



Canada

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Seismological Bulletin

*Seismological Service
of Canada*

**January - March
1956**



***Dominion Observatory,
Department of Mines and
Technical Surveys, Ottawa***

SEISMOLOGICAL BULLETIN

1956

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	DAMPING	PAPER	TIME MARK ZERO	GROUND
	AT 1 cycle/sec.						SPEED		MOTION-TRACE UP		
								mm/min.			
Resolute	74° 41' N	Early	Sprengnether Z	1.4	1.4	9,000	Critical	60	End	Up	
	94° 054' 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 h = 515 m.		Milne-Shaw NW/SE	12		150	20:1	8	End	SE	
Schefferville	54° 49' N 66° 41' W h = 512 m.	Precambrian basement rock	Willmore-Watt Z	1.0	0.25	9,000	Near critical	53.4	End	Up	
Seven Falls	47° 07.4' N	Precambrian basement rock	Wood-Anderson EW	1.0		2,200	15:1	60	End	East	
	70° 49.6' W		Milne-Shaw EW	12		300	20:1	8	End	East	
	h = 232 m.		Benloff Z	1.0	0.2	50,000 ca.	Critical	60	End	Up	
Shawinigan Falls	46° 33.1' N	Precambrian basement rock	Wood-Anderson NS	1.0		2,200	15:1	60	End	North	
	72° 45.8' W h = 60 m.		Willmore Z	1.0	2.0	20,000 ca.	Critical	60	End	Up	
Victoria	48° 31' 09.9" N 123° 24' 55.1" W h = 197 m.	Quartz Diorite	Benloff Z	1.0	0.2	29,000	Near critical	60	End	Up	
			Benloff NS	1.0	0.2	33,000	Near critical	60	End	South	
			Benloff EW	1.0	0.2	27,000	Near critical	60	End	East	
			Benloff Z	1.0	80	5,600	Over- damped	30	End	Up	
			Benloff NS	1.0	80	4,200	Under- damped	30	End	North	
			Benloff EW	1.0	80	2,700	Over- damped	30	End	East	
			Milne-Shaw EW Milne-Shaw NS	12 12		300 300	20:1 20:1	8 8	End End	West 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
eP' 23 27 48 c
ePKS 23 31 06

Ottawa

iP' 23 27 29 d
i 23 27 39
i 23 27 42
pP' 23 28 25
PP 23 29 28
iPKS 23 30 53
e 23 32 25
PPP 23 32 25

Resolute

eP 23 22 39
eP' 23 26 56
ePP 23 27 17
eSKS 23 32 58
esS (?) 23 35 43
ePS 23 36 33

Seven Falls

eP' 23 27 30
e 23 27 40
e 23 28 27
pP' 23 28 32
e 23 28 41
PP 23 29 47
iPKS 23 30 54
PPP 23 32 20

Shawinigan Falls

eP' 23 27 40
iPP 23 30 53 d

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 2

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

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, 11/2E
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

DOMINION OBSERVATORIES

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

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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		Shawinigan Falls		JANUARY 9
iP	21 04 52 d	eP	23 09 36 d?	U. S. C. G. S.
e	21 05 54			Near north coast of
PP	21 07 12			Hokkaido, Japan
PPP	21 08 41	JANUARY 9		H = 08 01 21
iS	21 13 26	Resolute		Ottawa
S _c S	21 14 44	eP	00 55 09	iP
e	21 19 20	e	01 07 16	Resolute
eL	21 20 20			iP
Resolute				08 10 57 c
eP	21 07 38	JANUARY 9		
i	21 08 37	U. S. C. G. S.		
ePP	21 11 24	Northern Chile		JANUARY 9
iSKS	21 18 12	aftershock		U. S. C. G. S.
iS	21 18 44	H = 03 15 40		23S, 179E
PS	21 20 01	Kirkland Lake		Fiji Isl. region
PS	21 20 01	eP	03 26 36 c	h = 650 km
Saskatoon		i	03 26 56 c	H = 12 05 53
eP	21 05 57	Ottawa		Horseshoe Bay
S	21 15 57	iP	03 26 17 c	eP
e	21 37.0	Resolute		12 17 45
Seven Falls		eS	03 39 49	Kirkland Lake
iP	21 05 03 d	eL	04 04 43	eP'
PP	21 07 25	Seven Falls		12 23 27 d?
PPP	21 08 56	iP	03 26 27 c	Ottawa
iS	21 13 45	Shawinigan Falls		eP'
S _c S	21 14 53	iP	03 26 23 c	12 23 31 d
SS	21 18 20			PP
Shawinigan Falls		JANUARY 9		12 24 55
iP	21 04 59 d	Ottawa		e
iP _c P	21 05 39	e(P)	07 45 56	12 25 54
iPP	21 07 43 d			PKKP
Victoria		JANUARY 9		12 34 04
iP	21 06 38	U. S. C. G. S.		i
S	21 16 54	Northern Chile		12 34 11
		aftershock		sPS
		H = 07 52 48		12 37 34
JANUARY 8		Kirkland Lake		Resolute
U. S. C. G. S.		eP	08 03 44	eP'
Northern Chile		Ottawa		12 23 17
aftershock		eP	08 03 25	eSKS
H = 22 58 22		Seven Falls		12 29 01
Kirkland Lake		iP	08 03 35 c	eS
eP	23 09 17			12 31 11
Ottawa		JANUARY 9		e
iP	23 08 59 d	U. S. C. G. S.		12 31 48
Resolute		Northern Chile		eSP
e(S)	23 23 35	aftershock		12 32 31
Seven Falls		H = 07 52 48		e(PS)
iP	23 09 09 d	Kirkland Lake		12 34 22
		eP		e(sSP)
		Ottawa		12 36 36
		Seven Falls		Seven Falls
		iP		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		Halifax		Shawinigan Falls	
eP	12 17 42	eSKS	09 18 42	eP	12 08 55
		e(S)	09 21 28		
		iPS	09 23 20		
JANUARY 9		iSS	09 30 34	JANUARY 10	
Resolute		eL	09 50 04	U. S. C. G. S.	
iP	13 21 39 d	Ottawa		43 1/2N, 127W	
e	13 37 48	e	09 12 09	Off coast of Oregon	
e	13 42 17	SKS	09 18 20	H = 12 32 15	
e	13 49 08	e	09 18 48	Alberni	
		SKKS	09 19 30	iP	12 33 46.9
		S	09 20 06	iS	12 34 54.6
JANUARY 9		PS	09 22 02	Horseshoe Bay	
Shawinigan Falls		SS	09 28 04	iP	12 33 52.7
i	13 46 37 d	SSS	09 32 06	iS	12 35 04.2
Small local		G	09 39 20	Ottawa	
earthquake ?		Resolute		iP	12 39 20
		eP'	09 11 19	iPP	12 40 46
		iP'	09 11 58	Resolute	
JANUARY 9		e(S)	09 20 02	eP	12 39 05 c
U. S. C. G. S.		e(PPS)	09 22 25	eL	12 48 42
16N, 92W		Saskatoon		Seven Falls	
Chiapas, Mexico		eS	09 17 56	eP	12 39 32
h = 200 km		SS	09 24 18	PP	12 41 02
H = 17 01 23		SSS	09 27 49	Victoria	
Kirkland Lake		Seven Falls		iP	12 33 49.7
iP	17 07 50 d	eSKS	09 18 39	eS	12 34 53.5
e(pP)	17 08 30	SKKS	09 19 42		
Ottawa		PS	09 22 28		
iP	17 07 42 d	SS	09 28 09	JANUARY 10	
epP	17 08 20	Victoria		Kirkland Lake	
sP	17 08 43	eP	09 05 44	e(P)	15 36 25
PP	17 08 55	eS	09 16 10	Ottawa	
Seven Falls		eL	09 28 41	eP	15 36 08
e	17 08 59			Resolute	
e(PP)	17 09 38			eP	15 39 30
Shawinigan Falls		JANUARY 10		e	15 39 38
eP	17 07 57	Ottawa		e	15 57 00
iPP	17 08 47	iP ₁	12 08 27.0		
		S ₁	12 08 31.5		
		D = 33 km			
		H = 12 08 21		JANUARY 10	
JANUARY 10		Seven Falls		Ottawa	
U. S. C. G. S.		eP _n	12 09 14	iP _n	17 57 07
25S, 176W		eP ₁	12 09 22	eS _n	17 57 38
Tonga Isl. region		e	12 09 57	eL	17 58 01
H = 08 52 36		e	12 10 04	D = 325 km	
		iS ₁	12 10 06		
		D = 370 km			
		H = 12 08 23			

DOMINION OBSERVATORIES

Seven Falls		JANUARY 11		Ottawa	
iP _n	17 57 09.5	U. S. C. G. S.		eP	04 48 40
eS _n	17 57 42.0	Kermadec Isl. region		Resolute	
i	17 57 43.5	H = 10 45 30		eL	05 31 40
D = 340 km		Resolute		Seven Falls	
		eL	11 46 25	iP	04 48 50 c
				i	04 49 00
JANUARY 11		JANUARY 11		Shawinigan Falls	
U. S. C. G. S.		U. S. C. G. S.		iP	04 48 46
7 1/2N, 94E		Solomon Isl.			
Nicobar Islands		h = 100 km			
H = 06 10 03		H = 11 54 59			
Kirkland Lake		e?	12 11 40		
eP'	06 29 13	e(SSS)	12 31 29		
Ottawa					
eP'	06 29 19				
Resolute					
eP	06 23 41	JANUARY 11		JANUARY 12	
ePP	06 27 45	U. S. C. G. S.		U. S. C. G. S.	
eS	06 34 22	Chile-Mendoza prov.,		47 1/2N, 20E	
e(PS)	06 36 05	Argentina		Northern Hungary	
Seven Falls		H = 12 43 10		H = 05 46 05	
eP'	06 29 09	Seven Falls		Kirkland Lake	
		iP	12 55 27 c	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 11		JANUARY 11		JANUARY 12	
U. S. C. G. S.		U. S. C. G. S.		U. S. C. G. S.	
33N, 139E		8 1/2S, 157 1/2E		5N, 75 1/2W	
Off south coast of		Solomon Isl.		Western Colombia	
Honshu, Japan		H = 21 11 04		h = 200 km	
h = 200 km		Resolute		H = 07 45 27	
H = 06 38 05		ePP	21 30 18	Kirkland Lake	
Resolute				e(P)	07 53 14
eP	06 49 40	JANUARY 12		e(pP)	07 53 52
e	07 01 27	Resolute		Ottawa	
e	07 05 49	e	00 51 38	iP	07 52 52 d
eL	07 11 54	e	01 08 31	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
JANUARY 11		JANUARY 12			
U. S. C. G. S.		U. S. C. G. S.			
Nicobar Isl.		19S, 70W			
aftershock		Northern Chile			
H = 07 10 49		H = 04 38 00			
Resolute		Kirkland Lake			
eP	07 24 33	eP	04 49 00 c?		
e	07 33 42				

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_cS 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		JANUARY 15		JANUARY 16
eP	18 41 48	Ottawa		U. S. C. G. S.
Resolute		iP	18 31 32 c	1/2S, 80 1/2W
eP	18 44 34 c	i	18 32 09	Near coast of Ecuador
eL	19 07 20			H = 23 37 37
Seven Falls		JANUARY 15		Halifax
eP	18 41 37 d	Ottawa		iP
Shawinigan Falls		iP	18 56 11 c	23 46 11 c
iP	18 41 40 c			eP _c P
				23 47 48
				ePPP
				23 48 53
				iS
				23 53 11
				iSS
				23 56 05
JANUARY 14		JANUARY 15		Horseshoe Bay
Horseshoe Bay		U. S. C. G. S.		eP
eP ₁	22 34 32.0	Tonga Isl.		23 48 05
eS ₁	22 34 34.5	H = 18 42 03		Kirkland Lake
		Resolute		eP
		e(SKS)	19 07 17	23 46 23 c
		eL	19 44 49	i
				23 46 26 c
				i
				23 48 03 c
JANUARY 14		JANUARY 15		Ottawa
Ottawa		U. S. C. G. S.		iP
iP	19 44 28 d	44N, 147 1/2E		23 46 02 d
		Kurile Isl.		i
		H = 21 04 20		23 46 09
		Ottawa		sP
		iP	21 16 49 d	23 46 50
		Resolute		P _c P
		iP	21 13 53 c	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 _c P
				23 48 08
				PP
				23 48 19
				PPP
				23 48 54
				S
				23 53 23
				S _c S
				23 56 14
JANUARY 15		JANUARY 16		
U. S. C. G. S.		Ottawa		
25S, 176W		iP _n	16 59 32	
Tonga Isl. region		i	16 59 34	
H = 10 16 45		S _n	16 59 49	
Resolute		eL	16 59 47	
e(PPS)	10 46 36	D = 150 km		

SEISMOLOGICAL BULLETIN - 1956

Shawinigan Falls
 eP 23 46 17
 iP 23 46 19 d
 eP_CP 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

DOMINION OBSERVATORIES

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

eS₁ 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

SEISMOLOGICAL BULLETIN - 1956

JANUARY 28
Shawinigan Falls
e 09 38 21

Shawinigan Falls
eS 04 51.1
eLg 04 52 51

Shawinigan Falls
iP' 09 02 08 c

JANUARY 28
Halifax
e 11 31 08
e 11 34 31

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 30
Kirkland Lake
e(S₁) 09 46 21
Ottawa
iP_n 09 44 14.5
e 09 44 38.5
e 09 44 51.5
iS₁ 09 44 59.5
D = 320 km

JANUARY 28
Horseshoe Bay
iP 23 47 40.9
Probable blast

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

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.
New Zealand
aftershock
H = 10 01 49
Kirkland Lake
eP' 10 20 50
Ottawa
eP' 10 20 54 d

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

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

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		FEBRUARY 1	SKKS	14 06 12
eP'	19 27 12 c	U.S.C.G.S.	S	14 06 40
		20S, 169E	PS	14 08 08
JANUARY 31		Loyalty Island	e	14 08 30
U.S.C.G.S.		H = 01 32 55	PPS	14 09 24
Volcano Isl. region		Horseshoe Bay	SS	14 14 24
H = 05 24 14		eP	sSS	14 16 50
Resolute		i	eL	14 25.2
eP	05 36 03	Ottawa	Resolute	
eL	06 05 58	eP'	iP	13 53 17 d
		i	epP	13 54 40
JANUARY 31		Resolute	e	13 55 19
U.S.C.G.S.		eP'	eS	14 02 47
4S, 152E		ePP	eSS	14 07 57
New Ireland		ePS	e	14 22 55
h = 400 km		ePPS	Seven Falls	
H = 09 17 11		eSS	eP'	13 59 32
Horseshoe Bay		eL	i	13 59 57
eP	09 29 28	Seven Falls	SKKS	14 06 19
Kirkland Lake		eP'	e	14 08 07
eP'	09 35 14 d	i	PPS	14 10 30
Ottawa		Shawinigan Falls	SS	14 14 34
iP'	09 35 22 d	iP'	eL	14 25 25
SS	09 53 08	Victoria	Victoria	
Resolute		eP	iP	13 53 05
iP	09 30 13 d		ipP	13 54 36
e	09 32 09	FEBRUARY 1	eS	14 02 24
ePP	09 34 16	U.S.C.G.S.		
eSKS	09 40 11	19N, 145 1/2E	FEBRUARY 1	
eSP	09 42 44	Marianas Isl.	Shawinigan Falls	
eSS	09 48 06	h = 350 km	e	14 50.6
Seven Falls		H = 13 41 44	i	14 59 30
iP'	09 35 26 d	Halifax	Possible local	
e	09 36 55	iP'		
i	09 38 30	iSS		
Shawinigan Falls		Horseshoe Bay	FEBRUARY 1	
iP'	09 35 23	eP	U.S.C.G.S.	
iPP	09 36 55	Kirkland Lake	39 1/2N, 16E	
Victoria		e(P')	Near west coast of	
iP	09 29 27	e	Italy	
eS	09 39 44	i	h = 200 km	
		e(PKKP)	H = 15 10 46	
JANUARY 31		Ottawa	Horseshoe Bay	
Horseshoe Bay		eP'	eP	15 23 00
iP	21 06 54.2	e	Kirkland Lake	
Probable blast		e	eP	15 21 10 d
		e	Ottawa	
		SKS	iP	15 21 03 d
			PcP	15 21 36

SEISMOLOGICAL BULLETIN - 1956

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

DOMINION OBSERVATORIES

Seven Falls eP 17 02 00	Halifax iP 13 28 14 c	FEBRUARY 5 Horseshoe Bay iP 18 44 07.5 eS 18 44 12.0 Probable blast
Shawinigan Falls eP 17 02 49 d?	Resolute eP 13 27 13 eS 13 36 31 eL 13 46 13	
Victoria eP 17 02 00	Seven Falls eP 13 28 27 e 13 30 55	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 2 Kirkland Lake eP 17 19 06	FEBRUARY 3 Resolute e 14 49 59	
Ottawa eP 17 19 02 d	FEBRUARY 4 U.S.C.G.S. 0, 81W Near coast of Ecuador H = 02 55 02 Seven Falls eP 03 03 43	
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 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 2 Resolute e 19 35 59 e 19 48 09 Seven Falls eP 19 34 05	FEBRUARY 5 U.S.C.G.S. 3N, 128 1/2E Halmahera region H = 04 50 42 Resolute eP 05 04 08	FEBRUARY 6 Ottawa iP 17 14 29 d Seven Falls eP 17 14 54 d Shawinigan Falls iP 17 14 44 d
FEBRUARY 3 U.S.C.G.S. Eastern Iraq H = 13 16 02	FEBRUARY 5 Resolute e 15 26 57 e 15 27 52	FEBRUARY 7 Alberni eP 06 50 36.7

SEISMOLOGICAL BULLETIN - 1956

Horseshoe Bay
 eP 06 50 50.8
 Victoria
 eP 06 50 54.4

Victoria
 iP 01 01 30.4
 iS 01 01 38.7

Victoria
 iP 01 36 25.3
 iS 01 36 34.1

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
 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
 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.
 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

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
 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

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 30 59.2
 iS 01 31 21.7
 Horseshoe Bay
 iP 01 30 48.6
 iS 01 31 02.8

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
 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

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

DOMINION OBSERVATORIES

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
 aftershock
 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

SEISMOLOGICAL BULLETIN - 1956

Resolute
eP 22 06 06

Seven Falls
eP 00 15 44 d
e 00 16 03

Kirkland Lake
e 12 49 30
Ottawa

FEBRUARY 9

Ottawa
eP 23 27 58

FEBRUARY 10

U.S.C.G.S.
Lower California
aftershock

eP 12 48 22
e(PcP) 12 49 14
Resolute

FEBRUARY 9

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

H = 00 05 27
Ottawa
eP 00 12 16

eP 12 51 22
eL 13 21 30
Seven Falls
eP 12 48 39

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

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

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

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

FEBRUARY 10

Horseshoe Bay
iP 17 42 56.6
iS 17 42 58.9

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

FEBRUARY 10

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

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

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

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
eLq 04 30 40
eLr 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(M) 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

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

FEBRUARY 14

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

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	FEBRUARY 15 Horseshoe Bay iP 23 24 32.1 iS 23 24 34.3	FEBRUARY 16 Ottawa iP ₁ 10 29 43.0 iS ₁ 10 29 52.5 D = 75 km Seven Falls e 10 31 09
Ottawa eP 16 02 43 d	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 17 U.S.C.G.S. Southern California aftershock H = 09 25 00 Resolute eL 09 46 23 eL 09 48 03
Resolute eP 16 01 11 eL 16 19 52	FEBRUARY 16 U.S.C.G.S. Guerrero, Mexico H = 03 05 40 Kirkland Lake eP 03 12 32 d?	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
Seven Falls eP 16 02 25	FEBRUARY 15 U.S.C.G.S. Lower California aftershock H = 18 54 43 Resolute eL 19 18 24	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
Shawinigan Falls eP 16 02 32 c?	FEBRUARY 16 U.S.C.G.S. Lower California aftershock H = 05 53 02 Resolute eL 06 16 23	FEBRUARY 17 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
FEBRUARY 15 U.S.C.G.S. Lower California aftershock H = 18 54 43 Resolute eL 19 18 24	FEBRUARY 16 U.S.C.G.S. Lower California aftershock H = 08 12 27 Resolute eL 08 36 05	
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		

SEISMOLOGICAL BULLETIN - 1956

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

DOMINION OBSERVATORIES

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

SEISMOLOGICAL BULLETIN - 1956

Kirkland Lake		FEBRUARY 21	Resolute
iP	20 43 10 c	U.S.C.G.S.	eP' 10 17 58
Ottawa		73 1/2N, 8E	e 10 18 30
iP	20 43 07 c	Arctic Ocean	eL 11 04 51
i	20 43 10	foreshock	
e	20 43 51	H = 22 59 24	
i	20 45 14	Resolute	FEBRUARY 22
PP	20 45 51	eP 23 04 47	Horseshoe Bay
eS	20 52 36	eS 23 09 15	iP 18 33 53.3
Resolute		e 23 11 17	iS 18 33 55.7
iP	20 41 48 c	e 23 13 42	
e	20 48 42	e 23 14 56	
eS	20 49 58		FEBRUARY 22
eL	20 55 13		Horseshoe Bay
Seven Falls		FEBRUARY 22	iP 19 59 40.2
iP	20 42 43 c	U.S.C.G.S.	i 19 59 46.0
i	20 42 55	73 1/2N, 8E	i 19 59 56.8
PP	20 43 10	Arctic Ocean,	
i	20 45 00	southwest of	
S	20 51 54	Spitzbergen	FEBRUARY 23
Shawinigan Falls		H = 00 07 37	U.S.C.G.S.
iP	20 42 52	Ottawa	31N, 42W
Victoria		eP 00 15 59	North Atlantic Ocean
iP	20 44 34	Resolute	H = 01 21 03
eS	20 55 15	eP 00 13 02	Halifax
		eS 00 17 25	iP 01 25 55 d,e
		e 00 21 00	i 01 29 38 c
			iS 01 29 54 e
			eL 01 38 20
FEBRUARY 21		FEBRUARY 22	Kirkland Lake
U.S.C.G.S.		U.S.C.G.S.	iP 01 27 43 d
Fiji Isl. region		54N, 163W	i 01 29 04 d
H = 03 00 54		Near Unimak Isl.,	Ottawa
Resolute		Alaska	iP 01 27 12 d
eP 03 14 33		H = 05 21 18	i 01 27 17
		Resolute	pP 01 27 31
FEBRUARY 21		eP 05 27 45	sP 01 27 43
U.S.C.G.S.		e 05 42 24	PP 01 28 25
22S, 179W		Victoria	sPP 01 28 50
Fiji Isl. region		iP 05 26 47	PcP 01 30 16
h = 650 km			Resolute
H = 20 32 55			iP 01 30 05 d
Resolute		FEBRUARY 22	e(PPP) 01 32 45
eP' 20 50 27		U.S.C.G.S.	eS 01 37 20
Seven Falls		5S, 67E	e 01 40 11
iP' 20 50 35 d		Chagos Islands	e(SS) 01 40 53
		region	
		H = 09 59 24	

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

SEISMOLOGICAL BULLETIN - 1956

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?

SEISMOLOGICAL BULLETIN - 1956

MARCH 2

Ottawa

iP_n 18 26 42
eL 18 27 07
D = 150 km

MARCH 2

Ottawa

iP₁ 22 01 17
iS₁ 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

DOMINION OBSERVATORIES

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
 eP¹ 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
 iP₁ 23 38 21
 iS₁ 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
 eS₁ 23 40 07.0
 Shawinigan Falls
 e(S₁) 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 53 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

SEISMOLOGICAL BULLETIN - 1956

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

eP' 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

eP' 21 56 09
e 21 56 14
e 21 56 31

Ottawa

eP' 21 56 16 d
pP' 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

eP' 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

iP' 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

SEISMOLOGICAL BULLETIN - 1956

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
eP' 23 50 46
Seven Falls
iP' 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
iP' 15 57 46
Resolute
eP' 15 57 42 d

MARCH 14

U.S.C.G.S.
New Zealand
aftershock
H = 15 43 20
Ottawa
eP' 16 02 27 c
Resolute
eP' 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

SEISMOLOGICAL BULLETIN - 1956

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
 iP 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
 ScS 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?

SEISMOLOGICAL BULLETIN - 1956

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
 iP₁ 18 43 11.5
 iS₁ 18 43 14.0
 D = 5 km

MARCH 28

Ottawa
 iP₁ 20 22 29.0
 S₁ 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

SEISMOLOGICAL BULLETIN - 1956

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