoria
P 15 34 47.0
S 15 34 56.4

MARCH 27
Alberni
P 15 35 25.6
S 15 35 42.8
Horseshoe Bay
P 15 35 09.4
S 15 35 15.1
Victoria
P 15 35 17.2
S 15 35 26.7

MARCH 27
Ottawa
iP_n 15 46 50
S_n 15 47 07
L 15 47 15
D = 150 km

MARCH 27
Alberni
P 18 14 58.2
S 18 15 12.9
Horseshoe Bay
P 18 14 41.6
S 18 14 49.4

MARCH 28
Horseshoe Bay
P 03 22 33.1
Victoria
P 03 (22 38)
S 03 (22 47)

MARCH 28
U.S.C.G.S.
Andreanof Isl.,
Aleutians
H = 03 21 24
Resolute
eP 03 29 21 c

MARCH 28
U.S.C.G.S.
22S, 175W
Tonga Isl.
h = 60 km
H = 08 14 05
Resolute
eL 09 11 45

MARCH 28
U.S.C.G.S.
Greece
H = 11 39 13
Ottawa
eP 11 50 14
Seven Falls
iP 11 49 48 c

MARCH 28
Ottawa
iP_1 18 43 11.5
iS_1 18 43 14.0
D = 5 km

MARCH 28
Ottawa
iP_1 20 22 29.0
S_1 20 22 38.5
L 20 22 44.5
D = 75 km

MARCH 28
U.S.C.G.S.
30N, 137E
Off south coast of
Honshu, Japan
h = 500 km
H = 22 05 18
Ottawa
e(P') 22 23 11 c
Resolute
i 22 15 45 d

MARCH 30
U.S.C.G.S.
Central Kamchatka
H = 06 11 05
Resolute
e 06 11 11
e 06 12 45
e 06 18 51
eL 06 28 34

MARCH 30
U.S.C.G.S.
Yellowstone National
Park, Wyoming
H = 07 16 10
Kirkland Lake
e 07 27.3
Resolute
e 07 31 25
e 07 32 17
e 07 34 42
e 07 44 13
e 07 59 35
e 08 11 15

MARCH 30
U.S.C.G.S.
Central Alaska
H = 17 50 45
Kirkland Lake
eP 17 58 37
Ottawa
eP 17 59 10 c
Resolute
iP 17 55 48 d
eS 18 00 27
e 18 01 01

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MARCH 30
U.S.C.G.S.
40N, 144E
Off north coast of
Honshu, Japan
H = 18 43 45
Resolute
iP 18 53 46 d

MARCH 30
U.S.C.G.S.
22S, 176W
Tonga Isl. region
H = 22 15 31
Ottawa
eP' 22 33 54
Resolute
eP' 22 34 25 d?

MARCH 31
U.S.C.G.S.
20N, 64W
Northeast of Puerto
Rico
H = 01 34 00
Halifax
eL 01 45
Kirkland Lake
e 01 41 17
Ottawa
P 01 40 28
S 01 45 03
e 01 45 17
i 01 45 58
Resolute
eL 02 02 03
Shawinigan Falls
eP 01 40 00
eL 01 45 44

MARCH 31
Horseshoe Bay
P 05 43 44.3
S 05 43 49.8
Victoria
P 05 43 49
S 05 43 59

MARCH 31
U.S.C.G.S.
3 1/2N, 78 1/2W
Near coast of
Colombia
h = 100 km
H = 08 19 30
Kirkland Lake
eP 08 27 37
Ottawa
iP 08 27 17 c
Resolute
iP 08 30 44 d
Shawinigan Falls
P 08 27 28
Victoria
P 08 29 (23)

MARCH 31
Ottawa
eP 12 01 41
Resolute
e 11 58 34
e 12 06 33

MARCH 31
Horseshoe Bay
eP 17 26 42.0

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Technical Surveys, Ottawa

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APRIL - JUNE

APRIL 1
Resolute
e 04 55 47 c

APRIL 1
U.S.C.G.S.
Near west coast of Sumatra
H = 06 37 08
Ottawa
e(PKS) 06 59 44
Resolute
eP 06 51 05 c

APRIL 1
Resolute
e 11 52 44
e 12 12 20

APRIL 1
U.S.C.G.S.
52N, 159E
Near east coast of Kamchatka
H = 12 16 33
Resolute
eP 12 24 48

APRIL 1
Kirkland Lake
eP 19 26 29
Ottawa
iP 19 26 11 c
Shawinigan Falls
eP 19 26 06

APRIL 2
U.S.C.G.S.
2N, 97E
Off coast of Sumatra
H = 10 49 56

Halifax
eP' 11 09 04
e 11 09 39
eL 11 28 44
eL 11 31 14
eL 12.0
Kirkland Lake
eP' 11 09 07
Resolute
eP 11 03 56
e 11 04 50
ePP 11 08 08
eSKS 11 14 36
eL 11 51 02
Ottawa
eP' 11 09 08
e 11 11 15
PP 11 11 35
sPP 11 11 47
PKS 11 12 35
PPP 11 13 52
Seven Falls
eP' 11 09 06
pP' 11 09 34
e 11 09 40
PP 11 11 27
PKS 11 12 27
e 11 12 45
SS 11 28 38
Shawinigan Falls
eP' 11 09 08
PP 11 11 41
PKS 11 12 30
e 11 12 45
(sPKS) 11 13 12

APRIL 2
Kirkland Lake
eP 16 12 06
Shawinigan Falls
e 16 13 46

APRIL 3
Kirkland Lake
eP 10 15 30

APRIL 3
Horseshoe Bay
iP 11 08 10.8
iS 11 08 20.5
D = 78 km

APRIL 3
Kirkland Lake
eP 12 08 33 d?
Seven Falls
eP 12 08 26 d
e 12 08 42

APRIL 3
Ottawa
iP_n 19 08 06
S_n 19 08 23
L 19 08 31
D = 150 km

APRIL 4
U.S.C.G.S.
Near west coast of south Honshu, Japan
H = 00 23 25
Resolute
eP 00 34 04

APRIL 5
U.S.C.G.S.
53N, 158E
Near east coast of Kamchatka
H = 04 02 00
Kirkland Lake
e(P) 04 12 55
Resolute
iP 04 10 07 c
eS 04 16 34
Ottawa
eP 04 13 19 c
Seven Falls
iP 04 13 22 c
Shawinigan Falls
eP 04 13 20

DOMINION OBSERVATORIES

APRIL 5
U.S.C.G.S.
51N, 179E
Rat Islands, Aleutians
H = 17 20 27
Resolute
e 17 24 44
eS 17 35 07
eL 17 42 50

APRIL 6
Alberni
iP 00 34 46.2
iS 00 35 15.8
Horseshoe Bay
iP 00 34 36.0
iS 00 34 57.4
Victoria
No minute marks
D = 122 km

APRIL 6
Kirkland Lake
eS_1 04 57 38
Ottawa
e(S) 04 58 49
Seven Falls
eP_n 04 56 43.5
e 04 57 23.0
eS_n 04 58 02
Shawinigan Falls
e 04 57 27
e 04 57 57

APRIL 6
U.S.C.G.S.
36 1/2N, 71E
Hindu Kush
H = 07 11 34
h = 200 km
Banff
eP 07 24 27

Halifax
iP 07 24 05 c
ePP 07 27 38
iSKS 07 34 40 S,W
ePS 07 36 13 E
eL 07.7
Horseshoe Bay
eP 07 24 32
Kirkland Lake
iP 07 24 22 c
epP 07 25 17 c
Resolute
iP 07 22 19 c
eS 07 31 03
e(sS) 07 32 39
eSS 07 35 46
eSSS 07 38 53
Seven Falls
iP 07 24 14 c
PP 07 27 44
SKS 07 34 25
S 07 34 49
e 07 36 07
iPS 07 36 29
SS 07 39 57
Shawinigan Falls
iP 07 24 19 c
e 07 26 08
PP 07 27 54
SKS 07 34 42

APRIL 6
Alberni
iP 19 30 25.7
iS 19 30 32.3

APRIL 6
U.S.C.G.S.
19 1/2N, 109 1/2 W
Revilla Gigedo Isl.
H = 23 58 40
Kirkland Lake
eP 24 06 02
eL 24.3

Resolute
e 24 08 19
e 24 20 00
e 24 28 06
e 24 32 02
Ottawa
eP 24 06 04
Shawinigan Falls
eP 24 06 23

APRIL 7
Halifax
iP 11 19 38 c
Ottawa
iP 11 19 26
Seven Falls
eP 11 19 29
Shawinigan Falls
iP 11 19 28

APRIL 7
U.S.C.G.S.
32S, 180
Kermadec Isl.
H = 18 00 57
h = 350 km
Kirkland Lake
eP' 18 19 08
Resolute
eP' 18 19 04 d
i 18 19 06 c
Ottawa
eP' 18 19 11
Seven Falls
eP' 18 19 19 d
Shawinigan Falls
eP' 18 19 16 d

APRIL 7
Resolute
e 19 06 35
e 19 09 04

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APRIL 8
Alberni
eP 22 28 36.0
Banff
iP 22 29 37.0
i 22 29 40.5
Horseshoe Bay
iP 22 28 30.2
iS 22 28 43.2
Victoria
Time marks missing
D = 24 km
Felt from Victoria to Duncan

APRIL 9
Kirkland Lake
eP 16 22 20
Shawinigan Falls
eP 16 22 28

APRIL 10
U.S.C.G.S.
3S, 102E
Near south coast of Sumatra
H = 13 16 04
h = 150 km
Banff
eP' 13 34 49
Halifax
eP' 13 35 16
e(P_cP) 13 35 53
Kirkland Lake
e(P') 13 35 08
iP' 13 35 12 c
Resolute
eP' 13 34 19
iP' 13 34 20 d
e 13 39 51
e 13 48 44
Ottawa
eP' 13 35 17 d
PP 13 38 04
Shawinigan Falls
iP' 13 35 14 d

Shawinigan Falls
iP' p3 35 14 d
PP 13 38 19
PKS 13 38 28
sPKS 13 39 35

APRIL 11
U.S.C.G.S.
39N, 70E
Tadzhik, S.S.R.
H = 01 45 10
Resolute
iP 01 56 02 d

APRIL 11
Resolute
iP 17 32 26 d

APRIL 11
Banff
iP 22 24 50.0
i(S) 22 24 53.5
D = 29 km

APRIL 11
Alberni
iP 23 05 09.7
iS 23 05 22.2
Horseshoe Bay
iP 23 04 57.4
iS 23 04 59.2
Victoria
iP 23 05 06.1
iS 23 05 16.1
D = 82 km

APRIL 12
U.S.C.G.S.
26S, 70W
Northern Chile
H = 05 05 05
Banff
iP 05 17 49

Halifax
iP 05 16 20 d
i(P_cP) 05 16 36 c
Kirkland Lake
eP 05 16 42 d
i(pP) 05 16 59 c
Resolute
ePP 05 22 51
eL 05 43 44
Ottawa
eP 05 16 24 d
i(P_cP) 05 16 41
Seven Falls
iP 05 16 33 d
e(P_cP) 05 16 50
PP 05 19 05
Shawinigan Falls
eP 05 16 30 d
e 05 16 42
i(P_cP) 05 16 48
i 05 16 55
e 05 17 46
PP 05 19 14
S 05 25 51

APRIL 12
Kirkland Lake
eP 12 03 44

APRIL 12
Kirkland Lake
eP 12 58 10 c

APRIL 12
Alberni
iP 13 06 07.5
iS 03 06 11.9
D = 36 km

APRIL 12
Alberni
iP 15 10 27.2
iS 15 10 39.2
Horseshoe Bay
iP 15 10 13.7

DOMINION OBSERVATORIES

Victoria
iP 15 10 22.3
iS 15 10 32.1
D = 81 km

APRIL 12
Resolute
i 15 31 18 d

APRIL 12
Kirkland Lake
eP 17 47 20

APRIL 12
U.S.C.G.S.
37N, 50E
Northern Iran
H = 22 34 44
Banff
eP 22 47 (56) d?
Halifax
iP 22 46 48 c
Resolute
eP 22 45 38 d
e(S) 22 53 10
Ottawa
eP 22 47 24
Seven Falls
eP 22 47 03 d
Shawinigan Falls
iP 22 47 10 d

APRIL 12
Kirkland Lake
eP 23 49 50

APRIL 13
Kirkland Lake
eP 03 06 17

APRIL 13
U.S.C.G.S.
23S, 67W
Chile-Argentina-Bolivia border
H = 04 38 53
h = 250 km
Ottawa
eP 04 49 31 d
Seven Falls
eP 04 49 39 d
Shawinigan Falls
iP 04 49 36 d

APRIL 13
Banff
eP 07 18 (41) d?

APRIL 13
U.S.C.G.S.
50N, 156E
Near south coast of Kamchatka
H = 07 55 00
Resolute
eP 08 03 32 c
iP 08 03 32.5 d
Ottawa
iP 08 06 41 d
Seven Falls
eP 08 06 42 d
Shawinigan Falls
eP 08 06 41 c
e 08 06 56

APRIL 14
Resolute
eP 03 45 22
Victoria
eP 03 45 32

APRIL 14
Banff
eP 11 17 39
e(S) 11 18 02

APRIL 16
U.S.C.G.S.
55N, 162E
Near east coast of Kamchatka
H = 01 42 29
Banff
iP 01 51 04
Halifax
iP 01 54 04 c
Kirkland Lake
eP 01 53 08 c?
Resolute
iP 01 50 15 d
eL 02 03 29
Ottawa
iP 01 53 33 d
Seven Falls
eP 01 53 36 d
Shawinigan Falls
eP 01 53 33 c
Victoria
eP 01 50 44

APRIL 16
U.S.C.G.S.
3 1/2S, 102E
Near south coast of Sumatra
H = 10 46 42
Banff
eP' 11 06 42

APRIL 16
Seven Falls
iP 15 53 49 c
e 15 54 00

SEISMOLOGICAL BULLETIN - 1956

APRIL 16
Seven Falls
eP 16 30 22 c

APRIL 16
Resolute
e 17 50 49
i 17 51 d

APRIL 16
Resolute
e 19 55 24

APRIL 16
U.S.C.G.S.
500 miles west of Galapagos Isl.
H = 20 49 00
Kirkland Lake
eP 20 58 30
Resolute
eP 21 00 54
eS 21 10 46
eL 21 25 19

APRIL 16
Banff
eP 21 52 39.0
eS 21 52 44.5
D = 45 km

APRIL 16
Alberni
eP 22 34 21.3
eS 22 34 28.9

APRIL 17
Resolute
eP 02 53 19 c

APRIL 17
Resolute
e 12 26 38
e 13 02 52

APRIL 18
U.S.C.G.S.
52N, 178W
Andreanof Isl., Aleutians
H = 11 00 13
Banff
eP 11 07 44
Halifax
eL 11.5
Horseshoe Bay
eP 11 07 08.5
Kirkland Lake
eP 11 10 13 c?
Resolute
eP 11 07 46 d
i 11 07 47 c
eS 11 13 44
eL 11 17 22
Victoria
eP 11 07 08.0

APRIL 18
U.S.C.G.S.
Northern Chile
H = 15 59 00
Halifax
eP 16 10 29
Kirkland Lake
eP 16 10 48 c
Ottawa
eP 16 10 32 c
Shawinigan Falls
iP 16 10 39 d

APRIL 18
U.S.C.G.S.
Andreanof Isl.
aftershock
H = 17 55 11
Resolute
eP 18 02 38 c
eS 18 09 00
eL 18 16 10
Victoria
eP 18 01 57

APRIL 18
Banff
iP 18 47 05.0
iS 18 47 11.3
iS 18 47 11.9
D = 52 km

APRIL 19
Kirkland Lake
eP 17 14 11 c?

APRIL 19
Resolute
e 21 10 31

APRIL 20
Resolute
e 00 05 21

APRIL 20
Resolute
e 04 51 27
e 05 00 41
e 05 22 52

APRIL 20
U.S.C.G.S.
7 1/2S, 129E
Banda Sea
H = 15 15 56
h = 150 km
Halifax
iP' 15 35 10 d
iPKS 15 38 38 d

DOMINION OBSERVATORIES

Kirkland Lake
eP' 15 35 00 d?
eSKP 15 38 11 c
Resolute
iP 15 30 07 d
iP' 15 34 13 d
eSKS 15 40 20
e(SP) 15 43 36
Ottawa
eP' 15 35 08 d
PKS 15 38 24
Seven Falls
eP' 15 35 13 d
SKP 15 38 30
Shawinigan Falls
eP' 15 35 08
PKS 15 38 25

APRIL 21
U.S.C.G.S.
6S, 155E
Solomon Isl.
H = 00 03 23
Ottawa
iP' 00 22 18 d
Seven Falls
iP' 00 22 25 d
Shawinigan Falls
eP' 00 22 20 d

APRIL 21
U.S.C.G.S.
About 100 miles south
of Formosa
H = 01 25 12
Victoria
eP 01 38 16

APRIL 21
U.S.C.G.S.
Andreanof Isl.,
Aleutians
H = 07 51 09
Victoria
eP 07 58 02

APRIL 21
Victoria
eP 12 35 13.8
e 12 36 19.2

APRIL 21
U.S.C.G.S.
Off south coast of
El Salvador
H = 13 53 49
Banff
eP 14 01 07
Kirkland Lake
eP 14 01 03
Resolute
eL 14 23 23
Ottawa
eP 14 01 02 d
Seven Falls
eP 14 01 30
Shawinigan Falls
eP 14 01 00
epP 14 01 18
Victoria
eP 14 02 21.9

APRIL 21
Banff
iP 17 07 25

APRIL 21
U.S.C.G.S.
17 1/2S, 179W
Fiji Isl.
H = 17 12 30
h = 600 km
Banff
iP 17 24 21
Victoria
eP 17 23 55

APRIL 22
Kirkland Lake
eP 04 54 13
Shawinigan Falls
eP 04 54 13

APRIL 22
U.S.C.G.S.
6S, 151 1/2E
New Britain
H = 04 40 53
Halifax
eL 05.5
Resolute
eP 04 54 48 c
eS 05 05 23
e 05 07 42
e 05 14 06
eL 05 32 20
Ottawa
iP' 04 59 54 c
Seven Falls
eP' 05 00 00
Shawinigan Falls
iP' 04 59 55 d

APRIL 22
U.S.C.G.S.
54N, 162W
South of Alaska
Peninsula
H = 17 21 53
Halifax
i(S) 17 40 11 N,E
eL 17 52
Horseshoe Bay
eP 17 27 13
Kirkland Lake
eP 17 30 40
Resolute
iP 17 28 30 c
eS 17 33 53
eL 17 36 50

SEISMOLOGICAL BULLETIN - 1956

Ottawa
iP 17 31 11 c
i 17 31 23
i 17 31 43
P_cP 17 32 21
S 17 38 40
S_cS 17 41 00
SS 17 42 35
Saskatoon
eP 17 28 28
iS 17 33 53
e 17 38.5
Seven Falls
iP 17 31 27 c
S 17 39 01
S_cS 17 41 12
SS 17 43 13
SSS 17 45 19
L 17 47 26
Shawinigan Falls
eP 17 31 16 c
i 17 31 28
e 17 32 12
P_cP 17 32 29
Victoria
eP 17 27 13
ePP 17 28 05
eS 17 31 48

APRIL 22
Alberni
iP 19 16 08.9
iS 19 16 24.1
Horseshoe Bay
iP 19 15 53.6
i 19 15 55.6
iS 19 16 03.3
Victoria
iP 19 16 07.6
iS 19 16 21.2
D = 112 km

APRIL 22
Victoria
iP 19 57 07.1
iS 19 57 24.4
D = 150 km

APRIL 23
U.S.C.G.S.
42 1/2N, 144 1/2E
Off east coast of
Hokkaido, Japan
H = 03 31 40
Banff
iP 03 41 10
Halifax
iP 03 44 35 c
Horseshoe Bay
eP 03 41 50
Kirkland Lake
eP 03 43 54 c
Resolute
iP § 03 41 21 c
eS 03 49 09
eL 04 01 30
Ottawa
iP 03 44 14 c
PP 03 47 35
S 03 54 38
Seven Falls
iP 03 44 18 c
i 03 44 31
S 03 54 46
S_cS 03 55 11
SS 04 00 04
Shawinigan Falls
iP 03 44 14 c
i 03 44 26
i 03 45 02
PP 03 47 34
S 03 54 41
Victoria
eP 03 41 51

APRIL 23
Resolute
i 21 22 59 d
e 22 16 41

APRIL 24
U.S.C.G.S.
3 1/2N, 79W
Off coast of Colombia
H = 00 22 30
Kirkland Lake
eP 00 30 49

APRIL 24
Banff
iP 01 10 39

APRIL 24
Resolute
e 05 33 08

APRIL 24
Victoria
eP 06 34 07

APRIL 24
Alberni
iP 16 51 46.9
i 16 51 48.3
iS 16 52 03.4
Horseshoe Bay
iP 16 51 32.1
i 16 51 34.9
iS 16 51 39.5
D = 61 km

APRIL 24
Resolute
e 19 04 03

APRIL 24
U.S.C.G.S.
51 1/2N, 160E
Off southeast coast
of Kamchatka
H = 23 24 37
Resolute
eP 23 32 52 d
i 23 32 52.5 c

DOMINION OBSERVATORIES

APRIL 25
U.S.C.G.S.
17S, 175E
Fiji Isl.
H = 08 29 58
Banff
eP 08 42 05
Victoria
eP 08 42 38

APRIL 25
U.S.C.G.S.
Fiji Isl. aftershock
H = 08 38 56
Resolute
eS 09 03 36

APRIL 25
U.S.C.G.S.
Lower California
H = 09 08 30
Halifax
eL 09.5
Very beautiful dispersion
Victoria
eP 09 12 45

APRIL 25
U.S.C.G.S.
300 miles off coast of Guerrero, Mexico
H = 17 02 15
Resolute
eL 17 27 30
Ottawa
eP 17 09 49
Shawinigan Falls
eP 17 10 09

APRIL 25
Victoria
iP 22 52 11.2
iS 22 52 12.9
D = 14 km

APRIL 26
Resolute
e 02 38 45
e 02 58 45

APRIL 26
U.S.C.G.S.
21 1/2S, 71W
Off coast of Northern Chile
h = 100 km
H = 05 43 17
Kirkland Lake
eP 05 54 15

APRIL 26
U.S.C.G.S.
16 1/2S, 174E
Fiji Isl. aftershock
H = 07 41 52
Banff
eP 07 54 59
Resolute
e(SS) 08 15 26
eL 08 28 56
Victoria
eP 07 54 32

APRIL 26
Halifax
eL 8.7
Beautiful dispersion

APRIL 26
Kirkland Lake
eP 11 24 09

APRIL 26
U.S.C.G.S.
37N, 140E
Central Honshu, Japan
H = 11 38 42
h = 100 km
Kirkland Lake
eP 11 51 22
Resolute
iP 11 49 00 d
e 12 13 41

APRIL 26
U.S.C.G.S.
51N, 143E
Northern Sakhalin
H = 14 52 19
Kirkland Lake
e(P) 15 04 50
Resolute
eP 15 01 02 d
eS 15 08 10
eL 15 17 28

APRIL 26
Horseshoe Bay
eP 16 48 55.8
eS 16 49 19.0
Victoria
eP 16 48 43.5
eS 16 48 59.2
iS 16 49 02.9
D = 130 km

APRIL 26
U.S.C.G.S.
Northern Kurile Isls.
H = 16 59 05
Resolute
eP 17 07 42
Shawinigan Falls
eP 17 10 52 c

APRIL 26
Resolute
e 20 33 49
e 21 09 00

SEISMOLOGICAL BULLETIN - 1956

APRIL 26
Horseshoe Bay
eP 21 03 10.3
eS 21 03 15.1
D = 40 km

APRIL 27
Resolute
e 07 16 52
e 07 38 05

APRIL 27
Alberni
eP 16 16 50.3
eS 16 16 59.6
Horseshoe Bay
eP 16 16 49.8
i 16 16 53.6
i 16 16 56.9
Victoria
eP 16 16 57.0

APRIL 28
Alberni
eP 04 09 08.2
eS 04 09 17.8

APRIL 28
U.S.C.G.S.
13 1/2N, 150E
Marianas Isl.
H = 06 35 34
h = 60 km
Horseshoe Bay
eP 06 47 48
Resolute
eP 06 48 05 c
iP 06 48 06 d
eS 06 57 26
eL 07 08 11

APRIL 28
Horseshoe Bay
eP 07 05 53
Kirkland Lake
eP 07 04 49
Resolute
i 07 08 03 d
Ottawa
eP 07 04 44
Shawinigan Falls
eP 07 05 00
e 07 05 35

APRIL 28
Horseshoe Bay
eP 07 22 59

APRIL 28
U.S.C.G.S.
Kermadec Isl.
H = 14 54 30
Resolute
eP' 15 13 13
i 15 13 13.5 d
eL 15 54 56

APRIL 28
Ottawa
eP_n 16 27 01
eS_n 16 27 18
eL 16 27 26
D = 150 km

APRIL 29
Resolute
eP 04 25 21 c

APRIL 30
Resolute
eP 00 03 08 c?
i(S) 00 07 16

APRIL 30
Alberni
iP 00 58 49.9
iS 00 59 07.8
Horseshoe Bay
iP 00 58 47.0
iS 00 59 00.4
Victoria
iP 00 58 31.3
iS 00 58 34.9

MAY 1
U.S.C.G.S.
4 1/2S, 103E
Near coast of southern Sumatra
H = 02 42 03
Halifax
eP' 03 01 23
Horseshoe Bay
eP' 03 00 58
Kirkland Lake
(e) 03 01 14
eP' 03 01 27
e 03 01 47
ePP 03 04 08
e(SKP) 03 04 54
Ottawa
eP' 03 01 28
ePP 03 04 27
ePKS 03 05 03
Resolute
iP' 03 00 35 d
eL 03 41
Shawinigan Falls
eP' 03 01 20
i 03 01 49
PP 03 04 17
PKS 03 04 59
e(pPKS) 03 05 23
Victoria
iP' 03 00 59
i 03 01 15

MAY 1
Ottawa
eP 11 25 54

Resolute
(e) 11 24 28
i 11 25 49 d
e 11 30 11
e 12 17 48
Shawinigan Falls
eP 11 26 01

MAY 1
U.S.C.G.S.
Tonga Isl.
H = 12 57 48
Halifax
eL 14 02
Resolute
eL 13 55 12

MAY 1
Alberni
iP 17 13 21.7
eS 17 13 56.0
D = 335 km

MAY 1
Horseshoe Bay
iP 19 55 41.2
iS 19 55 46.1
D = 40 km

MAY 2
U.S.C.G.S.
28N, 139 1/2E
Bonin Isl. region
H = 06 34 22
h = 550 km
Horseshoe Bay
iP 06 45 04 c
Resolute
eP 06 44 52 c
iP 06 44 53 d
e(sP) 06 46 35
Victoria
iP 06 45 06 c

MAY 2
Resolute
e 08 57 51
e 09 38 54
e 09 46 00
e 09 52 43
e 09 59 02
e 11 31 33

MAY 2
Halifax
e 12 59 03
Ottawa
iP 12 58 52 d

MAY 3
Kirkland Lake
e(P) 02 21 37

MAY 3
U.S.C.G.S.
Gulf of Alaska, 200 miles northwest of Sitka
H = 02 59 20
Resolute
eP 03 04 37
e 03 11 19

MAY 3
Horseshoe Bay
iP 23 29 43.1
iS 23 29 47.2
D = 34 km

MAY 4
Resolute
e 11 23 16

MAY 4
Kirkland Lake
eP 13 50 21
e 13 50 27

MAY 4
U.S.C.G.S.
Near coast of Guerrero, Mexico
H = 13 50 00
Kirkland Lake
eP 13 57 01 c
e 13 57 07
Ottawa
eP 13 56 59 d
Resolute
eP 13 59 59
eL 14 14.5
Shawinigan Falls
iP 13 57 18 d
i 13 57 23 d

MAY 4
Resolute
e 15 39 40
e 15 14 46
e 15 44 32

MAY 4
U.S.C.G.S.
16N, 122E
Luzon, P.I.
H = 18 45 21
Resolute
eP 18 58 06
eL 19 30.9

MAY 5
U.S.C.G.S.
15 1/2S, 173W
Samoa Isl. region
H = 03 22 27
h = 100 km
Halifax
eL 04 17
Resolute
eP 03 36 16
eS 03 46 52
e 03 55 18
e 04 07 33

MAY 5
U.S.C.G.S.
28 1/2S, 69W
Argentina-Chile border
H = 12 39 15
h = 150 km
Halifax
e(pP) 12 51 03
Kirkland Lake
iP 12 50 58 d
epP 12 51 23
Ottawa
iP 12 50 40 d
epP 12 51 04
Resolute
e 13 01 45
e 13 03 38
Seven Falls
iP 12 50 50 d
epP 12 51 15
i 12 51 36
Shawinigan Falls
iP 12 50 47 d
ipP 12 51 13 d

MAY 6
U.S.C.G.S.
54 1/2N, 162 1/2W
Unimak Isl., Alaska
H = 20 57 16
Halifax
e 21 07 22
eL 21 27
Horseshoe Bay
eP 21 02 44
Kirkland Lake
eP 21 06 11 c?
Ottawa
eP 21 06 39
S 21 14 13
Resolute
iP 21 03 53 c
e 21 08 18
eS 21 09 00
i 21 10 23
eL 21 12 23
Seven Falls
eP 21 06 47
Shawinigan Falls
eP 21 06 43 c
Victoria
eP 21 02 45 d
S 21 07 18

MAY 6
U.S.C.G.S.
45 1/2N, 150 1/2E
Kurile Isls.
H = 22 02 27
Resolute
eP 22 11 44 d
e 22 15 23
eL 22 34 39

MAY 7
U.S.C.G.S.
14 1/2N, 90 1/2W
Guatemala
H = 08 17 03
h = 200 km
Kirkland Lake
iP 08 23 39 c
i! 08 23 39.5 d
Ottawa
iP 08 23 28 c
PP 08 24 41
PPP 08 24 48
S 08 28 48
e 08 29 30
SSS 08 31 20
Resolute
iP 08 26 55 c
eS 08 35 04
e 08 40 53
eL 08 42 11
e 08 44 15
e 08 48 17
Seven Falls
eP 08 23 55
Shawinigan Falls
iP 08 23 45 c
pP 08 24 07 d
PP 08 24 56
PPP 08 25 09
S 08 29 13
e 08 29 57
SSS 08 31 50

MAY 7
U.S.C.G.S.
46 1/2S, 96E
South Indian Ocean
H = 10 58 12
Halifax
e(SS) 11 44
eL 12 24
Ottawa
eP_2' 11 20 07
PP 11 24 02
e 11 26 35
e 11 27 16
SKKS 11 30 26
e 11 32 36
SS 11 45 28
e 11 48 07
SSS 11 52 22
L 12 18 07
Resolute
eP' 11 18 10
e 11 24 23
e 11 26 43
e 11 30 21
eP'P' 11 41 07
e 11 47 16
Victoria
eP 11 18 20

MAY 7
U.S.C.G.S.
10N, 141 1/2E
Caroline Isls.
H = 18 38 47
Horseshoe Bay
eP 18 51 31 d
Resolute
eP 18 51 43
eL 19 26 31
Victoria
eP 18 51 32 d

MAY 8
U.S.C.G.S.
19N, 121 1/2E
Near north coast of Luzon, Philippine Isl.
H = 03 07 34

DOMINION OBSERVATORIES

Resolute
e 03 18 04
eP 03 20 03

MAY 8
U.S.C.G.S.
75N, 1 1/2E
Arctic Ocean
H = 10 46 22
Resolute
eP 10 51 32 c
iP 10 51 32.5 d
eS 10 55 49

MAY 8
Alberni
iP 15 45 51.4
iS 15 46 05.9
e 15 46 07.4
Horseshoe Bay
iP 15 45 47.7
S 15 45 50.4
D = 23 km
May be blast

MAY 8
U.S.C.G.S.
38 1/2N, 741/2E
Hindu Kush
H = 19 50 05
Resolute
eSS? 20 14 54

MAY 8
U.S.C.G.S.
Iran, near north coast
Persian Gulf
H = 20 50 00
Resolute
eP 21 01 49
e? 21 26 09
eL 21 31 29

MAY 10
U.S.C.G.S.
12N, 143E
Marianas Islands
H = 05 44 48
h = 100 km
Horseshoe Bay
eP 05 57 10
Resolute
eP 05 57 26 d
iP 05 57 26.5 c
e 06 05 57

MAY 10
Resolute
e 12 25 56

MAY 10
U.S.C.G.S.
53 1/2N, 164W
Near Unimak Isl. Alaska
H = 16 36 32
Resolute
eP 16 43 16

MAY 10
Alberni
iP 17 07 35.8
iS 17 07 47.9
D = 99 km

MAY 10
U.S.C.G.S.
79N, 3E
Off west coast of
Sptizbergen
H = 18 12 00
Resolute
eP 18 16 29
eS 18 20 03
e 18 22 25
e 18 22 52

MAY 11
Resolute
eP 15 55 46
e 15 59 25
e 15 45 44

MAY 11
Halifax
i 21 05 17 c
Ottawa
eP 21 05 01
Shawinigan Falls
e 21 06 12

MAY 12
Seven Falls
eP_n 00 40 02.0
e 00 40 10.0
iS_n 00 40 22.0
i 00 40 23.5
iS_1 00 40 26.0
i 00 40 31.5
D = 165 km
Shawinigan Falls
e 00 40 25
i 00 40 27

MAY 12
U.S.C.G.S.
About 200 miles south
of Honshu, Japan
H = 09 44 11
Resolute
iP 09 55 10 c

MAY 12
U.S.C.G.S.
43 1/2N, 146 1/2E
Off east coast of
Hokkaido, Japan
H = 21 40 23
Resolute
eP 21 50 00 c
iP 21 50 01.5 d

MAY 13
U.S.C.G.S.
North Polar region
(Siberia)
H = 04 27 14
Resolute
eP 04 31 52

MAY 13
Resolute
e(P) 06 49 48
e 06 52 35
e 06 54 22

MAY 13
U.S.C.G.S.
30N, 70E
Central Pakistan
H = 07 50 33
Halifax
eL 08 36
Kirkland Lake
eP 08 04 11
Resolute
eP 08 02 16
e 08 04 23
ePP 08 05 08
eS 08 12 00
e 08 15 48
eL 08 28 43
Shawinigan Falls
eP 08 04 09 d

MAY 13
U.S.C.G.S.
North Polar region
(Siberia)
H = 08 56 36
Resolute
eP 09 01 13
e(S) 09 05 20
e 09 07 54

MAY 13
U.S.C.G.S.
85 1/2N, 82E
North Polar region
H = 14 34 00
Kirkland Lake
e(P) 14 42 37
Resolute
eP 14 38 34
eS 14 42 24
e 14 45 19
e 14 46 22
e 14 58 35
Shawinigan Falls
eP 14 42 40

MAY 14
Alberni
iP 17 05 37.5
i 17 05 49.2
S 17 06 44.0
Horseshoe Bay
iP 17 05 23.6
i 17 05 34.2
S 17 06 16.1
Victoria
iP 17 05 35.5
i 17 05 46.2
S 17 06 35.6
Local

MAY 15
Resolute
e 05 38 11

MAY 15
U.S.C.G.S.
13 1/2S, 77W
Near coast of Peru
H = 08 13 02
h = 100 km
Halifax
iP 08 22 58 c
Kirkland Lake
eP 08 23 11 c
pP 08 23 30 (c)

Ottawa
iP 08 22 54 c
Resolute
eP 08 25 47 d
iP 08 25 48 c
e 08 35 22
eS 08 36 20
eSS 08 42 03
Seven Falls
iP 08 23 07 c
S 08 31 21
Shawinigan Falls
iP 08 23 02 c
pP 08 23 21 c
Victoria
eP 08 24 35

MAY 15
U.S.C.G.S.
6S, 82 W
Near coast of Peru
H = 12 32 59
Kirkland Lake
eP 12 42 42 d
iP 12 42 42.5 c
e 12 42 51
Ottawa
iP 12 42 24 d
Resolute
eP 12 45 32
e 13 14 11
e 13 20 14
Shawinigan Falls
iP 12 42 36 c
i 12 42 44

MAY 15
U.S.C.G.S.
37 1/2N, 21E
Near west coast of
Greece
H = 18 34 15
Resolute
eP 18 44 26
eL 19 12 21

DOMINION OBSERVATORIES

MAY 15
U.S.C.G.S.
38N, 22E
Southern Greece
H = 22 56 55
Resolute
eP 23 07 05
eL 23 30 09
e 23 40 49

MAY 15
Ottawa
eP 23 27 27 c

MAY 16
Resolute
e(P) 07 00 40

MAY 17
U.S.C.G.S.
16 1/2S, 72W
Near coast of S. Peru
H = 05 59 57
h = 60 km
Halifax
iP 06 10 12 c
eS 06 18 31
Horseshoe Bay
iP 06 12 03 c
Kirkland Lake
iP 06 10 33 c
Ottawa
iP 06 10 14 c
S 06 18 33
PS 06 19 02
Resolute
eP 06 13 04
ePP 06 16 58
eS 06 23 49
eSS 06 30 10
Seven Falls
iP 06 10 27 c
i 06 10 35
pP 06 10 44
S 06 18 41
L 06 26 29
Shawinigan Falls
iP 06 10 22 c
pP 06 10 40 c
Victoria
iP 06 11 59 c

MAY 17
Resolute
e 11 28 07
e 11 29 43

MAY 17
Resolute
e 13 40 20
e 13 47 04
e 13 47 29

MAY 17
Resolute
e 15 36 18
e 15 38 52

MAY 17
Alberni
iP 17 04 38.7
iS 17 04 58.2
Victoria
iP 17 04 45.8

MAY 17
Alberni
iP 17 06 27.5
iS 17 06 34.9
Horseshoe Bay
iP 17 06 26.5
iS 17 06 33.6
Victoria
iP 17 06 34.1
iS 17 06 46.1

MAY 17
Alberni
iP 17 07 04.8
Horseshoe Bay
iP 17 07 03.5
iS 17 07 11.4
Victoria
iP 17 07 11.7
iS 17 07 22.9

MAY 17
Alberni
iP 17 12 36.7
iS 17 12 54.6
Horseshoe Bay
iP 17 12 36.6
iS 17 12 54.4
Victoria
iP 17 12 44.6
i(S) 17 13 02.5

MAY 17
U.S.C.G.S.
52 1/2N, 174E
Near Isls., Aleutians
H = 21 08 46
Resolute
eP 21 16 28

MAY 18
Horseshoe Bay
eP 03 42 24
eS 03 43 19
Victoria
iP 03 42 10.1
eP 03 42 16.9
(S) 03 42 58.8

MAY 18
U.S.C.G.S.
62N, 145 1/2W
Southern Alaska
H = 09 55 09
h = 100 km
Halifax
eP 10 03 43
e 10 04 09
e(S) 10 25

SEISMOLOGICAL BULLETIN - 1956

Kirkland Lake
eP 10 02 21
eL 10 15 08
Resolute
(e) 09 45 25
eP 09 59 54
eS 10 03 45
e 10 06 35
e 10 06 49
Shawinigan Falls
eP 10 03 21
Victoria
eP 09 59 28
eS 10 04 45

MAY 18
U.S.C.G.S.
Near east coast of Greece
H = 22 08 25
Halifax
iP 22 18 47 c
Ottawa
iP 22 19 34 c
Resolute
eP 22 18 24
eL 22 40 37
Seven Falls
eP 22 19 09 c
Shawinigan Falls
eP 22 19 18 c

MAY 19
U.S.C.G.S.
11 1/2S, 166 1/2E
Santa Cruz Isls.
H = 00 21 12
Halifax
e 01 29
Resolute
e(PS) 00 48 14

MAY 19
U.S.C.G.S.
7S, 156E
Solomon Isls.
H = 01 30 36
Halifax
eP 01 49 47
e 02 36
Kirkland Lake
eL 02 28
Ottawa
eP' 01 49 32
PS 02 01 08
SS 02 08 14
L 02 28 40
Resolute
eP 01 44 44
ePP 01 48 49
e 01 50 49
ePS 01 58 02
eSS 02 03 01
eL 02 21 37
Seven Falls
eP' 01 49 29
Shawinigan Falls
eP' 01 49 43

MAY 19
U.S.C.G.S.
40S, 43E
Indian Ocean
H = 20 02 15
Halifax
eP 20 21 16 d
iSS 20 40 44
Kirkland Lake
eP' 20 21 39
e 20 24 50
Ottawa
eP' 20 21 56
e 20 23 05
PP 20 24 40
PKS 20 26 16
e 20 27 02
SKKS 20 31 36
e 20 32 34
SS 20 42 44
SSS 20 47 44
L 20 57 24
Resolute
eP' 20 21 40
ePP 20 25 02
e(PKS) 20 25 37
e 20 28 39
e 20 39 24
L 21 04 39
Shawinigan Falls
eP' 20 21 40
PP 20 24 26
Victoria
eP' 20 23 50
(PPP) 20 34 36
SKKS 20 36 26

MAY 19
Kirkland Lake
eP 21 55 43
Shawinigan Falls
eP 21 55 57

MAY 20
Resolute
eP 08 04 55
e 08 06 50

MAY 20
U.S.C.G.S.
Marshall Isls.
H = 17 50 37
Resolute
eP 18 02 56
eL 18 29 35

MAY 21
U.S.C.G.S.
N. Chile
H = 00 29 47
h = 100 km
Kirkland Lake
eP 00 40 40 c
epP 00 41 08
Ottawa
eP 00 40 20
ipP 00 40 48

Seven Falls
iP 00 40 30 c
pP 00 40 58
Shawinigan Falls
iP 00 40 26 c
pP 00 40 55

MAY 21
U.S.C.G.S.
60N, 150 1/2W
Kenai Peninsula, Alaska
H = 09 15 47
h = 150 km
Kirkland Lake
eP 09 23 24
Resolute
eP 09 21 18
Shawinigan Falls
eP 09 23 59 d

MAY 22
U.S.C.G.S.
4 1/2N, 126 1/2E
South of Mindanao
Phillipine Isls.
H = 02 05 06
Resolute
eP 02 18 41
ePP 02 22 34
Seven Falls
iP' 02 24 13 c
Shawinigan Falls
eP' 02 24 12 c

MAY 22
U.S.C.G.S.
15 1/2S, 173W
Samoa Islands
H = 03 01 03
Halifax
e 03 56
Horseshoe Bay
eP 03 13 18
Kirkland Lake
e(P) 03 15 07

Ottawa
SKS 03 26 02
PS 03 29 04
PPS 03 30 02
Resolute
eP 03 14 58
ePP 03 19 01
eS 03 25 36
ePS 03 28 10
eL 03 45 17
Seven Falls
SKS 03 26 12
SKKS 03 27 10
PS 03 30 34
PPS 03 31 34
SS 03 35 13
e 03 42 37
L 03 52 13
Victoria
eP 03 13 03
S 03 22 55
eL 03 36.5

MAY 22
Resolute
e 04 33 14
e 05 13 18

MAY 22
U.S.C.G.S.
Near east coast of
Celebes
H = 05 10 40
Halifax
eP' 05 33 21
Ottawa
iPP 05 33 09
Shawinigan Falls
eP' 05 30 07 c
PP 05 33 07 c

MAY 22
U.S.C.G.S.
4S, 152 1/2E
New Ireland
H = 13 36 12
h = 550 km

Halifax
iP' 13 59 24 c
ePP 13 56 31
e(SS) 14 13 11
Kirkland Lake
eP' 13 54 02
ePKKP 14 04 29
Ottawa
iP' 13 54 11 c
PP 13 55 48
S 14 02 56
PS 14 06 20
SS 14 11 42
SSS 14 19 37
Resolute
iP 13 49 02 d
ePP 13 53 12
e 13 54 47
eSKS 13 58 50
eS 13 59 53
ePS 14 02 24
Seven Falls
iP' 13 54 14
PP 13 55 56
PPP 13 58 45
S 14 03 12
PS 14 06 19
SS 14 11 49
iL 14 26 49
Shawinigan Falls
eP' 13 54 11
iPP 13 55 53 d

MAY 22
Ottawa
iP 20 01 32 c

MAY 23
Alberni
iP 06 29 05.2
iS 06 29 14.0
D = 72 km

MAY 23
U.S.C.G.S.
15 1/2S, 179W
Fiji Isls.
H = 20 48 30
h = 450 km
Alberni
iP 20 59 56 d
Halifax
iPKP 21 07 53 c
iS 21 15 09 s
esP 21 16 53 c
Horseshoe Bay
eP 21 00 02 c
Kirkland Lake
eP 21 02 01
epP 21 03 36
esP 21 04 25
i!PP 21 06 31 c
epPP 21 08 01
esPP 21 08 50
eS 21 13 36
e(SP) 21 15 17
Ottawa
eP 21 02 14 c
pP 21 03 47
sP 21 04 35
e 21 06 09
i 21 06 14
PP 21 06 51
e 21 09 20
iSKS 21 12 14
e 21 13 12
S 21 13 54
e 21 15 17
SP 21 15 44
PS 21 16 20
iPS 21 16 44
sPS 21 18 31
e 21 19 34
SS 21 21 50
e 21 24 20
SSS 21 25 54
e 21 28 50
Resolute
iP 21 01 43 c
epP 21 03 21
ePP 21 05 59
eSKS 21 11 41
e(pS) 21 14 53
Saskatoon
P 21 00 54
SKS 21 10 41
iS 21 11 13
i 21 13 15
sS 21 14 09
L 21 26.7
Seven Falls
eP 21 02 31
pP 21 04 13
e 21 05 49
i 21 06 22
e 21 06 49
PP 21 07 16
e 21 08 14
e 21 09 22
iSKS 21 12 30
i 21 13 34
S 21 14 27
pS 21 16 38
iPS 21 17 07
isPS 21 19 04
SS 21 22 42
SSS 21 26 56
Shawinigan Falls
eP 21 02 23 c
e 21 06 16
iPP 21 07 06 c
e 21 07 47
pPP 21 08 44
e 21 10 26
pPPP 21 11 21
SKKS 21 13 02
SP 21 16 05
sS 21 17 22
PPS 21 17 59
sPS 21 18 59
Victoria
iP 20 59 57 c
iS 21 09 30 N,E
sS 21 12 17
e 21 29.5

MAY 24
U.S.C.G.S.
Gulf of California
H = 02 27 29

Halifax
eL 02 47
Kirkland Lake
eP 02 34 13
eS 02 44 28
Ottawa
e 02 41 30
eL 02 44 26
iL 02 45 02
Resolute
e 02 46 49
e 02 54 16
e 02 54 51
e 02 58 10

MAY 24
U.S.C.G.S.
5S, 131E
Banda Sea
H = 19 59 42
Shawinigan Falls
eP' 20 19 04

MAY 25
U.S.C.G.S.
1N, 97 1/2E
Near coast of Sumatra
H = 00 50 33
Resolute
eL 01 44 05

MAY 26
U.S.C.G.S.
4S, 126 1/2E
Boeroe Isl.,
Banda Sea
H = 08 30 18
Resolute
eS 08 55 41
ePS 08 58 04
eSS 09 03 55
Seven Falls
eP' 08 49 54

DOMINION OBSERVATORIES

MAY 26
U.S.C.G.S.
24S, 67W
Northern Chile-Argentina border
H = 17 46 34
h = 200 km
Halifax
eP 17 57 19

MAY 26
Halifax
i 18 49 09 c

MAY 26
U.S.C.G.S.
19S, 178 1/2W
Fiji Isls.
H = 20 21 14
h = 550 km
Halifax
iP' 20 39 07 c
ipPP 20 41 51 d
iSKS 20 45 20 E
iS 20 46 46 E
e 20 56 30
i 21 03 54 N
Kirkland Lake
eP' 20 38 44
e 20 39 26
Ottawa
eP' 20 38 50
PP 20 39 42
e 20 41 14
pPP 20 41 28
PPP 20 42 14
SKS 20 44 41
SKKS 20 45 48
S 20 46 40
e 20 48 23
ipS 20 48 44
PS 20 49 42
SS 20 54 26
SSS 20 58 14

Resolute
epP 20 36 54
ePP 20 39 08
eSKS 20 44 16
eSKKS 20 45 07
eSP 20 47 18
e(sSP) 20 51 06
Saskatoon
i 20 44 03
Seven Falls
eP' 20 38 56
PP 20 39 54
e 20 40 11
e 20 40 19
e 20 41 12
pPP 20 41 28
iSKS 20 44 55
iSKKS 20 46 12
pS 20 49 00
e 20 49 33
iPS 20 49 44
e 20 49 59
e 20 52 55
e 20 53 36
e 20 54 00
SS 20 55 23
SSS 20 59 00
L 21 07 43
Shawinigan Falls
eP' 20 38 53 c
PP 20 39 56
e 20 40 11
pPP 20 41 37
SKS 20 44 48
SKKS 20 45 58
e 20 48 05
SP 20 48 50
e 20 49 40
iPS 20 49 50
e 20 53 43
Victoria
iP 20 32 47 d
i(P_cP) 20 32 52 d
pP 20 35 01
S 20 42 11
sS 20 46 16

MAY 27
U.S.C.G.S.
Near coast of N. Sumatra
H = 13 09 42
Shawinigan Falls
iP' 13 28 50 d

MAY 27
Horseshoe Bay
iP 15 43 50
i 15 43 53
i 15 44 03

MAY 27
Shawinigan Falls
i(P) 16 34 07 c
i 16 34 13
e 16 34 27

MAY 27
U.S.C.G.S.
6 1/2S, 129 1/2E
Banda Sea
H = 16 56 49
Halifax
eP' 17 15 55
iPP 17 19 22 c
Kirkland Lake
eP' 17 15 45
eSKP 17 18 53
Resolute
eSKS 17 21 12
eS 17 22 57
e(pS) 17 23 40
Seven Falls
e(P') 17 15 54
iPKS 17 19 09

MAY 27
U.S.C.G.S.
Marshall Isls.
H = 17 55 56
Horseshoe Bay
iP 18 07 11 c

SEISMOLOGICAL BULLETIN - 1956

Resolute
e 18 07 30
iP 18 08 19 d
eL 18 38 01
Victoria
iP 18 07 09 c

MAY 28
U.S.C.G.S.
27 1/2N, 44 1/2W
N. Atlantic Ocean
H = 01 44 26
Resolute
eL 02 11 02

MAY 28
U.S.C.G.S.
13N, 124 1/2E
North of Samar Isl.
Phillipine Isls.
H = 09 14 59
Resolute
iP 09 27 55 d
e 09 37 43
eS 09 39 57
e 09 41 13

MAY 28
U.S.C.G.S.
1N, 122E
Northern Celebes
H = 13 23 17
h = 100 km
Kirkland Lake
eP' 13 42 18
e 13 42 44
Ottawa
iPKS 13 45 40
e(sPKS) 13 46 30
Resolute
eP 13 37 03
ePP 13 41 39
eSKS 13 47 32
eSS 13 55 37
Seven Falls
PKS 13 45 37

Shawinigan Falls
eP' 13 42 25
pP' 13 42 52 d
PKS 13 45 38

MAY 28
Victoria
eP 23 44 53

MAY 29
U.S.C.G.S.
4 1/2S, 103E
Near south coast of Sumatra
H = 06 29 21
h = 100 km
Kirkland Lake
eP' 06 48 36
Shawinigan Falls
eP' 06 48 38
Victoria
eP 06 48 06

MAY 29
U.S.C.G.S.
14 1/2S, 72 1/2W
Southern Peru
H = 17 48 26
h = 100 km
Kirkland Lake
eP 17 58 43

MAY 30
U.S.C.G.S.
23S, 178 1/2W
Tonga Isls. region
H = 15 41 57
h = 350 km
Horseshoe Bay
iP 15 54 07 d
Victoria
iP 15 54 05 d

MAY 31
U.S.C.G.S.
Salta Province, Argentina
H = 08 55 45
Kirkland Lake
eP 09 07 16
Resolute
eL 09 48 54

MAY 31
Resolute
e 14 45 31

MAY 31
U.S.C.G.S.
45 1/2N, 151E
Kurile Isls.
H = 14 50 13
Resolute
eP 14 59 25
eL 15 21 55

MAY 31
U.S.C.G.S.
Fiji Islands
H = 21 00 50
h = 60 km
Shawinigan Falls
eP' 21 19 19

JUNE 1
Alberni
iP 02 40 45.4
i 02 40 59.9
iS 02 41 08.4
Horseshoe Bay
eP 02 40 (55)
iP 02 40 (58)
Victoria
iP 02 41 10.9
iS 02 42 45.4
D = 335 km

DOMINION OBSERVATORIES

JUNE 1
U.S.C.G.S.
64N, 22W
Iceland
H = 10 46 20
Resolute
e 10 59 39
e 11 02 22

JUNE 3
U.S.C.G.S.
79 1/2N, 118 1/2W
Arctic Ocean
H = 05 19 23
Halifax
e(L) 05 36
e 05 39 54
Kirkland Lake
eP 05 26 12 c
e 05 38 05
e 05 40.5
i 05 41 04
Ottawa
iP 05 26 41 c
i 05 26 52
PP 05 28 02
PPP 05 28 32
S 05 32 32
SS 05 34 51
eL 05 36.3
Resolute
iP 05 21 07 c
eS 05 22 23
Saskatoon
eS 05 34.1
Seven Falls
iP 05 26 33 d
eS 05 32 17
SSS 05 35 52
eL 05 38 01
Shawinigan Falls
eP 05 26 34 c
PP 05 27 55
PPP 05 28 19
Victoria
iP 05 25 48
eS 05 36 12
e 05 39.3

JUNE 3
Resolute
e 10 26 14

JUNE 3
Resolute
e 19 49 33
e 19 51 57

JUNE 4
U.S.C.G.S.
52N, 159 1/2E
Near south coast of Kamchatka
H = 02 19 55
Resolute
eL 02 42 09

JUNE 4
U.S.C.G.S.
52N, 170 1/2W
Fox Isl., Aleutians
H = 07 09 18
Halifax
iS 07 28 45 E
Horseshoe Bay
eP 07 18 (30)
Kirkland Lake
eP 07 18 50 c
eS 07 26 29
Ottawa
eP 07 19 18 c
i 07 19 30
PP 07 21 28
S 07 27 24
S_cS 07 29 08
eL 07 34 00
Resolute
eP 07 16 29
e(PP) 07 18 13
eS 07 22 28
eL 07 29 57
Saskatoon
iP 07 16 46
iS 07 22 39
Seven Falls
eP 07 19 27
PPP 07 23 08
S 07 27 28
PPS 07 28 12
S_cS 07 29 18
SS 07 31 52
SSS 07 34 28
e 07 36 26
eL 07 38 39
Shawinigan Falls
iP 07 19 26 c
PP 07 21 41
Victoria
eP 07 15 34
i 07 18 33
eS 07 20 32

JUNE 4
U.S.C.G.S.
31S, 178W
Kermadec Isl.
H = 12 05 55
Halifax
i 12 38 33
i 12 39 10
eL 13 11
Kirkland Lake
eL 13.1
Resolute
eP' 12 24 45
eS 12 33 53
Shawinigan Falls
eP' 12 25 02

JUNE 4
Resolute
e 19 13 21

JUNE 4
Alberni
i 22 23 50.6
i 22 24 13.3
Horseshoe Bay
S-P = 12.3 secs.
Minute marks missing

SEISMOLOGICAL BULLETIN - 1956

Victoria
iP 22 23 33.2
iS 22 23 41.2
D = 66 km

JUNE 5
Kirkland Lake
e(P) 02 30 06

JUNE 5
Kirkland Lake
e(P) 05 39 44

JUNE 5
U.S.C.G.S.
8S, 112E
Java
H = 05 29 47
Halifax
iP' 05 49 20 d
Kirkland Lake
eP' 05 49 09
eL 06 52
Shawinigan Falls
eP' 05 49 13
i 05 49 21
iPP 05 52 21 c

JUNE 5
U.S.C.G.S.
51S, 112 1/2W
Pacific Ocean
H = 05 59 41
Ottawa
e 06 17 28
SKS 06 24 22
S 06 25 21
SS 06 32 24
eL 06 40.2
Resolute
e 06 28 36
e 06 37 36
e 07 02 53

Seven Falls
SKS 06 24 38
PS 06 27 09
e 06 28 44
SS 06 32 53
eL 06 42

JUNE 5
Halifax
$e(P_n)$ 07 48 18
$e(S_n)$ 07 50 30
Kirkland Lake
$e(P_n)$ 07 51 31
e 07 51 34
$e(S_1)$ 07 53 17
Ottawa
iP_n 07 51 42
S_n 07 53 17
e 07 53 38
e 07 53 45
Seven Falls
i 07 50 54
Shawinigan Falls
eP_n 07 50 44
eS_n 07 52 08

JUNE 5
U.S.C.G.S.
Fox Isl., Aleutians
H = 16 13 55
Resolute
eL 16 35 03

JUNE 5
Kirkland Lake
eP 16 52 21
Shawinigan Falls
eP 16 52 08

JUNE 5
U.S.C.G.S.
52N, 159E
Kamchatka
H = 19 01 02
Resolute
eL 19 25 40

Shawinigan Falls
eP 19 12 28

JUNE 5
U.S.C.G.S.
52N, 171W
Fox Isl,, Aleutians
H = 20 17 04
h = 60 km
Resolute
e 20 35 46

JUNE 6
Resolute
e 10 48 59

JUNE 8
U.S.C.G.S.
12S, 167 1/2E
Santa Cruz Isl.
H = 01 54 35
h = 300 km
Halifax
iP' 02 13 05 d
Ottawa
iP' 02 12 49 d
Seven Falls
iP' 02 12 54 d
Shawinigan Falls
iP' 02 12 52 c
Victoria
iP 02 06 45 c

JUNE 8
U.S.C.G.S.
35N, 67 1/2E
Afghanistan foreshock
H = 04 07 26
Kirkland Lake
eP 04 20 39
Resolute
eP 04 18 37
eL 04 35 45
Shawinigan Falls
iP 04 20 36 d

DOMINION OBSERVATORIES

JUNE 8
U.S.C.G.S.
6S, 154 1/2E
Solomon Isl.
H = 12 29 47
Ottawa
iP' 12 48 42 d
Resolute
ePP 12 47 42
e 13 01 20
eL 13 15 36

JUNE 8
U.S.C.G.S.
30S, 70W
Argentina-Chile border
H = 13 53 09
h = 150 km
Halifax
iP 14 04 44 d
eL 14 32
Kirkland Lake
eP 14 04 59 d
e 14 05 03 c
Ottawa
eP 14 04 47 d
Resolute
e 14 09 16
e 14 13 26
e(SKKS) 14 18 09
e(PS) 14 20 35
e 14 44 29
e 14 53 43
Seven Falls
eP 14 04 54 d
Shawinigan Falls
iP 14 04 48 d

JUNE 8
U.S.C.G.S.
Kermadec Isl.
H = 20 58 30
Resolute
eL 22 00

JUNE 9
U.S.C.G.S.
64N, 148W
Central Alaska
H = 02 26 57
Kirkland Lake
e 02 34 12
Ottawa
eP 02 34 45
Resolute
eP 02 29 00
e 02 31 15
eS 02 34 53
e 02 41 23
Shawinigan Falls
iP 02 34 47

JUNE 9
U.S.C.G.S.
New Britain
H = 05 37 04
Resolute
eL 06 24 05
Shawinigan Falls
iP' 05 56 07 d

JUNE 9
U.S.C.G.S.
30 1/2S, 70 1/2W
Central Chile
H = 10 08 32
h = 150 km
Halifax
iP 10 20 07 c
iS 10 29 42 N,E
eL 10 46
Kirkland Lake
eP 10 20 25 c
i 10 20 29
eS 10 30.4
Ottawa
eP 10 20 09
i 10 20 13
P_cP 10 20 20
PP 10 22 53
S 10 29 50
PPS 10 31 08
e 10 32 32
SS 10 34 34
Resolute
e(P) 10 22 07
i(pP) 10 22 42 d
e 10 25 39
ePP 10 27 02
eSKS 10 33 05
ePS 10 36 11
e 11 05 08
e 11 16 02
Saskatoon
iP 10 21 43
Seven Falls
eP 10 20 18
i 10 20 22
P_cP 10 20 31
i 10 21 18
S 10 30 06
e 10 32 30
e 10 33 24
SS 10 34 47
Shawinigan Falls
eP 10 20 15 d
i 10 20 19 c
e(P_cP) 10 20 29
Victoria
eP 10 21 31

JUNE 9
U.S.C.G.S.
35 1/2N, 67 1/2E
Afghanistan
H = 23 13 51
Halifax
iP 23 26 49 c
iPP 23 30 18
iSKS 23 37 24 E
i 23 39 17
eL 23 58
Horseshoe Bay
iP 23 27 (17) c
Kirkland Lake
iP 23 27 02 c
e(PPP) 23 32 43
e 23 34 31
e 23 35 03
e(S) 23 37 04
e(SP) 23 39 13
e(PS) 23 39 22

SEISMOLOGICAL BULLETIN - 1956

Ottawa
eP 23 27 08 c
epP 23 27 34
i 23 28 06
PP 23 30 47
PPP 23 32 45
SKS 23 37 48
S 23 38 36
PS 23 39 20
PPS 23 40 46
e 23 44 48
SS 23 45 05
SSS 23 48 03
eL 23 51 24
Resolute
iP 23 25 02 c
ePP 23 27 38
eS 23 34 23
eL 23 42 30
Saskatoon
iP 23 27 08
PP 23 30 50
PPP 23 32 47
S 23 37 49
Seven Falls
iP 23 26 53
e 23 27 37
e 23 30 05
PP 23 30 28
PPP 23 32 27
e 23 36 07
SKS 23 37 27
iS 23 37 59
PPS 23 39 52
e 23 41 33
e 23 43 10
SSS 23 47 33
eL 23 50.3
Shawinigan Falls
eP 23 26 58 c
pP 23 27 23
e 23 30 14
PP 23 30 39
e 23 31 39
PPP 23 32 29
SKS 23 37 35
S 23 38 28
PS 23 39 08

Victoria
iP 23 27 21 c
ePP 23 31 15
eS 23 38 40
ePS 23 40 04
eL 23 46.2

JUNE 10
U.S.C.G.S.
35N, 68E
Afghanistan aftershock
H = 01 01 35
Resolute
eP 01 12 49

JUNE 10
U.S.C.G.S.
Afghanistan aftershock
H = 03 33 05
Resolute
eL 04 10 04

JUNE 10
Resolute
e 14 18 18
e 14 19 47
e 14 20 12
e 14 21 59

JUNE 11
U.S.C.G.S.
34 1/2N, 26 1/2E
Near south coast
of Crete
H = 01 11 24
Ottawa
iP 01 23 03 d
Seven Falls
iP 01 22 40 d
Shawinigan Falls
iP 01 22 48 d

JUNE 11
U.S.C.G.S.
35N, 67 1/2E
Afghanistan aftershock
H = 02 57 15
Resolute
eL 03 25 20

JUNE 11
U.S.C.G.S.
52N, 31 1/2W
North Atlantic Ocean
H = 08 22 09
Halifax
iP 08 27 05 d
iS 08 31 10 N,E
Kirkland Lake
eP 08 28 24
Ottawa
eP 08 28 12 c
eS 08 33 04
e 08 34 00
eL 08 36 38
Resolute
e(P) 08 28 31
iP 08 28 48 d
eS 08 34 10
eL 08 36 38
Seven Falls
eP 08 27 37 d
eS 08 32 06
eL 08 34 29
Shawinigan Falls
eP 08 27 50 c

JUNE 11
U.S.C.G.S.
27 1/2S, 69W
Northern Chile-
Argentina border
H = 09 56 10
Kirkland Lake
eP 10 08 02 c
Ottawa
eP 10 07 44 c

Resolute
e(PS) 10 23 23
e 10 26 35
e 10 27 31
eL 10 37 39
Seven Falls
eP 10 07 54 d
Shawinigan Falls
eP 10 07 52 c

JUNE 11
Kirkland Lake
eP 15 58 21

JUNE 11
U.S.C.G.S.
Near coast of
Guerrero, Mexico
H = 16 49 45
Kirkland Lake
eP 16 56 40
Shawinigan Falls
eP 16 56 58

JUNE 11
Ottawa
iP_n 19 25 19
eS_n 19 25 36
eL 19 25 44
D = 150 km

JUNE 11
U.S.C.G.S.
Near coast of northern
Peru
H = 22 33 51
Kirkland Lake
eP 22 43 37
Ottawa
eP 22 43 20
Seven Falls
eP 22 43 37 c
P_cP 22 44 46
Shawinigan Falls
eP 22 43 30

JUNE 11
U.S.C.G.S.
50 1/2N, 89E
Southern Siberia
H = 22 54 48
Kirkland Lake
eP 23 07 01
Seven Falls
eP 23 07 01
Shawinigan Falls
eP 23 07 05 d

JUNE 12
U.S.C.G.S.
Assam
H = 03 12 28
Resolute
eP 03 24 49
e 03 26 52
e 03 32 09

JUNE 12
Resolute
e 05 51 21

JUNE 12
U.S.C.G.S.
9S, 110W
Eastern Pacific Ocean
H = 08 54 02
Halifax
eL 09 22
Kirkland Lake
eP 09 04 24
i 09 04 28 c
Ottawa
eP 09 04 28
P_cP 09 05 07
S 09 13 00
S_cS 09 14 18
SS 09 17 00
eL 09 25 10
Resolute
e? 09 04 55
eP 09 06 35
eS 09 17 00
eSS 09 22 13
eL 09 28 37

Seven Falls
eP 09 04 51
eS 09 13 40
SS 09 17 37
eL 09 22
Shawinigan Falls
iP 09 04 42 c
P_cP 09 05 17

JUNE 13
Kirkland Lake
eP 05 41 09

JUNE 13
U.S.C.G.S.
1/2S, 124 1/2E
Near coast of Celebes
H = 12 07 41
h = 200 km
Halifax
eP' 12 26 47
Kirkland Lake
eP' 12 26 31
Ottawa
eP' 12 26 42
Resolute
eP 12 21 12
e 12 24 47
ePP 12 25 30
eSKKS 12 31 54
e(PS) 12 34 31
Shawinigan Falls
eP' 12 26 39
PP 12 29 06
SKS 12 29 58
(sPP) 12 30 14

JUNE 13
U.S.C.G.S.
6S, 147 1/2E
Near coast of New
Guinea
H = 17 10 34
h = 300 km
Kirkland Lake
eP' 17 29 06

Ottawa
eP' 17 29 13
Seven Falls
eP' 17 29 16
Shawinigan Falls
eP' 17 29 14 d

JUNE 13
Ottawa
iP_n 18 28 48
iS_n 18 29 17
i 18 29 20
L 18 29 41
D = 285 km
Seven Falls
e 18 29 22

JUNE 14
U.S.C.G.S.
45N, 150 1/2E
Kurile Isls.
H = 12 12 19
Kirkland Lake
eP 12 24 14 c
Ottawa
eP 12 24 35 c
Resolute
eP 12 21 38 c
i 12 21 38.5 d
eL 12 41 54
Shawinigan Falls
iP 12 24 36 c

JUNE 15
Ottawa
iP_n 00 54 07 d
iS_n 00 54 30
iS_1S_1 00 54 37
D = 215 km
H = 00 53 33
Seven Falls
$i(P_1P_1)$ 00 54 43.5
e 00 54 47.5
S_n 00 55 11.0
e 00 55 18.0
S_1 00 55 35.0
D = 530 km

Shawinigan Falls
eP_n 00 54 17
i 00 54 22
i 00 54 25
e 00 54 46
iS_n 00 54 48
i 00 54 53

JUNE 15
Alberni
iP 01 33 10.7
iS 01 33 31.7
Horseshoe Bay
eP 01 33 (27)
iS 01 34 (03)
Victoria
eP 01 33 33.0
i 01 34 05.0
eS 01 34 09.8

JUNE 15
Resolute
e 07 03 18

JUNE 15
Resolute
e 09 10 11
e 09 14 22
e 09 18 09

JUNE 15
U.S.C.G.S.
Northern Kurile Isl.
H = 13 53 22
Kirkland Lake
eP 14 04 41
Shawinigan Falls
eP 14 05 06 c

JUNE 15
U.S.C.G.S.
About 300 miles south
of Tonga Isl.
H = 15 35 47
h = 200 km

Resolute
e 16 04 13
e 16 07 27
e 16 11 34
e 16 22 45
e 16 31 29

JUNE 15
Shawinigan Falls
eP 19 23 35
i 19 23 41
i 19 23 51

JUNE 16
U.S.C.G.S.
28 1/2N, 131 1/2E
Ryukyu Isls.
H = 06 19 22
Resolute
iP 06 30 54 d
e(PPP) 06 35 26
eS 06 40 24

JUNE 16
Kirkland Lake
eP 12 54 31

JUNE 16
U.S.C.G.S.
Chiapas, Mexico
H = 16 57 37
h = 200 km
Ottawa
eP 17 03 54 c
Shawinigan Falls
eP 17 04 11
Victoria
eP 17 05 06

JUNE 16
U.S.C.G.S.
Kermadec Isl.
Seven Falls
eP' 18 51 13

DOMINION OBSERVATORIES

JUNE 17
U.S.C.G.S.
Kermadec Isl.
H = 03 01 34
h = 200 km
Kirkland Lake
eP' 03 20 01
Resolute
eP' 03 19 59 d
Seven Falls
eP' 03 20 13
Shawinigan Falls
eP' 03 20 10 c

JUNE 18
Kirkland Lake
eP 00 07 49

JUNE 18
Victoria
eP 15 18 24
eS 15 18 52
D = 265 km

JUNE 18
Alberni
eP 18 23 24.2
eS 18 23 50.2
Victoria
eP 18 23 05.6
e 18 23 16.9
D = 93 km

JUNE 19
U.S.C.G.S.
Southern Sumatra
H = 00 19 18
Resolute
eL 01 15 33
Shawinigan Falls
eP' 00 38 27

JUNE 19
Victoria
eP 02 48 10

JUNE 20
U.S.C.G.S.
Pacific Ocean, 650 miles northwest of Easter Island
H = 02 03 58
Kirkland Lake
eP 02 15 59

JUNE 20
U.S.C.G.S.
Tonga Isl.
H = 16 29 42
Resolute
eL 17 24 04

JUNE 20
Victoria
iP 19 54 32.9
iS 19 54 36.2
D = 27 km

JUNE 21
Victoria
iP 00 53 49

JUNE 21
Resolute
e 04 45 24
e 04 52 09

JUNE 23
U.S.C.G.S.
56 1/2N, 163 1/2E
Near east coast of Kamchatka
H = 02 18 02
Halifax
iP 02 29 27 c
e(SSS) 02 46 44
iL 03 03 29
Horseshoe Bay
iP 02 26 03.5 c
eS 02 32 28
eSS 02 35.6
Kirkland Lake
iP 02 28 32 c
i 02 28 40 c
e(S) 02 36 24
eP'P' 02 57 20
Ottawa
iP 02 28 57 c
pP 02 29 22
PP 02 31 32
PPP 02 33 08
S 02 37 49
SS 02 42 12
SSS 02 45 24
Resolute
iP 02 25 36 c
ePP 02 27 17
eS 02 31 45
e(S_cS) 02 35 46
eL 02 45 44
Saskatoon
iP 02 26 57
eS 02 33 48
Seven Falls
eP 02 28 59 c
i 02 29 38
PP 02 31 35
e 02 32 19
S 02 37 53
PPS 02 38 36
S_cS 02 38 57
SS 02 42 24
SSS 02 45 28
L 02 48 55
Shawinigan Falls
iP 02 28 58 c
PP 02 31 34
S 02 37 50
Victoria
iP 02 26 06.5 c
eS 02 32 33
eSS 02 35 59
eL 02 37.6

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NOTE: On June 19 a 22-sec. galvanometer was substituted for the 0.25 sec. galvanometer on the EW Willmore-Watt seismograph at Horseshoe Bay. At the same time the galvanometer connections were adjusted so that "trace-up" corresponds to North and East ground motion, instead of South and West as formerly.

JUNE 23
Resolute
i 04 29 46 d

JUNE 23
Shawinigan Falls
eP 11 28 54 c

JUNE 23
U.S.C.G.S.
6N, 83W
South of Panama
H = 17 59 23
Resolute
eP 18 10 31 c

JUNE 23
Shawinigan Falls
eP 21 02 29 d

JUNE 23
U.S.C.G.S.
21S, 174E
Loyalty Isl. region
H = 23 18 57
Resolute
eL 24 15 59
Seven Falls
eP' 23 37 53 d

JUNE 24
Horseshoe Bay
eP 07 38 18
eS 07 38 46
D = 270 km

JUNE 24
U.S.C.G.S.
Indian Ocean
H = 12 55 02
Kirkland Lake
eP' 13 14 20
e 13 14 26
Ottawa
iP' 13 14 12
Resolute
eP' 13 14 23
e(PP) 13 17 20
eL 14 00 13
Shawinigan Falls
eP' 13 14 09

JUNE 24
U.S.C.G.S.
7S, 155E
Solomon Isls.
H = 20 58 36
Halifax
eP' 21 17 51
Horseshoe Bay
eP 21 11 38
Kirkland Lake
eP' 21 17 26
eL 22 00
Ottawa
iP' 21 17 34 d
SKS 21 24 34
SKKS 21 26 06
PS 21 29 05
PPS 21 30 26
Resolute
ePP 21 16 44
eS 21 23 12
ePS 21 25 48
eL 21 57 34
Seven Falls
SKS 21 24 21
SKKS 21 26 15
PS 21 29 11
PPS 21 30 41
e 21 31 35
SS 21 36 14
e 21 39 14
Shawinigan Falls
eP' 21 17 37
Victoria
eP 21 11 40

JUNE 25
U.S.C.G.S.
Eastern Iran
H = 12 52 07
Resolute
e(P) 13 00 27
eL 13 24 32

JUNE 26
Kirkland Lake
eP 00 04 16

JUNE 26
U.S.C.G.S.
17S, 169 1/2E
New Hebrides Isl.
H = 00 00 13
Halifax
eP' 00 19 17
Horseshoe Bay
iP 00 13 10
Kirkland Lake
eP' 00 18 52 d?
Ottawa
iP' 00 19 06 d
Seven Falls
iP' 00 19 06 c
Shawinigan Falls
eP' 00 19 03 c
Victoria
eP 00 13 09

JUNE 26
U.S.C.G.S.
10S, 173 1/2W
Tokelau Isl. region
H = 11 23 09
Victoria
iP 11 34 47

JUNE 27
Resolute
eP 03 30 35

JUNE 27
Ottawa
iP_n 17 53 01
iS_n 17 53 18
eL 17 53 26
D = 150 km

JUNE 27
U.S.C.G.S.
23N, 121E
Southern Formosa
H = 18 57 30
Resolute
iP 19 09 43 d
eL 19 40 21

JUNE 27
Halifax
eP 22 33 51

JUNE 28
U.S.C.G.S.
15 1/2S, 178W
Fiji Isls.
H = 03 54 20
Resolute
eL 04 39 32

JUNE 28
Resolute
eP 10 35 14

JUNE 28
U.S.C.G.S.
48 3/4N, 129 1/4W
Off coast of
Vancouver Isl.
H = 22 58 50
Alberni
iP 22 59 36.6
iS 23 00 10.9
Halifax
No time signal
iP 23 07.1
eP_cP 23 08.6
eS_cS 23 16.6
iL 23 22.3
Horseshoe Bay
iP 22 59 51.0
Kirkland Lake
eP 23 05 21 c
e(S) 23 11 05
e 23 12 15
Ottawa
iP 23 05 54 d
i 23 06 09
i 23 06 20
PP 23 07 09
PPP 23 07 30
P_cP 23 08 32
S 23 11 27
SS 23 13 36
L 23 15 50
Resolute
iP 23 04.8 d
eS 23 09.8
eL 23 14.3
Saskatoon
eP 23 02 21
eS 23 05 07
eSS 23 05 23
L 23 18 21
Seven Falls
eP 23 06 14 d
i 23 06 32
e 23 07 09
PP 23 07 42
i 23 08 16
P_cP 23 08 49
e 23 08 59
S 23 12 04
SS 23 14 35
e 23 15 47
S_cS 23 16 47
eL 23 17 44
Shawinigan Falls
eP 23 06 06 c
P_cP 23 08 43
S 23 12 18
Victoria
iP 22 59 48.7 c
iL 23 00 59
D = 435 km

JUNE 28
U.S.C.G.S.
Vancouver Isl.
aftershock
H = 23 16 50
Alberni
iP 23 17 36.3
i 23 17 37.3
iS 23 18 12.0
Horseshoe Bay
eP 23 17 51.1
Ottawa
eP 23 23 57 d
Seven Falls
eP 23 24 18 c
Victoria
iP 23 17 53.6
D = 435 km

JUNE 28
Alberni
iP 23 31 05.6
iS 23 31 39.6
Horseshoe Bay
eP 23 31 09.3
Vancouver Isl.
aftershock?

JUNE 29
U.S.C.G.S.
28N, 57E
Southern Iran
H = 02 18 28
Shawinigan Falls
iP 02 31 47 d

JUNE 29
U.S.C.G.S.
26N, 122E
Formosa
H = 02 22 00
Horseshoe Bay
iP 02 34 38
Resolute
eP 02 33 51 c
i 02 33 52 d
eS 02 43 38
eL 03 04 55

JUNE 29
U.S.C.G.S.
37N, 139 1/2E
Honshu, Japan
H = 04 09 54
Kirkland Lake
eP 04 22 44 c
Ottawa
iP 04 23 02 c
Resolute
eP 04 20 18 c
i 04 20 19 d
eL 04 51 07
Shawinigan Falls
eP 04 23 02

JUNE 29
Horseshoe Bay
eP 09 13 16
eS 09 14 06
D = 505 km
Vancouver Isl.
aftershock?

JUNE 29
Horseshoe Bay
iP 09 45 37
iS 09 46 26
D = 505 km
Vancouver Isl.
aftershock?

JUNE 29
U.S.C.G.S.
14N, 121E
Near Luzon, P.I.
H = 17 43 26
Resolute
eP 17 56 43
eL 18 30 52

JUNE 29
Horseshoe Bay
iP 19 49 11.8

JUNE 29
U.S.C.G.S.
13 1/2N, 97W
Off coast of Oaxaca,
Mexico
H = 22 36 17
Kirkland Lake
eP 22 42 33 c?
Ottawa
eP 22 43 28 c
Resolute
eP 22 46 35 c
eL 23 08 31

JUNE 30
U.S.C.G.S.
44N, 29E
Black Sea near coast
of Romania
H = 01 50 20
Shawinigan Falls
eP 02 01 23

JUNE 30
U.S.C.G.S.
Northeastern Iran
H = 11 37 06
Kirkland Lake
eP 11 50 02
Resolute
eP 11 48.0

JUNE 30
Ottawa
iP_n 12 53 49
i 12 53 51
eS_n 12 54 06
eL 12 54 14

JUNE 30
U.S.C.G.S.
33 1/2S, 103W
Easter Isl. region
H = 13 09 47
Kirkland Lake
eP 13 22 13
Resolute
eL 14 00.6

JUNE 30
U.S.C.G.S.
22 1/2S, 69W
Northern Chile
H = 14 17 09
h = 200 km
Halifax
eP 14 27.7
No time corrections
Kirkland Lake
eP 14 28 06 c?
Ottawa
eP 14 27 48 c
Seven Falls
eP 14 27 57
eS 14 36 57
Shawinigan Falls
eP 14 27 53 c
Victoria
eP 14 29 28

DOMINION OBSERVATORIES

JUNE 30
Horseshoe Bay
eP 18 06 50
Victoria
eP 18 06 57
Local shock

JUNE 30
Horseshoe Bay
iP 18 32 51.1
iS 18 33 37.0
Victoria
eP 18 32 58
Local shock

EDMOND CLOUTIER, C.M.G., O.A., D.S.P.
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1957

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Dominion Observatory, Department of Mines and Technical Surveys, Ottawa

Notes

1. The Benioff seismograph at Seven Falls was out of operation from August 9 to September 19.

2. Time signals at Seven Falls were unsatisfactory from September 15 to September 30.

3. There were no time signals at Shawinigan Falls from July 19 to August 15 and no minute marks from August 28 to September 18.

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JULY - SEPTEMBER

JULY 2
U.S.C.G.S.
8S, 124E
Sawoe Sea
H = 14 26 35
Kirkland Lake
e(SKP) 14 49 17
Ottawa
e(SKP) 14 49 29
Seven Falls
e(SKP) 14 49 29
Shawinigan Falls
eP' 14 46 07 d
i 14 46 31
i 14 47 06
eSKP 14 49 26

JULY 3
U.S.C.G.S.
Colombia-Venezula border
H = 00 31 29
Kirkland Lake
eP 00 39 12
Ottawa
iP 00 38 47 d
Resolute
e 00 57 37
Shawinigan Falls
eP 00 38 56 d

JULY 3
U.S.C.G.S.
13 1/2N, 91W
Near coast of Guatemala
H = 15 46 41
Horseshoe Bay
eP 15 54 54
Kirkland Lake
eP 15 53 38
eL 16 07
Ottawa
eP 15 53 27
eS 15 59 02
eSS 16 01 24
Resolute
eP 15 56 53 c
e(PPP) 16 00 50
eS 16 05.4
Shawinigan Falls
eP 15 53 45
Victoria
eP 15 54 51 c?

JULY 3
Kirkland Lake
eP 22 00 49

JULY 3
U.S.C.G.S.
36 1/2N, 71E
Hindu Kush
H = 23 26 17
h = 250 km
Kirkland Lake
eP 23 39 01 d
Ottawa
eP 23 39 07 d
Resolute
eP 23 36 56 c
i 23 36 57 d
epP 23 37 50
epPP 23 40 37
eS 23 45 36
esS 23 47 14
eSS 23 50 11
Seven Falls
eP 23 38 52 d
Shawinigan Falls
iP 23 38 59 d

JULY 4
U.S.C.G.S.
18S, 178 1/2W
Fiji Isl.
H = 00 39 55
h = 450 km
Horseshoe Bay
iP 00 51 37
Kirkland Lake
e? 00 57 34
e 01 00 52
Ottawa
eP' 00 57 40
(pPP) 01 00 40
Shawinigan Falls
eP' 00 57 44

JULY 4
U.S.C.G.S.
7S, 155 1/2E
Solomon Isl.
H = 03 04 14
Kirkland Lake
eL 04 05
Ottawa
eP' 03 23 09
Resolute
eS 03 28 26
ePS 03 31 25
e 03 57 40
Shawinigan Falls
eP' 03 23 14

JULY 4
U.S.C.G.S.
Solomon Isl. aftershock
H = 03 42 50
Kirkland Lake
eL 04 43
Ottawa
eP' 04 01 44 d
Shawinigan Falls
eP' 04 01 47

JULY 4
U.S.C.G.S.
Solomon Isl. aftershock
H = 07 19 09
Resolute
ePS 07 46 25
e 07 50 33
e(SSS) 07 55 52

DOMINION OBSERVATORIES

Ottawa
eP' 07 38 04
Shawinigan Falls
eP' 07 38 06

JULY 4
U.S.C.G.S.
31S, 71W
Central Chile
H = 11 08 28
Kirkland Lake
eP 11 20 36 d
e 11 20 53 c
Ottawa
eP 11 20 20
i 11 20 37 d
Seven Falls
eP 11 20 29 d
i 11 20 46 d
Shawinigan Falls
eP 11 20 26 d
e 11 20 42 d
e 11 20 51 d

JULY 4
Kirkland Lake
eP 17 33 12

JULY 5
U.S.C.G.S.
Near east coast of Kamchatka
H = 05 54 35
Resolute
eP 06 02 15
eL 06 17.2

JULY 5
U.S.C.G.S.
43 1/2N, 140E
Off coast of Hokkaido, Japan
H = 08 16 47
h = 100 km
Ottawa
eP 08 29 19 d

JULY 5
U.S.C.G.S.
63 1/2N, 151 1/2W
Alaska
H = 13 01 05
Kirkland Lake
eP 13 08 46
Ottawa
eP 13 09 19
Resolute
eP 13 06 00 d
eS 13 09 46
e 13 13 17
e 13 13 55
Seven Falls
eP 13 09 25 d
Shawinigan Falls
iP 13 09 22 d

JULY 5
Resolute
eP 16 58 49

JULY 6
U.S.C.G.S.
42 1/2N, 126W
Off coast of Oregon
H = 02 22 00
Horseshoe Bay
iP 02 23 51.5
iS 02 25 11.9
Kirkland Lake
eP 02 28 35
Ottawa
eP 02 29 05 c
eS 02 34 52
SS 02 37 40
eL 02 39 44
Resolute
eP 02 28 58
ePP 02 30 13
eS 02 34 32
eL 02 40 02
Saskatoon
eP 02 26 02
iS 02 29 15
e 02 31.0
Seven Falls
iP 02 29 29 d
i 02 29 35
PP 02 31 00
S 02 35 22
e 02 35 48
eL 02 40 32
Shawinigan Falls
iP 02 29 19 c
epP 02 29 44
PP 02 30 48
e 02 31 07
Victoria
iP 02 23 38.4
iS 02 24 49.8
eL 02 25 28

JULY 6
U.S.C.G.S.
23S, 70W
Northern Chile
H = 13 32 25
h = 60 km
Halifax
e 13 43 28
Kirkland Lake
eP 13 43 37
Shawinigan Falls
eP 13 43 26

JULY 7
Resolute
e 16 58 49

JULY 8
Horseshoe Bay
eP 02 03 20 d?
Victoria
eP 02 03 02

JULY 8
U.S.C.G.S.
0, 126 1/2E
Molucca Passage
H = 06 01 56
h = 60 km

SEISMOLOGICAL BULLETIN - 1956

Kirkland Lake
eP' 06 20 59
Ottawa
eP' 06 21 07
Shawinigan Falls
eP' 06 21 07

JULY 8
U.S.C.G.S.
New Hebrides region
H = 20 29 52
Shawinigan Falls
iP' 20 48 41 d

JULY 9
U.S.C.G.S.
37N, 26E
Aegean Sea
H = 03 11 39
Halifax
iP 03 22 (25) c
Horseshoe Bay
eP 03 24 41 d
Kirkland Lake
eP 03 23 10 c
ePP 03 25 59
e 03 26 30
e 03 27 48
eS 03 32 44
Ottawa
eP 03 23 06 c
i 03 23 52
i 03 25 08
PP 03 25 38
i 03 27 10
PPP 03 27 30
i 03 29 04
eS 03 32 28
e 03 33 08
e 03 34 02
SS 03 37 10
SSS 03 40 44
Resolute
eP 03 22 00
i 03 22 04 d
ePP 03 24 49
eS 03 30 26
Saskatoon
eP 03 24 11
Seven Falls
eP 03 22 43 c
i 03 23 38
i 03 24 24
i 03 24 40
PP 03 25 19
sPP 03 25 58
e 03 28 21
eS 03 31 47
S_cS 03 32 48
e 03 33 52
e 03 34 48
SS 03 36 30
SSS 03 39 38
Shawinigan Falls
eP 03 22 51 c
i 03 23 40
e 03 24 07
i 03 24 58
PP 03 25 41
e 03 26 07
e 03 28 05
eS 03 32 00
S_cS 03 32 53
SS 03 36 21
Victoria
eP 03 24 48
iS 03 35 23
ePS 03 37 04
eSS 03 42.0
eSSS 03 50.7

JULY 9
U.S.C.G.S.
Aegean Sea aftershock
H = 03 24 05
Halifax
iP 03 34 (46) c
Horseshoe Bay
eP 03 37 04
Kirkland Lake
eP 03 35 34 c?
Ottawa
iP 03 35 27 c
Resolute
iP 03 34 38 c
Seven Falls
iP 03 35 03 c
Shawinigan Falls
iP 03 35 12 d
i 03 36 03

JULY 9
Halifax
i 04 25 (57) c

JULY 9
U.S.C.G.S.
Aegean Sea aftershock
H = 04 33 22
Halifax
e 04 44 01
Seven Falls
eP 04 44 27
Shawinigan Falls
eP 04 44 36 d

JULY 9
Kirkland Lake
eP 05 54 04
Resolute
eP 05 56 02

JULY 9
U.S.C.G.S.
Aegean Sea aftershock
H = 06 22 49
Halifax
iP 06 29 (52) d
Kirkland Lake
eP 06 30 41
Ottawa
eP 06 30 34
Resolute
eP 06 29 30
Seven Falls
eP 06 30 10 c
Shawinigan Falls
iP 06 30 19 d
Victoria
eP 06 35 51

JULY 9
U.S.C.G.S.
37N, 25 1/2E
Aegean Sea aftershock
H = 06 22 49
Kirkland Lake
eP 06 34 18
Ottawa
eP 06 34 13 d
Resolute
iP 06 33 11 c
Seven Falls
iP 06 33 49 c
Shawinigan Falls
iP 06 33 59 d

JULY 9
Shawinigan Falls
eP 07 47 37

JULY 9
U.S.C.G.S.
20N, 73W
Near coast of Haiti
H = 09 56 13
h = 100 km
Halifax
iP 10 01 (44)
iS 10 06 (28)
iSS 10 08 (20)
Horseshoe Bay
iP 10 04 58
Kirkland Lake
iP! 10 02 07 d
i 10 02 19 c
i 10 02 30 c
Ottawa
iP 10 01 38 d
PP 10 02 26
eS 10 06 17
i 10 06 24
i 10 06 40
SS 10 07 18
SSS 10 07 40
Resolute
iP 10 05 46 d
e(PPP) 10 07 39
eS 10 13 35
eL 10 19 52
Saskatoon
eP 10 04 01
Seven Falls
eP 10 01 54 d
i 10 03 26 c
e 10 03 43
i 10 04 35
eS 10 07 06
i 10 07 20
eL 10 09 37
Shawinigan Falls
iP 10 01 49 d
PP 10 02 31
PPP 10 02 44
e 10 06 36
SS 10 07 23
Victoria
eP 10 04 56 d
eS 10 12 20
e 10 21.4

JULY 9
Ottawa
i 10 22 08
Seven Falls
eP 10 24 08
Shawinigan Falls
eP 10 22 55 c
i 10 23 14
i 10 24 02

JULY 9
Kirkland Lake
eP 20 09 07

JULY 9
U.S.C.G.S.
Aegean Sea aftershock
H = 20 10 25
Ottawa
eP 20 21 56 c
Shawinigan Falls
eP 20 21 42 c

JULY 9
U.S.C.G.S.
Aegean Sea aftershock
H = 20 13 56
Kirkland Lake
eP 20 25 28
Ottawa
eP 20 25 25
Resolute
eP 20 24 19
eS 20 33 24
Seven Falls
eP 20 25 00
Shawinigan Falls
eP 20 25 06 d
i 20 25 10

JULY 9
U.S.C.G.S.
Aegean Sea aftershock
H = 21 28 42
Kirkland Lake
eP 21 40 12
Ottawa
eP 21 40 08 c
Shawinigan Falls
eP 21 39 54 d

JULY 10
U.S.C.G.S.
Aegean Sea aftershock
H = 03 01 27
Kirkland Lake
eP 03 12 57 c
Ottawa
eP 03 12 53 c
Resolute
eP 03 11 49
eS 03 20
Seven Falls
eP 03 12 30 c
Shawinigan Falls
iP 03 12 39 c

JULY 10
Kirkland Lake
eP 05 26 19

Seven Falls
iP 05 26 47 c

JULY 10
U.S.C.G.S.
Marshall Isl.
H = 17 56 03
Horseshoe Bay
iP 18 07 09
Resolute
iP 18 08 17 c

JULY 12
Ottawa
eP 02 57 26 d

JULY 12
Ottawa
iP_1 11 02 26
S_1 11 02 35
L 11 02 38
D = 70 km

JULY 12
U.S.C.G.S.
23N, 94 1/2E
Central Burma
H = 15 01 26
h = 100 km
Kirkland Lake
eP' 15 20 21
Ottawa
eP' 15 20 30
Resolute
iP 15 13 44 c
eS 15 23 55
eSS 15 29 11
Seven Falls
eP' 15 20 16
Shawinigan Falls
eP' 15 20 27

JULY 12
Horseshoe Bay
e 17 44.9
Resolute
e 17 14 04

JULY 13
Ottawa
iP_1 09 33 51.0
S_1 09 33 59.5
eL 09 34 03.0
D = 70 km

JULY 13
U.S.C.G.S.
27S, 70W
Northern Chile
H = 13 36 03
h = 100 km
Kirkland Lake
eP 13 47 40 d
e 13 48 03
epP 13 48 11 c
Ottawa
iP 13 47 22
pP 13 47 45
i 13 47 54
PP 13 50 25
S 13 56 42
PS 13 57 20
Resolute
e? 13 52 03
eSKS 14 00 25
Seven Falls
iP 13 47 33 d
pP 13 47 56
i 13 48 05
S 13 57 01
S_cS 13 57 46
Shawinigan Falls
iP 13 47 28 d
pP 13 47 53
i 13 48 00
Victoria
eP 13 48 51

JULY 13
Halifax
iP_n 13 37 31 d
S_n 13 37 51

JULY 14
U.S.C.G.S.
Near coast of Guerrero,
Mexico
H = 03 38 27
Ottawa
eP 03 45 27
Resolute
iP 03 48 22 d
Shawinigan Falls
eP 03 45 48

JULY 14
Resolute
e 04 07 39
e 04 08 45
e 04 12 57

JULY 14
U.S.C.G.S.
17N, 45 1/2W
North Atlantic ocean
H = 17 09 30
Kirkland Lake
eP 17 17 29
Resolute
eP 17 20 04
Shawinigan Falls
eP 17 16 48

JULY 14
U.S.C.G.S.
20N, 121 1/2E
Off north coast of
Luzon, P.I.
H = 22 05 41
Resolute
eP 22 18 12

DOMINION OBSERVATORIES

JULY 15
U.S.C.G.S.
44N, 127 1/2W
Off coast of Oregon
H = 01 55 09
Banff
iP No time correction
Horseshoe Bay
eP 01 56 47.8
eS 01 58 00
Resolute
eL 02 11 10
Victoria
iP 01 56 36.2 c
eS 01 57 41.6
e 01 58 36

JULY 15
Resolute
eP 06 31 25

JULY 15
Resolute
iP 10 13 31 c

JULY 15
U.S.C.G.S.
28N, 139E
Bonin Isl. region
H = 12 52 16
h = 500 km
Ottawa
eP' 13 09 29
Resolute
eP 13 02 53
eS 13 11 32
Victoria
iP 13 03 07

JULY 15
U.S.C.G.S.
42N, 142E
Off coast of northern
Honshu, Japan
H = 18 39 33
h = 100 km
Ottawa
iP 18 52 08 d
Resolute
eP 18 49 14
Victoria
iP 18 49 50 c

JULY 16
U.S.C.G.S.
Near east coast of
Honshu, Japan
H = 06 27 43
Ottawa
eP 06 40 54 d

JULY 16
U.S.C.G.S.
55 1/2N, 161 1/2E
Near east of coast of
Kamchatka
H = 09 24 38
Horseshoe Bay
iP 09 32 48 c
Kirkland Lake
eP 09 35 14
Ottawa
iP 09 35 40 d
Shawinigan Falls
eP 09 36 05
Victoria
eP 09 32 52 c?

JULY 16
Halifax
iP 15 03 19

JULY 16
U.S.C.G.S.
22N, 95 1/2E
Central Burma
H = 15 07 10
Halifax
e 15 30
Kirkland Lake
e(PP) 15 26 06
e 15 36 40
Ottawa
ePP 15 26 29
e 15 28 06
e 15 30 26
SKS 15 32 29
SKKS 15 33 24
PS 15 36 10
PPS 15 37 06
e 15 41 19
SS 15 42 00
e 15 43 14
SSS 15 46 18
Resolute
iP 15 19 30 d
ePP 15 22 48
e(PPP) 15 24 44
eS 15 29 56
eSS 15 35 23
eL 15 51 14
Saskatoon
e 15 31 48
Seven Falls
ePP 15 26 14
PPP 15 28 21
SKS 15 31 55
S 15 33 51
PS 15 34 57
PPS 15 36 08
e 15 40 03
SS 15 41 28
e 15 43 03
SSS 15 45 48
e 15 49 04
Shawinigan Falls
ePP 15 26 13
Victoria
eP 15 21 08
e 15 25 12

JULY 16
Kirkland Lake
eP 18 49 02

JULY 16
Resolute
eP 19 22 43

JULY 16
Resolute
eP 21 04 37 d

JULY 16
U.S.C.G.S.
52N, 178 1/2W
Andreanof Isl.,
Aleutians
H = 21 34 03
Horseshoe Bay
iP 21 40 53 c
i(P_cP) 21 43 28
Kirkland Lake
eP 21 44 00
Ottawa
eP 21 44 28 c
Resolute
eP 21 41 26
e(PPP) 21 43 27
e 21 45 49
eL 21 50 30
Shawinigan Falls
iP 21 44 31 d
P_cP 21 45 09
Victoria
iP 21 40 56 c
i(P_cP) 21 43 29
eS 21 46 23

JULY 17
U.S.C.G.S.
Marianas Islands
H = 04 36 02
Horseshoe Bay
iP 04 48 09 c

JULY 17
U.S.C.G.S.
7S, 126 1/2E
Banda Sea
H = 07 34 07
h = 450 km
Banff
No time correction d?

Halifax
iP' 07 52 46 d
epP' 07 54 40
iSKP 07 55 44 d
i 08 13 48 N
Horseshoe Bay
eP 07 47 47
i 07 51 48
i 07 52 23
i 07 54 43
Kirkland Lake
eP' 07 52 22
i 07 52 36 d
epP' 07 54 22 c
eSKP 07 55 18 c
i 07 55 20 c
i! 07 55 21 d
epPKS 07 57 45
esPKS 07 58 36
eSKS 07 59 08
eL 07 06
Ottawa
iP' 07 52 32 c
i 07 52 43
pP' 07 54 30
SKP 07 55 31
PKS 07 56 20
pPP 07 57 04
pPKS 07 58 02
sPKS 07 58 24
PPP 07 58 42
SKS 07 59 06
e 08 01 38
SKSP 08 04 37
e 08 04 50
SPP 08 07 02
PPS 08 08 00
sSS 08 16 20
Resolute
eP 07 47 40
i 07 47 45 d
e 07 51 51
iP' 07 51 48
eSKS 07 57 35
eSP 08 00 42
Saskatoon
i 07 53 26
e 07 58 10
i 07 59 36
e 08 02.3
Seven Falls
eP' 07 52 32 c
i 07 52 44
pP' 07 54 27
SKP 07 55 32
PKS 07 56 21
pPKS 07 58 03
PPP 07 58 41
SKS 07 58 56
SKKS 08 01 12
SKSP 08 04 55
SPP 08 07 00
PPS 08 08 16
SS 08 13 09
Shawinigan Falls
eP' 07 52 33 c
i 07 52 44
pP' 07 54 30
SKP 07 55 31
PKS 07 56 18
pPP 07 57 31
pPKS 07 58 03
SPP 07 58 16
SKS 07 59 13
SKSP 08 04 20
Victoria
eP 07 47 47
i 07 51 50
e 07 52 15
e 07 53 43
iS 08 00 53

JULY 17
Victoria
eP 07 55 16

JULY 17
Resolute
iP 10 46 11 d

JULY 17
U.S.C.G.S.
41N, 27W
Azores region
H = 15 19 38
Seven Falls
eP 15 26 06 d

JULY 17
U.S.C.G.S.
Marianas Isl.
aftershock
H = 17 05 07
Horseshoe Bay
iP 17 17 13 d

JULY 17
Resolute
e 23 03 50
e 23 07 52

JULY 18
U.S.C.G.S.
5S, 151E
New Britain
H = 00 27 27
Horseshoe Bay
eP 00 40 34
Kirkland Lake
eP' 00 46 18
e 00 56 36
Ottawa
iP' 00 46 26 d
Resolute
e 00 48 05
e 00 50 35
Seven Falls
iP' 00 46 29 d
Shawinigan Falls
iP' 00 46 29 d

JULY 18
U.S.C.G.S.
5S, 130E
Banda Sea
H = 06 19 15
Halifax
eP' 06 38 37
PKS 06 41 43
e 06 42.5
Horseshoe Bay
eP 06 33 26
i 06 33 31
ePP 06 37 42
Kirkland Lake
eP' 06 38 27 c
i 06 38 34 d
ePP 06 41 08
e 06 41 42 c
ePKS 06 42 24
e 06 44 15
Ottawa
eP' 06 38 21
i 06 38 37
ePKS 06 41 40
i 06 41 50
e 06 42 38
PPP 06 44 03
SKS 06 45 40
e 06 50 38
PPS 06 53 04
e 06 56 20
SS 06 59 06
SSS 07 04 00
Resolute
iP 06 33 30 d
ePP 06 37 48
eSKS 06 44 00
eS 06 45 36
e 06 46 01
e 06 46 24
Saskatoon
eP 06 38 22 NW
i 06 45 40
Seven Falls
eP' 06 38 25
i 06 38 40
i 06 39 22
PP 06 41 24
PKS 06 41 56
pPKS 06 42 17
sPKS 06 42 32
e 06 43 20
PPP 06 43 56
e 06 44 13
SKKS 06 47 48
S 06 49 08
PPS 06 53 11
SS 06 58 33
SSS 07 03 51
Shawinigan Falls
eP' 06 38 29 c
i 06 38 42
i 06 39 33
PP 06 40 18
e 06 41 14
PKS 16 41 55
i 06 42 24
PPP 06 43 03
e 06 44 39
SKS 06 45 25
PS 06 50 41
Victoria
eP 06 33 26 d
i 06 33 31
PP 06 37 47
iS 06 43 52
iPS 06 46 04

JULY 18
Alberni
iP 16 26 04.1
iS 16 26 12.0
Horseshoe Bay
iP 16 26 02.4
iS 16 26 10.6
Victoria
iP 16 26 10.4
iS 16 26 18.5
D = 90 km

JULY 18
Kirkland Lake
eP 18 29 02

JULY 19
Alberni
iP 19 07 31.6
i 19 07 37.3
iS 19 07 42.8
D = 92 km

JULY 19
NOTE: Beginning on July 19 and continuing until August 14 the station at Shawinigan Falls was without time signals due to radio failure.

JULY 19
Resolute
e(P) 01 08 14
i(P) 01 08 27 d
i 01 13 41
i 01 14 01

JULY 19
Kirkland Lake
eP 18 50 24

JULY 19
U.S.C.G.S.
15N, 120 1/2E
Near west coast of
Luzon, P.I.
H = 20 40 54
Resolute
eP 20 53 44
i 20 53 45 d
eS 21 04 08
Shawinigan Falls
eP' 20 59 (41)

JULY 19
U.S.C.G.S.
9 1/2N, 84 1/2W
Near coast of
Costa Rica
H = 23 26 25
Halifax
eP 23 33 59
Horseshoe Bay
eP 23 35 28
Kirkland Lake
eP 23 33 51 d?
e 23 42 57
Ottawa
iP 23 33 34 d
pP 23 24 14
sP 23 34 34
PP 23 35 01
S 23 39 16
e 23 41 06
SSS 23 42 04
Resolute
iP 23 37 09 c
eS 23 45 46
eSS 23 49 33
eL 23 56 47
Seven Falls
eP 23 33 56 d
PP 23 35 42
e 23 42 19
Shawinigan Falls
eP 23 33 (47) d
pP 23 34 (18)
PP 23 35 (24)
eS 23 39 (43)
Victoria
iP 23 35 30 c
i(P_cP) 23 36 47 c?

JULY 19
U.S.C.G.S.
Costa Rica aftershock
H = 23 38 04
Kirkland Lake
eP 23 45 28
Ottawa
eP 23 45 11
e 23 45 19
pP 23 45 51
Seven Falls
eP 23 45 36
Shawinigan Falls
eP 23 45 (23)

JULY 20
Ottawa
iP 04 43 46 c

JULY 20
U.S.C.G.S.
20S, 70W
Northern Chile
H = 07 39 10
Kirkland Lake
eP 07 50 08
Ottawa
eP 07 49 49
eS 07 58 37
Seven Falls
iP 07 49 58
i 07 50 54
Shawinigan Falls
eP 07 49 (55)
i 07 50 (51)

JULY 20
Alberni
eP 13 40 10.2
eS 13 40 38.6
Horseshoe Bay
iP 13 40 02.7
iS 13 40 24.9
Victoria
iP 13 39 51.8
iS 13 40 05.9
iS 13 40 09.6

JULY 20
U.S.C.G.S.
Marshall Islands
H = 17 45 59
Kirkland Lake
e(PP) 18 04 42
Ottawa
e(PP) 18 04 39
Seven Falls
e 18 04 13
e(PP) 18 04 43
Shawinigan Falls
e(PP) 18 04 (46)

DOMINION OBSERVATORIES

JULY 20
Kirkland Lake
eP 23 13 32
Shawinigan Falls
eP 23 13 (40)

JULY 21
U.S.C.G.S.
1N, 26W
Mid-Atlantic ocean
H = 00 08 31
Halifax
eP 00 18 04
Kirkland Lake
eP 00 19 20
Ottawa
iP 00 18 57 d
eS 00 27 20
Resolute
iP 00 21 05 d
Seven Falls
eP 00 18 42
Shawinigan Falls
eP 00 18 (48) c

JULY 21
Horseshoe Bay
i 11 37 29
i 11 37 57

JULY 21
U.S.C.G.S.
50 1/2N, 147 1/2E
Sea of Okhotsk
H = 14 51 06
h = 600 km
Halifax
eP 15 02 27
Horseshoe Bay
iP 14 59 38 c
Kirkland Lake
iP 15 01 41 c
Ottawa
iP 15 02 02 c
ePP 15 04 16
Resolute
iP 14 58 59 c
eS 15 05 15
Shawinigan Falls
iP 15 02 (01) c
PP 15 04 (16)
Victoria
iP 14 59 27 c

JULY 21
U.S.C.G.S.
22 1/2S, 172 1/2E
Loyalty Islands region
H = 15 21 20
Shawinigan Falls
eP' 15 40 (22)

JULY 21
U.S.C.G.S.
23N, 70E
Western India
H = 15 32 25
Halifax
iP 15 45 20 c
ePP 15 50 17
Kirkland Lake
ePP 15 50 42
Ottawa
ePP 15 50 54
SKS 15 57 10
S 15 58 12
PS 16 00 12
PPS 16 01 06
SS 16 05 50
Resolute
iP 15 44 47 c
eS 15 54 47
Seven Falls
ePS 15 59 44
PPS 16 00 27
SS 16 04 57
Shawinigan Falls
eP 15 46 (27) c
PP 15 50 (32)
Victoria
e(P) 15 41 39

JULY 21
Kirkland Lake
eP 20 31 55

JULY 22
U.S.C.G.S.
Aegean Sea aftershock
H = 03 28 59
Kirkland Lake
eP 03 40 29
Ottawa
eP 03 40 26 d
Shawinigan Falls
eP 03 40 (11) d

JULY 22
U.S.C.G.S.
19S, 69W
Northern Chile
H = 09 25 08
h = 100 km
Halifax
iP 09 35 34 d
ipP 09 35 59 d
Kirkland Lake
eP 09 35 59 c
epP 09 36 24 c?
e 09 36 34
e 09 36 41
Ottawa
iP 09 35 39 c
e 09 35 52
ipP 09 36 03
i 09 36 44
eS 09 44 08
eS_cS 09 45 24
e 09 46 09
Resolute
e 09 48 29
eSKS 09 48 49
Shawinigan Falls
eP 09 35 (44) c
pP 09 36 (09)
i 09 36 (19)
e 09 36 (46)
Victoria
eP 09 37 26 c
e 09 37 53

JULY 22
Alberni
eP 20 52 57.2
eS 20 53 26.2
Horseshoe Bay
iP 20 52 50.8 c
iS 20 53 12.9
Victoria
eP 20 52 39.2 d
iP 20 52 40.0
iS_n 20 52 53.4
iS 20 52 57.6

JULY 23
Resolute
e 07 08 51
e 07 17 25
e 07 47 21

JULY 23
Horseshoe Bay
e(P) 07 53 06

JULY 23
U.S.C.G.S.
36 1/2N, 122W
California
H = 08 03 51
Horseshoe Bay
eP 08 07 03
Kirkland Lake
eP 08 10 24

JULY 23
U.S.C.G.S.
24S, 112W
Easter Isl. region
H = 19 25 58
Kirkland Lake
eP 19 37 57 c
e 19 38 03 c
i 19 38 09 c
Ottawa
eP 19 37 54
e 19 44 02
S 19 47 42
PPS 19 49 02
e 19 50 20
SS 19 52 46
Seven Falls
eP 19 38 13 d
iS 19 48 18
SS 19 46 48
Shawinigan Falls
eP 19 38 (05)
iP_cP 19 38 (16)
e 19 40 (23)
e 19 40 (50)
PP 19 41 (13)
PPP 19 43 (09)
e 19 44 (14)
Victoria
eP 19 37 32
eS 19 46 02
e 2 00.3

JULY 23
U.S.C.G.S.
6S, 148E
Near north coast of
New Guinea
H = 21 56 56
Kirkland Lake
eP' 22 16 21
Ottawa
eP' 22 16 29 d
Shawinigan Falls
eP' 22 16 (27)

JULY 23
Shawinigan Falls
eP 07 29 (11)
e 07 30 (48)
i 07 33 (06)

JULY 24
U.S.C.G.S.
30 1/2N, 139E
South of Honshu,
Japan
H = 13 00 18
h = 500 km
Resolute
iP 13 10 40 c
Victoria
iP 13 11 01 c

JULY 24
Resolute
e(P) 15 58 38
e 16 04 08

JULY 24
U.S.C.G.S.
1N, 126 1/2E
Molucca Passage
H = 18 56 32
Kirkland Lake
eP' 19 15 39
Ottawa
eP' 19 15 47 d
Resolute
ePP 19 14 30
eS 19 21 25
Seven Falls
eP' 19 15 45
Shawinigan Falls
eP' 19 15 (47)

JULY 25
Alberni
iP 02 13 39.4
iS 02 13 58.4
Horseshoe Bay
iP 02 13 20.8 d
i 02 13 23.6
iS 02 13 31.2
Victoria
iP 02 13 23.9
iS 02 13 36.4

Ottawa
eP 20 34 10
eS 20 38 48
eSS 20 40 08
e 20 41 08
eL 20 43 04
Resolute
eL 20 51 55
Seven Falls
eP 20 34 26
Shawinigan Falls
eP 20 34 (26)

AUGUST 2
U.S.C.G.S.
5N, 75 1/2W
Central Colombia
H = 07 11 20
h = 200 km
Kirkland Lake
eP 07 19 09 d?
Ottawa
eP 07 18 46 d
e 07 19 29
ePP 07 20 21
Seven Falls
eP 07 19 03 c
Shawinigan Falls
iP 07 19 (04) d

AUGUST 2
U.S.C.G.S.
43 1/2N, 146E
Off coast of Hokkaido, Japan
H = 07 18 15
h = 60 km
Horseshoe Bay
iP 07 28 (07) c?
Kirkland Lake
eP 07 30 20
Ottawa
iP 07 30 40 c
Resolute
iP 07 27 45 d
ePP 07 28 43
Seven Falls
eP 07 30 40
Shawinigan Falls
eP 07 30 (48) c
Victoria
iP 07 28 14 c?

AUGUST 2
Resolute
e 18 18 04
e 18 50 17

AUGUST 2
Resolute
e 20 27 40
e 20 54 40

AUGUST 3
Horseshoe Bay
iP 07 41 43 d

AUGUST 3
Halifax
iP_n 12 52 52 c
i 12 53 22 c
i 12 54 17 c
i 12 54 41 c
Kirkland Lake
e 12 54 20
e 12 56 01
$e(S_1)$ 12 56 26
Ottawa
iP_n 12 54 59
S_n 12 55 28
S_1S_1 12 55 42
D = 295 km
Seven Falls
e 12 54 19
e 12 53 46
e 12 53 55
Shawinigan Falls
i 12 53 (51)
e 12 54 (21)
e 12 54 (33)
e 12 54 (43)
e 12 54 (59)
e 12 55 (04)

AUGUST 3
Ottawa
iP_1 17 55 54
iS_1 17 55 56

AUGUST 3
Ottawa
iP_1 22 11 22
iS_1 22 11 33
i 22 11 39
Shawinigan Falls
iP_1 22 11 (17)
$e(S_1)$ 22 12 (32)
e 22 12 (38)

AUGUST 3
Shawinigan Falls
iP 22 13 (30)

AUGUST 4
U.S.C.G.S.
5S, 152E
New Britain
H = 10 00 25
Halifax
iP' 10 07 55 d
eL 10 52
Horseshoe Bay
i 10 01 (38) c
Kirkland Lake
eP' 10 07 31
Ottawa
eP' 10 07 37
i 10 07 49
pP 10 08 25
PP 10 09 12
SKS 10 14 26
SKKS 10 15 20
S 10 16 30
PPS 10 19 10
Resolute
eP 10 02 14
e(pPP) 10 07 05
eS 10 13
ePS 10 14 25
e 10 15 34
e 10 20 53
e 10 21 39

Seven Falls
eP' 10 07 49 d
Shawinigan Falls
eP' 10 07 (46)
Victoria
iP 10 01 45 c
eS 10 12 31
eL 10 31

AUGUST 4
U.S.C.G.S.
5S, 152E
New Britain
H = 10 00 25
Ottawa
eP' 10 19 23
Seven Falls
eP' 10 19 07
Shawinigan Falls
eP' 10 19 (29)

AUGUST 4
Resolute
eL 11 58 11

AUGUST 4
Victoria
iP 13 36 57 c

AUGUST 4
Kirkland Lake
eP 13 39 17
Ottawa
eP 13 39 42 d

AUGUST 5
U.S.C.G.S.
41N, 144E
Off east coast of Hokkaido, Japan
H = 09 09 12
Resolute
eP 09 19 05
e(PPP) 09 22 07
eL 09 41 52

AUGUST 6
Victoria
iP 02 01 19.8
iS 02 01 22.2
D = 20 km

AUGUST 6
Horseshoe Bay
iP 07 26 (58) c?

AUGUST 6
Kirkland Lake
eP 13 23 02
Ottawa
eP 13 22 52 d
Shawinigan Falls
iP 13 23 (13) d
Victoria
iP 13 24 12

AUGUST 6
Seven Falls
e 17 40 34

AUGUST 7
U.S.C.G.S.
22 1/2N, 93 1/2E
Burma
H = 00 29 53
h = 150 km
Resolute
iP 00 42 20 d

AUGUST 7
Horseshoe Bay
iP 04 07 (30) c?

AUGUST 7
Victoria
iP 20 23 46.3
iS 20 23 48.0
D = 14 km

AUGUST 8
Alberni
iP 03 17 39.2
iS 03 17 58.9
Horseshoe Bay
iP 03 18 (29)
iS 03 18 (54)
Victoria
eP 03 18 56
eS 03 19 30
D = 325 km

AUGUST 9
Shawinigan Falls
eP 03 48 (26) c

AUGUST 9
U.S.C.G.S.
12N, 86W
Near coast of Nicaragua
H = 17 00 57
Ottawa
iP 17 07 51 d
e 17 08 17
ePP 17 09 09
e 17 12 44
S 17 13 44
SSS 17 16 34
eL 17 20.3
Shawinigan Falls
eP 17 08 (13)
i 17 08 (20)
e 17 08 (30)

AUGUST 9
U.S.C.G.S.
31 1/2S, 178W
Kermadec Isl.
H = 21 45 42
Resolute
ePP 22 05 33
e(PS) 22 15 39

AUGUST 9
Resolute
e 22 42 55
e 22 45 25
e 22 48 22
e 23 14 55

AUGUST 9
U.S.C.G.S.
15S, 176W
Samoa Isl. region
H = 23 00 42
h = 250 km
Halifax
e 23 29 (32)
eL 24
Ottawa
eP' 23 18 43
pPP 23 20 05
SKS 23 24 49
SKKS 23 25 43
S 23 26 21
e 23 27 06
PS 23 28 00
PPS 23 29 05
e 23 33 08
SS 23 34 00
SSS 23 37 00
eL 23 42.5
Resolute
esP 23 15 22
e 23 22 30
eSKS 23 24 25
eS 23 25 34
eSS 23 32 44
Saskatoon
iP 23 14 23 N
iS 23 23 19
i 23 23 42
Seven Falls
SKS 23 25 05
SKKS 23 26 07
S 23 26 50
PS 23 28 37
PPS 23 29 49
e 23 30 08
SS 23 34 46
Shawinigan Falls
eP' 23 18 (50)
Victoria
eP 23 12 20 d?
epP 23 13 23 c
iS 23 21 56
iSS 23 27 10

AUGUST 9
Ottawa
eP 23 29 59 c
e 23 30 12
Shawinigan Falls
iP 23 30 (07)
i 23 30 (19)

AUGUST 10
U.S.C.G.S.
10N, 84 1/2W
Costa Rica
H = 02 17 11
Ottawa
iP 02 24 17 d
Resolute
eL 02 50 15
Shawinigan Falls
eP 02 24 (39)

AUGUST 10
U.S.C.G.S.
Fiji Isl. region
H = 15 24 37
Resolute
eL 16 18

AUGUST 10
Shawinigan Falls
iP 19 39 (02) d

AUGUST 11
U.S.C.G.S.
51 1/2N, 175 1/2E
Rat Isl., Aleutians
H = 23 54 16
h = 100 km
Halifax
eP 24 05 29
Ottawa
eP 24 04 51
Resolute
iP 24 01 54 d
eS 24 08 06

AUGUST 12
Ottawa
iP 00 00 25 d
Shawinigan Falls
eP 00 00 (44) d

AUGUST 12
U.S.C.G.S.
19S, 176W
Tonga Islands
H = 00 25 42
h = 200 km
Horseshoe Bay
iP 00 37 45 d
e 00 47 44
Victoria
iP 00 37 45
i 00 38 40

AUGUST 12
U.S.C.G.S.
Northern New Britain
H = 05 40 07
h = 150 km
Ottawa
eP' 05 58 50

AUGUST 12
Shawinigan Falls
eP 13 46 (53)

AUGUST 12
U.S.C.G.S.
34 N, 138 E
Near south coast of
Honshu, Japan
H - 16 59 33

Halifax
eL 17 42
Horseshoe Bay
eP 17 10 45
Kirkland Lake
eP 17 12 43
Ottawa
eP 17 13 01
e 17 19 22
SKS 17 23 40
PS 17 25 30
SS 17 30 26
Resolute
(e) 17 09 48
eP 17 10 20 c
e(PP) 17 13 31
e(PPP) 17 14 35
eS 17 19 12
Saskatoon
iP 17 11 34 SW
eS 17 21 18
Seven Falls
eSKS 17 23 24
eS 17 24 01
eSS 17 30 21
Shawinigan Falls
eP 17 13 (05)
Victoria
eP 17 10 48 c?
eS 17 19 55

AUGUST 12
Alberni
iP 21 23 06.0 d
i 21 23 39.9
Horseshoe Bay
iP 21 (24) 19.8
Victoria
iP 21 23 13.6 c
eS 21 23 53
D = 385 km

AUGUST 13
Ottawa
eP 07 18 10
Resolute
e 07 38
Shawinigan Falls
eP 07 18 (34)

AUGUST 13
U.S.C.G.S.
28 1/2S, 176W
Kermadec Isl.
H = 09 07 38
Halifax
eL 10 20
Resolute
e(PS) 09 37 23
e 10 03 42

AUGUST 13
Alberni
iP 13 12 29.0
iS 13 12 39.7
D = 88 km

AUGUST 13
Shawinigan Falls
eP 22 31 39 c

AUGUST 14
U.S.C.G.S.
Prince Edward Isl.
region, South Indian
Ocean
H = 02 50 30
Banff
eP' 03 10 33
Halifax
eL 03 48
Kirkland Lake
eP' 03 09 32
Ottawa
eP' 03 09 21
PKS 03 12 54
PPP 03 14 15
SKS 03 16 16
PS 03 21 19
Resolute
iP' 03 09 54 c
e 03 10 10
e 03 20 33
Seven Falls
ePP 03 11 50
e 03 12 52
PPS 03 23 22
SS 03 28 51
Shawinigan Falls
eP' 03 09 (25)

AUGUST 14
Shawinigan Falls
iP 16 08 (19)

AUGUST 14
Shawinigan Falls
eP 22 21 (46)

AUGUST 14
Alberni
eP 23 27 58.7
eS 23 28 27.7
Horseshoe Bay
iP 23 27 45.3
iS 23 28 02.4
Victoria
eP 23 27 42.6
i 23 27 43.3
iS 23 27 57.8

AUGUST 15
U.S.C.G.S.
0, 101 1/2E
Sumatra
H = 05 20 37
h = 300 km
Banff
iP' 05 38 57
Halifax
e(PP) 05 41 51
i 05 42 23 c
iSS 05 47 14
Kirkland Lake
eP' 05 39 (28)
i(SKP) 05 41 (52) d
i(PKS) 05 42 (23) c

DOMINION OBSERVATORIES

Ottawa
eP' 05 39 16
e 05 39 27
PP 05 41 52
i 05 42 03
iSKP 05 42 25 c
sPP 05 43 41
SKKS 05 48 22
SS 05 59 34
e 06 01 14
Resolute
e(PP) 05 38 31
eSKS 05 44 22
esS 05 47 31
eSS 05 53 15
Seven Falls
eSKP 05 42 19
PKS 05 42 44
SS 05 58 50
sSS 06 00 58
SSS 06 03 45
Shawinigan Falls
iP' 05 39 (24) d
i 05 39 (35)
PP 05 41 (42)
i 05 41 (55)
iSKP 05 42 (22) c
PKS 05 42 (40)
Victoria
eP' 05 38 54
e 05 42 00

AUGUST 15
Resolute
eP 10 14 58
NOTE: Shawinigan Falls radio restored to service (see earlier note on page 89)

AUGUST 15
U.S.C.G.S.
1/2S, 123E
Northern Celebes
H = 10 51 19
h = 150 km

Banff
eP' 11 (09) 40
Halifax
eP' 11 10 03
i(pP') 11 10 58 c
eSKP 11 13 02
i 11 13 50 d
Horseshoe Bay
eP 11 05 17
e 11 09 32
iS 11 15 50
Kirkland Lake
eP' 11 10 (21) c?
epP' 11 10 (48) c?
e 11 23 (25)
Ottawa
eP' 11 10 21
pP' 11 10 50
e 11 11 28
PP 11 12 45
SKP 11 13 37 d
PKS 11 13 49
pPKS 11 14 20
sPKS 11 14 30
PPP 11 15 19
SKS 11 17 22
SKKS 11 19 26
PS 11 22 17
PPS 11 24 37
Resolute
eP 11 05 02 d
e 11 07 58
iSKS 11 15 30
ePS 11 18 14
Seven Falls
e 11 13 37
SKP 11 13 47
PS 11 21 57
PPS 11 24 50
SS 11 30 12
SSS 11 34 49
Shawinigan Falls
eP' 11 10 21 d
i 11 10 42
pP' 11 10 49
i 11 11 26
PP 11 12 38
sPP 11 13 14
SKP 11 13 35
PKS 11 13 47
sPKS 11 14 23
PPP 11 15 17
Victoria
eP 11 05 19
e 11 09 31
SKKS 11 15 52
(S) 11 16 37
i 11 18 50

AUGUST 15
U.S.C.G.S.
43 1/2N, 16 1/2E
Near coast of Yugoslavia
H = 12 02 54
Banff
iP 12 14 51
Halifax
iP 12 12 30 d
Horseshoe Bay
eP 12 15 12
Kirkland Lake
eP 12 13 (31)
Ottawa
eP 12 13 18
Resolute
eS 12 19 52
Seven Falls
eP 12 12 56
Shawinigan Falls
eP 12 13 02
i 12 13 07
Victoria
iP 12 15 18

AUGUST 15
U.S.C.G.S.
46N, 151E
Kurile Isl.
H = 13 12 10
Banff
eP 13 22 07
Kirkland Lake
eP 13 24 (09)
Ottawa
eP 13 24 22 c

SEISMOLOGICAL BULLETIN - 1956

Resolute
eP 13 21 21 d
i 13 21 29 d
e(PPP) 13 24 26
eS 13 28 50
e 13 40 41
Seven Falls
eS 13 34 27
SS 13 39 57
SSS 13 43 12
Shawinigan Falls
eP 13 24 25 c
Victoria
iP 13 21 47

AUGUST 15
Alberni
eP 23 21 31
eS 23 21 50
Victoria
iP 23 21 10.6

AUGUST 16
U.S.C.G.S.
About 100 miles off south coast of Greece
H = 00 38 30
Ottawa
eP 00 49 52
Resolute
eL 01 05 48
Shawinigan Falls
iP 00 49 38 d

AUGUST 16
U.S.C.G.S.
37N, 8 1/2W
Near southwest coast of Portugal
H - 02 09 39
Ottawa
iP 02 18 32 d
Shawinigan Falls
eP 02 18 14

AUGUST 16
Victoria
iP 03 12 19.3
iS 03 12 21.8
D = 21 km

AUGUST 16
U.S.C.G.S.
51N, 176W
Andreanof Isls., Aleutians
H = 08 10 25
Resolute
eL 08 31 22

AUGUST 17
Shawinigan Falls
e(P) 01 27 50
i 01 28 04

AUGUST 17
U.S.C.G.S.
54N, 35W
North Atlantic ocean
H = 01 23 10
Halifax
eP 01 27 21
iPP 01 27 51 c
i(S) 01 28 54 c
e 01 30 52
e 01 31 49
Ottawa
eP 01 28 58
PPP 01 30 08
eS 01 33 40
eL 01 38 00
Resolute
eS 01 34 22
eL 01 36 05
Seven Falls
eP 01 28 21
eS 01 32 38
eL 01 35 10
Shawinigan Falls
eP 01 28 33

AUGUST 17
U.S.C.G.S.
North Atlantic aftershock
H = 01 59 37
Halifax
eP 02 04 14
Ottawa
eP 02 05 21
eS 02 10 02
eL 02 14 04
Seven Falls
eP 02 04 43
eS 02 09 04
eL 02 11 43
e 02 16 40
Shawinigan Falls
eP 02 04 56

AUGUST 17
U.S.C.G.S.
7°S, 80°W
Near coast of Peru
H = 05 53 25
Ottawa
eP 06 02 52 c
Shawinigan Falls
eP 06 03 04

AUGUST 17
Horseshoe Bay
iP 08 48 17

AUGUST 17
Horseshoe Bay
iP 09 06 08.6 c?
Victoria
iP 09 05 59.4 c

AUGUST 17
U.S.C.G.S.
About 300 miles off the coast of Oregon
H = 09 15 06

DOMINION OBSERVATORIES

Alberni
eP 09 16 34.5
Banff
eP 09 17 58.0
Victoria
eP 09 16 36.2 c

AUGUST 17
Horseshoe Bay
iP 09 33 36.0
Victoria
iP 09 33 26.5

AUGUST 17
Resolute
e 09 46 33

AUGUST 17
Victoria
eP 10 54 51.6
iS 10 55 05.2
D = 112 km

AUGUST 17
U.S.C.G.S.
4S, 151 1/2E
New Britain region
H = 14 15 53
Resolute
eSS 14 47 55
eL 15 01.8

AUGUST 18
Victoria
iP 00 20 36

AUGUST 18
U.S.C.G.S.
44N, 115 1/2W
Idaho
H = 00 52 16
Banff
iP 00 55 17.2

AUGUST 18
Ottawa
iP_n 17 09 32
eS_n 17 09 49
eL 17 09 57
D = 150 km

AUGUST 18
Alberni
iP 18 49 22.7
i 18 49 28.5
i 18 49 51.2
i 18 50 02.3
Horseshoe Bay
iP 18 49 19.5
i 18 49 24.9
i 18 49 30.7
i 18 49 46.6
Victoria
eP 18 49 25.0
i 18 49 32.9
i 18 50 05.3

AUGUST 19
U.S.C.G.S.
O = 21 1/2S, 179W
Fiji Isl. region
H = 05 17 43
h = 150 km
Halifax
eL 06 29
Resolute
e 05 46 19
e 06 13 54
e 06 16 14

AUGUST 19
U.S.C.G.S.
20S, 176W
Tonga Isl.
H = 08 48 57
h = 100 km
Banff
iP 09 01 13

AUGUST 20
U.S.C.G.S.
7 1/2N, 80W
Near south coast
of Panama
H = 05 33 47
Banff
eP 05 43 04
Halifax
iS 05 47 29
Horseshoe Bay
eP 05 43 24 c?
Kirkland Lake
eP 05 41 31 c?
Ottawa
eP 05 41 09 d
i 05 41 38
i 05 42 09
PP 05 42 42
P_cP 05 43 23
e 05 44 18
S 05 47 06
Resolute
eP 05 44 47 d
eS 05 53 45
eL 05 56 09
Seven Falls
eS 05 47 41
eL 05 51 58
Shawinigan Falls
eP 05 41 20
Victoria
iP 05 43 22 c

AUGUST 20
U.S.C.G.S.
Panama aftershock
H = 07 06 20
Ottawa
eP 07 13 43

AUGUST 20
U.S.C.G.S.
Panama aftershock
H = 07 19 59
Banff
eP 07 29 15

Kirkland Lake
eP 07 27 41
Ottawa
eP 07 27 21
Resolute
eL 07 37 02

AUGUST 20
U.S.C.G.S.
13 1/2N, 91 1/2W
Off coast of Guatemala
H = 09 43 50
h = 100 km
Horseshoe Bay
iP 09 51 57
i 09 53 46
Kirkland Lake
eP 09 50 46
Ottawa
eP 09 50 36 c
PP 09 51 47
Shawinigan Falls
iP 09 50 54 c
epP 09 51 18
Victoria
iP 09 51 53 c

AUGUST 20
Horseshoe Bay
iP 12 20 28.5 c
e 12 24 03.2
i 12 24 06.2
i 12 26 30.0
Victoria
iP 12 20 14.1

AUGUST 21
Resolute
e 01 05 21
e 01 12 26

AUGUST 21
Resolute
e 01 56 51

AUGUST 21
U.S.C.G.S.
49 1/2N, 156E
Kurile Isl.
H = 11 26 01
Ottawa
eP 11 37 59

AUGUST 21
Ottawa
iP_n 16 02 24
S_n 16 02 41
eL 16 02 50
D = 150 km

AUGUST 21
Resolute
e 23 40 28

AUGUST 22
U.S.C.G.S.
New Hebrides
H = 11 26 06
Banff
eP 11 39 28
Horseshoe Bay
iP 11 39 03
Ottawa
eP' 11 44 52 c
Victoria
iP 11 39 03 c

AUGUST 22
Resolute
e 13 53 58

AUGUST 22
Ottawa
iP_n 16 11 57
S_n 16 12 30
i 16 12 37
S_1 16 12 43
D = 335 km

AUGUST 22
Ottawa
iP_1 16 38 13
iS_1 16 38 14
Felt in Eastview,
Ottawa East and
Ottawa South.

AUGUST 22
U.S.C.G.S.
Northern Assam
H = 19 40 15
Resolute
eL 20 20.6

AUGUST 23
U.S.C.G.S.
54N, 162 1/2W
Unimak Isl. region
H = 13 04 06
Resolute
e 13 20 53
e 13 21 15

AUGUST 23
U.S.C.G.S.
15S, 68W
Bolivia
H = 13 48 30
h = 100 km
Halifax
eP 13 58 34
iS 14 06 40
iS_cS 14 08 18
Horseshoe Bay
eP 14 00 42
eS 14 10 40
Kirkland Lake
eP 13 58 57
eS 14 07 20
Ottawa
eP 13 58 36 c
P_cP 13 59 14
e 13 59 49
PPP 14 02 13
S 14 06 46
S_cS 14 08 22
e 14 10 05
SSS 14 13 06

Resolute
iP 14 01 37 c
e 14 11 04
iS 14 12 25
Seven Falls
eS 14 07 09
S_cS 14 08 28
SSS 14 13 28
Shawinigan Falls
eP 13 58 41 c
P_cP 13 59 23
i 13 59 42
e 13 59 55
PPP 14 02 29
Victoria
eP 14 00 34

AUGUST 24
U.S.C.G.S.
45 1/2N, 152E
Kurile Isl.
H = 03 50 54
Resolute
eL 04 12 49

AUGUST 24
U.S.C.G.S.
53N, 172 1/2E
Near Isl., Aleutians
H = 04 27 33
Banff
eP 04 35 31
Halifax
iP 04 38 56 c
iS 04 48 13
Kirkland Lake
eP 04 37 54 c?
Ottawa
eP 04 38 20 c
PP 04 40 44 c
e 04 42 52
S 04 47 06
S_cS 04 48 12
SS 04 51 28
SSS 04 54 45

Resolute
iP 04 35 18 c
ePP 04 36 50
ePPP 04 37 08
eS 04 41 30
Saskatoon
eP 04 36 02 SW
iS 04 42 52
i 04 45 52
Seven Falls
eP 04 38 26
PP 04 40 50
S 04 47 17
S_cS 04 48 24
e 04 50 45
SS 04 51 41
SSS 04 54 58
Shawinigan Falls
eP 04 38 21 c
PP 04 40 48

AUGUST 24
U.S.C.G.S.
Near Island aftershock
H = 04 50 00
Halifax
e 05 01 19
Ottawa
eP 05 00 46 c
Shawinigan Falls
eP 05 00 47

AUGUST 24
U.S.C.G.S.
48 1/2N, 157E
Kurile Isl.
H = 04 59 16
Shawinigan Falls
eP 05 12 02

AUGUST 24
U.S.C.G.S.
52N, 170 1/2W
Fox Isl., Aleutians
H = 19 14 55

Kirkland Lake
eP 19 25 22
Resolute
eL 19 34 13
Shawinigan Falls
iP 19 24 55 d

AUGUST 25
U.S.C.G.S.
2N, 129E
Halmahera Island
region
H = 00 22 44
Ottawa
iP' 00 41 56 c
i 00 42 10
Shawinigan Falls
iP' 00 41 55 c
i 00 42 09 d

AUGUST 25
Resolute
e 01 58 14

AUGUST 25
Halifax
iP 14 52 33

AUGUST 25
U.S.C.G.S.
31 1/2N, 115 1/2W
Lower California
H = 15 57 43
Halifax
eL 16 20
Resolute
eL 16 19 56

AUGUST 25
U.S.C.G.S.
52 1/2N, 172 1/2E
Near Islands
aftershock
H = 19 33 45

Horseshoe Bay
eP 19 41 18
Kirkland Lake
eP 19 44 05
Ottawa
eP 19 44 32 d
Resolute
iP 19 41 32 c
Shawinigan Falls
eP 19 44 32
Victoria
eP 19 41 22

AUGUST 25
U.S.C.G.S.
12S, 166 1/2E
Santa Cruz Islands
H = 22 03 28
h = 200 km
Horseshoe Bay
iP 22 15 55
Ottawa
iP' 22 21 55 d
Shawinigan Falls
iP' 22 21 57
Victoria
eP 22 15 53

AUGUST 26
Resolute
eL 09 42 44

AUGUST 27
U.S.C.G.S.
64N, 150W
Central Alaska
H = 18 01 01
h = 60 km
Kirkland Lake
eP 18 08 33 c?
Ottawa
eP 18 09 06 d
Resolute
eP 18 05 50
e 18 11 27

Seven Falls
eL 18 24 53
Shawinigan Falls
eP 18 08 57

AUGUST 28
U.S.C.G.S.
23 1/2S, 180
Tonga Isl. region
H = 09 49 13
h = 600 km
Horseshoe Bay
iP 10 01 08 d
Victoria
iP 10 01 06

AUGUST 28
Resolute
e 13 55 19
e 13 55 31

AUGUST 29
U.S.C.G.S.
54N, 160E
Near east coast of
Kamchatka
H = 03 04 32
Kirkland Lake
eP 03 15 19
Ottawa
eP 03 15 44
Resolute
eS 03 18 46
eL 03 27 01

AUGUST 29
Horseshoe Bay
iP 04 43 11.7
iS 04 43 24.1
Victoria
iP 04 43 05.0
iS 04 43 13.3
D = 68 km

AUGUST 30
U.S.C.G.S.
54N, 164W
Unimak Isl.,
Aleutians
H = 04 24 24
Banff
iP 04 30 25
Halifax
eL 05 00
Horseshoe Bay
eP 04 29 52
Kirkland Lake
eP 04 33 19 c?
Ottawa
eP 04 33 50 d
S 04 41 24
S_cS 04 43 32
SS 04 45 09
eL 04 49 24
Resolute
iP 04 31 05 c
e(PP) 04 32 14
e(PPP) 04 32 21
eS 04 36 27
eL 04 38
Saskatoon
eP 04 30 04
e 04 36 27
Seven Falls
e 04 34 52
S 04 41 43
SS 04 45 32
Victoria
eP 04 29 55
eS 04 33 24

AUGUST 30
U.S.C.G.S.
41N, 126 1/2W
Off coast of northern
California
H = 05 24 52
Halifax
eP 05 33 15
Horseshoe Bay
eP 05 27 02
eS 05 28 41

DOMINION OBSERVATORIES

Kirkland Lake
eP 05 31 24 d
Ottawa
eP 05 32 03 d
PP 05 33 28
P_cP 05 34 23
S 05 37 55
SSS 05 41 00
S_cS 05 42 02
Resolute
eS 05 37 48
eL 05 39 34
Saskatoon
iP 05 29 03
iS 05 32 29
e 05 34.2
Seven Falls
eP 05 32 27
PP 05 34 01
S 05 38 35
S_cS 05 42 43
eL 05 45 56
Victoria
eP 05 26 49 c
i 05 26 49.5

AUGUST 30
Halifax
P_n 14 25 02
S_n 14 25 16
Rockburst at Springhill, N.S.

AUGUST 30
Resolute
eL 17 53 30

AUGUST 30
Resolute
eL 18 26 07

AUGUST 31
Resolute
eL 00 47 51

AUGUST 31
Halifax
e 18 16 18

AUGUST 31
U.S.C.G.S.
13S, 77W
Near coast of Peru
H = 18 22 53
h = 60 km
Kirkland Lake
e(P) 18 33 14
Ottawa
eP 18 32 57

AUGUST 31
U.S.C.G.S.
15 1/2N, 147 1/2E
Marianas Islands region
H = 23 06 38
Resolute
eL 23 41 40

SEPTEMBER 1
U.S.C.G.S.
15 1/2N, 147 1/2E
Marianas Islands aftershock
H = 00 21 36
Resolute
e 01 01 54
eL 01 12 45

SEPTEMBER 1
U.S.C.G.S.
54N, 163 1/2W
Unimak Island region, Alaska
H = 17 56 36
Resolute
eL 18 14 23
Victoria
eP 18 02 07.2

SEPTEMBER 1
Alberni
iP 19 35 16.9
eS 19 36 23
Horseshoe Bay
iP 19 35 27.8
Victoria
iP 19 35 17.7
iS 19 36 24.4
Local shock

SEPTEMBER 2
Resolute
e 08 00 55

SEPTEMBER 3
U.S.C.G.S.
23N, 120 1/2E
Southern Formosa
H = 14 56 52
Victoria
iP 15 09 49.3

SEPTEMBER 4
U.S.C.G.S.
Guatemala-El Salvador border
H = 07 31 30
h = 100 km
Kirkland Lake
eP 07 38 21
Ottawa
iP 07 38 08 d

SEPTEMBER 4
U.S.C.G.S.
Central Idaho
H = 08 34 32
Banff
eP 08 36 20
Horseshoe Bay
eP 08 36 36
Victoria
e(P) 08 36 41.2

SEISMOLOGICAL BULLETIN - 1956

SEPTEMBER 4
Alberni
iP 10 17 50.9
iS 10 18 06.8
Horseshoe Bay
eP 10 18 09.6
i 10 18 41.3
Victoria
eP 10 18 09.6
i 10 18 41.3
Local shock

SEPTEMBER 4
U.S.C.G.S.
Fiji Islands
H = 11 55 31
h = 100 km
Horseshoe Bay
i 12 07 44.1
Victoria
eP 12 07 40

SEPTEMBER 4
Victoria
iP 14 24 09.2

SEPTEMBER 6
Resolute
e 00 58 29

SEPTEMBER 6
U.S.C.G.S.
52N, 174E
Near Islands, Aleutians Islands
H = 10 40 06
Resolute
eL 11 05 49

SEPTEMBER 6
U.S.C.G.S.
Dodecanese Islands
H = 11 46 35
Banff
eP 11 59 19
Kirkland Lake
i(P) 11 58 16
Ottawa
eP 11 58 07
Resolute
eS 12 05 15
eL 12 12 19

SEPTEMBER 6
U.S.C.G.S.
37N, 26 1/2E
Dodecanese Islands
H = 12 58 45
Banff
iP 13 11 25.3

SEPTEMBER 6
Kirkland Lake
e(P) 17 07 13

SEPTEMBER 7
U.S.C.G.S.
18S, 176 1/2W
Fiji Islands region
H = 03 54 18
Banff
iP 04 06 37.5
Horseshoe Bay
iP 04 06 13.0
Victoria
iP 04 06 09.8

SEPTEMBER 7
Kirkland Lake
e 13 40 50
$e(L_g)$ 13 42 05
e 13 55 14
e 13 55 37

SEPTEMBER 8
U.S.C.G.S.
76 1/2N, 7E
Arctic Ocean, west of Spitsbergen
H = 18 08 10
Kirkland Lake
eP 18 16 13
Ottawa
eP 18 16 26 d
Resolute
iP 18 13 11 d
eS 18 16 55
e 18 17 45
eL 18 19 39
e 18 20 32
Seven Falls
S 18 22 31
L 18 26 48
Victoria
eP 18 17 15

SEPTEMBER 8
Alberni
iP 18 17 46.0
iS 18 17 59.2
Local shock

SEPTEMBER 9
U.S.C.G.S.
Fiji Islands region
H = 15 19 44
Ottawa
iP' 15 37 26 c

SEPTEMBER 9
U.S.C.G.S.
3N, 129E
Halmahera
H = 17 35 13
h = 150 km
Resolute
e 17 57 25
eSKS 17 59 13
e 18 29 02

DOMINION OBSERVATORIES

SEPTEMBER 10
Resolute
e 02 29 12
e 02 45 59
e 03 04 31
e 03 10 49
e 03 16 18

SEPTEMBER 10
Resolute
e(P) 07 27 39
e 07 43 03
e 07 48 48
e 07 54 31

SEPTEMBER 10
U.S.C.G.S.
0, 101 1/2E
Central Sumatra
H = 12 31 54
h = 250 km
Kirkland Lake
e(P') 12 53 41 c?
Ottawa
SKP 12 53 51

SEPTEMBER 10
U.S.C.G.S.
11 1/2N, 103 1/2W
Pacific Ocean, south of Mexico
H = 14 04 45
Banff
eP 14 12 31
Kirkland Lake
eP 14 12 36d?
Ottawa
iP 14 12 35 d
S 14 19 01
L 14 26 26
Resolute
eS 14 24 03
eSS 14 27 48
eL 14 31 15
Seven Falls
S 14 19 54
S_cS 14 23 00
L 14 27 28

SEPTEMBER 10
U.S.C.G.S.
25 1/2S, 175 1/2W
Tonga Islands region
H = 23 51 44
Resolute
e 24 18 10
ePS 24 20 49
e 24 29 44
eL 24 38 51
Seven Falls
SKS 24 17 38

SEPTEMBER 10
U.S.C.G.S.
8 1/2N, 83W
Costa Rica-Panama border
H = 23 59 26
Kirkland Lake
eP 24 07 01 c
Ottawa
iP 24 06 43 c
i 24 06 52

SEPTEMBER 11
U.S.C.G.S.
16 1/2S, 178E
Fiji Islands
H = 02 32 28
Halifax
eL 03 30.0
Horseshoe Bay
eP 02 44 58
Resolute
eS 02 56 54
e 03 04 23
eL 03 15 55
Victoria
iP 02 44 56.6
eS 02 55 18
eL 03 10.0

SEPTEMBER 11
U.S.C.G.S.
14N, 91W
Guatemala
H = 09 54 40
h = 100 km
Halifax
i 10 03 05
eL 10 14.0
Horseshoe Bay
iP 10 02 42.2
eS 10 09 30
Kirkland Lake
eP 10 01 29 c?
Ottawa
iP 10 01 18 c
pP 10 01 50
PP 10 02 44
e 10 06 20
S 10 06 52
SS 10 09 26
L 10 13 10
Resolute
eP 10 04 47
ePPP 10 08 19
eS 10 12 48
eSSS 10 20 10
e 10 22 23
e 10 27 50
Saskatoon
e 10 12.0
Seven Falls
eP 10 01 45
PP 10 03 04
S 10 07 30
e 10 08 57
SSS 10 10 39
S_cS 10 12 04
e 10 13 01
L 10 14 37
Victoria
iP 10 02 38.3

SEPTEMBER 11
U.S.C.G.S.
17S, 169E
New Hebrides
H = 15 44 04
Halifax
eL 16 53
Horseshoe Bay
eP 15 57 07
Ottawa
eP' 16 03 11
Victoria
eP 15 57 04

SEISMOLOGICAL BULLETIN - 1956

SEPTEMBER 11
U.S.C.G.S.
49 1/2N, 155E
Northern Kurile Islands
H = 21 03 56
Halifax
iP 21 16 10 c
eL 21 45
Horseshoe Bay
eP 21 12 57
S 21 20 07
Kirkland Lake
eP 21 15 20
Ottawa
iP 21 15 43 c
S 21 25 16
L 21 33 24
Resolute
iP 21 12 36 c
e(P) 21 13 12
e 21 14 27
eS 21 19 34
eL 21 23 25
Saskatoon
eS 21 21 43
Seven Falls
S 21 25 31
L 21 34 17
Victoria
eP 21 13 00.0

SEPTEMBER 12
U.S.C.G.S.
23N, 146E
Marianas Islands
H = 13 25 45
Victoria
eP 13 37 21

SEPTEMBER 12
U.S.C.G.S.
49 1/2N, 156E
Kurile Islands aftershock
H = 19 59 54
Halifax
iP 20 12 03 c
Horseshoe Bay
iP 20 08 51
Ottawa
iP 20 11 36 c
Resolute
e 20 14 34
eS 20 15 04
e 20 17 06
e(L) 20 22 47
Seven Falls
eP 20 11 53
S 20 21 03
Victoria
eP 20 08 54

SEPTEMBER 12
Halifax
iP 20 48 35 c

SEPTEMBER 12
Alberni
iP 22 45 08.1
iS 22 41 08.5
Horseshoe Bay
e 22 44 50.7
e 22 44 55.9
Victoria
iP 22 45 00.5
iS 22 45 13.2
Local shock

SEPTEMBER 12
Banff
iP 22 43 56.4
Local shock

SEPTEMBER 13
U.S.C.G.S.
3N, 128 1/2E
Near Halmahera
H = 13 53 49
h = 300 km
Resolute
ePP 14 00 51

SEPTEMBER 13
U.S.C.G.S.
New Hebrides
H = 18 43 49
Resolute
e 19 39 48
eL 19 42 34

SEPTEMBER 13
Ottawa
iP_1 19 10 36
iS_1 19 10 39
Local shock

SEPTEMBER 14
U.S.C.G.S.
15N, 94W
Off coast of Chipas Mexico
H = 06 16 54
Resolute
eL 06 42 51

SEPTEMBER 14
Banff
iP 22 00 36.1
iS 22 00 43.6

SEPTEMBER 15
U.S.C.G.S.
20S, 69W
Northern Chile
H = 07 39 04
h = 100 km
Banff
iP 07 51 16.4
i 07 51 42.8
Halifax
iP 07 49 38 c
i 07 49 41 c
iP_cP 07 49 54 c
iS 07 58 10
iS_cS 07 58 52
i 08 00 07
eL 08 05.0

DOMINION OBSERVATORIES

Horseshoe Bay
iP 07 51 29.7
pP 07 51 56.2
iS 08 01 48
i 08 02 28
Kirkland Lake
iP 07 50 02 d
e 07 50 22 c
i 07 50 30 c
i 07 50 38 d
i 07 50 48 c
Ottawa
iP 07 49 43 d
P_cP 07 50 08
pP 07 50 29
S 07 58 22
S_cS 07 59 02
e 08 00 12
L 08 05 44
Resolute
eSKS 08 02 53
eS 08 03 35
eSS 08 09 59
e 08 24 21
e 08 38 37
Seven Falls
eP 07 49 (59)
P_cP 07 50 (24)
S 07 58 (40)
PS 07 59 (22)
S_cS 08 00 (09)
SSS 08 06 (10)
Victoria
iP 07 51 27.6

SEPTEMBER 15
U.S.C.G.S.
4S, 151E
New Britain
H = 10 33 09
h = 400 km
Ottawa
iP' 10 51 23 d

SEPTEMBER 16
U.S.C.G.S.
34N, 69 1/2E
Pakistan-Afghanistan border
H = 08 37 22
Halifax
eS 09 01 03
i 09 01 31
eL 09 18.0
Horseshoe Bay
iP 08 50 52.2
iS 09 01 29
Kirkland Lake
eP 08 50 40
Ottawa
eP 08 50 50 d
PP 08 54 41
S 09 01 22
PS 09 03 26
e 09 07 18
SSS 09 12 10
Resolute
e(P) 08 48 36
i(P) 08 48 44 c
ePP 08 51 16
ePPP 08 53 03
eS 08 58 50
e 09 03 30
eL 09 06 33
Saskatoon
iS 09 01 21
Seven Falls
S 09 01 (06)
Victoria
eP 08 50 56

SEPTEMBER 16
Horseshoe Bay
eP 09 32 21
Victoria
eP 09 32 15

SEPTEMBER 16
U.S.C.G.S.
34N, 69 1/2E
Afghanistan aftershock
H = 14 23 22
Resolute
eL 15 00 24

SEPTEMBER 16
U.S.C.G.S.
36 1/2N, 26E
Aegean Sea
H = 18 07 38
Banff
iP 18 20 23.7
Ottawa
eP 18 19 10

SEPTEMBER 16
Alberni
iP 18 56 50.5
iS 18 57 17.3
Local shock

SEPTEMBER 16
Horseshoe Bay
eP 18 57 03.7
Victoria
eP 18 57 05
i 18 57 14.7

SEPTEMBER 16
U.S.C.G.S.
51N, 157E
Near south coast of Kamchatka
H = 20 25 47
h = 60 km
Ottawa
iP 20 37 17 c
Victoria
eP 20 34 33

SEPTEMBER 17
Horseshoe Bay
iP 01 08 51.0
iS 01 10 05.9
Victoria
iP 01 08 40.5
iS 01 09 47.8

SEISMOLOGICAL BULLETIN - 1956

SEPTEMBER 17
U.S.C.G.S.
5 1/2N, 95E
Near north coast of Sumatra
H = 20 19 07
h = 150 km
Ottawa
SKP 20 41 17 d
Resolute
eL 21 11 14

SEPTEMBER 17
Alberni
iP 20 29 54.9
iS 20 30 02.5
Local shock

SEPTEMBER 18
Victoria
iP 11 12 49.2
iS 11 12 52.1
Local shock

SEPTEMBER 19
U.S.C.G.S.
23 1/2N, 94 1/2E
Western Burma
H = 23 47 44
h = 150 km
Kirkland Lake
eP' 24 06 29
Ottawa
eP' 24 06 47 d
Resolute
iP 23 59 54 d
eS 24 09 42
eSS 24 15 08
Shawinigan Falls
eP' 00 06 39

SEPTEMBER 20
Resolute
i 00 19 47
e(P) 00 20 45
e 00 35 13

SEPTEMBER 20
Resolute
e 03 54 28
e 04 06 50

SEPTEMBER 20
U.S.C.G.S.
51N, 159E
Kamchatka foreshock
H = 20 06 09
Shawinigan Falls
eP 20 17 36
Resolute
eL 20 24 09

SEPTEMBER 20
U.S.C.G.S.
51 1/2N, 159 1/2E
Near south coast of Kamchatka
H = 21 52 01
Halifax
eL 22 31
Kirkland Lake
eP 22 03 01 c
e 22 03 12 c
Ottawa
eP 22 03 26 c
iPP 22 06 08 c
Resolute
iP 22 00 16 d
ePP 22 02 16
eS 22 06 59
eL 22 10 17
Seven Falls
eP 22 03 (27)
S 22 12 (52)
Shawinigan Falls
iP 22 03 19 d

SEPTEMBER 20
Kirkland Lake
eP 23 14 21

SEPTEMBER 21
U.S.C.G.S.
20N, 100 1/2W
Central Mexico
H = 09 16 20
Resolute
eL 09 46 18
Victoria
e(P) 09 23 05.2

SEPTEMBER 21
Saskatoon
i 09 35 34
e 09 38.0

SEPTEMBER 21
U.S.C.G.S.
26 1/2S, 63W
Santiago del Estero Province, Argentina
H = 19 11 59
h = 600 km
Halifax
iP 19 22 23 d
Kirkland Lake
eP 19 22 51 d
epP 19 24 54 d
Ottawa
eP 19 22 23 c
pP 19 24 36 d
S 19 31 02
Seven Falls
iP 19 22 (44) c
pP 19 24 (47)
S 19 31 (35)
Shawinigan Falls
iP 19 22 38 c
pP 19 24 39

SEPTEMBER 22
Banff
iP 15 16 59.0
Local shock

DOMINION OBSERVATORIES

SEPTEMBER 22
U.S.C.G.S.
38N, 69E
Tadzhik, S.S.R.
H = 15 54 21
Resolute
eL 16 23 23

SEPTEMBER 22
U.S.C.G.S.
45 1/2N, 151E
Kurile Islands
H = 18 18 19
Resolute
eL 18 46 38

SEPTEMBER 23
U.S.C.G.S.
31N, 116W
Lower California
H = 08 51 55
Victoria
eP 08 56 18

SEPTEMBER 23
Horseshoe Bay
eP 20 23 27

SEPTEMBER 24
U.S.C.G.S.
15 1/2S, 173 1/2W
Samoa Islands
H = 06 04 37
Horseshoe Bay
iP 06 16 40.4
Halifax
eL 07 04.0
Resolute
e 06 28 14
ePS 06 31 37
eL 06 51 22
Victoria
iP 06 16 36.8

SEPTEMBER 24
U.S.C.G.S.
22S, 175E
Fiji Islands region
H = 07 02 13
Halifax
iP' 07 21 19 c
Horseshoe Bay
eP 07 15 16
Ottawa
eP' 07 21 07
Victoria
eP 07 15 13

SEPTEMBER 24
U.S.C.G.S.
34N, 69 1/2E
Pakistan-Afghanistan
border aftershock
H = 10 20 38
Kirkland Lake
e(P) 10 34 02
Resolute
eL 10 49 01

SEPTEMBER 24
Kirkland Lake
e(P) 10 47 46

SEPTEMBER 24
U.S.C.G.S.
Near coast of Central
Chile
H = 11 23 54
Kirkland Lake
eP 11 36 06

SEPTEMBER 24
U.S.C.G.S.
Costa Rica-Panama
foreshock
H = 15 38 08
Kirkland Lake
eP 15 45 45

SEPTEMBER 25
U.S.C.G.S.
8N, 83W
Near Costa Rica-
Panama border
H = 18 27 25
Kirkland Lake
eP 18 35 00
Ottawa
iP 18 34 41 c
Resolute
eL 18 57 34
Shawinigan Falls
eP 18 34 56

SEPTEMBER 25
U.S.C.G.S.
8N, 83W
Costa Rica-Panama
aftershock
H = 21 31 15
Kirkland Lake
eP 21 38 51

SEPTEMBER 26
U.S.C.G.S.
30 1/2N, 142E
Off south coast of
Honshu, Japan
H = 05 04 01
Resolute
eL 05 41 08

SEPTEMBER 26
U.S.C.G.S.
52N, 176E
Rat Island, Aleutian
Islands
H = 13 46 52
h = 100 km
Horseshoe Bay
eP 13 53 57
i 13 56 15.1
Kirkland Lake
eP 13 56 55 c

Ottawa
iP 13 57 21 c
e 13 58 19
Resolute
eP' 14 05 48
Seven Falls
iP 13 57 (20) d
Shawinigan Falls
iP 13 57 24 d
Victoria
eP 13 54 01
e 13 56 16

SEPTEMBER 28
Halifax
e(P_n) 11 46 22
e 11 46 39
e 11 49 06
Local shock?

SEPTEMBER 28
U.S.C.G.S.
77 1/2N, 7E
Off west coast of
Spitsbergen
H = 15 01 36
Resolute
eS 15 10 17
e(L) 15 12 14
Shawinigan Falls
eP 15 09 40

SEPTEMBER 28
Kirkland Lake
eP 15 43 43

SEPTEMBER 29
U.S.C.G.S.
0, 123E
Northern Celebes
H = 03 55 27
h = 300 km
Ottawa
iSKP 04 17 22 c
Seven Falls
SKP 04 17 (12)

SEPTEMBER 29
U.S.C.G.S.
7 1/2N, 94 1/2E
Nicobar Islands
H = 09 03 37
Halifax
eL 10 12.0
Ottawa
eP' 09 22 46 c
Seven Falls
eP' 09 22 (32)

SEPTEMBER 29
U.S.C.G.S.
12S, 78W
Off coast of Peru
H = 11 31 40
Seven Falls
iP 11 41 (35) d

SEPTEMBER 29
U.S.C.G.S.
37 1/2N, 141E
Central Honshu, Japan
H = 21 20 52
Ottawa
iP 21 33 55 c
pP 21 34 24
Shawinigan Falls
eP 21 33 56
Victoria
eP 21 31 47

SEPTEMBER 29
U.S.C.G.S.
3N, 128E
Off north coast of
Halmahera
H = 22 22 48
h = 60 km
Ottawa
eP' 22 41 51
Shawinigan Falls
eP' 22 41 51

SEPTEMBER 29
U.S.C.G.S.
70 1/2N, 9E
Arctic Ocean,
northwest of Norway
H = 23 01 00
Kirkland Lake
eP 23 09 23
Ottawa
iP 23 09 33 d

SEPTEMBER 29
U.S.C.G.S.
35 1/2N, 140E
Central Honshu, Japan
H = 23 20 52
h = 60 km
Horseshoe Bay
eP 23 31 48
Kirkland Lake
eP 23 33 43
Ottawa
eP 23 34 00
Saskatoon
iP 23 32 31
iS 23 42 05
Seven Falls
iP 23 33 (53) d
Shawinigan Falls
eP 23 34 02
Victoria
eP 23 31 56

SEPTEMBER 30
U.S.C.G.S.
14N, 144E
Marianas Islands
H = 14 41 44
h = 100 km
Horseshoe Bay
P 14 53 53.7
Victoria
eP 14 54 00.7

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QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1957.

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October – December 1956

Dominion Observatory,
Department of Mines and
Technical Surveys, Ottawa

Notes

1. Halifax. A Willmore seismometer and a galvanometer were installed in place of the long period Benioff on November 24. The characteristics of the new combination are as follows: Ts = 1.0; T_g = 1.65; magnification at 1 cycle/sec. = 16,000; damping is nearly critical; paper speed is 30 mm/minute; time mark zero is at the end; direction of motion: up trace, ground up.

2. Kirkland Lake. Some of the arrival times during December are in doubt because of clock trouble. These have been enclosed in parentheses.

3. Schefferville. There were very few time corrections or minute marks during the quarter. Shocks that could be identified with reasonable certainty are included in the bulletin (hours only), and the directions of initial motion are given.

4. Seven Falls. Practically no time corrections during the quarter. Uncertainties in arrival times are indicated by question marks.

5. Shawinigan Falls. Arrival times are uncertain from December 1 to December 26. This is indicated by enclosing the seconds in parentheses.

SEISMOLOGICAL BULLETIN - 1956

OCTOBER - DECEMBER

OCTOBER 1
U.S.C.G.S.
18 1/2N, 77W
Jamaica
H = 18 04 40
Banff
iP 18 13 12
Horseshoe Bay
iP 18 13 23
Kirkland Lake
eP 18 10 52 c
Ottawa
eP 18 10 30
Shawinigan Falls
iP 18 10 39 d
Victoria
iP 18 13 22.0

OCTOBER 1
Horseshoe Bay
iP 20 42 48.0
Local shock

OCTOBER 2
Horseshoe Bay
iP 09 25 42.0
Local shock

OCTOBER 2
Alberni
iP 09 26 00.5
iS 09 26 14.4
Local shock

OCTOBER 2
U.S.C.G.S.
53N, 159E
Near southeast coast
of Kamchatka
H = 14 56 26
Banff
iP 15 05 24
Halifax
eP 15 08 06
Horseshoe Bay
iP 15 04 49
Kirkland Lake
eP 15 07 17 c?
e 15 07 28 c
Ottawa
eP 15 07 41 c
PP 15 10 18
Resolute
iP 15 04 27 c
eS_cP 15 09 46
eS 15 10 34
eS_cS 15 14 02
Seven Falls
eP 15 07 31? d
Shawinigan Falls
iP 15 07 42 c
i 15 07 53
pP 15 08 09
i 15 08 20
PP 15 10 21
Victoria
eP 15 04 53.6
S 15 11 41.5

OCTOBER 2
U.S.C.G.S.
24N, 109 1/2W
Southern Gulf of
California
H = 15 53 30
Resolute
eL 16 18 01

OCTOBER 2
Resolute
i 16 44 33

OCTOBER 2
Horseshoe Bay
e 19 19 06.0
Local shock

OCTOBER 2
Horseshoe Bay
e 22 20 46.5
Local shock

OCTOBER 2
Horseshoe Bay
22 30 11.4
Local shock

OCTOBER 3
Alberni
iP 00 46 20.9
iS 00 46 44.4
Horseshoe Bay
iP 00 46 10
iS 00 46 27
Victoria
iP 00 46 00.9
iS 00 46 09.9
Local shock

OCTOBER 3
U.S.C.G.S.
20S, 69 1/2W
Northern Chile
H = 08 18 49
h = about 150 km
Banff
iP 08 31 03
Halifax
iP 08 29 10 c
P_cP 08 29 35 d
Horseshoe Bay
iP 08 31 08
i 08 31 46
Kirkland Lake
iP 08 29 40 d
ipP 08 30 05 c
i 08 30 06 c
isP 08 30 17 d
i 08 30 26 c
i 08 30 36 d
i 08 30 47 c

DOMINION OBSERVATORIES

Ottawa
eP 08 29 20 c
P_cP 08 29 47
S 08 38 00
sS 08 38 42
S_cS 08 39 06
Resolute
ePP 08 36 00
eS 08 43 15
eSS 08 49 24
e 08 53 28
eG 08 58 10
Seven Falls
iP 08 29 18? c
P_cP 08 29 44? d
S 08 38 04?
sS 08 38 48?
S_cS 08 39 05?
Shawinigan Falls
iP 08 29 27 d
P_cP 08 29 54
sP 08 30 04
Victoria
iP 08 31 06.0
ipP 08 31 44
iS 08 40 47
e 08 41 20
e 08 42 07

OCTOBER 3
Resolute
e 14 13 53
e 14 21 18
e 14 21 47

OCTOBER 3
Shawinigan Falls
iP 16 45 45

OCTOBER 3
Ottawa
iP_n 17 06 45
iS_n 17 07 05
D = 180 km
Shawinigan Falls
i 17 07 08

OCTOBER 3
Resolute
eP_n 18 34 39

OCTOBER 4
Banff
iP 00 13 22
iS 00 13 23
Local shock

OCTOBER 4
Horseshoe Bay
iP 07 30 31
iS 07 31 09
Victoria
eP 07 30 18.6
Local shock

OCTOBER 4
About 200 miles off coast of Chiapas, Mexico
H = 17 15 14
Banff
eP 17 22 55
e 17 23 28
Kirkland Lake
eP 17 23 12 c
Ottawa
iP 17 22 05 c
Seven Falls
eP 17 22 22?
Shawinigan Falls
iP 17 22 23 c

OCTOBER 6
U.S.C.G.S.
16S, 179W
Fiji Islands
H = 17 00 14
Victoria
iP 17 12 22

OCTOBER 7
U.S.C.G.S.
5N, 82W
Off coast of Panama
H = 06 52 00
Ottawa
eP 06 59 40
i 06 59 44 c
Seven Falls
eP 06 59 49
Shawinigan Falls
eP 06 59 57

OCTOBER 7
Victoria
eP 07 34 24

OCTOBER 7
Banff
iP 16 56 13
iS 16 56 14
Local shock

OCTOBER 7
Banff
iP 22 58 53
e 22 58 54
Local shock

OCTOBER 8
U.S.C.G.S.
4S, 144 1/2E
Near north coast of New Guinea
H = 00 19 47
Horseshoe Bay
eP 00 33 06
Victoria
eP 00 33 02

OCTOBER 8
U.S.C.G.S.
About 200 miles off coast of Vancouver Island, B.C.
H = 01 49 09
Alberni
eP 01 49 58.9
iP 01 49 59.8
i 01 50 15.6
i 01 50 36.7
Banff
iP 01 51 28
Horseshoe Bay
eP 01 50 17
i 01 50 25
i(S) 01 50 31
Victoria
eP 01 50 13

OCTOBER 8
U.S.C.G.S.
12N, 141E
Marianas Islands region
H = 04 29 04
Banff
iP 04 42 02
Horseshoe Bay
iP 04 41 43
Victoria
iP 04 41 41.4

OCTOBER 8
U.S.C.G.S.
20S, 174W
Tonga Islands
H = 14 55 49
Halifax
eL 15 58.0
Kirkland Lake
eL 15 54.0
Resolute
eS 15 21 30
eSS 15 29 25
eL 15 42 49

OCTOBER 8
Alberni
e 19 10 47
e 19 17 40.5
e 21 02 39.6
e 21 32 21.8
e 22 52 20.6
e 23 18 46.1
Series of local events having S-P intervals of about one second.

OCTOBER 8
Victoria
eP 22 51 06

OCTOBER 8
U.S.C.G.S.
25N, 46W
Atlantic Ocean
H = 10 53 41
Banff
iP 11 03 39
Kirkland Lake
eP 11 00 40
Ottawa
iP 11 00 07 d
Shawinigan Falls
iP 10 59 57 c
Victoria
eP 11 04 14

OCTOBER 9
Victoria
eP 14 00 35

OCTOBER 9
U.S.C.G.S.
24 1/2N, 45 1/2W
Atlantic Ocean
H = 14 46 18
Banff
eP 14 56 19
Ottawa
eP 14 52 48
Shawinigan Falls
eP 14 52 50 c
Victoria
eP 14 56 54.4

OCTOBER 9
Banff
iP 21 39 25
iS 21 39 26

OCTOBER 9
Banff
iP 23 42 11
iS 23 42 15
Local shock

OCTOBER 10
Seven Falls
iP_1 05 41 10?
iS_1 05 41 15?
D = 40 km
Shawinigan Falls
iP_n 05 41 52
eS_n 05 42 16
D = 260 km

OCTOBER 10
Alberni
iP 07 09 06.5
iS 07 09 21.3

OCTOBER 11
U.S.C.G.S.
46N, 150 1/2E
Kurile Islands
H = 02 24 36
Banff
iP 02 34 25.7
Halifax
iP 02 37 01 c
ePPP 02 42 04
Horseshoe Bay
iP 02 34 04
iS 02 41 39
iS_cS 02 43 42

Kirkland Lake
iP 02 36 15 c
iP_cP 02 36 27 c
ipP 02 33 47 c?
esP 02 36 59
iPP 02 39 11 c
iS 02 45 48
isS 02 46 22
Ottawa
iP 02 36 36 c
pP 02 37 08
e 02 39 28
PP 02 39 44
PPP 02 41 33
e 02 43 00
iS 02 46 30
SS 02 52 00
SSS 02 55 40
Resolute
iP 02 33 37 c
eP_cS 02 38 35
iS 02 40 54
eS_cS 02 43 05
esSS 02 45 23
e 02 54 15
Seven Falls
eP 02 36 19?
pP 02 36 53?
PP 02 39 26?
PPP 02 41 22?
i 02 45 28?
iS 02 46 16?
SS 02 51 28?
SSS 02 54 28?
Shawinigan Falls
iP 02 36 37 c
pP 02 37 09
PP 02 39 43
PPP 02 41 36
S 02 46 31
PS 02 47 20
Victoria
eP 02 34 01.6
iP 02 34 02.5
iS 02 41 38
(S_cS) 02 43 41
G 02 47.9

OCTOBER 11
Victoria
eP 02 54 37

OCTOBER 11
Victoria
iP 15 32 20.4
iS 15 32 34.8
Local shock

OCTOBER 11
U.S.C.G.S.
40 1/2N, 126 1/2W
Off coast of Mendocino
California
H = 16 48 46
Alberni
iP 16 50 57.4
Halifax
i 16 57 10 d
iP_cP 16 58 55
eL 17 12 10
Horseshoe Bay
iP 16 51 05
iS 16 52 53
e 16 54 47
Kirkland Lake
e 16 55 23
eP 16 55 27 c
Ottawa
eP 16 55 56 c
e 16 57 08
PP 16 57 25
P_cP 16 58 18
e 17 00 38
e 17 01 28
S 17 01 44
SS 17 04 14
S_cS 17 06 26
L 17 07 12
Resolute
iP 16 55 58 d
epP 16 56 27
ePP 16 57 25
e 17 00 55
iS 17 01 45
eL 17 09 25

Saskatoon
iP 16 52 51
iS 16 56 11
Seven Falls
eP 16 56 03? d
e 16 57 26?
PP 16 57 35?
PPP 16 57 50?
P_cP 16 58 27?
S 17 02 01?
i 17 03 01?
SS 17 04 59?
S_cS 17 06 47?
e 17 07 53?
L 17 08 34?
Shawinigan Falls
eP 16 56 12 d
i 16 57 12 d
PP 16 57 44
P_cP 16 58 35
S 17 02 13
SS 17 04 53
L 17 08 09
Victoria
iP 16 50 47.8
iS 16 52 26

OCTOBER 11
U.S.C.G.S.
41N, 126W
Cape Mendocino
aftershock
H = 17 18 17
Banff
iP 17 21 23.8
Horseshoe Bay
eP 17 20 36
Ottawa
eP 17 25 27
Seven Falls
eP 17 25 33?
Shawinigan Falls
eP 17 25 41

OCTOBER 11
U.S.C.G.S.
41N, 125 1/2W
Cape Mendocino
aftershock
H = 17 22 32
Ottawa
eP 17 29 37 c
Shawinigan Falls
eP 17 29 50 d

OCTOBER 11
Alberni
iP 21 02 57.4
iS 21 03 22.7
Horseshoe Bay
iP 21 02 57
i 21 03 09
iS 21 03 17
Victoria
iP 21 03 06.3
iS 21 03 28.5
Local shock

OCTOBER 12
Banff
iP 01 07 28.6
iS 01 07 29.4
Local shock

OCTOBER 12
U.S.C.G.S.
15 1/2S, 75W
Near coast of Central
Peru
H = 02 37 45
Banff
e 02 49 26
Horseshoe Bay
eP 02 49 42
iS 02 59 34
Kirkland Lake
eP 02 48 13 c?
e 02 48 22

Ottawa
eP 02 47 54 d
S 02 56 09
e 02 57 22
SS 03 00 00
L 03 06 10
Resolute
iP 02 50 46 d
ePP 02 54 23
eS 03 01 15
eSS 03 07 43
eL 03 12 37
Seven Falls
eP 02 47 49? c
S 02 56 31?
e 03 02 48?
G 03 04 46?
Shawinigan Falls
iP 02 48 03 c
Victoria
iP 02 49 35.8
iS 02 59 23.9

OCTOBER 12
Horseshoe Bay
eP 09 43 55
e 09 44 58
Victoria
eP 09 44 08
e 09 45 12

OCTOBER 12
U.S.C.G.S.
42 1/2N, 144 1/2E
Near east coast of
Hokkaido, Japan
H = 12 22 46
Banff
eP 12 33 08
Halifax
eL 13 11.0
Kirkland Lake
eP 12 35 22
Ottawa
P 12 35 25
S 12 45 52

Resolute
iP 12 32 31 d
eS 12 40 21
eSS 12 43 43
eL 12 50 41
Seven Falls
eP 12 35 06?
S 12 45 22
Shawinigan Falls
eP 12 35 24?
Victoria
eP 12 33 01

OCTOBER 12
Alberni
iP 15 32 41.5
iS 15 33 05.7
Local shock

OCTOBER 13
U.S.C.G.S.
13N, 56 1/2W
Off north coast of
South America
H = 04 47 32
Kirkland Lake
eP 04 55 23
Ottawa
iP 04 54 50 d
Seven Falls
eP 04 54 22?
Shawinigan Falls
eP 04 54 41

OCTOBER 13
U.S.C.G.S.
9 1/2N, 70W
Western Venezuela
H = 05 04 40
Halifax
eP 05 11 38
Horseshoe Bay
eP 05 14 49
Kirkland Lake
eP 05 12 18

DOMINION OBSERVATORIES

Ottawa
eP 05 11 45
Shawinigan Falls
eP 05 11 54
Victoria
eP 05 14 46

OCTOBER 13
U.S.C.G.S.
36N, 70 1/2E
Afghanistan
H = 08 21 07
Banff
eP 68 34 15

OCTOBER 13
U.S.C.G.S.
49 1/2N, 156E
Northern Kurile Islands
H = 15 12 24
Banff
eP 15 21 48
Kirkland Lake
eP 15 24 04
Ottawa
eP 15 24 25
Resolute
eS 15 27 47
eL 15 34 38
Shawinigan Falls
eP 15 24 13
Victoria
eP 15 21 30

OCTOBER 13
Resolute
e(P) 15 20 57

OCTOBER 13
Horseshoe Bay
iP 19 01 40.4

OCTOBER 13
U.S.C.G.S.
5S, 149 1/2E
New Britain
H = 18 54 06
Halifax
eP' 19 13 16
e 19 16 48
eL 19 57.0
Ottawa
eP' 19 12 49 d
Resolute
e(SP) 19 21.0
e(SS) 19 26.4
e 19 51 11
Seven Falls
eP' 19 12 45?
Shawinigan Falls
eP' 19 12 50 d

OCTOBER 13
U.S.C.G.S.
Near coast of northern California
H = 22 55 20
Horseshoe Bay
eP 22 57 39

OCTOBER 14
Victoria
iP 09 28 32.4
i 09 28 44.7
iS 09 28 48.2
Local shock

OCTOBER 14
Victoria
iP 11 23 35.2

OCTOBER 14
Alberni
iP 12 12 49.9
iS 12 12 57.2
Local shock

OCTOBER 14
Ottawa
iP_n 16 50 15
i 16 50 17
S_n 16 50 32
D = 150 km

OCTOBER 14
U.S.C.G.S.
38N, 141 1/2E
Off east coast of Honshu, Japan
H = 21 05 36
Resolute
e 21 15 30
eP 21 16 07

OCTOBER 14
Banff
iP 22 47 51.3
iS 22 47 52.6
Local shock

OCTOBER 16
Resolute
eP_n 04 58 30
e 04 59 07
Local shock

OCTOBER 17
Banff
iP 01 28 29.1
iS 01 28 30.0
Local shock

OCTOBER 17
Resolute
e(P) 08 35 52
e 08 37 11

SEISMOLOGICAL BULLETIN - 1956

OCTOBER 17
Alberni
iP 09 37 36.3
iS 09 37 43.4
Local shock

OCTOBER 17
Halifax
iP_n 17 49 29 d
iS_n 17 49 53

OCTOBER 18
Banff
iP 00 38 49.1
iS 00 38 50.1
Local shock

OCTOBER 18
Banff
iP 01 09 15.9
iS 01 09 17.0
Local shock

OCTOBER 18
U.S.C.G.S.
Near north coast of Mindanao, Philippine Islands
H = 03 27 18
Resolute
eP 03 40 38

OCTOBER 18
Horseshoe Bay
eP 07 17 14
Victoria
eP 07 16 59
eS 07 17 10
Local shock

OCTOBER 18
Resolute
e 20 40 06
e 20 44 26

OCTOBER 19
U.S.C.G.S.
21S, 179W
Fiji Islands
H = 12 00 38
Banff
i 12 12 00.0
Horseshoe Bay
iP 12 11 16.0
Ottawa
iP' 12 18 09
Seven Falls
eP' 12 17 51?
Shawinigan Falls
iP' 12 18 14 c
Victoria
iP 12 12 12.9

OCTOBER 19
U.S.C.G.S.
56 1/2S, 122W
South Pacific Ocean
H = 14 05 34
Resolute
e 14 33 44
eSS 14 44 44
eSSS 14 49 17
e 14 56 25
eL 15 00.0

OCTOBER 19
Ottawa
iP_n 16 42 08
S_n 16 42 24
L 16 42 32
D = 130 km

OCTOBER 19
U.S.C.G.S.
52N, 177E
Rat Islands, Aleutian Islands
H = 20 47 33
Banff
iP 20 55 09.8

Halifax
iP 20 38 46 c
S 21 07 54
eL 21 23.0
Kirkland Lake
eP 20 57 42 c?
e 21 01 08
eS 21 06 06
Ottawa
iP 20 58 09 d
P_cP 20 58 46
S 21 06 42
SS 21 11 05
G 21 14 00
Resolute
iP 20 55 10 d
ePP 20 56 45
e 20 58 16
iS 21 01 22
eL 21 04 07
Saskatoon
eP 20 55 43
iS 20 02 15
Seven Falls
eP 20 57 49?
S 21 06 30?
e 21 08 34?
SS 21 10 26?
i 21 11 32?
SS 21 13 17?
L 21 17 07?
e 21 17 46?
e 21 18 49?
i 21 20 41
Shawinigan Falls
eP 20 58 11 d
P_cP 20 58 49

OCTOBER 19
U.S.C.G.S.
42 1/2N, 127W
Off coast of Oregon
H = 23 58 30
Ottawa
eP 24 05 40
Resolute
e 24 00 08
eS 24 10 56
eL 24 17 18

DOMINION OBSERVATORIES

OCTOBER 20
U.S.C.G.S.
51 1/2N, 170W
Fox Islands, Aleutian Islands
H = 03 31 24
Banff
iP 03 39 04.6
Kirkland Lake
eP 03 40 53 c?
Ottawa
iP 03 41 22 d
Shawinigan Falls
eP 03 41 26 d

OCTOBER 20
Alberni
iP 13 28 18.5
iS 13 28 36.0
Horseshoe Bay
iP 13 28 12.8
iS 13 28 26.6
Victoria
iP 13 28 02.8
iS 13 28 08.9
Local shock

OCTOBER 21
Ottawa
eP 08 40 32

OCTOBER 21
U.S.C.G.S.
25N, 109W
Southern Gulf of California
H = 08 39 45
Halifax
eL 09 01.0
Kirkland Lake
e? 08 46 20
eP 08 46 26
Ottawa
eP 08 46 37
e 08 56 06
G 08 58 02
Resolute
e 09 05 09
eL 09 10 43

OCTOBER 22
U.S.C.G.S.
52N, 177E
Rat Islands, Aleutian Islands
H = 07 26 15
Halifax
eL 08 02
Resolute
eL 07 42

OCTOBER 22
Kirkland Lake
eP 12 00 48

OCTOBER 22
U.S.C.G.S.
9 1/2S, 150E
Near southeast coast of New Guinea
H = 12.35 10
Halifax
eL 13 34.0
Resolute
eSKS 13 00 02
PS 13 02 24
SS 13 08 30

OCTOBER 23
U.S.C.G.S.
Off coast of El Salvador
H = 04 24 52
Kirkland Lake
eP 04 32 03
e 04 32 19
Ottawa
iP 04 32 09 d

OCTOBER 23
U.S.C.G.S.
3N, 95W
Northwest of Galapagos Islands
H = 08 07 35
Banff
eP 08 16 37.4
iP 08 16 32 d
Kirkland Lake
eP 08 16 07
Ottawa
iP 08 15 58 d
Resolute
e 08 18 53 d
iP 08 18 56 c
eS 08 28 25
eL 08 40 32
Seven Falls
eP 08 15 54?
Shawinigan Falls
eP 08 16 13

OCTOBER 23
U.S.C.G.S.
13 1/2N, 120 1/2E
Mindara Island, Philippine Islands
H = 08 41 22
Halifax
iP 09 00 08 d
Kirkland Lake
e 09 01 05
e 09 10 26
e 09 10 48
Ottawa
eP' 09 00 04
Resolute
iP 08 54 09 c?
epP 08 54 27
ePP 08 57 34
eS 09 04 52
e 09 21 03
e 09 28 59
Seven Falls
eP' 08 59 31? c
Shawinigan Falls
eP' 09 00 03

SEISMOLOGICAL BULLETIN - 1956

Victoria
eP 08 54 44

OCTOBER 23
Horseshoe Bay
iP 18 11 47.2
iS 18 12 05.6
Victoria
iP 18 11 47.2
iS 18 12 05.6
Local shock

OCTOBER 24
U.S.C.G.S.
12N, 87W
Near coast of Nicaragua
H = 14 42 10
Banff
iP 14 50 34
Halifax
i(P) 14 49 38
iS 14 55 56
Horseshoe Bay
eP 14 50 54
e 14 52 23
eS 14 58 00
Kirkland Lake
eP 14 49 21 c
i 14 49 24 c
i 14 49 25 d
i 14 49 48 d
e 14 50 37 c
ePP 14 50 54
e 14 55 27
e 14 57 46
Ottawa
eP 14 49 06 c
PP 14 50 20
PPP 14 50 38
e 14 53 24
S 14 54 36
e 14 55 04
L 14 56 38
Resolute
iP 14 52 40 c
ePP 14 54 55
eL 15 08 21
Saskatoon
iP 14 50 21
i 14 52 10
iS 14 56 50
e 15 00 03
Seven Falls
eP 14 49 02? c
pP 14 49 26?
i 14 50 11?
PP 14 53 33?
i 14 50 42?
PPP 14 51 20?
S 14 55 18?
L 14 57 23?
Shawinigan Falls
eP 14 49 23
PP 14 50 57
PPP 14 51 28
S 14 55 11
L 14 58 34
Victoria
eP 14 50 49
S 14 57 50

OCTOBER 25
U.S.C.G.S.
12N, 87W
Nicaragua aftershock
H = 05 21 40
Banff
iP 05 30 04
Horseshoe Bay
iP 05 30 23.2
Kirkland Lake
eP 05 28 49 c
Ottawa
iP 05 28 34 d
PP 05 30 14
PPP 05 30 30
P_cP 05 31 09
S 05 34 30
SS 05 37 06
L 05 38 32
Resolute
eP 05 32 09
e(PPP) 05 36 11
eS 05 40 38
eSS 05 44 52
eL 05 47 53
Schefferville
iP 05 30 04
iPP 05 31 38
Seven Falls
eP 05 28 31? d
PP 05 30 16?
S 05 34 51?
L 05 37 10?
Shawinigan Falls
eP 05 28 50
Victoria
eP 05 30 20

OCTOBER 25
Shawinigan Falls
e(P) 20 58 26

OCTOBER 26
U.S.C.G.S.
17 1/2S, 176E
Fiji Islands
H = 02 47 00
Horseshoe Bay
iP 02 59 41.4
Victoria
02 59 38

OCTOBER 26
U.S.C.G.S.
6 1/2S, 130E
Banda Sea
H = 08 54 46
h = 200 km
Ottawa
eP' 09 13 51
SKP 09 17 04
Schefferville
iP 09 15 19
Seven Falls
eP' 09 13 17?
SKP 09 16 36?
Shawinigan Falls
iP' 09 13 52
SKP 09 17 06

OCTOBER 26
U.S.C.G.S.
14S, 167E
New Hebrides
H = 22 50 21
Halifax
eP' 23 09 32
Horseshoe Bay
eP 23 03 15
Kirkland Lake
e(P') 23 09 36
Ottawa
eP' 23 09 15
PPP 23 12 50
PKKP 23 19 34
SS 23 27 06
Resolute
e 23 07 35
eSKS 23 15 08
ePS 23 18 16
eSS 23 24 15
eL 23 40 33
Seven Falls
eP' 23 08 49?
PPP 23 12 24?
PKKP 23 18 48?
PPS 23 22 02?
SS 23 27 09?
Shawinigan Falls
eP' 23 09 18 d
pP' 23 09 47
PPP 23 12 55
PKKP 23 19 25
Victoria
eP 23 03 14
eS 23 13 57
e 23 26.3

OCTOBER 27
Alberni
iP 03 58 18.6
iS 03 58 40.7
Horseshoe Bay
iP 03 58 03.2
i 03 58 06.1
iS 03 58 13.7
Victoria
iP 03 58 06.2
iS 03 58 18.7
Local shock

OCTOBER 27
Ottawa
eP 09 14 15

OCTOBER 27
Seven Falls
eP_n 14 40 03?
S_n 14 40 25?
D = 200 km

OCTOBER 27
U.S.C.G.S.
12N, 86W
Near coast of
Nicaragua
H = 15 33 08
Kirkland Lake
eP 15 40 01 d
Ottawa
eP 15 39 45
Resolute
eP 15 42 53
esSS 15 56 21
Schefferville
eP 15 41 21
Seven Falls
eP 15 39 40
Shawinigan Falls
eP 15 40 02 d

OCTOBER 27
Alberni
iP 19 34 44.7
iS 19 34 55.5
Local shock

OCTOBER 27
Halifax
eP 19 59 00
Ottawa
iP 19 18 26
Shawinigan Falls
iP 19 58 42 d

OCTOBER 27
Kirkland Lake
eP 21 39 54
Ottawa
eP 21 40 55

OCTOBER 28
U.S.C.G.S.
Fiji Islands
H = 02 55 03
Victoria
eP 03 07 45

OCTOBER 28
U.S.C.G.S.
32S, 179W
Kermadec Islands
H - 03 28.41
Halifax
eP 03 47 48 d
e 03 51 10
eL 04 23.0
Kirkland Lake
eP' 03 47 28
e 03 58.8
Ottawa
eP' 03 47 32
i 03 47 49
PP 03 49 23
i 03 51 10
PPP 03 51 37
PKKP 03 57 34
PS 03 59 08
SS 04 05 24
Resolute
iP' 03 47 28
PP 03 48 56
SKS 03 54 23
SKKS 03 55 51
e 03 57 39
PS 03 58 49
e 04 03 10
SS 04 05 25
eL 04 17 24

Seven Falls
eP' 03 47 08? c
i 03 47 28?
e 03 49 30?
SKS 03 04 06?
SKKS 03 55 45?
PS 03 58 45?
SS 04 05 54?
Shawinigan Falls
eP' 03 47 38 c
i 03 48 00
i 03 51 19
PPP 03 51 45
PKKP 03 57 26 d
Victoria
eP 03 42 04
S 03 52 37

OCTOBER 28
U.S.C.G.S.
17S, 173W
Tonga Islands
H = 06 42 52
Resolute
eL 07 37 12

OCTOBER 28
U.S.C.G.S.
14N, 123 1/2E
Luzon, Philippine
Islands
H = 10 45 06
Ottawa
ePP 11 05 23
Resolute
iP 10 58 00 c
eS 11 08 14
eSS 11 15 29
eL 11 20 59

OCTOBER 28
Resolute
e(P) 13 40 23

OCTOBER 29
Resolute
e 03 34 15

OCTOBER 29
Ottawa
eP 07 10 35
Seven Falls
eP 07 09 37?

OCTOBER 29
U.S.C.G.S.
Dodeconese Islands
H = 07 34 57
Halifax
eP 07 45 46
Ottawa
iP 07 46 30 d
Seven Falls
iP 07 45 33?
Shawinigan Falls
eP 07 46 15 d

OCTOBER 29
U.S.C.G.S.
8 1/2S, 77W
Central Peru
H = 15 42 08
Halifax
iP 15 51 34
Horseshoe Bay
iP 15 53 20.5
Kirkland Lake
iP 15 51 48 c
e 15 52 08 c
e 15 52 16
e 15 52 28
Ottawa
iP 15 51 29 d
ipP 15 51 49
Resolute
iP 15 54 33 c
e 16 17 24
e 16 31 01
Seven Falls
iP 15 51 10? c
pP 15 51 30?
Shawinigan Falls
iP 15 51 38 d
Victoria
iP 15 53 16.8

OCTOBER 29
U.S.C.G.S.
22S, 177W
Tonga Islands region
H = 22 33 49
Horseshoe Bay
iP 22 46 09

OCTOBER 30
U.S.C.G.S.
66 1/2N, 17 1/2W
Near coast of northern
Iceland
H = 00 11 03
Kirkland Lake
eP 00 18 11
Ottawa
eP 00 18 16
Resolute
eP 00 16 32
eS 00 20 58
eL 00 24 24
Seven Falls
eP 00 17 14?
Shawinigan Falls
eP 00 17 56 d

OCTOBER 30
Resolute
e(P) 00 54 47
e 01 27 04

OCTOBER 30
Kirkland Lake
eP 14 38 16

OCTOBER 30
Horseshoe Bay
iP 21 43 10.3
iS 21 43 37.5
Local shock

OCTOBER 31
U.S.C.G.S.
5N, 79W
Off coast of Colombia
H = 00 03 04
Kirkland Lake
eP 00 11 07

OCTOBER 31
U.S.C.G.S.
26 1/2N, 54 1/2E
Southern Iran
H = 14 03 38
Halifax
eP 14 16 46
PP 14 20 20
S 14 27 09
Kirkland Lake
eP 14 17 08
Ottawa
eP 14 17 06 d
PP 14 21 09
S 14 27 38
PS 14 29 30
PPS 14 30 20
SS 14 35 04
Resolute
eP 14 15 33 c
iP 14 15 36 c
e(P_cP) 14 16 37
ePP 14 18 18
iS 14 25 14
e 14 27 32
eSS 14 31 14
e 14 40 16
Saskatoon
e 14 28 01
Schefferville
eP 14 16 19 c
i 14 17 19
Seven Falls
eP 14 16 13? d
PP 14 19 53?
SKS 14 26 42?
PS 14 28 09?
SS 14 34 28?
G 14 39 57?
Shawinigan Falls
eP 14 16 55 d
Victoria
S_cS 14 28 31

OCTOBER 31
U.S.C.G.S.
27N, 54 1/2E
Iran aftershock
H = 14 22 19
Kirkland Lake
eP 14 35 45
Ottawa
eP 14 35 47
Resolute
eP 14 34 13
iP 14 34 16 c
eS 14 44 03
eSS 14 50 20
Seven Falls
eP 14 34 54?
Shawinigan Falls
eP 14 35 35

OCTOBER 31
Ottawa
iP_n 16 42 30
S_n 16 42 47
L 16 42 55
D = 150 km

OCTOBER 31
Ottawa
iP_n 19 35 09
S_n 19 35 26
L 19 35 34
D = 150 km

OCTOBER 31
Alberni
iP 22 24 34.5
iS 22 24 53.6
Horseshoe Bay
iP 22 24 31.9
i(S) 22 24 44.5
Victoria
iP 22 24 16.8
iS 22 24 21.1

NOVEMBER 1
U.S.C.G.S.
27 1/2 N, 54E
Southern Iran aftershock
H = 05 52 34
Resolute
eP 06 04 25
eL 06 33 44

NOVEMBER 1
Halifax
iP 08 11 41 d
Ottawa
iP 08 11 37 d
Shawinigan Falls
eP 08 11 35 c

NOVEMBER 2
U.S.C.G.S.
39N, 23E
Near east coast of
Greece
H = 16 04 30
Halifax
iP 16 14 52 d
Kirkland Lake
eP 16 15 42
Ottawa
eP 15 49 23 d
Resolute
iP 16 14 36 c
Schefferville
iP 16 14 38 d
Shawinigan Falls
eP 16 19 04 d

NOVEMBER 2
Ottawa
iP_n 17 02 09
S_n 17 02 26
L 17 02 34
D = 150 km

NOVEMBER 2
Ottawa
iP_n 17 07 24
S_n 17 07 24
L 17 07 49
D = 150 km

NOVEMBER 2
Banff
iP 21 32 58
iS 21 32 59
Local shock

NOVEMBER 2
Banff
iP 22 29 54
iS 22 29 58
Local shock

NOVEMBER 3
U.S.C.G.S.
61N, 139W
Southern Yukon,
Canada
H = 05 26 02
Banff
eP 05 30 49
Horseshoe Bay
eP 05 29 29
e 05 33 33
Kirkland Lake
e 05 44 14
Ottawa
eP 05 33 30
i 05 45 48
Resolute
eP 05 30 43
eS 05 34 26
eL 05 36 47
Schefferville
e 05 45 11
e 05 45 35
Shawinigan Falls
eP 05 33 36
e 05 46 29

NOVEMBER 3
U.S.C.G.S.
52N, 159E
Near south coast of
Kamchatka
H = 10 04 02
Resolute
eP 10 12 14

NOVEMBER 3
Alberni
iP 18 57 45.9
iS 18 58 03.4
Horseshoe Bay
iP 18 57 43.0
iS 18 57 58.0
Victoria
iP 18 57 28.1
iS 18 57 32.1
Local shock

NOVEMBER 3
Alberni
e 19 02 02.0
e 19 02 19.0
Horseshoe Bay
e 19 01 59.2
e 19 04 13.9
Victoria
iP 19 01 44.5
iS 19 01 48.4
Local shock

NOVEMBER 4
Alberni
iP 04 44 28.1
iS 04 44 47.8
Horseshoe Bay
iP 04 44 28.5
iS 04 44 50.0
Victoria
iP 04 44 16.3
iS 04 44 28.3
Local shock

NOVEMBER 4
U.S.C.G.S.
35 1/2N, 140 1/2E
Near east coast of
Honshu, Japan
H = 05 37 15
Kirkland Lake
eP 05 50 (06)
Ottawa
eP 05 50 41
Resolute
iP 05 47 45 c
Schefferville
eP 05 50 00
Shawinigan Falls
eP 05 50 04
Victoria
iP 05 48 11.8

NOVEMBER 4
U.S.C.G.S.
22S, 175W
Tonga Islands
H = 07 05 43
Banff
eP 07 18 41
Halifax
e(S) 07 36 02
Horseshoe Bay
eP 07 18 18
Ottawa
eP' 07 24 20
Resolute
eP' 07 23 49
SKKS 07 33 57
pPS 07 42 57
eG 07 58 08
Victoria
eP 07 18 14

DOMINION OBSERVATORIES

NOVEMBER 4
U.S.C.G.S.
34S, 68W
Mendoza Province, Argentina
H = 08 35 20
Kirkland Lake
eP 08 47 (49)

NOVEMBER 4
U.S.C.G.S.
Southern Quebec, Canada
H = 11 53 30
Halifax
e(S_n) 11 57 53
Kirkland Lake
e(S_n) 11 54 (27)
eS_1 11 55 (15)
Ottawa
iP_1 11 53 39
iS_1 11 53 49
Schefferville
eP_n 11 56 01
eS_1 11 58 44
Seven Falls
iP_n 11 53 43?
iS_n 11 54 21?
Shawinigan Falls
iP_n 11 54 01
i 11 54 05
iS_n 11 54 29
D = 280 km

NOVEMBER 4
Resolute
e(P) 19 59 08

NOVEMBER 4
U.S.C.G.S.
61N, 139W
Yukon, Canada
H = 21 40 55
Resolute
eP 21 45 36
eL 21 51 52
Victoria
eP 21 44 33

NOVEMBER 4
Alberni
iP 21 51 42.2
iS 21 51 49.5
Victoria
iP 21 51 45.5
iS 21 51 54.1
Local shock

NOVEMBER 5
Banff
iP 21 10 45.5
Local shock

NOVEMBER 5
Banff
iP 22 41 49.6
iS 22 41 53.4
Local shock

NOVEMBER 6
U.S.C.G.S.
Tonga Islands
H = 00 03 15
Victoria
eP 00 15 46.4

NOVEMBER 6
U.S.C.G.S.
5 1/2S, 134E
Aru Islands
H = 14 12 35
Halifax
eP' 14 32 06
Kirkland Lake
eP' 14 31 44
Ottawa
eP' 14 31 54
Resolute
eP 14 26 47
pP 14 30 46
ePPS 14 42 23
eSS 14 45 27
Seven Falls
eP' 14 31 13?
Shawinigan Falls
eP' 14 31 55

NOVEMBER 6
U.S.C.G.S.
52N, 176W
Andreanof Islands, Aleutian Islands
H = 23 14 20
Banff
iP 23 21 30.7

NOVEMBER 7
Ottawa
iP_n 17 18 15
S_n 17 18 33
L 17 18 40
D = 160

NOVEMBER 8
U.S.C.G.S.
24S, 179E
Fiji Islands region
H = 03 45 51
Victoria
iP 03 57 50.9

NOVEMBER 8
U.S.C.G.S.
18S, 178W
Fiji Islands region
H = 06 50 24
Horseshoe Bay
iP 07 02 00
Victoria
iP 07 01 57.3
e(pP) 07 03 48.9

SEISMOLOGICAL BULLETIN - 1956

NOVEMBER 8
U.S.C.G.S.
9N, 126E
Mindanao, Philippine Islands
H = 15 44 50
Resolute
eP 15 58 04
iP 15 58 08 d

NOVEMBER 8
Horseshoe Bay
iP 23 13 35.1
iS 23 14 00.8
Victoria
iP 23 13 25.7
iS 23 13 43.1
Local shock

NOVEMBER 9
U.S.C.G.S.
36N, 34 1/2W
North Atlantic Ocean
H = 06 01 51
Halifax
iP 06 07 04 c
Kirkland Lake
eP 06 08 56
Resolute
eP 06 10 34 c
eS 06 17 36
eL 06 25 12
Shawinigan Falls
eP 06 08 06
PP 06 09 06

NOVEMBER 9
U.S.C.G.S.
17N, 94W
Southern Mexico
H = 13 06 10
Banff
eP 13 13 18
Halifax
eP 13 13 15
isP 13 13 49
iPP 13 14 48
Horseshoe Bay
iP 13 13 35.9
pP 13 14 07.5
S 13 19 31
Kirkland Lake
eP 13 12 34 c
i 13 12 37 d
Ottawa
iP 13 12 30
sP 13 13 01
e 13 13 20
PP 13 13 40
S 13 17 32
e 13 18 26
L 13 19 12
Resolute
eP 13 15 45 c
iP 13 15 46 d
ePPP 13 19 18
iS 13 23 36
eS_cS 13 25 25
ePKKP 13 25 25
Saskatoon
iP 13 13 05
iS 13 18 36
Schefferville
e 13 00 (00)
iP 13 00 (02.5) d
iPP 13 00 (37.5)
e 13 06 (13)
Seven Falls
eP 13 12 10?
i 13 12 14?
SP 13 12 47?
i 13 13 01?
PPP 13 13 28?
e 13 14 03?
e 13 14 34?
P_cP 13 14 41?
S 13 17 16?
e 13 18 17?
SSS 13 19 35?
L 13 20 36
Shawinigan Falls
eP 13 12 47
sP 13 13 21
PP 13 13 59
S 13 18 05
e 13 19 03
L 13 21 20
Victoria
eP 13 13 30
iP 13 13 32.7

NOVEMBER 10
U.S.C.G.S.
10 1/2N, 86W
Near coast of Costa Rica
H = 00 08 27
Kirkland Lake
eP 00 15 37
Ottawa
iP 00 15 21
S 00 21 02
S_cS 00 26 02
L 00 27 15
Resolute
e 00 38.9
e 00 50.1
Seven Falls
eP 00 14 59
Shawinigan Falls
eP 00 15 36

NOVEMBER 10
Horseshoe Bay
iP 09 08 47.0
Victoria
iP 09 08 34.7
Local shock

NOVEMBER 10
U.S.C.G.S.
16N, 121E
Luzon, Philippine Islands
H = 14 39 56
Horseshoe Bay
eP 14 53 18
Resolute
iP 14 52 43 d
eS 15 03 23
eL 15 32 13

NOVEMBER 10
Banff
iP 20 24 35.1
Local shock

NOVEMBER 11
U.S.C.G.S.
44N, 149E
Kurile Islands
H = 19 15 20
Halifax
iP 19 28 08 d
Horseshoe Bay
iP 19 25 10.3
Kirkland Lake
eP 19 27 (23) c
Ottawa
iP 19 27 44
Resolute
iP 19 25 46 c
e 19 31 43
eL 19 43 16
Seven Falls
eP 19 26 58?
Shawinigan Falls
eP 19 27 45
Victoria
iP 19 25 14.1

NOVEMBER 12
Horseshoe Bay
iP 07 23 52
i 07 26 28.8
Victoria
iP 07 23 55.5

NOVEMBER 13
U.S.C.G.S.
73N, 7E
Svalbard region
H = 02 58 37
Resolute
eP 03 04 01

NOVEMBER 13
U.S.C.G.S.
48 1/2S, 124E
Indian Ocean, about
1,000 miles south of
Australia
H = 09 55 29
Resolute
eP' 10 15 13 c
iP' 10 15 18 c
e 11 12 43

NOVEMBER 13
U.S.C.G.S.
15N, 123E
Near coast of Luzon,
Philippine Islands
H = 14 38 51
Resolute
iP 14 51 41 c

NOVEMBER 14
U.S.C.G.S.
36 1/2N, 71E
Hindu Kush
H = 00 51 27
Banff
iP 01 04 29.8
Horseshoe Bay
eP 01 04 34.6
Kirkland Lake
eP 01 04 34 c
Ottawa
iP 01 04 35
Resolute
iP 01 02 24 c
esP 01 03 37
eS 01 11 16
eSS 01 15 01
eSSS 01 18 55
e 01 25 18
Seven Falls
eP 01 03 30?
Shawinigan Falls
eP 01 04 27
PP 01 04 55
Victoria
eP 01 04 39.4

NOVEMBER 15
Alberni
iP 12 40 19.4
iS 12 40 50.4
Local shock

NOVEMBER 15
U.S.C.G.S.
5S, 104 1/2W
Galapagos Islands
foreshock
H = 14 17 19
Resolute
eP 14 29 21
eL 14 47 34

NOVEMBER 15
U.S.C.G.S.
3S, 103 1/2W
Pacific Ocean, about
900 miles west of
Galapagos Islands
H = 17 25 55
Resolute Bay
eP 17 39 53
eS 17 49 52
eL 18 01 00

NOVEMBER 15
Banff
iP 23 22 47.3
eS 23 22 51.1

NOVEMBER 15
Alberni
iP 23 23 54.2
iS 23 24 08.7

NOVEMBER 16
U.S.C.G.S.
35 1/2N, 121W
Near coast of
California
H = 03 23 05
Banff
eP 03 26 59
Horseshoe Bay
eP 03 26 25
Resolute
eP 03 30 52
eL 03 53

NOVEMBER 16
U.S.C.G.S.
Rat Islands,
Aleutian Islands
H = 06 23 10
Resolute
eP 06 30 49

NOVEMBER 16
Ottawa
P_n 07 18 10
S_n 07 18 28
Seven Falls
$e(P_n)$ 07 17 49?
$i(S_n)$ 07 18 23?
Shawinigan Falls
iP_n 07 18 21
iS_n 07 18 39
D = 160 km

NOVEMBER 16
U.S.C.G.S.
41N, 116W
Northeastern Nevada
H = 08 26 11
Banff
eP 08 28 42
e 08 31 33
Horseshoe Bay
eP 08 28 34

NOVEMBER 16
Resolute
eP 08 44 09

NOVEMBER 16
U.S.C.G.S.
4S, 139E
Central New Guinea
H = 08 48 14
Horseshoe Bay
iP 09 01 38.3
Resolute
eP 09 01 58
ePP 09 06 09

NOVEMBER 16
U.S.C.G.S.
14N, 123E
Southern Luzon,
Philippine Islands
H = 11 43 35
Banff
e 12 03 39
Horseshoe Bay
eP 12 04 00
Resolute
iP 11 56 30 c
e 12 04 57 c
e 12 06 35
eL 12 20 51
Victoria
eP 12 03 59

NOVEMBER 16
U.S.C.G.S.
8 1/2N, 71W
Northwestern Venezuela
H = 11 53 54
Kirkland Lake
eP 12 01 38 c
Ottawa
eP 12 01 12
Seven Falls
eP 12 00 28?
Shawinigan Falls
eP 12 01 18
PP 12 03 03
PPP 12 03 33

NOVEMBER 16
U.S.C.G.S.
18S, 69W
Peru-Bolivia-Chile
border region
H = 22 02 19
Banff
iP 22 14 15.4
Ottawa
eP 22 12 38 d
Schefferville
iP 12 03 (30) d
i 12 05 (05) d
Seven Falls
iP 22 11 53? d
Shawinigan Falls
iP 22 12 45 c

NOVEMBER 16
Banff
iP 22 38 36.6
iS 22 38 40.4
Local shock

NOVEMBER 17
Horseshoe Bay
iP 16 12 35.5
iS 16 12 40.4
Local shock

NOVEMBER 17
Alberni
iP 17 26 03.6
iS 17 26 20.1
Horseshoe Bay
eP 17 26 11.6
eS 17 26 31.0
Victoria
iP 17 25 59.9
i 17 26 07.4

NOVEMBER 17
U.S.C.G.S.
27 1/2N, 126E
Ryukyu Islands region
H = 19 15 06

Resolute
eP 19 26 20

NOVEMBER 17
Banff
iP 20 12 14.2
iS 20 12 17.5
Local shock

NOVEMBER 17
U.S.C.G.S.
54 1/2N, 134W
Queen Charlotte Islands region
H = 20 27 15
Alberni
eP 20 29 09
e(S) 20 30 32
e 20 31 07
Banff
iP 20 30 06.6
eS 20 33 07.3
Halifax
eL 20 50 00
Horseshoe Bay
eP 20 29 20
S 20 30 42
Kirkland Lake
eP 20 33 58
iL 20 44 39
Ottawa
iP 20 34 32 d
PPP 20 36 29
P_cP 20 36 53
S 20 40 24
S_cS 20 45 02
L 20 46 08
e 20 46 40
i 20 46 40
Resolute
iP 20 32 46 c
e 20 34 06
iS 20 37 22
eL 20 38 50
Saskatoon
iP 20 31 03
iS 20 34 06
i 20 35 28
i 20 35 55

Schefferville
eP 20 34 (36)
eL 20 46 (35)
Seven Falls
eP 20 33 55?
PP 20 35 27?
PPP 20 35 51?
P_cP 20 36 03?
S 20 39 53?
SS 20 42 19?
S_cS 20 43 57?
e 20 44 42?
L 20 45 23?
Shawinigan Falls
iP 20 34 41 d
PP 20 36 12
P_cP 20 37 02
S 20 40 54
S_cS 20 44 57
L 20 47 06
Victoria
eP 20 29 27.2
iS 20 30 51.7

NOVEMBER 18
Banff
iP 00 07 00.6
Local shock

NOVEMBER 18
Horseshoe Bay
iP 03 57 32.8
iS 03 57 56.5
Victoria
iP 03 57 21.9
iS 03 57 37.0
Local shock

NOVEMBER 18
Alberni
iP 14 43 37.8
eS 14 44 06.8
Horseshoe Bay
iP 14 43 25.8
iS 14 43 47.9

Victoria
iP 14 43 17.7
iS 14 43 33.4
Local shock

NOVEMBER 18
U.S.C.G.S.
27S, 176W
Kermadec Islands region
H = 18 16 25
Resolute
eSKKS 18 42 47
SS 18 51 38
eL 19 02 44

NOVEMBER 18
U.S.C.G.S.
28 1/2N, 129 1/2E
Ryukyu Islands
H = 21 22 38
Resolute
iP 21 34 09 c
eL 22 00 26

NOVEMBER 19
U.S.C.G.S.
14N, 144E
Marianas Islands
H = 12 02 26
Banff
iP 12 14 54.7
Horseshoe Bay
eP 12 14 37
Resolute
iP 12 14 51 d
ePS 12 26 06
eL 12 43 19
Victoria
eP 12 14 34

NOVEMBER 19
Banff
iP 22 46 35.2

NOVEMBER 20
U.S.C.G.S.
7S, 129E
Banda Sea
H = 11 03 30
Ottawa
eP' 11 22 53 d
Schefferville
iP 11 (37.0) d
Seven Falls
eP' 11 21 54? d
Shawinigan Falls
eP' 11 22 52 d

NOVEMBER 20
U.S.C.G.S.
1/2S, 123 1/2E
Near east coast of Celebes
H = 11 58 55
Kirkland Lake
eP' 12 17 46 d
Ottawa
eP' 12 17 54 d
iSKP 12 21 10 c
Seven Falls
eP' 12 16 55
iSKP 12 20 10 c
Shawinigan Falls
iP' 12 17 54 d
iSKP 12 21 10 c

NOVEMBER 20
U.S.C.G.S.
39 1/2N, 25 1/2E
Aegean Sea
H = 23 20 52
Halifax
eP 23 31 26
Ottawa
eP 23 32 09
Seven Falls
eP 23 30 44? c
Shawinigan Falls
eP 23 31 53

NOVEMBER 21
Schefferville
eP 00 (19.0) c

NOVEMBER 21
U.S.C.G.S.
49N, 141 1/2E
Off west coast of Sakhalin
H = 06 22 10
Ottawa
eP 06 34 24 c
Resolute
iP 06 31 15 d

NOVEMBER 21
U.S.C.G.S.
38N, 142E
Near coast of northern Honshu, Japan
H = 07 33 28
Banff
iP 07 44 26.1
Horseshoe Bay
iP 07 44 04.7
Kirkland Lake
eP 07 46 07 c
Ottawa
eP 07 46 25 c
Resolute
iP 07 43 41 c
ePPP 07 47 21
eS 07 51 56
eSS 07 55 52
eL 08 02 08
Seven Falls
eP 07 45 24
Shawinigan Falls
iP 07 46 25 c
Victoria
iP 07 44 06.9

NOVEMBER 21
U.S.C.G.S.
4S, 152 1/2E
Solomon Islands
H = 07 49 47
Schefferville
iP 08.5 d

NOVEMBER 21
Banff
iP 15 10 53.8
Local shock

NOVEMBER 21
Alberni
iP 22 02 21.4
iS 22 02 43
Horseshoe Bay
iP 22 03 04.9
iS 22 03 15.1
Victoria
iP 22 03 10.1
iS 22 03 23.6
Local shock

NOVEMBER 21
U.S.C.G.S.
15 1/2N, 99 1/2W
Near coast of Guerrero, Mexico
H = 22 06 55
Resolute
eSS 22 27 48
eL 22 38 23

NOVEMBER 22
Alberni
iP 00 24 08.0
iS 00 24 30.3
Horseshoe Bay
iP 00 23 53.8
Victoria
iP 00 23 53.3
iS 00 24 03.8
Local shock

NOVEMBER 22
U.S.C.G.S.
8 1/2N, 82 1/2W
Panama-Costa Rica border
H = 08 32 45
Ottawa
iP 08 40 03 d
Resolute
e(S_cS) 08 55 46
eL 09 00 30

NOVEMBER 22
Banff
iP 22 00 34.0
Local shock

NOVEMBER 22
Alberni
iP 22 56 12.2
iS 22 56 23.6

NOVEMBER 23
U.S.C.G.S.
52 1/2N, 169 1/2W
Fox Islands, Aleutian Islands
H = 10 00 50
Banff
eP 10 10 08.4
Ottawa
eP 10 10 39 c

NOVEMBER 24
U.S.C.G.S.
22 1/2S, 67W
Argentina-Bolivia border
H = 01 56 06
Horseshoe Bay
iP 02 08 41.3
i 02 09 12.4
Kirkland Lake
eP 02 07 17 c
e 02 07 48
Ottawa
eP 02 06 58
e 02 07 12
P_cP 02 07 29
Seven Falls
eP 02 06 02?
i 02 06 16
Shawinigan Falls
eP 02 07 03
Victoria
iP 02 08 40.9

NOVEMBER 24
U.S.C.G.S.
26S, 176W
Tonga Islands region
H = 20 42 06
Resolute
eL 21 30 19
Victoria
eP 20 54 58
iS 21 05 55

NOVEMBER 24
Banff
iP 22 58 39.8
iS 22 58 40.7
Local shock

NOVEMBER 25
U.S.C.G.S.
Tonga Islands
H = 07 21 36
Ottawa
iP' 07 39 32 d

NOVEMBER 25
Halifax
eP 08 08 15

NOVEMBER 25
U.S.C.G.S.
54N, 164W
Unimak Island region, Aleutian Islands
H = 11 24 59
Resolute
eP 11 31 42 d
eL 11 42 41
Horseshoe Bay
eP 11 30 27
Victoria
eP 11 30 30

NOVEMBER 25
Kirkland Lake
e 11 43 40
Trace of a local shock

NOVEMBER 25
U.S.C.G.S.
17S, 71 1/2W
Near coast of southern Peru
H = 14 15 10
Banff
iP 14 27 34.6
Horseshoe Bay
iP 14 27 16.8
Kirkland Lake
iP 14 25 47 c
i 14 26 02 c
Ottawa
iP 14 25 27 c
Seven Falls
iP 14 20 30? c
Shawinigan Falls
iP 14 25 34 c

NOVEMBER 25
Resolute
e 15 24 52
e 15 28 42
Shawinigan Falls
iP' 15 25 02 d

NOVEMBER 25
U.S.C.G.S.
15S, 168E
New Hebrides Islands
H = 18 07 40

Horseshoe Bay
iP 18 20 25.3
Ottawa
iP' 18 26 24 d
Resolute
e(S) 18 35 10
e 18 41 34
eL 18 55 08
Seven Falls
eP' 18 25 21? c
Shawinigan Falls
eP' 18 26 27
Victoria
eP 18 20 24

NOVEMBER 26
Horseshoe Bay
iP 00 00 23.1
iS 00 00 50.4
Victoria
iP 00 00 10.4
iS 00 00 28.0
Local shock

NOVEMBER 26
Horseshoe Bay
eP 01 06 39
Local shock

NOVEMBER 26
Horseshoe Bay
iP 03 11 14.6
Resolute
iP 03 11 11 c
i 03 11 39

NOVEMBER 26
U.S.C.G.S.
37N, 90 1/2W
Missouri
H = 04 12 42
Kirkland Lake
e 04 18 27
eL_g 04 19 44
Ottawa
iS 04 18 41
i 04 19 14
Seven Falls
e 04 20 33?
Shawinigan Falls
eL 04 20 12
i 04 21 04

NOVEMBER 26
U.S.C.G.S.
1/2N, 122 1/2E
Celebes
H = 05 07 55
Ottawa
eP' 05 27 11
eSKP 05 30 24
Seven Falls
eSKP 05 29 14?
Shawinigan Falls
SKP 05 30 23 d

NOVEMBER 26
Banff
eP 16 01 16

NOVEMBER 26
U.S.C.G.S.
26S, 70 1/2W
Northern Chile
H = 18 49 56
Horseshoe Bay
iP 19 02 40.2
Kirkland Lake
iP 19 01 25 c
e 19 01 40 d?
Ottawa
iP 19 01 07 c
i 19 01 23 c
PP 19 01 29 c
S 19 10 20
S_cS 19 10 48
PS 19 11 07
Resolute
pP 19 03 52
PP 19 07 53
eS 19 15 09
eSS 19 22 43
eSSS 19 26 27
eG 19 32 22
Seven Falls
iP 19 00 06? c
i 19 00 21?
pP 19 00 27?
S 19 09 30?
S_cS 19 10 00?
Shawinigan Falls
iP 19 01 19 c
i 19 01 29 c
pP 19 01 35 c
Victoria
iP 19 02 38.4

NOVEMBER 26
U.S.C.G.S.
22S, 169E
Loyalty Islands
H = 23 29 41
Horseshoe Bay
eP 23 42 55
Kirkland Lake
eP' 23 48 36
Ottawa
iP' 23 48 39 d
Resolute
eP' 23 48 16
eS 23 56 09
PS 23 58 35
eSS 24 03 42
SSS 24 07 47
e 24 12 04
eL 24 23 09
Seven Falls
eP' 23 47 36? d
SKKS 23 56 24?
PS 23 59 25?
SS 24 06 37?
Shawinigan Falls
iP' 23 48 43 d
Victoria
eP 23 42 52.8
iS 23 53 31

DOMINION OBSERVATORIES

NOVEMBER 27
U.S.C.G.S.
21S, 168 1/2E
Loyalty Islands aftershock
H = 00 51 46
Horseshoe Bay
eP 01 05 01
Victoria
eP 01 04 57

NOVEMBER 27
Ottawa
iP_n 01 57 05
i 01 57 10
iS_n 01 57 27
i 01 57 33
D = 205 km

NOVEMBER 27
Resolute
e 07 56 21
e 08 02 12

NOVEMBER 27
U.S.C.G.S.
21S, 169E
Loyalty Islands aftershock
H = 13 19 05
Horseshoe Bay
eP 13 32 22
Resolute
ePP 13 48 09
eS 13 54 22
(SSS) 14 05 37
eL 14 20 29
Victoria
eP 13 32 21

NOVEMBER 27
Banff
iP 23 02 41.9
iS 23 02 42.8
Local shock

NOVEMBER 28
Horseshoe Bay
iP 09 21 11.9
i 09 22 01

NOVEMBER 28
U.S.C.G.S.
30S, 176W
Kermadec Islands
H = 15 11 33
Resolute
eP' 15 30 18
Victoria
eP 15 24 42

NOVEMBER 28
U.S.C.G.S.
49 1/2N, 155E
Northern Kurile Islands
H = 19 27 11
Banff
iP 19 36 36
Horseshoe Bay
iP 19 36 12.7
eS 19 43 26
e 19 46 25
Kirkland Lake
iP 19 38 35 c
Ottawa
iP 19 38 59 c
P_cP 19 39 10
i 19 39 33
PP 19 41 40
S 19 48 38
S_cS 19 49 02
PS 19 49 12
PPS 19 49 29
SSS 19 57 10
L 20 02 20
Resolute
iP 19 35 52 c
e 19 37 20
iPP 19 37 45
iS 19 42 50
eS_cS 19 45 30
eL 19 46 45
Seven Falls
eP 19 37 47 c
S 19 47 28
Shawinigan Falls
iP' 19 39 01
pP 19 39 29
Victoria
iP 19 36 15.5
eS 19 43 32
e(SS) 19 46 29
e 19 51.9

NOVEMBER 29
U.S.C.G.S.
58S, 46 1/2W
South Orkney Islands region
H = 04 13 35
Horseshoe Bay
iP 04 32 25.2
Resolute
iP' 04 32 50 d
iPP 04 35 39
Victoria
eP 04 32 25

NOVEMBER 29
Resolute
e 05 18 10
e 05 25 03

NOVEMBER 29
U.S.C.G.S.
27N, 141E
Bonin Islands
H = 07 16 07
Resolute
eP 07 27 31

NOVEMBER 29
U.S.C.G.S.
27N, 141E
Bonin Islands foreshock
H = 09 15 20

Banff
eP 09 27 18
Horseshoe Bay
iP 09 26 56.9
Resolute
iP 09 26 49 d
e(P_cP) 09 27 54
PP 09 29 34
PPP 09 31 17
S 09 35 58
SS 09 40 50
eL 09 54 23
Victoria
iP 09 26 58.6
eS 09 36 31

NOVEMBER 29
U.S.C.G.S.
27 1/2N, 141 1/2E
Bonin Islands aftershock
H = 14 36 20
Resolute
eP 14 47 47
iP 14 47 55 d

NOVEMBER 30
U.S.C.G.S.
Near north coast of Vancouver Island, B.C., Canada
H = 16 42 03
Horseshoe Bay
eP 16 43 05
Resolute
eL 16 56 41
Victoria
iP 16 43 06.8
i(S) 16 44 37
Local to the Western Division.

NOVEMBER 30
Victoria
iP 16 48 01.8

NOVEMBER 30
U.S.C.G.S.
20 1/2S, 174 1/2W
Tonga Islands
H = 16 51 28
Banff
iP 17 04 19
Ottawa
eP' 17 10 06
Resolute
eL 17 42 18

NOVEMBER 30
Ottawa
iP_n 17 48 32
iS_n 17 49 04
D = 340 km
Shawinigan Falls
iP_n 17 48 23
eS_n 17 48 47
Shawinigan time correction uncertain.

NOVEMBER 30
U.S.C.G.S.
31 1/2S, 70W
San Juan Province, Argentina
H = 19 30 34
Banff
P 19 43 28
Kirkland Lake
eP 19 42 28.5 c
i 19 42 29 d
Ottawa
iP 19 42 13 d
P_cP 19 42 20
Resolute
ePP 19 48 49
Seven Falls
iP 19 41 03? d
P_cP 19 41 09?
Shawinigan Falls
iP 19 42 18? d

DECEMBER 1
U.S.C.G.S.
22S, 169E
Loyalty Islands
H = 07 43 51
Ottawa
eP' 08 02 53

DECEMBER 1
Alberni
iP 08 26 34.8
iS 08 26 51.1
Horseshoe Bay
iP 08 26 39.9
iS 08 27 01.9
Victoria
iP 08 28 28.8
iS 08 26 41.2
Local shock

DECEMBER 1
U.S.C.G.S.
17 1/2S, 72 1/2W
Off coast of southern Peru
H = 21 24 54
Banff
iP 21 36 57 c
Horseshoe Bay
iP 21 37 09.5
Kirkland Lake
eP 21 35 43 c
Resolute
eP 21 38 11
eL 22 05 56

DECEMBER 2
U.S.C.G.S.
18 1/2N, 69W
Near east coast of Dominican Republic
Victoria
iP 01 55 06

DOMINION OBSERVATORIES

DECEMBER 2
U.S.C.G.S.
52 1/2N, 169W
Fox Islands foreshock
H = 02 59 56
Banff
eP 03 06 28
Kirkland Lake
eP 03 09 21 c
Ottawa
iP 03 09 48 c
Resolute
iP 03 07 01
eS 03 11 52
eS_cS 03 16 51
eL 03 22 57
Shawinigan Falls
eP 03 09 (51) c
Victoria
iP 03 05 57

DECEMBER 2
U.S.C.G.S.
27 1/2N, 137 1/2E
Bonin Islands region
H = 05 53 45
Resolute
eP 06 04 56

DECEMBER 2
U.S.C.G.S.
Tonga Islands
H = 16 33 36
Resolute
e(P) 16 50 54
e(S) 16 57 36

DECEMBER 3
Resolute
iP 04 04 55 d?
e 04 12 19

DECEMBER 3
U.S.C.G.S.
53N, 169W
Fox Islands foreshock
H = 07 12 44
Banff
eP 07 19 11

DECEMBER 3
U.S.C.G.S.
53 1/2N, 169W
Fox Islands Aleutian Islands
H = 07 20 08
Banff
eP 07 26 35
Kirkland Lake
eP 07 29 (45) c
Ottawa
eP 07 29 56
S 07 37 54
Resolute
iP 07 27 10 d
ePP 07 28 28
eS 07 32 13
e 07 33 44
eS_cS 07 37 02
eL 07 39 05
Saskatoon
e 07 29 02
Schefferville
eP 07 d
Seven Falls
eP 07 28 42? d
S 07 36 44?
S_cS 07 38 41?
SS 07 40 59?
SSS 07 43 10?
L 07 46 37?
Shawinigan Falls
eP 07 30 (00)
Victoria
eP 07 25 08
eS_cS 07 31 46
eS 07 30 56
e 07 32.3
eL 07 34.6

DECEMBER 3
U.S.C.G.S.
52 1/2N, 169W
Fox Islands aftershock
H = 07 44 55
Kirkland Lake
eP 07 54 (14)
Ottawa
eP 07 54 46
Resolute
iP 07 51 58
iP_cP 07 54 11
e 08 08 36
ePKS 08 09 19
Schefferville
eP 07 c?
Seven Falls
eP 07 53 30?
Shawinigan Falls
eP 07 54 (49) d

DECEMBER 4
U.S.C.G.S.
50N, 156E
Kurile Islands
H = 08 44 28
Banff
iP 08 54 44
Kirkland Lake
e(P) 08 55 47
Resolute
iP 08 53 02 d
i 08 59 01
eS 08 59 51

DECEMBER 4
Banff
eP 08 59 09

DECEMBER 4
U.S.C.G.S.
45 1/2S, 106W
South Pacific Ocean
H = 10 07 54
Kirkland Lake
eP 10 21 21
Resolute
eP' 10 26 45
eS 10 35 44
eSS 10 44 39

SEISMOLOGICAL BULLETIN - 1956

DECEMBER 4
U.S.C.G.S.
53N, 169W
Fox Islands aftershock
H = 10 42 10
Kirkland Lake
eP 10 51 29
Resolute
iP 10 49 11 d
eP 10 49 57
eS 10 55 13
eL 10 58 31
Seven Falls
eP 10 50 43?
L 11 10 06?
Shawinigan Falls
eP 10 52 (03)

DECEMBER 4
Banff
iP 18 55 36.1
iS 18 55 39.4
Local shock

DECEMBER 4
Banff
iP 20 32 16.7
iS 20 32 20.0
Local shock

DECEMBER 4
Resolute
iP 21 11 31 c

DECEMBER 4
U.S.C.G.S.
15N, 92W
Guatemala
H = 23 01 35
Banff
eP 23 09 06 d?
Horseshoe Bay
iP 23 09 28 d
i 23 09 51
i 23 10 09
Kirkland Lake
eP 23 08 13
Ottawa
iP 23 08 04
pP 23 08 23
PP 23 09 24
sPP 23 09 48
S 23 13 20
e 23 13 44
e 23 14 08
e 23 15 00
SS 23 15 35
SSS 23 16 08
L 23 16 32
Resolute
eP 23 11 27
eSP 23 12 09
eP_cP 23 12 15
ePPP 23 14 57
eS_cP 23 15 59
eS 23 19 32
eSS 23 19 32
eSSS 23 27 01
ePKKP 23 30 43
e 23 32 31
Seven Falls
P 23 07 06?
PP 23 08 35?
S 23 12 45?
SS 23 15 33?
S_cS 23 17 15?
L 23 19 08?
Shawinigan Falls
iP 23 08 (22) d
pP 23 08 (43)
sP 23 08 (54)
PP 23 09 (48)
Victoria
iP 23 09 17.8 c
e 23 09 42
L 23 24.0

DECEMBER 5
U.S.C.G.S.
Near coast of Colima, Mexico
H = 05 24 27
Resolute
e 05 52 08

DECEMBER 5
Resolute
eP 18 08 08

DECEMBER 5
Alberni
iP 23 04 07.3
iS 23 04 26.0
Horseshoe Bay
iP 23 03 51.6
Victoria
iP 23 04 01.1
iS 23 04 13.6
Local shock

DECEMBER 6
Alberni
iP 23 35 59.4
iS 23 36 17.0
Victoria
iP 23 35 44.5 c
iS 23 35 49.6
Local shock

DECEMBER 6
Alberni
iP 23 37 03.5
iS 23 37 17.9
Victoria
iP 23 36 48.8
iS 23 36 52.4
Local shock

DECEMBER 7
U.S.C.G.S.
Sulu Sea
H = 11 21 00
Resolute
eP 11 34 23

DECEMBER 7
Alberni
iP 12 47 07.0
iS 12 47 22.2

Horseshoe Bay
iP 12 47 04
iS 12 47 16
Local shock

DECEMBER 7
U.S.C.G.S.
Near southeastern
Sumatra
H = 14 30 24
Banff
eP' 14 48 41

DECEMBER 7
Alberni
iP 23 43 22.6
iS 23 43 38.2
Victoria
iP 23 43 10.0
iS 23 43 11.5
Local shock

DECEMBER 8
U.S.C.G.S.
51N, 179 1/2W
Andreanof Islands,
Aleutian Islands
H = 16 10 27
Banff
eP 16 17 59 c
Halifax
eP 16 21 34
Horseshoe Bay
iS 16 22 56
L 16 33.1
Kirkland Lake
eP 16 20 28 c?
Ottawa
eP 16 20 56 d
Resolute
iP 16 18 02 c
ePP 16 19 41
e 16 22 34
eS 16 23 54
eL 16 27 28
Saskatoon
eS 16 24 46
Schefferville
eP 16 c
Seven Falls
eP 16 19 28?
PP 16 19 48?
e 16 23 49?
e 16 25 35?
S 16 28 03?
i 16 28 10?
S_cS 16 29 33?
SS 16 32 44?
L 16 34 44?
Shawinigan Falls
eP 16 21 (01)
Victoria
iP 16 17 24
iS 16 23 00
e 16 24 28
L 16 25.6

DECEMBER 8
Banff
eP 16 24 00

DECEMBER 9
U.S.C.G.S.
53N, 169W
Fox Islands aftershock
H = 05 19 06
Resolute
eP 05 26 10
eL 05 36 09

DECEMBER 9
U.S.C.G.S.
6S, 152E
New Britain
H = 11 28 29
Resolute
e(SSS) 12 05 26

DECEMBER 9
U.S.C.G.S.
Off east coast of
Kamchatka
H = 17 00 45
Resolute
eP 17 08 56 d?

DECEMBER 10
U.S.C.G.S.
Bonin Islands
H = 08 13 30
Resolute
eP 08 24 44

DECEMBER 10
Alberni
eP 16 52 20.8
eS 16 52 31.2
Local shock

DECEMBER 10
U.S.C.G.S.
15S, 152E
New Britain
H = 16 48 21
Ottawa
eP' 17 07 10 d
Seven Falls
eP' 17 05 35? d

DECEMBER 10
U.S.C.G.S.
Argentina - Chile border
H = 23 15 00
Banff
eP 23 27 55 d
Halifax
iP 23 26 05 d
Kirkland Lake
iP 23 26 31 d
Ottawa
iP 23 26 11 d
Schefferville
iP 23 d

Seven Falls
iP 23 24 42? d
P_cP 23 24 55?

DECEMBER 11
U.S.C.G.S.
Off east coast of
Kamchatka
H = 06 31 23
Banff
eP 06 40 40 c
Ottawa
iP 06 42 50 c
Resolute
eP 06 39 38
iP 06 39 48 d
Seven Falls
eP 06 41 23?
Shawinigan Falls
eP 06 43 (05)
Victoria
eP 06 40 10

DECEMBER 11
Alberni
iP 07 39 38.9?
iS 07 40 00.9?
Horseshoe Bay
eP 07 40 28
Victoria
eP 07 40 30.5
Local shock

DECEMBER 11
Resolute
eP 08 53 24

DECEMBER 11
Ottawa
iP_n 15 04 11
S_n 15 04 28
L 15 04 36
d = 150 km

DECEMBER 12
Resolute
eP 00 14 14

DECEMBER 12
Shawinigan Falls
eP 03 02 55

DECEMBER 12
U.S.C.G.S.
14N, 142E
Marianas Islands
H = 10 20 00
Resolute
iP 10 32 43 d

DECEMBER 12
U.S.C.G.S.
Formosa
H = 20 53 15
Resolute
eP 21 05 17

DECEMBER 13
U.S.C.G.S.
31N, 115W
Lower California
H = 13 15 37
Banff
eP 13 20 18
Halifax
eL 13 38
Horseshoe Bay
eP 13 20 09
L 13 26.9
Ottawa
iP 13 22 21 d
L 13 33 40
Resolute
eP 13 23 57
e 13 32 52
e 13 38 54
eL 13 39 48
Shawinigan Falls
eP 13 22 (51)
Victoria
eP 13 20 00
L 13 26.1

DECEMBER 13
Alberni
iP 13 43 03.6
iS 13 43 12.2
Horseshoe Bay
iP 13 43 15.4
iS 13 43 34.6
Victoria
iP 13 43 11.4
iS 13 43 24.8
Local shock

DECEMBER 13
U.S.C.G.S.
2N, 126 1/2E
Moluua Passage
H = 14 52 02
Resolute
eP 15 05 59

DECEMBER 13
U.S.C.G.S.
12N, 143E
Marianas Islands
H = 19 34 24
Banff
eP 19 46 19
Horseshoe Bay
eP 19 46 55
Resolute
iP 19 47 12 c
Victoria
eP 19 46 55

DECEMBER 14
Resolute
iP 17 42 45 d?

DECEMBER 14
Resolute
iP 18 25 35 c

DECEMBER 15
U.S.C.G.S.
About 300 miles north
of Galapagos Islands
H = 09 03 30
Kirkland Lake
eP 09 11 41 c

DOMINION OBSERVATORIES

DECEMBER 15
Alberni
iP 09 38 19.8
iS 09 38 54.2
Horseshoe Bay
iP 09 38 25
Victoria
iP 09 38 06.2
e 09 38 15.0
i 09 38 31.8
Local shock

DECEMBER 15
U.S.C.G.S.
2 1/2N, 128 1/2E
Halmahera
H = 13 50 56
Resolute
eP 14 04 22
e 14 05 14

DECEMBER 15
Resolute
e(P) 16 28 34

DECEMBER 15
U.S.C.G.S.
13S, 167 1/2E
New Hebrides
H = 17 24 24
Banff
eP 17 37 24
e 17 38 02
Ottawa
eP' 17 42 58
Resolute
eP 17 38 17
e(PPP) 17 42 32
Seven Falls
iP' 17 41 25? d
Shawinigan Falls
iP' 17 43 (08) d

DECEMBER 16
U.S.C.G.S.
6 1/2N, 78W
Near west coast of Colombia
H = 01 41 52
Banff
eP 01 51 23 c
Halifax
iP 01 49 32 d
Horseshoe Bay
iP 01 51 44.1 c
Kirkland Lake
eP 01 49 41 d?
Ottawa
iP 01 49 21 d
PPP 01 51 35
S 01 55 22
e 01 57 12
e 01 57 50
L 01 59 07
Resolute
eP 01 52 59 d
iP 01 53 00 c
iS 02 02 03
eS_cS 02 03 05
eL 02 13 23
Seven Falls
eP 01 48 01? c
pP 01 48 18? c
S 01 54 14?
SS 01 57 14?
L 02 01 44?
Shawinigan Falls
iP 01 49 (40) d
pP 01 50 (23)
Victoria
iP 01 51 42 c

DECEMBER 16
Alberni
iP 19 46 06.6
i 19 46 07.9
iS 19 46 13.4
Horseshoe Bay
eP 19 46 25.1
i 19 46 28.7
iS 19 46 39.0
Victoria
iP 19 46 23.5
i 19 46 26.6
iS 19 46 40.6
Local shock

DECEMBER 18
U.S.C.G.S.
Bonin Islands
H = 02 14 12
Resolute
eP 02 25 42

DECEMBER 18
U.S.C.G.S.
25 1/2S, 68 1/2W
Chile - Argentina
H = 02 31 00
Halifax
iP 02 41 19 c
e 02 42 26
iS 02 51 29
eL 02 59.5
Horseshoe Bay
eP 02 43 56
iS 02 54 22
Kirkland Lake
eP 02 42 38 c
e(S) 02 52 06
Ottawa
iP 18 05 29 d
Resolute
iP 02 44 56 d
e 02 45 54
ePP 02 48 38
eS 02 56 08
e 02 57.2
eSS 03 03 05
eL 03 20 04
Saskatoon
i 02 53 50
Seven Falls
eP 02 40 49? c
P_cP 02 41 05?
sP 02 41 31?
S 02 50 11?
i 02 50 35?
i 02 53 05?
SSS 02 58 15?

Shawinigan Falls
iP 02 42 (34) c
P_cP 02 42 (52) c
PP 02 45 (20)
PPP 02 47 (07)
Victoria
iP 02 43 55
i 02 44 08
S 02 54 20
SS 03 00.6

DECEMBER 18
U.S.C.G.S.
30 1/2N, 35 1/2E
Israel-Jordan border region
H = 17 53 00
Halifax
eP 18 04 40
i 18 04 50
Resolute
eP 18 04 11
Schefferville
iP 18 d
Seven Falls
eP 18 03 18?
Shawinigan Falls
iP 18 05 (22) d

DECEMBER 18
U.S.C.G.S.
36S, 77E
South Indian Ocean
H = 19 20 06
Halifax
iP 19 39 53 d
Kirkland Lake
eP' 19 40 39
Ottawa
eP_2' 19 40 36
PSKS 19 54 34
Resolute
e(P) 19 39 33
Seven Falls
eP_2' 19 38 23
Shawinigan Falls
eP_1' 19 40 (13)?
eP_2' 19 40 (34)

DECEMBER 18
Resolute
e 20 30 21
e 20 44 12

DECEMBER 18
U.S.C.G.S.
34 1/2N, 139E
Near south coast of Honshu, Japan
H = 21 12 49
Kirkland Lake
eP 21 25 43
Ottawa
iP 21 26 03 c
Resolute
iP 21 23 24 c
Shawinigan Falls
iP 21 26 09 c

DECEMBER 19
U.S.C.G.S.
51 1/2N, 157E
Southern Kamchatka
H = 01 18 10
Banff
iP 01 27 18 c
i 01 27 31 c
Horseshoe Bay
eP 01 26 50
Kirkland Lake
eP 01 29 (20) c
Ottawa
eP 01 29 43 c
Resolute
iP 01 26 35 c
ePP 01 28 10
Seven Falls
iP 01 28 03? c
Shawinigan Falls
iP 01 29 52 c
iP_cP 01 30 06 c
Victoria
iP 01 26 57.3 c
i 01 27 11 c
e 01 28 22 d

DECEMBER 19
U.S.C.G.S.
29N, 139 1/2E
Bonin Islands region
H = 04 36 20
Banff
eP 04 47 24
Resolute
iP 04 46 51 d
Victoria
iP 04 47 06.9 d

DECEMBER 19
Resolute
eP 06 39 46
Alberni
iP 22 00 14.8
iS 22 00 16.2

DECEMBER 20
U.S.C.G.S.
27S, 176W
Kermadec Islands
H = 10 59 56
Horseshoe Bay
eP 11 12 56
Resolute
eP' 11 18 43
ePS 11 29 12
eL 12 09 30
Victoria
eP 11 12 56

DECEMBER 20
Victoria
i 12 13 34.7
Local shock

DECEMBER 20
Ottawa
iP_n 16 13 09
S_n 16 13 26
L 16 13 34
d = 150 km

DECEMBER 20
U.S.C.G.S.
46N, 150E
Kurile Islands
H = 10 59 56
Banff
iP 19 57 47 d
Kirkland Lake
iP 19 59 42 c
Ottawa
eP 20 00 03 c
Resolute
iP 19 57 04 c
Schefferville
eP 19 d
Shawinigan Falls
iP 20 00 (11) c

DECEMBER 20
U.S.C.G.S.
54N, 161 1/2E
Kamchatka
H = 23 57 36
Resolute
eP 24 05 31

DECEMBER 21
U.S.C.G.S.
28N, 96 1/2E
Burma-Pakistan border
H = 03 27 46
Resolute
eP 03 39 45

DECEMBER 21
U.S.C.G.S.
51N, 131W
Queen Charlotte Islands
H = 08 58 53
Alberni
iP 09 00 00.4
i 09 00 05.1
iS 09 01 07
Banff
iP 09 01 15.4 c
iS 09 04 31.6
Halifax
eP 09 07 08 d
e 09 08 38 d
iS 09 13 40
e 09 21 52
Horseshoe Bay
iP 09 00 11.4
iP 09 00 12.8
i 09 01 14
Kirkland Lake
eP 09 05 (25) c?
Ottawa
iP 09 06 00
i 09 07 05
S 09 11 40
e 09 13 05
SSS 09 15 02
S_cS 09 16 31
L 09 17 40
Resolute
iP 09 04 43 d
e 09 06 36
iS 09 09 46
eL 09 13 15
Seven Falls
eP 09 04 31? d
S 09 10 06?
SS 09 12 21?
L 09 14 21?
Shawinigan Falls
eP 09 06 (29) c
ipP 09 07 (07)
S 09 12 (37)
SSS 09 15 (22)
Victoria
eP 09 00 17.6
e 09 00 24.0
i 09 01 43
iS 09 01 26

DECEMBER 21
U.S.C.G.S.
About 300 miles off south coast of Honshu, Japan
H = 10 31 23
Resolute
iP 10 42 21 c

DECEMBER 21
Resolute
eP 11 28 10

DECEMBER 21
Resolute
eP 17 29 58
e 17 31 14

DECEMBER 21
U.S.C.G.S.
34N, 140E
Near south coast of Honshu, Japan
H = 18 11 07
Resolute
iP 18 21 53 d

DECEMBER 21
Banff
iP 19 41 13.0

DECEMBER 21
U.S.C.G.S.
34N, 139E
South coast of Honshu, Japan
H = 20 10 06
Ottawa
eP 20 23 31
Resolute
iP 20 20 51 c
eS 20 29 48
eL 20 37 25

DECEMBER 21
Horseshoe Bay
iP 20 52 58.9 d
e 20 54 06
Victoria
iP 20 53 00.3
iL 20 53 59.3
Local shock

DECEMBER 21
Resolute
eP 20 59 30

DECEMBER 22
Alberni
iP 03 29 42.8
Horseshoe Bay
iP 03 29 56.0
i 03 31 14.3
e 03 31 15
Victoria
eP 03 29 59.9
iP 03 30 22.1
e 03 31 31.7
Local shock

DECEMBER 22
Resolute
e 03 43 16
e 03 45 27

DECEMBER 22
Resolute
eP 08 43 31

DECEMBER 22
Resolute
e(P) 11 37 59
e 12 10 38

DECEMBER 22
U.S.C.G.S.
29 1/2S, 177W
Kermadec Islands
H = 22 38 12
Halifax
iP' 22 57 14 c
Ottawa
eP' 22 57 00
Resolute
iP' 22 56 54

DECEMBER 22
U.S.C.G.S.
33 1/2N, 139E
Honshu aftershock
H = 23 12 35
Ottawa
eP 23 26 00
Resolute
iP 23 23 23 c
eP 23 23 53
eS 23 32 48
eSS 23 36 53
e 23 37 49
eL 23 46 51
Schefferville
eP 23 c

DECEMBER 23
Resolute
eP 06 19 58

DECEMBER 23
U.S.C.G.S.
22N, 144 1/2E
Marianas Islands region
H = 08 37 26
Banff
iP 08 49 26 d
Horseshoe Bay
iP 08 49 26 d
Resolute
iP 08 49 11 d
eS 08 58 48
eSS 09 03 51
eL 09 13 36

DECEMBER 23
Resolute
eP 15 52 01

DECEMBER 23
Resolute
eP 17 38 28

DECEMBER 24
U.S.C.G.S.
Costa Rica-Nicaragua border region
H = 04 34 20
Kirkland Lake
eP 04 40 37
Ottawa
eP 04 40 18
Schefferville
eP 04 c
Seven Falls
eP 04 39 51?
Shawinigan Falls
eP 04 41 (43) d

DECEMBER 24
Resolute
eP 05 23 06

DECEMBER 24
Resolute
iP 08 41 18 d

DECEMBER 24
Resolute
eP 09 11 17

DECEMBER 24
U.S.C.G.S.
Northern Mindanao, Philippine Islands
H = 18 38 35
Resolute
iP 18 51 48 c
ePP 18 55 22

DECEMBER 24
Banff
iP 23 27 52.0
iS 23 27 53.6
Local shock

DECEMBER 25
Resolute
iP 01 59 33 c
e 02 02 18
e(S) 02 04 00

DECEMBER 25
Kirkland Lake
eP 02 14 (53)
Ottawa
eP 02 15 24
Seven Falls
e(P) 02 13 10?
e 02 13 58?
Shawinigan Falls
eP 02 15 (55)

DECEMBER 25
U.S.C.G.S.
48 1/2N, 28W
North Atlantic Ocean
H = 02 58 48
Kirkland Lake
eP 03 06 (19)
Ottawa
eP 03 15 19
Resolute
eP 03 06 06
Seven Falls
eP 03 02 53? c
Shawinigan Falls
eP 03 05 (10) c

DECEMBER 25
U.S.C.G.S.
Tonga Islands
H = 04 29 53
Banff
iP 04 42 24
Horseshoe Bay
eP 04 42 00
Victoria
eP 04 41 59

DECEMBER 25
U.S.C.G.S.
48 1/2N, 28W
North Atlantic Ocean
H = 09 33 37
Banff
eP 09 42 53 d
Halifax
iP 09 38 58 d
eS 09 43 18
eL 09 45 30
Kirkland Lake
eP 09 40 (02) c
Ottawa
eP 09 40 07 c
pP 09 40 35
e 09 41 07
PP 09 41 20
PPP 09 41 30
S 09 45 28
SS 09 47 30
L 09 49 22
Resolute
iP 09 40 52 d
e 09 43 38
iS 09 46 45
eL 09 49 43
Seven Falls
eP 09 37 40? c
pP 09 38 08?
PP 09 38 37?
e 09 38 50?
S 09 42 34?
e 09 43 19?
SS 09 44 09?
L 09 46 01?
Shawinigan Falls
eP 09 39 (57) d
pP 09 40 (24)
i 09 40 (47)
PP 09 41 (02)
PPP 09 41 (11)
e 09 41 (29)
S 09 44 (57)

DECEMBER 26
U.S.C.G.S.
9 1/2S, 112E
Off south coast of Java
H = 07 34 18
Banff
iP 07 59 29 d
Horseshoe Bay
eP 07 59 04
Ottawa
eP' 07 53 54 d
Resolute
eL 08 19 18
Seven Falls
eP' 07 51 56?

DECEMBER 26
U.S.C.G.S.
10S, 116E
Santa Cruz Islands
H = 07 46 24
Banff
iP 07 59 29
Horseshoe Bay
eP 07 59 04
Ottawa
iP' 08 05 10 d
Seven Falls
eP' 08 03 22?
Victoria
eP 07 59 02
L 08 24.2

DECEMBER 26
Alberni
iP 15 11 21.4
iS 15 11 41.5
Horseshoe Bay
iP 15 11 24
iS 15 11 47
Victoria
iP 15 11 12.6
iS 15 11 25.9
i 15 11 26.3
Local shock

DECEMBER 26
Ottawa
iP_n 18 22 19
S_n 18 22 36
L 18 22 44
d = 150 km

DECEMBER 26
Banff
eP 19 14 21
Horseshoe Bay
eP 19 14 38 d?
Kirkland Lake
eP 19 13 30
Ottawa
iP 19 13 20 d
Seven Falls
eP 19 11 53?
Shawinigan Falls
iP 19 13 37 d
Victoria
eP 19 14 30
e 19 14 34

DECEMBER 26
Alberni
eP 20 54 31.0
Horseshoe Bay
iP 20 54 43.7
e 20 54 53.9
Victoria
iP 20 54 48.3
iS 20 55 01.8
i 20 55 02.2

DECEMBER 27
U.S.C.G.S.
24S, 177W
Tonga Islands region
H = 00 14 15
Banff
iP 00 26 55
Halifax
eP' 00 32 42
e 00 34 22
SKS 00 39 26
e 00 42 40
e 00 46 38
Horseshoe Bay
eP 00 26 33.5 c?
i 00 26 36.0
iS 00 36 43
i 00 36 59
i 00 38 39
Kirkland Lake
eP' 00 32 29
e 00 33 04
Ottawa
eP' 00 32 28 d
PP 00 33 25
e 00 34 37
PPP 00 36 16
SKS 00 38 05
SKKS 00 40 07
S 00 41 02
e 00 42 21
e 00 42 50
e 00 43 10
PPS 00 44 24
e 00 45 24
SS 00 49 02
Resolute
iP 00 28 22
e 00 29 00
e 00 32 13
ePP 00 32 58
ePPP 00 35 14
eSKS 00 38 40
PS 00 42 00
(SS) 00 47 12
Saskatoon
i 00 37 35
i 00 38 25
Seven Falls
eP' 00 30 40? d
PP 00 31 56?
e 00 33 10?
e 00 33 42?
SKS 00 37 14?
e 00 37 42?
SKKS 00 38 27?
PS 00 40 53?
e 00 42 40?
e 00 43 29?
e 00 45 14?
SS 00 46 10?
SSS 00 51 42?
G 00 57 51?
Shawinigan Falls
eP' 00 32 32 d
PP 00 33 34
i 00 34 39
PPP 00 36 28
PS 00 43 09
Victoria
iP 00 26 30 d
i 00 26 34
i 00 27 00
PP 00 29 49
S 00 36 40
i 00 37 10
i 00 37 50
i 00 38 07
i 00 38 36
SS 00 42.0

DECEMBER 27
U.S.C.G.S.
37N, 29E
Western Turkey
H = 10 08 15
Ottawa
iP 10 19 46 d
Seven Falls
eP 10 17 28 d
Shawinigan Falls
eP 10 19 21 d

DECEMBER 27
U.S.C.G.S.
7 1/2N, 126E
Mindanao, Philippine Islands
H = 21 31 28
Resolute
iP 21 44 49

DECEMBER 27
Alberni
iP 23 37 21.3
iS 23 37 30.5
Local shock

DECEMBER 28
Ottawa
iP$_n$ 01 41 45.0
i 01 41 46.5
S$_n$ 01 41 59.5
i 01 42 03.5
d = 120 km
Shawinigan Falls
i 01 42 19

DECEMBER 28
Resolute
eP 06 18 27

DECEMBER 28
U.S.C.G.S.
38S, 167 1/2E
Near coast of North Island, New Zealand
H = 14 24 45
Halifax
PKS 14 47 59
eL 15 03.0
Kirkland Lake
eP' 14 43 (29) c?
ipP' 14 44 (08) c
Ottawa
iP' 14 43 33 c
isP' 14 44 11
PP 14 46 09
PKS 14 47 29
SS 15 03 32
SSS 15 08 40
Resolute
iP' 14 43 29 c
ipP' 14 44 08
eSP 14 55 28
e(G) 15 29 20
Seven Falls
eP' 14 41 43? c
SP' 14 42 22?
PP 14 44 33?
SKP 14 45 06?
pPKS 14 45 45?
SPKS 14 46 03?
SS 15 02 17?
SSS 15 07 21?
Shawinigan Falls
eP' 14 43 37 c
sP' 14 44 16 c
PP 14 46 23
SKP 14 46 57
PKS 14 47 35
Victoria
e(PP) 14 43 08
SKS 14 49 41
eL 15 14.6

DECEMBER 28
Resolute
eP 16 04 56
e 16 24 24

DECEMBER 28
U.S.C.G.S.
Off south coast of Baja, California
H = 19 21 30
Halifax
eL 19 39 32
Horseshoe Bay
eL 19 37.5
Kirkland Lake
eP 19 28 (31)
Ottawa
eP 19 28 38
PP 19 30 05
S 19 34 26
SS 19 37 02
L 19 40 24
Resolute
iP 19 30 59 c
eS 19 38 28
eL 19 43 17
Seven Falls
eP 19 27 15? d
S 19 33 23?
SS 19 36 38?
L 19 37 58?
Shawinigan Falls
eP 19 29 00
PP 19 30 29
Victoria
eL 19 37.7

DECEMBER 29
U.S.C.G.S.
5 1/2S, 151E
New Britain
H = 03 40 19
Ottawa
eP' 03 59 36

DECEMBER 29
U.S.C.G.S.
5S, 150E
New Britain
H = 06 51 08
Ottawa
iP' 07 10 10

DECEMBER
U.S.C.G.S.
Tonga Islands
H = 20 22 12
Halifax
eL 21 25.0
Horseshoe Bay
eP 20 34 48
Kirkland Lake
eL 21 20.0
Resolute
eS 20 48 45
eL 21 09 47
Victoria
eP 20 34 45
eL 21 04.8

DECEMBER 30
Ottawa
iP$_n$ 16 16 35
iS$_n$ 16 16 52
L 16 17 00
d = 150 km

DECEMBER 30
U.S.C.G.S.
Greece
H = 18 24 30
Ottawa
eP 18 35 28

Seven Falls
eP 18 33 05? c

DECEMBER 30
U.S.C.G.S.
24N, 94 1/2E
India Burma border
H = 21 59 06
Resolute
iP 22 11 30 d
eS 22 21 48

DECEMBER 31
Alberni
iP 13 11 19.1
iS 13 11 23.3
Local shock

DECEMBER 31
Alberni
iP 21 17 51.5
iS 21 17 59.3
Local shock