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UNIVERSITY COLLEGE OF THE WEST INDIES

SEISMIC RESEARCH UNIT

Regional Research Centre,

Trinidad, West Indies.

JAN 1962

Preliminary Seismological Bulletin.

STATIONS REPORTING

STATIONS REPORTING

TRINIDAD	(TRN)*	LAT.	10°	39.0'N	LONG.	61°	24.1'W	27m.
TRINIDAD	(TRN)*	LAT.	10°	39.0'N	LONG.	61°	24.1'W	27m.
GRENADA	(GRE)	LAT.	12°	02.7'N	LONG.	61°	44.1'W	30m.
GRENADA	(GRE)	LAT.	12°	02.7'N	LONG.	61°	44.1'W	30m.
ST. VINCENT	(SVI)	LAT.	13°	10.2'N	LONG.	61°	15.5'W	10m.
ST. VINCENT	(SVI)	LAT.	13°	10.2'N	LONG.	61°	15.5'W	10m.
BARBADOS	(BRB)	LAT.	13°	07.4'N	LONG.	59°	35.6'W	70m.
BARBADOS	(BRB)	LAT.	13°	07.4'N	LONG.	59°	35.6'W	70m.
DOMINICA	(DOM)	LAT.	15°	17.7'N	LONG.	61°	23.5'W	40m.
DOMINICA	(DOM)	LAT.	15°	17.7'N	LONG.	61°	23.5'W	40m.
ANTIGUA	(AWI)	LAT.	17°	08.6'N	LONG.	61°	50.1'W	27m.
ANTIGUA	(AWI)	LAT.	17°	08.6'N	LONG.	61°	50.1'W	27m.
ST. KITTS	(SKI)	LAT.	17°	20.3'N	LONG.	62°	43.7'W	
ST. KITTS	(SKI)	LAT.	17°	20.3'N	LONG.	62°	43.7'W	
HOPE, JAMAICA	(HOP)	LAT.	18°	01' N	LONG.	76°	45' W	200m.
HOPE, JAMAICA	(HOP)	LAT.	18°	01' N	LONG.	76°	45' W	200m.
BEVERLEY, JAMAICA	(BEV)	LAT.	18°	27' N	LONG.	77°	18' W	123m.
BEVERLEY, JAMAICA	(BEV)	LAT.	18°	27' N	LONG.	77°	18' W	123m.
BLACK RIVER, JAMAICA	(BRJ)	LAT.	18°	02' N	LONG.	77°	52' W	8m.
BLACK RIVER, JAMAICA	(BRJ)	LAT.	18°	02' N	LONG.	77°	52' W	8m.

EQUIPMENT

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Trinidad is equipped with three components of Willmore Watts 1 second period

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seismometers and $\frac{1}{4}$ second period galvanometers recording at 60mm/min.

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All other stations have similar equipment recording vertical component only.

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Magnification is 10,000 at 3 cycles/sec. except at Barbados where it is

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* The Trinidad station has been operated in the past at the temporary sites

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given below:-

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From 1st May 1953 to 1st January 1955 at 10° 40.1' North 61° 31.2' West

From 1st May 1953 to 1st January 1955 at 10° 40.1' North 61° 31.2' West

From 1st January 1955 to 1st September 1958 at 10° 44.7' North 61° 33.2' West.

From 1st January 1955 to 1st September 1958 at 10° 44.7' North 61° 33.2' West.

Intensity Scale in use: Modified Mercalli Intensity Scale.

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DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 1	SKI	iP	00.21.04			
1	HOP	eP	13.27.28		11.8°	
		iS	13.29.30			
	BRJ	eP	13.27.30		12.0°	
		iP	13.27.32			
		iS	13.29.34			
	SVI	eP	13.27.42		12.8°	
1	DOM	eP	22.07.48		1.96°	H: 22.07.20
		iS	22.08.06			E: 15.0°N 61.3°W
	SVI	iP	22.07.57		2.64°	Depth: About 215 km
		iS	22.08.24			Magnitude: 5.1
	BRB	eP	22.08.08		3.13°	
	SKI	eP	22.08.(15)		3.36°	
	GRE	iP	22.08.11	d	3.54°	
		iS	22.08.49			
2	GRE	eP	05.29.54		31.1°	USCGS Gives H: 05.23.38
						E: 17.8°S 69.8°W
						Depth: About 74 km
2	SKI	iP	20.57.02		0.9°	
		iS	20.57.11			
2	SKI	iP	23.12.32	c	3.33°	H: 23.11.46
		iS	23.13.04			E: 19.2°N 59.9°W
	DOM	iP	23.12.45		4.20°	Magnitude: 6.3
		iS	23.13.30			
	SVI	iP	23.13.13	d	6.20°	
		eS	23.14.18			
	BRB	eP	23.13.14		6.10°	
	GRE	iP	23.13.29	d	7.40°	
	TRN	eP	23.13.49		8.69°	
		iS	23.15.20			
2	TRN	eP	23.27.01			Small
3	TRN	iP	02.37.12		0.8°	
		iS	02.37.20			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE
JAN 3	TRN	iP	18.33.47		1.4°
		iS	18.34.02		
	GRN	eP	18.33.56		1.6°
		iS	18.34.17		
3	TRN	iP	20.48.33		1.2°
		iS	20.48.46		
	GRE	iP	20.48.45	c	1.5°
		iS	20.49.01		
4	GRE	eP	08.00.09		
4	SKI	iP	14.05.12		1.3°
		iS	14.05.25		
	AWI	e	14.05.21		
5	HOP	iP	07.22.58	c	
6	AWI	iP	08.56.59	c	0.9°
	SKI	iP	08.57.09		1.6°
		iS	08.57.26		
6	AWI	eP	09.23.09		0.8°
	SKI	iP	09.23.19		1.6°
		eS	09.23.36		
6	SKI	iP	10.42.48		0.8°
		iS	10.42.57		
6	SKI	iP	11.56.09		
6	BRJ	iP	20.30.03		0.5°
		iS	20.30.08		
7	HOP	eP	13.21.18		11.5°
		iP	13.21.19		
		iS	13.23.16		
7	GRE	eP	22.09.17		50.4°

USCGS Gives H: 22.00.31
E: 37.7°S 71.7°W
Depth: About 90 km

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
JAN 8	HOP	iP	01.01.55		6.3°	1 killed, 6 injured. Damage at San Jose de Acoa and Azua. USCGSSGives H: 01.00.24 E: 18.5°N 70.5°W Depth: About 63 km
		iS	01.03.08			
	BRJ	eP	01.02.08		7.5°	
		iP	01.02.10			
	SKI	eP	01.02.11		7.8°	
		iP	01.02.12			
	AWI	eP	01.02.22		8.7°	
		iP	01.02.25			
	DOM	eP	01.02.36		9.8°	
		T	01.11.56			
	SVI	iP	01.02.47		10.5°	
		iS	01.04.34			
		T	01.13.06			
	GRE	iP	01.02.52		10.8°	
		iS	01.04.43			
		iPcP	01.08.42			
		T	01.13.20			
	TRN	iP	01.03.09		12.0°	
		iS	01.05.10			
		iPcP	01.09.11			
	BRB	eP	01.03.13		12.0°	
		iP	01.03.21			
		iS	01.05.20			
		T	01.15.06			
8	DOM	iP	01.16.41			
	SKI	iP	01.17.29			
	HOP	e	01.19.00			
8	HOP	eP	01.36.21		6.3°	USCGSSGives H; 01.34.54 E: 19.1°N 70.5°W Depth: About 53 km
	BRJ	eP	01.36.40		7.3°	
	SKI	eP	01.36.42		7.7°	
	AWI	eP	01.36.51		8.1°	
	DOM	e	01.36.59		9.8°	
		T	01.46.22			
	SVI	e	01.37.10		10.8°	
		T	01.47.31			
	GRE	eP	01.37.20		11.0°	
		eS	01.39.09			
		T	01.47.53			
	TRN	iP	01.37.38		12.3°	
		iS	01.39.38			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 8	HOP	eP	02.06.50		6.2°	USCGS Gives H: 02.05.21 E: 18.5°N 70.6°W Depth: About 50 km
		iP	02.06.52			
	BRJ	eP	02.07.09		7.2°	
		iP	02.07.12			
	SKI	P	02.07.11		7.3°	
	AWI	iP	02.07.22		8.5°	
	DOM	eP	02.07.36		9.3°	
		T	02.15.48			
	SVI	eP	02.07.45		10.3°	
		T	02.18.04			
	GRE	iP	02.07.48		10.7°	
		iS	02.09.38			
	TRN	iP	02.08.08		11.9°	
		iS	02.10.10			
	BRB	e	02.08.15		12.2°	
8	HOP	eP	05.11.38			
	GRE	eP	05.12.37			
		T	05.22.59			
	DOM	T	05.21.28			
	SVI	T	05.22.38			
8	HOP	e	09.40.57		10.5°	
8	DOM	eP	09.49.44			
	SVI	e	09.50.59			
	GRE	e	09.51.18			
8	AWI	eP'	17.23.03		150.0°	USCGS Gives H: 17.03.19 E: 6.4°S 147.3°E Depth: About 104 km
	TRN	iP'	17.23.05		151.0°	
8	TRN	eP	18.45.16		11.9°	H: 18.42.29 E: 18.3°N 70.6°W Depth: About 200 km
		eS	18.47.15			
9	GRE	e	00.18.27			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 9	HOP	eP	02.11.26		6.7°	USCGS Gives H: 02.09.51 E: 18.6°N 70.6°W Depth: About 25 km
		e	02.11.34			
		e				
	SKI	eP	02.11.47		7.8°	
	AWI	eP	02.11.53		9.1°	
	DOM	eP	02.12.10		9.8°	
		T	02.21.21			
		e	02.22.13			
		e	02.26.02			
	SVI	e(P)	02.12.22		10.9°	
		e	02.14.04			
		T	02.22.35			
	GRE	eP	02.12.22		11.2°	
		e	02.14.10			
		T	02.22.50			
		e	02.23.38			
	TRN	eP	02.12.40		12.2°	
		e	02.14.41			
9	TRN	eP	10.30.27		7.6°	
9	SVI	e	10.40.18			
	GRE	e	10.40.31			
9	TRN	iP	23.57.48		0.5°	
		iS	23.57.53			
10	TRN	eP	06.27.48			Small
10	TRN	iP	22.34.48		1.4°	
		iS	22.35.01			
	GRE	iP	22.34.53		1.7°	
		iS	22.35.11			
11	TRN	eP	07.02.41		98.2°	Very small USCGS Gives H; 06.49.08 E: 51.9°N 179.3°W Depth: About 60 km
11	TRN	iP	22.47.53		0.6°	
		iS	22.47.59			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
JAN 12	TRN	iP	03.09.52		0.4°	
		iS	03.09.56			
12	SKI	eP	09.47.07		2.7°	
		iS	09.47.35			
	AWI	eP	09.47.18		3.6°	
12	TRN	iP	14.46.28		1.3°	
		iS	14.46.42			
	GRE	eP	14.46.37		1.7°	
		iS	14.46.54			
12	AWI	iP	18.22.11		1.3°	
	SKI	iP	18.22.13		1.4°	
		iS	18.22.27			
12	TRN	iP	19.13.12		0.5°	
		iS	19.13.17			
12	HOP	eP	23.14.(05)		5.48°	H: 23.12.28
	BRJ	eP	23.14.(22)		6.53°	E: 18.6°N 71.1°W
	SKI					Depth: About 100 km
						Magnitude: 5.6
	SKI	eP	23.14.23		8.16°	Small
	AWI	eP	23.14.35		9.03°	
	GRE	eP	23.15.07		11.21°	
		T	23.25.26			
	SVI	T	23.25.10		10.98°	
	TRN	eP	23.15.22		12.36°	
		e	23.17.18			
13	AWI	iP	01.25.55			
13	TRN	iP	15.13.49		1.3°	
		iS	15.14.02			
13	TRN	eP	22.30.07			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 14	SKI	iP	11.25.37		1.6°	
		iS	11.25.53			
	DOM	eP	11.25.46		2.5°	
	SVI	e	11.27.01			
14	SKI	iP	22.37.04			
15	SKI	iP	00.55.21			
15	SKI	eP	06.33.53			
15	BRB	iP	08.22.28		0.94°	Felt: St. Vincent
	SVI	iP	08.22.32	c	1.05°	Intensity III - IV
	GRE	iP	08.22.43	d	1.74°	H: 08.22.18
	DOM	iP	08.22.53	d	2.56°	E: 13.0°N 60.4°W
	TRN	iP	08.22.54		2.62°	Depth: About 60 km
	SKI	eP	08.23.27	c	4.93°	Magnitude: 6.7
		iP	08.23.30			
		i	08.24.(22)			
15	AWI	eP	23.35.11	d		
16	BRB	iP	00.53.28		0.6°	
		i	00.53.43			
	SVI	iP	00.53.42		1.9°	
		iS	00.54.01			
16	TRN	eP	15.48.47			
16	TRN	eP	18.19.30			
16	TRN	eP	18.28.24			
16	TRN	eP	19.00.40			
		e	19.02.51			
16	TRN	eP	20.58.14			

1962			IME G.M.T.	MOTION	DISTANCE	
JAN 16	TRN	iP	23.33.44	d	0.95°	H: 23.33.32
		i	23.33.57			E: 10.1°N 62.2°W
	GRE	eP	23.34.00		2.00°	Depth: About 25 km
		iP	23.34.02			Magnitude: 5.9
		iS	23.34.22			
	SVI	eP	23.34.17		3.19°	
		iS	23.34.49			
	DOM	eP	23.34.45		5.24°	
	SKI	eP	23.35.14		7.24°	
		iP	23.35.17			
		i	23.36.37			
17	TRN	iP	00.06.28		1.2°	
		iS	00.06.41			
17	GRE	iP	21.27.57		1.0°	
		iS	21.28.07			
17	SKI	eP	23.39.24			
18	AWI	iP	02.58.13			
18	BRJ	iP	09.09.19			
18	TRN	e	16.05.22			
18	TRN	eP	16.13.17			
		e	16.16.03			
18	DOM	eP	22.12.(33)		1.7°	
		eS	22.12.(51)			
19	AWI	eP	01.21.14		1.7°	
		iS	01.21.32			
19	AWI	eP	07.14.51			

1962			TIME G.M.T.	MOTION	DISTANCE	
JAN 19	TRN	eP	10.31.28			
	GRE	eP	10.31.30			
	SVI	eP	10.31.42			
	SKI	e	10.31.55			
19	HOP	eP	11.51.46		11.8°	
		eS	11.53.48			
	TRN	eP	11.51.56		12.6°	
20	HOP	eP	08.07.28		11.5°	
		eS	08.09.26			
	BRJ	eP	08.07.28		11.9°	
	TRN	eP	08.07.37		12.6°	
20	TRN	eP	10.38.27		1.1°	
		iS	10.38.39			
20	TRN	iP	19.42.49	d	1.15°	H: 19.42.33 E: 10.0°N 62.4°W Magnitude: 5.2
		iS	19.43.01			
	GRE	eP	19.43.04		2.15°	
		iP	19.43.07			
		iS	19.43.27			
	SVI	eP	19.43.21		3.36°	
	SKI	eP	19.44.(18)		7.36°	
20	TRN	eP'	20.34.14		146.4°	USCGS Gives H: 20.14.33 E: 6.6°S 152.1°E Depth: About 33 km
20	SKI	iP	22.44.45		0.3°	
		iS	22.44.48			
21	SKI	eP	09.07.46			
22	AWI	iP	01.56.16		0.9°	
		iS	01.56.25			
	SKI	eP	01.56.27		1.8°	
		iS	01.56.45			

1962			TIME G.M.T.	MOTION	DISTANCE	
JAN 22	HOP	iP	21.03.04		1.1°	
		iS	21.03.16			
	BRJ	iP	21.03.08		1.6°	
		iS	21.03.25			
22	TRN	eP'	21.49.53		146.0°	Felt: Rabaul USCGS Gives H: 21.30.20 E: 4.3°S 152.5°E Depth: About 104 km
23	TRN	eP	01.01.39		0.7°	
		iS	01.01.46			
23	TRN	eP	01.06.33		0.7°	
		iS	01.06.40			
24	SKI	iP	00.58.12	c	2.8°	
		iS	00.58.40			
	AWI	iP	00.58.13		2.9°	
		iS	00.58.43			
24	TRN	eP	16.59.19			Small
25	SKI	e	02.15.03			
25	TRN	iP	07.31.37	d	27.7°	USCGS Gives H: 07.26.06 E: 15.8°S 69.5°W Depth: About 209 km
	GRE	iP	07.31.45	c	28.7°	
	SVI	iP	07.31.55	c	30.0°	
	DOM	eP	07.32.12		32.1°	
	AWI	eP	07.32.24		33.7°	
	SKI	eP	07.32.28		33.9°	
25	SKI	iP	10.31.51		1.1°	
		iS	10.32.03			

1962			IME G.M.T.	MOTION	DISTANCE	
JAN 25	AWI	iP	15.02.(25)		1.63°	H: 15.02.12
	SKI	iP	15.02.36	d	1.73°	E: 18.1°N 61.9°W
		iS	15.02.54			Depth: About 150 km
						Magnitude: 5.2
	DOM	eP	15.02.56		3.10°	
	SVI	eP	15.03.23		5.09°	
	TRN	e	15.04.04		7.53°	Small
25	SKI	iP	22.59.01		0.7°	
		iS	22.59.09			
	AWI	eP	22.59.(02)		1.2°	
		iS	22.59.(15)			
26	AWI	iP	05.38.(17)		0.3°	
		iS	05.38.(21)			
	SKI	eP	05.38.31		1.1°	
		iS	05.38.42			
26	SKI	eP	08.29.19		76.1°	USCGS Gives H: 08.17.37
	SVI	eP	08.29.37		77.9°	E: 35.1°N 22.7°E
	GRE	eP	08.29.42		78.6°	Depth: About 32 km
	TRN	eP	08.29.47		79.2°	
26	TRN	iP	09.31.20		1.4°	
		iS	09.31.34			
26	TRN	eP	20.34.(33)			Small
26	BRJ	eP	22.30.13			
		i	22.30.22			
		i	22.31.43			
	HOP	eP	22.30.24			
27	TRN	eP	00.55.(53)		(3.4°)	
27	SKI	iP	04.50.12		0.8°	
		iS	04.50.20			
27	AWI	eP	07.27.17			

DATE 1962	STATION	PHASE	TIME G.M.T	MOTION	DISTANCE	
JAN 27	GRE	iP	22.43.00		1.6°	
		iS	22.43.16			
28	TRN	iP	19.44.(10)		1.3°	
		iS	19.44.(23)			
29	SKI	eP	10.50.36		1.8°	
		iS	10.50.54			
29	GRE	iP	23.22.45	d	1.7°	
		iS	23.23.02			
30	DOM	iP	00.28.06	d	1.20°	H: 00.27.47
		iS	00.28.21			E: 15.3°N 61.1°W
	AWI	iP	00.28.20	c	2.31°	Depth: About 130 km
		iS	00.28.45			Magnitude: 5.1
	SVI	iP	00.28.21	c	2.40°	
		iS	00.28.48			
	SKI	iP	00.28.(26)	c	2.83°	
		iS	00.28.(57)			
	BRB	iP	00.28.30	c	2.86°	
		iS	00.28.58			
	GRE	iP	00.28.36	c	3.48°	
		iS	00.29.10			
30	SKI	iP	05.52.(19)		0.5°	
		iS	05.52.(23)			
30	AWI	eP	07.39.04		1.1°	
	SKI	iP	07.39.(11)		1.6°	
		iS	07.39.(28)			
30	SKI	eP	08.39.(39)		24.8°	Felt: Managua, Nicaragua
	AWI	eP	08.39.47		25.5°	USCGS Gives H: 08.34.27
	GRE	eP	08.39.49		25.6°	E: 12.7°N 87.7°W
	DOM	eP	08.39.49		25.9°	Depth: About 101 km
	SVI	eP	08.39.49		25.9°	
	HOP	e	08.41.13		12.8°	

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UNIVERSITY OF THE WEST INDIES

SEISMIC RESEARCH UNIT

TRINIDAD

FEB 1962

Preliminary Seismological Bulletin.

TRINIDAD	(TRN)	Lat. 10°39.0' N	Long. 61°24.1' W	27m.
GRENADA	(GRE)	Lat. 12°02.7' N	Long. 61°44.1' W	30m.
ST. VINCENT	(SVI)	Lat. 13°10.2' N	Long. 61°15.5' W	10m.
BARBADOS	(BRB)	Lat. 13°07.4' N	Long. 59°35.6' W	70m.
DOMINICA	(DOM)	Lat. 15°17.7' N	Long. 61°23.5' W	40m.
ANTIGUA	(AWI)	Lat. 17°08.6' N	Long. 61°50.1' W	27m.
ST. KITTS	(SKI)	Lat. 17°20.3' N	Long. 62°43.7' W	305m.
HOPE, JAMAICA	(HOP)	Lat. 18°01' N	Long. 76°45' W	200m.
BEVERLEY, JAMAICA	(BEV)	Lat. 18°27' N	Long. 77°18' W	123m.
BLACK RIVER, JAMAICA	(BRJ)	Lat. 18°02' N	Long. 77°52' W	8m.

EQUIPMENT

Trinidad is equipped with Vela Uniform standard seismological instruments. The peak magnification of the short period instruments is 25,000 and that of the long period instruments is 750.

All other stations have Willmore-Watts equipment recording the vertical component of the earth motion only. The seismometer period is 0.8 second and the galvanometer period 0.25 second. The peak magnification is 10,000 (at 3 cycles/sec.) except at Barbados where it is 3,000. All stations record at 60 mm/min. Radio time signals are recorded daily.

CARIBBEAN DISTANCES AND EPICENTRES

Uniform velocities of 7.90 km/sec for P waves and 4.56 km/sec for S waves are assumed. The effects of the crust are ignored.

Where the data is insufficient to define an epicentre, an origin time is calculated from the S and P arrival times at each station where these are available. The mean of these origin times is used to calculate a distance for each station recording the earthquake.

When three P arrival times only are known a least square process is used to find a surface focus. If one or more S - P intervals are also known, an approximate depth is determined, and then the least square adjustment of the epicentre is carried out for this depth.

If sufficient data is available a least square adjustment of the depth and the epicentre is carried out.

All least square adjustments are continued until the root mean square of the residuals is less than 0.5 seconds.

Earthquake Magnitudes are computed from:

$$M = \log A/T + Q$$

where A is the amplitude of the ground motion in microns, T is the period and Q is taken from Gutenberg and Richter. Annali di Geophysica Volume IX, No. 1, 1956.

Intensities quoted are on the Modified Mercalli Intensity Scale.

* The Trinidad station has been operated in the past at the temporary sites given below:-

From 1st May 1953 to 1st January 1955 at 10°40.1' N 61°31.2' W Port-of-Spain.
From 1st January 1955 to 1st September 1958 at 10°44.7' N 61°33.2' W North Post.

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 FEB 1	AWI	iP	16.12.22	d	1.2°	
		iS	16.12.35			
	SKI	iP	16.12.32	d	1.5°	
		iS	16.12.47			
2	SKI	iP	07.34.48			
2	AWI	eP	11.00.24		1.1°	
	SKI	iP	11.00.30	c	1.6°	
		iS	11.00.47			
2	TRN	iP	22.47.00	d	1.5°	
		iS	22.47.15			
	SVI	iP	22.47.17		3.7°	
	AWI	e	22.48.05			Very small
3	AWI	iP	01.53.48		0.2°	
	SKI	eP	01.53.55		0.7°	
		iS	01.54.02			
3	AWI	eP	03.57.02		0.9°	
	SKI	iP	03.57.02		0.9°	
		iS	03.57.11			
3	SKI	eP	07.12.09			
		e	07.12.42			
	AWI	eP	07.12.17			Very small
3	HOP	eP	08.09.00			
3	DOM	iP	08.42.40	d	1.62°	H: 08.42.17
		iS	08.42.56			E: 16.2°N 61.1°W
	AWI	eP	08.42.(41)		1.62°	Depth about 140km.
		iS	08.42.(56)			Magnitude: 4.4
	SKI	eP	08.42.48		2.18°	
		iS	08.43.09			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 FEB 3	SKI	eP	08.57.14		0.8°	
		iS	08.57.22			
3	HOP	eP	21.41.05		12.2°	USCGS gives H: 21.38.20 E: 6.5°N 73.1°W
		eS	21.43.03			
	TRN	eP	21.41.(07)		12.0°	Depth about 190km.
4	TRN	eP	01.28.17		1.2°	
		iS	01.28.30			
4	TRN	eP	11.15.46		1.3°	
		iS	11.15.59			
4	TRN	eP	17.52.23			Small
5	TRN	iP	12.10.10		0.5°	
		iS	12.10.15			
6	SKI	eP	05.00.54		0.8°	
		iS	05.01.02			
	AWI	eP	05.01.02		1.4°	
6	TRN	iP	08.02.00		0.6°	
		iS	08.02.06			
6	SKI	eP	20.00.18		2.6°	
		iS	20.00.44			
6	TRN	iP	20.38.39		1.3°	Small
		iS	20.38.52			
7	TRN	iP	07.43.15	c	1.3°	
		iS.	07.43.28			
7	TRN	eP	10.07.03			
	SVI	iP	10.07.04			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 FEB 7	TRN	e	16.52.12			
		i	16.52.28			
8	TRN	iP	00.02.43	c	1.2°	
		iS	00.02.56			
	SVI	eP	00.03.06		2.7°	
		eS	00.03.34			
8	TRN	iP	08.07.08		1.5°	
		iS	08.07.24			
8	DOM	eP	10.25.55			
	SKI	iP	10.25.56			
		i	10.26.22			
8	HOP	eP	18.12.12			
		e	18.14.11			
	TRN	e	18.12.16			
		i	18.12.23			
9	SKI	iP	03.04.23			
9	SKI	iP	06.49.08	c	1.41°	H: 06.48.48
		iS	06.49.21			E: 18.1°N 61.9°W
	SVI	eP	06.49.59		5.02°	Depth about 100 km. Magnitude: 4.2
	TRN	eP	06.50.(36)		7.49°	Small
9	SKI	iP	14.01.51		1.6°	
		iS	14.02.07			
9	TRN	iP	17.44.49	d	1.2°	
		iS	17.45.01			
	GRE	iP	17.44.53		1.6°	
		iS	17.45.10			
9	SKI	eP	21.49.28		0.5°	
		iS	21.49.33			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 FEB 10	HOP	eP	05.07.07			
10	TRN	e	13.09.49			Small
	SKI	eP	13.10.27			
10	SKI	iP	19.32.12	c	1.45°	H: 19.31.54
	SVI	iP	19.33.05	c	4.99°	E: 18.0°N 62.0°W
		iS	19.33.57			Depth: About 125km.
						Magnitude: 6.3
	BRB	eP	19.33.14		5.52°	
	GRE	iP	19.33.18	c	6.04°	
	TRN	iP	19.33.40	c	7.44°	
		i	19.35.(05)			
	HOP	eP	19.35.11		14.09°	
		i	19.35.19			
10	SKI	iP	19.37.(46)		1.4°	
		iS	19.38.(01)			
	GRE	eP	19.38.18		(3.7°)	
10	SKI	iP	19.48.33		1.4°	
		iS	19.48.48			
10	SKI	iP	19.50.15	c	1.5°	
		iS	19.50.30			
10	SKI	iP	20.19.14	c	1.4°	
		iS	20.19.29			
10	SKI	iP	20.27.50	d	1.4°	
		eS	20.28.04			
10	SKI	iP	21.04.09		0.8°	
		iS	21.04.18			
10	SKI	iP	21.58.23		1.4°	
		eS	21.58.37			
10	SKI	iP	23.00.55	c	1.4°	
		iS	23.01.10			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE
1962 FEB 11	SKI	iP	00.43.52		1.4°
		iS	00.44.07		
11	TRN	eP	03.04.02		
11	SKI	iP	05.37.(04)		1.3°
		iS	05.37.(17)		
11	SKI	iP	06.09.33		1.4°
		iS	06.09.47		
11	TRN	iP	18.05.52		0.6°
		iS	18.05.58		
11	GRE	e	19.14.46		
	SVI	eP	19.14.54		4.6°
	TRN	eP	19.14.57		4.8°
		eS	19.15.46		
12	TRN	iP	06.27.55		1.3°
		iS	06.28.08		
12	SKI	iP	07.21.03	d	1.4°
		iS	07.21.17		
12	SKI	iP	07.46.20		
12	SKI	eP	07.56.34		
12	SKI	iP	12.37.07	c	1.4°
		iS	12.37.21		
12	SKI	iP	20.21.22		1.7°
		iS	20.21.40		
12	SKI	e	21.55.43		
13	SKI	iP	15.18.29		

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 FEB 13	AWI	iP	15.41.00		1.0°	
		iS	15.41.10			
13	SKI	iP	21.24.22	d	1.4°	
		iS	21.24.37			
13	HOP	eP	21.45.56		4.7°	
		iS	21.46.44			
14	TRN	eP	06.44.53		50.0°	Near coast of Chile. Moderate property damage in central Chile. USCGS gives H: 06.36.01 E: 38.1°S 73.1°W Depth about 44km.
	GRE	eP	06.45.(04)		51.2°	
		i	06.45.(08)			
	SVI	eP	06.45.11		52.2°	
	BRB	eP	06.45.16		52.8°	
	SKI	eP	06.45.(36)		56.2°	
		e	06.46.(29)			
	AWI	eP	06.45.40		56.0°	
	HOP	eP	06.45.46		56.6°	
14	TRN	eP	07.17.10		50.3°	Small USCGS gives H: 07.08.21 E: 38.2°S 73.7°W Depth about 40km.
	GRE	eP	07.17.(19)		51.6°	
	SVI	eP	07.17.29		52.5°	
14	GRE	eP	08.20.(59)		51.6°	USCGS gives H: 08.11.59 E: 38.1°S 73.7°W Depth about 40km.
	SVI	eP	08.21.15		52.5°	
14	TRN	e	08.37.54			Very small
	GRE	eP	08.37.(59)			
	SVI	e	08.38.10			
14	SKI	eP	09.54.27		3.2°	
		iS	09.54.59			
14	SKI	eP	10.09.51		2.3°	
		iS	10.10.14			
14	SKI	iP	10.27.22			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
FEB 14	SKI	eP	10.53.39		2.9°	
		iS	10.54.09			
14	SKI	eP	11.07.38		0.6°	
		iS	11.07.44			
14	TRN	iP	15.41.38		1.4°	
		iS	15.41.53			
14	SKI	eP	19.26.22		3.48°	USCGS gives H. 19:25.33 E: 19.5°N 64.5°W Depth about 240km. Average Magnitude: 5.4
		iS	19.26.57			
	AWI	eP	19.26.30		4.08°	
	TRN	eP	19.27.49		9.57°	
15	TRN	eP	13.23.16		1.2°	
		iS	13.23.28			
15	TRN	eP	15.45.01		144.8°	New Ireland region. Felt Rabaul andNamatanai. USCGS gives H: 15.25.30 E: 4.4°S 153.8°E Depth about 109km
		i	15.46.01			
15	GRE	eP	20.37.47		51.5°	USCGS gives H: 20.28.47 E: 38.1°S 73.2°W Depth about 40km.
	SKI	e	20.38.14		56.5°	
16	GRE	eP	03.04.06		51.2°	USCGS gives H: 02.55.07 E: 38.1°S 73.1°W Depth about 40km.
16	SKI	iP	09.49.54		1.4°	
		iS	09.50.09			
16	HOP	eP	18.01.55		3.4°	
		iP	18.02.00			
		iS	18.02.30			
18	TRN	eP	15.48.05		1.6°	
		iS	15.48.22			
	GRE	eP	15.48.10		1.9°	

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
FEB 18	HOP	eP	17.27.41		10.1°	Northern Colombia. Felt Bogota Medellin.
		iP	17.27.44			USCGS gives H: 17.25.17
		iS	17.29.35			E: 8.1°N 74.6°W
		T	17.35.08			Depth about 70km.
	GRE	eP	17.28.22		13.2°	
		i	17.28.38			
		iS	17.30.53			
	TRN	eP	17.28.23		13.5°	
		i	17.28.41			
	SVI	eP	17.28.32		13.9°	
		i	17.28.38			
	SKI	eP	17.28.41		14.8°	
		i	17.28.52			
		iS	17.31.24			
		T	17.35.39			
	DOM	eP	17.28.42		14.9°	
		T	17.35.01			
	AWI	eP	17.28.(56)		15.2°	
18	SVI	iP	18.40.15	d	1.5°	
		iS	18.40.30			
	DOM	iP	18.40.17		1.6°	
		iS	18.40.33			
	GRE	e	18.40.34			
	TRN	e	18.40. 56			Small
18	TRN	eP	20.35.10			
	GRE	eP	20.35.27			
18	TRN	eP	21.51.08		1.1°	
		iP	21.51.08			
		iS	21.51.19			
	GRE	eP	21.51.(10)		1.1°	
		iS	21.51.(22)			
19	TRN	iP	03.56.20		1.5°	
		iS	03.56.35			
	GRE	eP	03.56.20		1.5°	
		iS	03.56.36			
20	HOP	iP	06.30.53			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 FEB 20	TRN	eP'	09.34.46		148.5°	USCGS gives H: 09.15.55 E: 6.8°N 92.5°E Depth about 29km.
20	TRN	eP	16.05.03		12.0°	USCGS gives H: 16.02.15 E: 6.9°N 73.1°W Depth about 157km.
		i	16.05.11			
		iS	16.07.33			
	SVI	eP	16.05.(12)		13.0°	
20	TRN	iP	22.38.58	c	1.3°	
		iS	22.39.11			
	GRE	iP	22.38.59	c	1.6°	
		iS	22.39.15			
20	TRN	e	23.08.30			
		e	23.12.26			
21	SKI	iP	08.23.39	d	1.1°	
		iS	08.23.50			
	AWI	eP	08.23.46		1.5°	
		iS	08.24.01			
21	GRE	e	15.45.15			
21	TRN	eP	17.28.11			
21	TRN	iP	19.06.17	d	1.0°	
		iS	19.06.28			
22	TRN	e	20.54.27			
22	TRN	e	06.53.45			
23	SKI	eP'	12.00.35		149.1°	Felt: Kaiapit
	SVI	eP'	12.00.39		151.2°	USCGS gives H: 11.40.53 E: 6.3°S 147.0°E Depth about 80km.
	TRN	iP'	12.00.40		151.6°	
23	TRN	eP	19.49.20		1.2°	Small
		iS	19.49.32			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 FEB 23	TRN	eP iS	20.15.23 20.15.31		0.8°	
23	TRN	eP'	20.41.04		146.0°	Felt: Rabaul and Namatanai. USCGS gives H: 20.21.29 E: 3.8°S 152.0°E Depth about 25km.
23	TRN	iP iS	21.57.37 21.57.51	c	1.3°	
24	HOP	eP e	01.23.39 01.25.33			
24	TRN	iP iS	04.25.52 04.26.07	c	1.4°	
24	TRN	iP iS	11.38.52 11.39.05		1.2°	
24	TRN	iP iS	22.58.30 22.58.37		0.7°	
25	SKI	iP iS	11.26.04 11.26.14		1.0°	
25	SKI	iP iS	18.01.58 18.02.25		2.6°	
26	SKI	eP iS	08.11.(04) 08.11.(07)		0.3°	
26	HOP	iP iS	19.27.(18) 19.28.29		(1.0°)	
26	TRN	iP iS	20.46.39 20.46.53		1.3°	
27	SKI	eP	00.10.(24)			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE
1962 FEB 27	SKI	iP	00.13.(36)		1.9°
		iS	00.13.(56)		
27	TRN	e	00.16.26		
27	TRN	eP	03.45.45		2.1°
		iS	03.46.06		
27	TRN	iP	05.27.19		1.5°
		iS	05.27.34		
27	SKI	iP	08.44.12		5.3°
		eS	08.45.06		
		iSS	08.45.32		
	TRN	eP	08.45.29		9.6°
		eS	08.47.19		
27	SKI	iP	09.22.50		
27	SKI	iP	09.44.(53)		
27	SKI	iP	10.10.(17)		0.4°
		iS	10.10.(21)		
27	AWI	iP	18.16.32		2.3°
	SKI	iP	18.16.43		3.1°
		iS	18.17.15		
27	SKI	iP	18.21.20		1.7°
		iS	18.21.37		
27	GRE	eP	19.41.(18)		
27	TRN	iP	22.24.00		0.7°
		iS	22.24.07		
	GRE	iP	22.24.08		1.7°
		iS	22.24.25		

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1962						
FEB 28	GRE	iP	14.45.58	c	0.3°	
		iS	14.46.01			
28	SKI	iP	20.35.(56)		6.8°	USCGS gives H: 20.34.25
		iS	20.37.(12)			E: 19.4°N 69.3°W
	AWI	iP	20.36.09	c	7.8°	Depth about 60km.
		iS	20.37.34			
	SVI	eP	20.36.42		10.0°	
	GRE	eP	20.36.48		10.3°	
		eS	20.38.36			
	TRN	iP	20.37.08		11.9°	
28	TRN	iP	20.39.06	c	0.7°	
		iS	20.39.13			

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UNIVERSITY OF THE WEST INDIES

SEISMIC RESEARCH UNIT

TRINIDAD

MAR 1962

Preliminary Seismological Bulletin.

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where A is the amplitude of the ground motion in microns, T is the period and Q is taken from Gutenberg and Richter. Annali di Geophysica Volume IX, No. 1, 1956.

Intensities quoted are on the Modified Mercalli Intensity Scale.

* The Trinidad station has been operated in the past at the temporary sites given below:-

From 1st May 1953 to 1st January 1955 at 10°40.1' N 61°31.2' W Port-of-Spain.
From 1st January 1955 to 1st September 1958 at 10°44.7' N 61°33.2' W North Post.

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 1	TRN	iP	02.18.35		29.3°	USCGS gives H: 02.12.37 E: 15.7°S 74.4°W Depth about 62km.
		e	02.24.16			
		e	02.28.19			
	GRE	eP	02.18.43		30.5°	
	SVI	eP	02.18.53		31.6°	
	SKI	eP	02.19.(20)		35.0°	
	AWI	eP	02.19.23		35.0°	
1	TRN	eP'	05.11.27		143.5°	USCGS gives H: 04.51.57 E: 25.7°N 124.8°E Depth about 52km.
2	HOP	eP'	13.22.(45)		147.6°	USCGS gives H: 13.02.59 E: 5.4°N 126.5°E Depth about 30km.
2	TRN	iP	15.50.10		2.2°	
		iS	15.50.33			
2	TRN	iP	15.50.46		0.84°	H: 15.50.34 E: 10.8°N 62.2°W Magnitude: (4.3)
		iS	15.50.53			
	GRE	eP	15.50.52		1.30°	
		eS	15.51.05			
	SVI	eP	15.51.09		2.51°	
		eS	15.51.36			
3	AWI	iP	08.55.39.		0.8°	
		iS	08.55.47			
	SKI	eP	08.55.51		1.7°	
		iS	08.56.09			
3	AWI	iP	11.42.44	c	0.6°	
		iS	11.42.50			
3	HOP	iP'	12.34.24		146.0°	USCGS gives H: 12.14.52 E: 7.4°N 126.5°E Depth about 90km.
	AWI	eP'	12.34.(41)		154.6°	
		i	12.34.48			
		iP½	12.35.03			
	SKI	eP'	12.34.48		154.0°	
	TRN	iP'	12.34.49		160.7°	
		iP½	12.35.28			
	SVI	e	12.35.16		158.4°	

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE
1962 MAR 3	GRE	eP	13.10.55		1.2°
		eS	13.11.08		
	TRN	iP	13.11.01		1.7°
		iS	13.11.19		
3	AWI	iP	21.56.16		1.0°
		iS	21.56.27		
	SKI	iP	21.56.18		1.2°
		iS	21.56.30		
3	TRN	iP	23.16.50		0.6°
		iS	23.16.56		
4	AWI	iP	00.02.46		1.0°
		eS	00.02.56		
	SKI	iP	00.02.50		1.4°
		iS	00.03.05		
4	AWI	eP	01.34.36		1.1°
		eS	01.34.47		
	SKI	iP	01.34.41		1.4°
		eS	01.34.55		
4	TRN	iP	07.04.28		0.6°
		iS	07.04.34		
4	TRN	eP	07.07.59		0.6°
		iS	07.08.06		
4	TRN	eP	10.25.27		1.0°
		iS	10.25.38		
4	AWI	iP	13.12.49		0.9°
		iS	13.12.58		
	SKI	eP	13.12.54		1.7°
		iP	13.12.55		
		iS	13.13.12		
4	TRN	iP	18.49.14	c	1.2°
		iS	18.49.27		
	GRE	iP	18.49.19	c	1.7°
		iS	18.49.(37)		

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 5	TRN	iP	01.02.45	c	1.3°	
		iS	01.02.58			
5	SVI	eP	03.43.29			
		i	03.43.35			
	GRE	eP	03.43.43			
5	TRN	iP	12.02.25		1.7°	
		iS	12.02.42			
	GRE	eP	12.02.28		1.8°	
		iS	12.02.46			
	SVI	eP	12.02.(48)		(3.0°)	
		iS	12.03.19			
7	AWI	iP	02.44.37	c	0.5°	
		iS	02.44.43			
	SKI	eP	02.44.(46)		1.1°	
		iS	02.44.(57)			
7	AWI	iP	02.46.53	c	0.5°	
		iS	02.46.59			
	SKI	iP	02.47.(02)		1.1°	
		iS	02.47.(13)			
7	AWI	iP	07.20.35	d	1.87°	H: 07.20.08
		iS	07.20.54			E: 18.3°N 60.4°W
	SKI	iP	07.20.(43)	d	2.47°	Depth about 50km.
		iS	07.21.(08)			Magnitude: 5.5
	SVI	eP	07.21.21		5.23°	
7	SKI	eP'	11.18.(55)		134.3°	USCGS gives H: 11.01.11
		i	11.19.(12)			E: 19.3°N 145.3°E
		e	11.21.(37)			Depth about 680 km.
	AWI	eP'	11.18.(57)		135.1°	
		i	11.19.11			
		i	11.21.38			
	SVI	eP'	11.19.06		138.4°	
		i	11.19.07			
		e	11.21.46			
	TRN	iP'	11.19.13		140.3°	
		i	11.22.58			
		e	11.28.10			
		i	11.38.08			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 7	AWI	iP	14.27.46	c	0.5°	
		iS	14.27.51			
	SKI	iP	14.27.55		1.1°	
		iS	14.28.06			
7	TRN	L	14.38.			
8	AWI	eP	06.43.15		1.6°	
		iP	06.43.16			
		iS	06.43.32			
	SKI	eP	06.43.27		2.5°	
		iS	06.43.53			
8	TRN	eP	20.58.32		57.9°	USCGS gives H: 20.48.38 E: 44.9°S 79.4°W Depth about 25km.
		eS	21.06.30			
		L	21.16.			
9	AWI	eP	01.31.27		2.4°	
		iS	01.31.51			
9	SKI	iP	02.22.33			
9	AWI	iP	10.13.30	d	0.8°	
		iS	10.13.38			
	SKI	iP	10.13.44	d	1.7°	
		iS	10.14.01			
9	TRN	iP	17.39.20	d	0.5°	
		iS	17.39.25			
9	TRN	eP	21.27.30			
		e	21.29.38			
9	GRE	eP'	22.27.(17)		151.6°	USCGS gives H: 22.07.36 E: 5.8°S 146.4°E Depth about 76km.
	SKI	eP'	22.27.18		149.3°	
	AWI	eP'	22.27.19		150.2°	
		iP'	22.27.21			
	SVI	eP'	22.27.25		151.7°	
	TRN	eP'	22.27.27		152.0°	

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
MAR 10	TRN	eP	06.04.32		1.4°	Small
		iS	06.04.46			
10	TRN	eP	22.38.13			Small
11	HOP	eP	02.29.18		14.3°	USCGS gives H: 02.26.06 E: 14.8°N 91.2°W Depth about 206km.
11	TRN	e	02.36.25			
11	SKI	iP	04.15.04		2.2°	
		iS	04.15.27			
	AWI	eP	04.15.14		2.7°	
		eS	04.15.41			
11	TRN	L	08.19.			
11	TRN	eP	13.33.49		1.2°	
		iS	13.34.01			
11	TRN	e	15.46.27			
11	TRN	eP	15.50.36		0.6°	
		iS	15.50.42			
11	SKI	eP'	19.38.(43)		152.7°	USCGS gives H: 19.19.06 E: 9.0° N126.7°E Depth about 25km.
	AWI	eP'	19.38.59		152.8°	
		iP'_2	19.39.15			
	TRN	iP'	19.39.05	c	159.2°	
		iPP	19.43.19			
		e	20.04.16			
		e	20.42.30			
	SVI	e	19.39.(30)		157.0°	
11	TRN	eP	20.07.06		0.7°	Small
		iS	20.07.13			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 12	HOP	eP	09.44.19		11.0°	USCGS gives H: 09.41.46 E: 9.0°N 83.0°W Depth about113km.
		eS	09.46.29			
	TRN	iP	09.46.20	c	21.5°	
		iS	09.50.12			
	GRE	iP	09.46.(20)		21.2°	
	SVI	eP	09.46.27		21.8°	
		iP	09.46.30			
	AWI	eP	09.46.33		22.3°	
	BRB	eP	09.46.(40)		23.3°	
12	HOP	eP	11.42.59		11.7°	USCGS gives H: 11.40.13 E: 8.1°N 83.0°W Depth about 58km.
		i	11.43.06			
		iS	11.45.18			
		e	11.52.37			
	TRN	iP	11.44.58	c	21.2°	
		iS	11.48.50			
	GRE	iP	11.44.58		21.6°	
	SVI	eP	11.45.08		22.1°	
		i	11.45.14			
		i	11.47.28			
	AWI	eP	11.45.15		22.7°	
		i	11.45.22			
	BRB	eP	11.45.(28)		23.3°	
12	GRE	eP	13.47.19		21.6°	USCGS gives H: 13.42.33 E: 8.3°N 83.1°W Depth about 24km.
	TRN	eP	13.47.22		21.7°	
		Lr	13.53.			
	AWI	eP	13.47.31		22.7°	
13	TRN	eP	06.22.32		0.7°	
		iS	06.22.39			
14	HOP	eP	03.07.09			
	GRE	e	03.09.14			
14	TRN	eP	04.21.38		1.2°	
		iS	04.21.51			
14	TRN	eP	07.39.06			
	HOP	eP	07.40.57			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 14	TRN	eP'	15.37.07		146.1°	Felt: Rabaul USCGS gives H: 15.17.33 E: 4.9°S 152.4°E Depth about 57km.
14	TRN	eP	19.54.49			
		i	19.54.57			
	HOP	eP	19.56.44			
15	TRN	eP	08.00.56		1.4°	
		eS	08.01.10			
15	TRN	eP	09.18.56			
15	SKI	iP	14.46.54	c	0.7°	
		iS	14.47.02			
	AWI	iP	14.46.55		0.8°	
		iS	14.47.02			
15	SKI	iP	16.37.29		1.0°	
		iS	16.37.39			
17	TRN	eP	16.20.41			
17	TRN	iP	18.36.09	c	1.14°	H: 18.35.53 E: 10.8°N 62.1°W Depth about 100km. Magnitude: 3.8
		iS	18.36.20			
	GRE	eP	18.36.15		1.57°	
		iS	18.36.31			
	SVI	eP	18.36.30		2.65°	
		iS	18.36.57			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 17	BRB	eP	20.51.25		16.0°	USCGS gives H: 20.47.32 E: 10.6°N 43.7°W Depth about 25km.
		iP	20.51.27			
		T	21.07.36			
	TRN	iP	20.51.41	c	17.5°	
		iS	20.54.56			
		T	21.07.33			
	SVI	eP	20.51.42		17.7°	
		i	20.51.48			
		iS	20.54.47			
		T	21.07.59			
	GRE	eP	20.51.43		18.0°	
		i	20.51.48			
		T	21.08.19			
	AWI	eP	20.51.54		19.2°	
		i	20.51.59			
		T	21.09.52			
	SKI	eP	20.52.03		20.0°	
		i	20.52.08			
		e	20.53.18			
		T	21.10.34			
18	SKI	eP	15.42.14		73.4°	Southern Albania. 15 dead, 154 injured. Moderate damage. USCGS gives H: 15.30.32 E: 40.6°N 19.6°E Depth about 25km.
	GRE	eP	15.42.19		75.9°	
	TRN	eP	15.42.23		76.6°	
		Lr	16.06.			
18	TRN	eP'	20.38.33		145.7°	Kwangtung Province, China. Felt: Hongkong and Macae. 1 killed, 2 injured in Canton. USCGS gives H: 20.18.54 E: 23.7°N 114.5°E Depth about 43km.
19	TRN	eP	04.04.55			
19	HOP	eP'	06.14.21		153.0°	USCGS gives H: 05.54.24 E: 0.3°N 123.5°E Depth about 53km.
	AWI	iP'	06.14.23		162.2°	
		iP½	06.15.10			
	SKI	eP'	06.14.(23)		161.3°	
		iP½	06.15.(08)			
19	TRN	iP	06.20.42	c	6.6°	
		iS	06.21.50			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 19	TRN	eP	06.25.41			
19	HOP	eP	11.19.31		1.3°	
		iS	11.19.44			
19	GRE	eP	15.05.08		2.1°	
		eS	15.05.30			
19	AWI	iP	18.35.39	d	0.7°	
		iS	18.35.46			
	SKI	eP	18.35.(51)		1.6°	
		iS	18.36.(08)			
21	AWI	iP	02.38.25	d	0.9°	
		iS	02.38.34			
	SKI	iP	02.38.(34)		1.4°	
		iS	02.38.(48)			
21	AWI	iP	08.51.58		0.7°	
		iS	08.52.05			
	SKI	iP	08.52.08		1.4°	
		iS	08.52.22			
21	AWI	iP	09.19.31	d	0.9°	
		iS	09.19.40			
	SKI	iP	09.19.(40)	d	1.5°	
		iS	09.19.(55)			
21	GRE	eP	20.36.(43)			
21	AWI	eP'	23.16.46		167.7°	USCGS gives H: 22.57.51
	SVI	eP'	23.16.54		171.1°	E: 5.9°S 113.0°E
		eP_2'	23.18.17			Depth about 631km.
		ePP	23.22.07			
	TRN	iP'	23.16.56		172.9°	
		iP_2'	23.18.26			
		iPP	23.22.14			
22	GRE	e	00.00.(28)			
	TRN	eP	00.00.47			

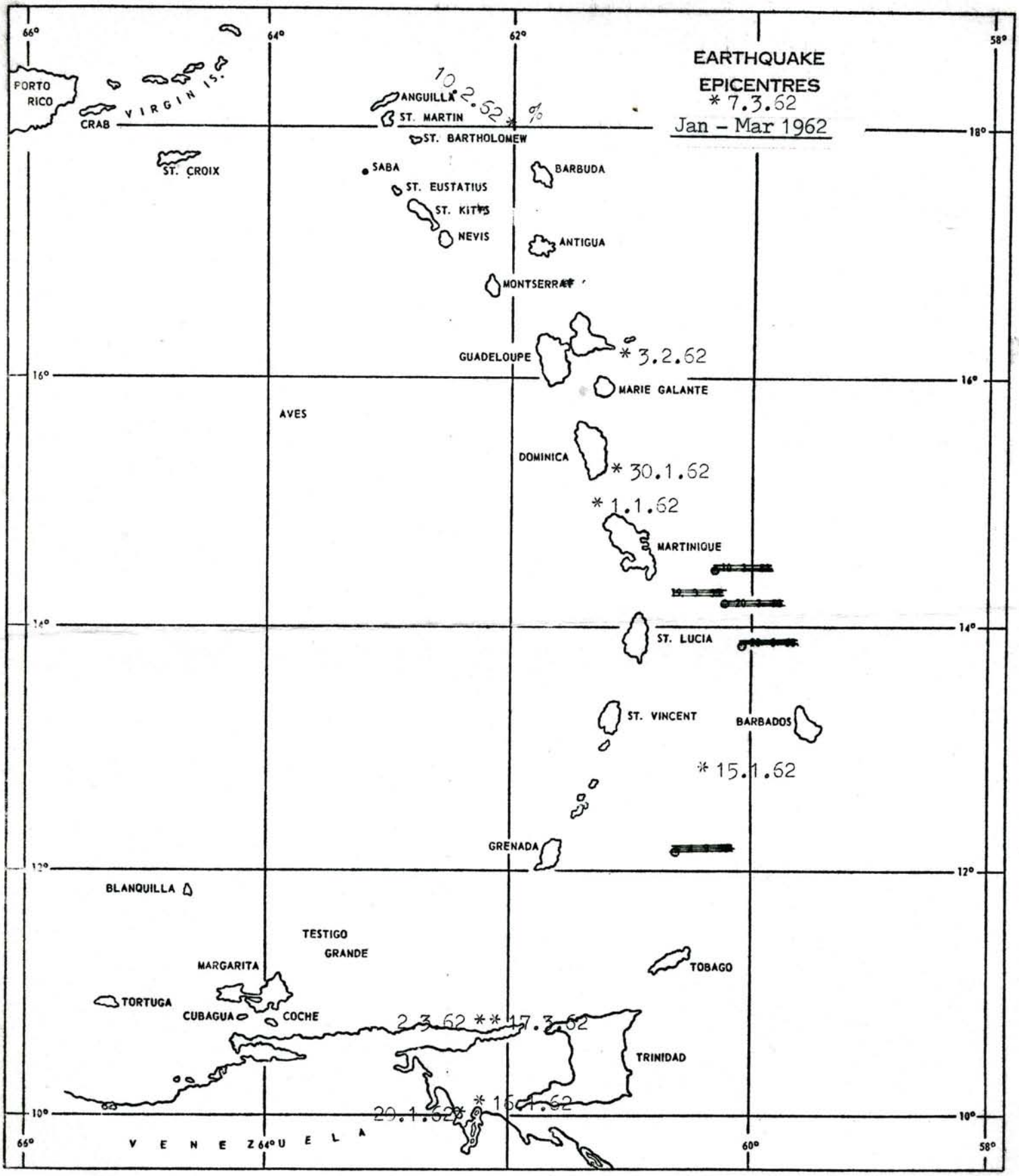
DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 22	AWI	eP'	00.38.46		167.7°	USCGS gives H: 00.19.43 E: 5.9°S 112.9°E Depth about 611km.
	SVI	eP'	00.38.48		171.0°	
	TRN	iP'	00.38.50		172.7°	
		iP_2'	00.40.21			
		e	00.46.19			
22	TRN	e	00.50.06			
		i	00.50.42			
		L	01.04.			
	SKI	eP	00.50.35			
	GRE	eP	00.51.(00)			
	SVI	eP	00.51.03			
22	TRN	iP	13.17.39	c	1.8°	
		iS	13.17.58			
	GRE	eP	13.17.55		2.4°	
		eS	13.18.19			
22	SVI	e	15.32.56		155.0°	USCGS gives H: 15.13.04 E: 3.2°S 142.3°E Depth about 25km.
	TRN	eP'	15.32.59		155.6°	
		e(SkkS)	15.43.46			
		e	15.57.36		15.	
	SKI	eP'	15.33.(00)		151.9°	
	AWI	eP'	15.33.(01)		153.0°	
22	TRN	eP	19.06.12		39.2°	USCGS gives H: 18.59.01 E: 28.1°S 67.5°W Depth about 217km.
	GRE	eP	19.06.25		40.6°	
	SVI	eP	19.06.30		41.7°	
	SKI	eP	19.07.01		45.7°	
23	TRN	eP	04.45.04			
23	GRE	eP	05.43.39		51.3°	USCGS gives H: 05.34.41 E: 38.0°S 72.8°W Depth about 67km.
	SVI	eP	05.43.58		52.3°	
	AWI	eP	05.44.12		56.1°	
	SKI	eP	05.44.14		56.2°	

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 23	TRN	iP	09.22.04	d	0.6°	
		iS	09.22.10			
	GRE	eP	09.22.27		2.2°	
23	TRN	eP	23.41.32			
24	AWI	iP	03.44.29	d	1.6°	
		iS	03.44.47			
	SKI	eP	03.44.35		1.7°	
		iS	03.44.52			
24	TRN	eP	04.29.26			
24	AWI	eP'	13.19.09		151.6°	USCGS gives H: 12.59.31 E: 5.7°S 145.0°E Depth about 111km.
		i	13.19.15			
	GRE	eP'	13.19.11		153.0°	
	SKI	eP'	13.19.(12)		150.7°	
	SVI	eP'	13.19.13		153.3°	
		i	13.20.02			
	TRN	eP'	13.19.14		153.6°	
		i	13.19.31			
		i	13.21.10			
		e	13.22.36			
24	TRN	iP	23.27.37		1.2°	
		iS	23.27.50			
25	TRN	eP	15.31.40		12.1°	USCGS gives H: 15.28.46 E: 6.8°N 73.1°W Depth about 112km.
		i	15.31.47			
		i	15.32.52			
	AWI	eP	15.32.17		15.1°	
25	SKI	eP	16.28.38		0.6°	
		iS	16.28.44			
25	AWI	iP	17.44.08			
25	AWI	iP	18.26.29	d		
	SKI	eP	18.26.49			
		e	18.27.09			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 25	TRN	eP	21.05.38		1.1°	
		iS	21.05.50			
25	AWI	iP	22.41.13	d	1.1°	
		iS	22.41.25			
26	AWI	eP	08.39.47		1.5°	
	SKI	eP	08.39.48		1.5°	
		iS	08.40.03			
26	AWI	eP'	15.40.21		148.8°	USCGS gives H: 15.20.42 E: 5.5°S 148.1°E Depth about 122km.
		iP'	15.40.22			
	SVI	eP'	15.40.25		150.2°	
	TRN	eP'	15.40.26		150.5°	
		iP'	15.40.27			
26	TRN	eP	16.41.52		52.7°	USCGS gives H: 16.32.44 E: 40.6°S 73.3°W Depth about 32km.
		iP	16.41.54			
		iS	16.49.(11)			
		Lq	16.53.			
	GRE	eP	16.42.01		54.0°	
	SVI	eP	16.42.11		55.2°	
	AWI	eP	16.42.(21)		58.8°	
	SKI	eP	16.42.36		59.0°	
27	SKI	iP	13.31.59		0.6°	
		iS	13.32.05			
27	SKI	eP	14.00.49		3.45°	H: 14.00.00 E: 19.8°N 65.2°W Magnitude: 5.9
		iP	14.00.51			
		i	14.01.39			
	AWI	iP	14.00.59		4.21°	
	TRN	eP	14.02.20		9.89°	
27	SKI	eP	14.12.44		3.42°	H: 14.11.56 E: 19.4°N 65.4°W Depth about 100km. Magnitude: 5.2
		i	14.13.32			
	AWI	eP	14.12.55		4.21°	
		e	14.13.38			
	TRN	eP	14.14.12		9.62°	

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 MAR 28	TRN	eP	03.16.25			
28	TRN	eP	04.15.41		1.0°	
		iS	04.15.51			
28	TRN	eP	07.13.27		0.6°	
		eS	07.13.33			
28	TRN	iP	07.53.02		0.6°	
		iS	07.53.08			
	GRE	eP	07.53.(20)		1.9°	
	SVI	e	07.53.48			
28	TRN	eP	10.00.15			
	GRE	e	10.00.(26)			
28	SKI	eP	14.22.51		43.7°	USCGS gives H: 14.14.45 E: 19.4°N 108.6°W Depth about 43km.
28	AWI	iP	14.33.(12)			
	SKI	iP	14.33.16			
28	TRN	eP	20.43.54			
		i	20.47.31			
29	AWI	eP	05.49.(27)		(0.8°)	
		e	05.49.(43)			
	SKI	iP	05.49.34		1.0°	
		iS	05.49.44			
29	SKI	iP	05.57.22		0.4°	
		iS	05.57.25			
29	GRE	e	09.05.18			
	TRN	eP	09.05.22		1.2°	
		iS	09.05.34			
29	TRN	eP	17.58.50			
	GRE	e	17.59.06			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE
1962 MAR 29	TRN	L	21.27.		
30	TRN	eP	07.24.19		
		i	07.24.32		
30	SKI	iP	21.46.35		0.5°
		iS	21.46.40		
31	TRN	eP	09.01.03		
		L	09.09.		
31	TRN	iP	13.16.23		0.5°
		iS	13.16.28		
31	SKI	eP	17.01.20		



% Earthquakes of 25.1.62; 9.2.62.

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UNIVERSITY COLLEGE OF THE WEST INDIES

SEISMIC RESEARCH UNIT

Regional Research Centre,

Trinidad, West Indies.

APR 1962

Preliminary Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRN)*	LAT.	10°	39.0'N	LONG.	61°	24.1'W	27m.
GRENADA	(GRE)	LAT.	12°	02.7'N	LONG.	61°	44.1'W	30m.
ST. VINCENT	(SVI)	LAT.	13°	10.2'N	LONG.	61°	15.5'W	10m.
BARBADOS	(BRB)	LAT.	13°	07.4'N	LONG.	59°	35.6'W	70m.
DOMINICA	(DOM)	LAT.	15°	17.7'N	LONG.	61°	23.5'W	40m.
ANTIGUA	(ANI)	LAT.	17°	08.6'N	LONG.	61°	50.1'W	27m.
ST. KITTS	(SKI)	LAT.	17°	20.3'N	LONG.	62°	43.7'W	
HOPE, JAMAICA	(HOP)	LAT.	18°	01' N	LONG.	76°	45' W	200m.
BEVERLEY, JAMAICA	(BEV)	LAT.	18°	27' N	LONG.	77°	18' W	123m.
BLACK RIVER, JAMAICA	(BRJ)	LAT.	18°	02' N	LONG.	77°	52' W	8m.

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and ¼ second period galvanometers recording at 60mm/min.

All other stations have similar equipment recording vertical component only.

Magnification is 10,000 at 3 cycles/sec. except at Barbados where it is 3,000 at 3 cycles/sec.

* The Trinidad station has been operated in the past at the temporary sites given below:-

From 1st May 1953 to 1st January 1955 at 10° 40.1' North 61° 31.2' West

From 1st January 1955 to 1st September 1958 at 10° 44.7' North 61° 33.2' West.

Intensity Scale in use: Modified Mercalli Intensity Scale.

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 1	TRN	eP	00.32.28		1.4°	
		iS	00.32.43			
1	TRN	iP	09.33.39	c	1.2°	
		iS	09.33.52			
	GRE	eP	09.33.44		1.5°	
		iS	09.34.00			
1	AWI	eP'	12.30.57		152.2°	Felt: Near North coast of New Guinea.
	SKI	eP'	12.31.(02)		151.3°	USCGS Gives H: 12.11.09
	GRE	eP'	12.31.03		153.9°	E: 4.2°S 143.6°E Depth: About 80 km
1	SKI	iP	21.55.52	c		
3	TRN	eP	01.26.42		24.2°	USCGS Gives H: 01.21.35
	GRE	eP	01.26.50		25.2°	E: 9.6°S 74.7°W Depth: About 125 km
3	TRN	eP	18.05.01			Small
3	TRN	iP	20.33.35		1.3°	
		iS	20.33.48			
4	TRN	eP	05.07.19			
	GRE	e	05.07.19			
4	GRE	eP	14.07.22		21.6°	USCGS Gives H: 14.02.32
	TRN	iP	14.07.22		21.6°	E: 8.0°N 83.0°W Depth: About 23 km
		iS	14.11.25			
		L	14.13			
	SKI	eP	14.07.30		22.1°	
5	AWI	eP	22.03.06		1.7°	
		iS	22.03.24			
	SKI	iP	22.03.16		2.5°	
		eS	22.03.42			
6	AWI	iP	11.46.44	d		

DATE 1962	STATION	PHASE	TIME G.MT.	MOTION	DISTANCE	
APR 6	TRN	eP	14.10.06			
6	TRN	eP	17.00.39		62.5°	USCGS Gives H: 16.50.14
		ePS	17.09.17			E: 26.7°S 113.2°W
		L	17.20			Depth: about 33 km
6	TRN	eP	21.04.41			
6	SKI	eP	21.23.47		2.1°	
		iP	21.23.48			
		iS	21.24.08			
	TRN	eP	21.25.20		8.7°	Small
7	SVI	eP'	06.41.13		145.8°	USCGS Gives H: 06.21.33
	TRN	eP'	06.41.18		147.4°	E: 10.0°N 144.4°E
		(L)	07.22			Depth: About 50 km
7	SKI	iP	08.49.19		0.75°	H: 08.49.09
		iS	08.49.27			E: 16.9°N 63.4°W
	GRE	iP	08.50.20	d	5.12°	Magnitude: 5.3
	TRN	eP	08.50.41		6.55°	
7	SVI	iP	23.04.42	d	2.00°	H: 23.04.14
	BRB	iP	23.04.46		2.06°	E: 15.0°N 60.5°W
		i	23.04.55			Depth: About 25 km
						Magnitude: 6.3
	AWI	iP	23.04.50	d	2.52°	
	SKI	iP	23.04.(59)	d	3.21°	
		iS	23.05.(35)			
	GRE	iP	23.05.00	d	3.21°	
	TRN	eP	23.05.17	d	4.45°	
	?	iP	23.05.20			
		iS	23.06.05			
8	TRN	eP	14.56.16		1.3°	
		iS	14.56.30			
	GRE	iP	14.56.17		1.4°	
		iS	14.56.31			
8	TRN	eP	21.57.41		37.6°	USCGS Gives H: 21.50.29
		L	22.09			E: 15.6°N 99.6°W
						Depth: About 48 km

1962			E G.M.T.	MOTION	DISTANCE	
APR 11	TRN	eP	21.05.36		0.5°	
		iS	21.05.41			
12	TRN	eP'	01.11.44		126.8°	USCGS Gives H:00.52.47
		ePP	01.13.42			E:38.2°N 142.3°E
		iSS	01.30.44			Depth: About 68 km
		L	02.05			
12	SKI	eP	02.20.40			
12	TRN	iP	05.29.56	c	1.0°	
		iS	05.30.06			
	GRE	eP	05.29.57		1.2°	
		iS	05.30.09			
12	AWI	iP	19.03.00		0.9°	
		iS	19.03.10			
	SKI	iP	19.03.10		1.7°	
		iS	19.03.27			
13	TRN	eP	04.26.44			
		e	04.26.49			
	GRE	eP	04.26.48			
13	TRN	eP	14.09.40			
14	TRN	eP	05.04.10			
	GRE	e	05.04.29			
14	TRN	iP	09.05.21	d	0.6°	
		iS	09.05.28			
	GRE	eP	09.05.32		1.4°	
		eS	09.05.47			
14	TRN	eP	09.15.44		1.2°	
		iS	09.15.56			
	GRE	eP	09.15.59		2.3°	
14	TRN	e(P)	16.06.52			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
APR 15	SVI	eP	01.25.07		2.2°	
		eS	01.25.29			
15	TRN	eP	04.51.04		0.5°	
		iS	04.51.10			
15	TRN	iP	10.44.59	d	1.4°	
		iS	10.45.14			
	GRE	iP	10.45.(03)		(2.0°)	
		iS	10.45.(24)			
15	TRN	eP	12.06.05			
15	TRN	e(P)	18.54.19		51.3°	USCGS Gives H:18.45.17
		eS	19.01.36			E:2.9°S 11.9°W
		L	19.09			Depth: About 25 km
15	TRN	eP	22.42.25		73.6°	USCGS Gives H:22.31.06
		L	23.06			E:56.6°S 26.2°W
	AWI	eP	22.42.59		79.7°	Depth: About 25 km
	SKI	eP	22.43.03		80.4°	
16	TRN	eP	21.13.48			
		e	21.15.58			
17	TRN	iP	03.46.57	d	1.2°	
		iS	03.47.09			
	GRE	iP	03.47.03		1.6°	
		iS	03.47.20			
17	AWI	eP	09.44.49		1.7°	
		iS	09.45.06			
	SKI	eP	09.44.54		2.0°	
		iS	09.45.15			
17	SVI	eP	12.41.19		1.4°	
		iS	12.41.34			
17	AWI	iP	20.49.31		1.3°	
		iS	20.49.44			
	SKI	eP	20.49.44		2.3°	
		iS	20.50.08			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 17	TRN	eP	22.43.34		48.2°	USCGS Gives H:22.34.57
		ePP	22.45.26			E:1.5°S 14.9°W
		eS	22.50.36			Depth: About 25 km
		L	22.54.			
18	TRN	eP	19.20.16		27.1°	Felt: Casma, Peru.
		iP	19.20.19			USCGS Gives H:19.14.37
		i	19.21.29			E:10.0°S 79.0°W
		iS	19.24.52			Depth: About 39 km
		L	19.29			
	GRE	eP	19.20.23		28.1°	
		iP	19.20.27			
		i	19.20.44			
	SVI	eP	19.20.35		29.1°	
		i	19.20.49			
	BRB	eP	19.20.48		30.0°	
	SKI	eP	19.20.57		31.8°	
		iP	19.20.58			
		ePP	19.22.18			
		ePcP	19.23.52			
	AWI	eP	19.21.02		32.2°	
18	AWI	iP	21.33.08		2.52°	H: 21.32.33
		iS	21.33.33			E: 15.3°N 61.1°W
	SVI	iP	21.33.10	d	2.64°	Depth: About 175 km
		iS	21.33.38			Magnitude: 5.5
	SKI	iP	21.33.15		3.01°	
		iS	21.33.46			
19	TRN	eP	02.24.40		26.7°	USCGS Gives H:02.18.56
		eS	02.29.12			E:9.8°S 78.9°W
		L	02.32			Depth: About 23 km
	GRE	eP	02.24.45		27.7°	
	SKI	eP	02.25.18		31.5°	
	AWI	e	02.25.44		31.7°	
19	TRN	iP	05.48.51	c	1.6°	
		iS	05.49.07			
	GRE	eP	05.49.08		2.8°	
19	SKI	eP	08.39.51		0.7°	
		iS	08.39.59			
	AWI	e	08.40.09			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 19	TRN	eP	20.24.00		26.4°	USCGS Gives H;20.18.21
		eS	20.28.40			E:9.4°S 79.0°W
		L	20.32			Depth: About 25 km
	GRE	eP	20.24.07		27.5°	
	SVI	eP	20.24.28		28.5°	
	SKI	eP	20.24.40		31.2°	
19	AWI	iP	23.23.(03)	c	1.1°	
		iS	23.23.(14)			
	SKI	eP	23.23.14		1.8°	
		iS	23.23.32			
19	TRN	eP	23.29.52		98.7°	USCGS Gives H:23.16.04
		L	00.02			E:69.8°N 138.6°E
						Depth: About 0 km
20	SKI	iP	05.50.12		09.6°	Felt: San Juan. Haiti
	AWI	iP	05.50.(23)		10.4°	Minor damage at Port-au-Prince
		iS	05.52.(14)			USCGS Gives H: 05.47.55
	SVI	eP	05.50.54		12.9°	E:20.6°N 72.2°W
		iP	05.50.57			Depth: About 25 km
		iS	05.53.11			
	GRE	iP	05.50.58	d	13.3°	
		iS	05.53.(10)			
		T	06.02.17			
	BRB	eP	05.51.15		14.2°	
		iS	05.53.57			
	TRN	iP	05.51.18		14.4°	
		iS	05.53.44			
		i	06.00.08			
20	TRN	eP	14.15.09			
	GRE	eP	14.15.11			
20	AWI	iP	22.27.24		0.6°	
		iS	22.27.30			
	SKI	iP	22.27.33		1.4°	
		iS	22.27.47			
21	TRN	eP	06.29.50		0.9°	
		iS	06.29.59			
	GRE	eP	06.30.08		2.2°	Small

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 21	GRE	iP	13.46.42			
21	TRN	iP	15.55.05	d	1.0°	
		iS	15.55.16			
	GRE	iP	15.55.07		1.1°	
		iS	15.55.18			
21	SKI	iP	17.10.(51)	d	1.6°	
		iS	17.11.(08)			
	AWI	iP	17.10.56	d	1.9°	
		iS	17.11.16			
21	SVI	eP	20.09.03		2.23°	E: 20.08.31 H: 15.1°N 60.3°W Depth: About 70 km Magnitude: 5.0
		iP	20.09.04			
		iS	20.09.28			
	BRB	eP	20.09.05		2.20°	
		i	20.09.15			
	AWI	iP	20.09.07		2.57°	
		iS	20.09.35			
	SKI	iP	20.09.18	d	3.27°	
		iS	20.09.53			
	GRE	eP	20.09.19		3.42°	
		iP	20.09.20			
		iS	20.09.56			
	TRN	eP	20.09.37	d	4.62°	
		iP	20.09.41			
		iS	20.10.26			
21	AWI	eP	20.53.42		1.8°	
		eS	20.54.01			
	SKI	iP	20.53.(50)		(2.2°)	
		iS	20.54.(12)			
21	AWI	eP'_2	21.37.(57)		152.2°	USCGS Gives H:21.18.02 E:6.5°S 144.6°E Depth: 42 km
	TRN	eP'_2	21.38.15		153.8°	Small
22	TRN	eP	04.39.05		56.0°	USCGS Gives H:04.29.39 E:44.2°S 72.6°WW Depth: About 120 km
	GRE	eP	04.39.(12)		57.3°	

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 22	SKI	eP	04.51.17		29.2°	USCGS Gives H: 04.45.20 E: 15.5°N 93.1°W Depth: About 69 km
	AWI	eP	04.51.28		30.0°	
	GRE	eP	04.51.31		30.6°	Small
		ePcP	04.54.22			
	SVI	eP	04.51.(36)		30.8°	
	TRN	eP	04.51.34		31.3°	
		iPcP	04.54.29			
		eS	04.56.39			
		e	04.58.06			
		L	05.01			
22	AWI	iP	05.07.21		1.90°	H: 05.06.55 E: 16.3°N 60.4°W Depth: About 100 km Magnitude: 4.1
		iS	05.07.41			
	SKI	iP	05.07.33		2.68°	
		iS	05.08.03			
	SVI	eP	05.07.42		3.32°	
		iS	05.08.17			
	GRE	eP	05.07.57		4.42°	
22	AWI	iP	05.58.38	d	0.7°	
		iS	05.58.45			
22	GRE	iP	06.53.28	d	1.09°	H: 06.53.13 E: 11.8°N 62.3°W Depth: About 100 km Magnitude: 3.7
		iS	06.53.39			
	TRN	iP	06.53.36	d	1.69°	
		iS	06.53.54			
	SVI	eP	06.53.40		1.95°	
		eS	06.53.58			
22	GRE	iP	09.10.04	c	1.0°	
		iS	09.10.14			
	TRN	eP	09.10.14		1.7°	
23	SKI	eP	05.42.(57)		0.9°	
		iS	05.43.(06)			
	AWI	eP	05.43.01		1.1°	
		iS	05.43.12			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 23	TRN	eP'	06.17.04		121.9°	USCGS Gives H:05.58.05 E:42.9°N 143.4°E Depth: About 25 km
		iPP	06.18.36			
		eSKS	06.23.52			
		iSS	06.35.28			
		L	06.57			
	SKI	e	06.17.(36)		115.4°	
	AWI	e	06.17.49		115.9°	
	SVI	e	06.18.09		120.1°	
	GRE	ePP	06.18.27		120.7°	
23	TRN	eP	16.55.52		2.3°	
		iS	16.56.16			
23	AWI	iP	20.06.55		1.8°	
		iS	20.07.13			
	SKI	iP	20.07.(01)	c	2.1°	
		iS	20.07.(22)			
23	TRN	eP	20.51.08		1.2°	
		iS	20.51.20			
	GRE	iP	20.51.14		1.6°	Small
		iS	20.51.31			
24	TRN	iP	13.58.06	c	1.2°	
		iS	13.58.18			
	GRE	eP	13.58.10		1.6°	
		iS	13.58.26			
24	TRN	eP	16.10.38		19.4°	USCGS Gives H: 16.06.24 E: 2.2°S 76.1°W Depth: About 175 km
		iP	16.10.44			
		eS	16.14.16			
	GRE	eP	16.10.44		20.2°	
		ePP	16.11.18			
	SVI	eP	16.10.57		21.2°	
	BRB	eP	16.11.10		22.4°	Small
	SKI	eP	16.11.18		23.5°	
		ePP	16.11.(50)			
	AWI	eP	16.11.24		23.8°	
		ePP	16.11.(54)			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 24	TRN	iP	20.19.17	d	1.4°	
		iS	20.19.32			
	GRE	eP	20.19.19		1.6°	
		iS	20.19.35			
25	SVI	eP	10.09.02		1.4°	
	GRE	iP	10.09.07		1.7°	
		iS	10.09.25			
25	TRN	eP'	16.06.28		126.4°	USCGS Gives H: 15.47.29 E: 38.4°N 142.5°E Depth: About 56 km
		L	16.39			
26	AWI	iP	09.03.19	d	0.7°	
		iS	09.03.26			
27	TRN	eP	06.57.09		56.3°	USCGS Gives H: 06.47.27 E: 44.4°S 74.8°W Depth: About 31 km
		eS	07.05.00			
	GRE	eP	06.57.17		57.7°	
	AWI	eP	06.57.48		62.8°	
27	SKI	iP	16.49.(24)		1.7°	
		iS	16.49.(42)			
	AWI	eP	16.49.35		2.3°	
		iS	16.49.59			
27	GRE	iP	20.18.37	c	1.56°	H: 20.18.16 E: 11.4°N 62.1°W Depth: About 150 km Magnitude: 4.5
		iS	20.18.53			
	TRN	eP	20.18.40		1.69°	
		iS	20.18.56			
	SVI	eP	20.18.49		2.40°	
		eS	20.19.16			
28	TRN	eP	03.41.49		2.7°	
		iS	03.42.16			
	GRE	eP	03.42.05		3.9°	Very small

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 28	TRN	iP	05.12.42		1.52°	H: 05.12.21
		iS	05.12.57			E: 11.2°N 62.0°W
	GRE	iP	05.12.43	c	1.54°	Depth: About 140 km
		iS	05.12.59			Magnitude: 4.9
	SVI	eP	05.12.55		2.44°	
		i	05.13.29			
	BRB	eP	05.13.11		3.31°	
28	SVI	eP	06.23.22			
	TRN	eP	06.23.35			
28	BRB	eP	06.43.32			Small
28	SKI	iP	12.28.(08)			
	TRN	eP	12.29.30			
		e	12.31.13			
30	TRN	eP'	02.45.28		126.8°	USCGS Gives H: 02.26.30
		e	20.47.20			E: 38.8°N 140.9°E
		L	03.14			Depth: About 104 km
30	TRN	eP	07.51.38		11.9°	USCGS Gives H: 07.48.46
		i	07.51.45			E: 6.9°N 73.0°W
		eS	07.53.47			Depth: About 130 km
	GRE	eP	07.51.39		12.4°	
		iP	07.51.43			
	SVI	eP	07.51.52		13.0°	
	SKI	eP	07.52.(08)		14.3°	
	BRB	eP	07.52.13		14.5°	
30	SKI	iP	08.10.(33)		0.9°	
		iS	08.10.(43)			
30	TRN	e	16.45.30			
		L	17.12			
30	SKI	iP	20.54.(28)		1.4°	
		eS	20.54.(43)			
	AWI	iP	20.54.31		1.7°	
		eS	20.54.48			

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UNIVERSITY COLLEGE OF THE WEST INDIES

SEISMIC RESEARCH UNIT

Regional Research Centre,

Trinidad, West Indies.

MAY 1962

Preliminary Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRN)*	LAT.	10°	39.0'N	LONG.	61°	24.1'W	27m.
GRENADA	(GRE)	LAT.	12°	02.7'N	LONG.	61°	44.1'W	30m.
ST. VINCENT	(SVI)	LAT.	13°	10.2'N	LONG.	61°	15.5'W	10m.
BARBADOS	(BRB)	LAT.	13°	07.4'N	LONG.	59°	35.6'W	70m.
DOMINICA	(DOM)	LAT.	15°	17.7'N	LONG.	61°	23.5'W	40m.
ANTIGUA	(AWI)	LAT.	17°	08.6'N	LONG.	61°	50.1'W	27m.
ST. KITTS	(SKI)	LAT.	17°	20.3'N	LONG.	62°	43.7'W	
HOPE, JAMAICA	(HOP)	LAT.	18°	01' N	LONG.	76°	45' W	200m.
BEVERLEY, JAMAICA	(BEV)	LAT.	18°	27' N	LONG.	77°	18' W	123m.
BLACK RIVER, JAMAICA	(BRJ)	LAT.	18°	02' N	LONG.	77°	52' W	8m.

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and ¼ second period galvanometers recording at 60mm/min.

All other stations have similar equipment recording vertical component only.

Magnification is 10,000 at 3 cycles/sec. except at Barbados where it is 3,000 at 3 cycles/sec.

* The Trinidad station has been operated in the past at the temporary sites given below:-

From 1st May 1953 to 1st January 1955 at 10° 40.1' North 61° 31.2' West

From 1st January 1955 to 1st September 1958 at 10° 44.7' North 61° 33.2' West.

Intensity Scale in use: Modified Mercalli Intensity Scale.

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 2	AWI	eP	01.10.30		0.6°	
		iS	01.10.37			
2	AWI	eP	02.55.25			
2	TRN	e(P)	08.14.33			
2	TRN	iP	09.03.06		34.4°	USCGS Gives H: 08.56.29 E: 23.6°S 65.9°W Depth: About 163 km
		eS	09.08.17			
	GRE	eP	09.03.13		35.9°	
		iP	09.03.15			
	SVI	iP	09.03.25		37.0°	
		eS	09.09.00			
	BRB	eP	09.03.29		37.1°	Very small
	AWI	iP	09.03.55		40.9°	
		i	09.05.55			
		e	09.09.48			
	SKI	eP	09.03.(59)		41.0°	
		e	09.05.(57)			
2	TRN	eP	12.39.43		34.9°	USCGS Gives H: 12.33.08 E: 23.8°S 66.4°W Depth: About 179 km
	GRE	eP	12.39.52		36.1°	
	SVI	eP	12.40.02		37.1°	
	AWI	eP	12.40.33		41.1°	
		e	12.40.54			
	SKI	eP	12.40.(37)		41.2°	
2	SVI	iP	19.29.23		1.1°	
		iS	19.29.35			
3	SKI	eP	01.40.(32)		1.8°	
		iS	01.40.(51)			
	AWI	eP	01.40.41		2.8°	
		iS	01.41.10			
3	GRE	eP	03.16.57		21.3°	USCGS Gives H: 03.12.15 E: 8.2°N 82.8°W Depth: About 32 km
	TRN	eP	03.17.00		21.5°	
	SVI	eP	03.17.06		21.9°	

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 3	TRN	eP	03.46.28		74.3°	USCGS Gives H: 03.34.49 E: 60.0°S 32.9°W Depth: About 20 km
		e(S)	03.56.14			
		L	04.10.			
	GRE	eP	03.46.37		74.8°	
	SVI	eP	03.46.43		76.7°	
	AWI	eP	03.47.04		81.0°	
	SKI	eP	03.47.(06)		81.2°	
3	AWI	iP	14.06.09	d	1.2°	
		iS	14.06.21			
	SKI	iP	14.06.13		1.5°	
		iS	14.06.29			
4	TRN	eP	17.55.14			
		i	17.55.25			
4	TRN	iP	23.12.58		22.7°	USCGS Gives H: 23.08.05 E: 0.9°S 80.8°W Depth: About 74 km
		e	23.17.21			
		L	23.22			
	GRE	eP	23.13.01		23.2°	Small
	AWI	eP	23.13.32		26.1°	
5	AWI	iP	20.25.52	d	0.3°	
		i	20.25.55			
	SKI	iP	20.26.(04)	c	1.2°	
		iS	20.26.(16)			
6	AWI	eP	03.08.59			
	SKI	iP	03.09.(03)			
6	GRE	eP	05.29.59			
6	AWI	eP'	07.29.48		142.8°	Felt:Rabaul USCGS Gives H: 07.10.14 E: 5.7°S 151.6°E Depth: About 98 km

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 6	TRN	iP	07.42.03	d	1.46°	H: 07.41.43
		iS	07.42.16			E: 10.9°N 62,5°W
	GRE	iP	07.42.06	c	1.65°	Depth: About 100 km
		iS	07.42.23			Magnitude: 4.3
	SVI	iP	07.42.22		2.74°	
		e	07.44.39			
	AWI	eP	07.43.(16)		6.32°	
	SKI	iP	07.43.(19)		6.49°	
6	TRN	iP	19.11.47	d	74.3°	USCGS Gives H; 19.00.10
		iS	19.21.16			E: 60.0°S 32.8°W
		L	19.35			Depth: About 25 km
	GRE	eP	19.11.54		74.8°	
	SVI	eP	19.12.00		76.7°	
	BRB	eP	19.12.01		76.1°	
	AWI	iP	19.12.22		81.0°	
	SKI	eP	19.12.(25)		81.2°	
7	AWI	eP	02.40.11		1.2°	
		iP	02.40.13			
		iS	02.40.24			
	SKI	iP	02.40.(21)		1.7°	
		iS	02.40.(38)			
7	TRN	iP	02.59.07			
		i	02.59.25			
	GRE	eP	02.59.35			Very small
7	TRN	eP	05.24.21			
		iP	05.24.23			
		i	05.24.43			
	GRE	eP	05.24.26			Small
7	AWI	iP	11.03.17	c	0.9°	
		iS	11.03.26			
	SKI	iP	11.03.(29)		2.3°	
		eS	11.03.(53)			
7	TRN	iP	11.58.06			
	GRE	iP	11.58.19			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 7	TRN	ePP	17.59.55		118.7°	USCGS Gives H: 17.39.50 E:45.3°N 146.7°E Depth: About 25 km
		ePS	18.09.42			
		L	18.30			
7	TRN	iP	20.30.49	d	0.80°	H: 20.30.39 E: 10.6°N 62.2°W Magnitude: 4.9
		iS	20.30.56			
	GRE	eP	20.31.01		1.55°	
		iS	20.31.18			
	SVI	eP	20.31.18		2.76°	
		i	20.31.52			
8	SKI	iP	01.13.20	d	1.0°	
		iS	01.13.30			
8	TRN	eP'	08.08.50		143.9°	Felt: Guam Small USCGS Gives H: 07.49.28 E: 14.4°N 145.1°E Depth: About 70 km
9	TRN	eP	08.30.13			
		e	08.32.16			
9	SKI	eP	15.18.42		0.9°	Small
		iS	15.18.51			
9	AWI	eP	20.44.25		0.9°	
		iP	20.44.27			
		iS	20.44.34			
	SKI	iP	20.44.34		1.6°	
		iS	20.44.51			
9	TRN	eP	22.09.09			
9	AWI	iP	23.22.10	d	0.7°	
		iS	23.22.17			
	SKI	eP	23.22.21		1.5°	
		eS	23.22.37			
10	SKI	eP	00.15.05		73.8°	USCGS Gives H; 00.03.40 E: 62.0°N 150.1°W Depth: About 72 km
	AWI	eP	00.15.10		74.3°	
	SVI	eP	00.15.31		77.9°	
	TRN	eP	00.15.42		80.0°	
		L	00.43			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 10	TRN	eP'	00.46.13		124.2°	USCGS Gives H;00.27.18 E:41.8°S 171.6°E Depth: About 54 km
10	SKI	eP	05.25.02		87.1°	Small
	AWI	eP	05.25.04		88.0°	USCGS Gives H: 05.12.16 E: 52.4°N 170.9°W Depth: About 43 km
	TRN	eP	05.25.30		93.2°	
		L	05.36			
10	TRN	eP	06.47.33			Small
10	SKI	iP	07.40.08		1.3°	
	AWI	eP	07.40.14		1.7°	
		iS	07.40.31			
10	TRN	e	17.55.30			
11	SKI	eP'	07.25.33		148.5°	USCGS Gives H: 07.05.53 E: 6.6°S 147.7°E Depth: About 42 km
	AWI	eP'	07.25.38		149.6°	
	GRE	eP'	07.25.40		150.7°	
	SVI	eP'	07.25.41		150.9°	
	TRN	eP'	07.25.43		151.0°	
11	SKI	eP	14.18.44		35.2°	Near coast of Mexico. 4 dead, many injured and extensive property damage in South Central Mexico. Seismic sea wave with a maximum amplitude about 2½ feet, was reported at Acapulco.
	AWI	eP	14.18.51		36.2°	
		i	14.21.43			
	DOM	eP	14.19.02		37.0°	
	SVI	eP	14.19.03		37.3°	
	GRE	eP	14.19.(03)		37.1°	USCGS Gives H; 14.11.52 E: 17.0°N 99.7°W Depth: About 25 km
	TRN	eP	14.19.04		38.0°	
		iP	14.19.08			
		iPP	14.20.42			
		i	14.25.15			
		L	14.28			
	BRB	e	14.19.30		39.0°	Small
11	DOM	eP	16.17.07			
11	TRN	eP	20.12.23			

			G.M.T.	MOTION	DISTANCE	
MAY 12	SKI	iP	07.48.05	d		
	AWI	eP	07.48.05			
12	TRN	iP	11.39.57	d	0.5°	
		iS	11.40,02			
12	SKI	iP	21.55.36		0.8°	
		iS	21.55.45			
12	SKI	eP	22.41.27		1.0°	
		iS	22.41.37			
13	TRN	iP	09.15.21	c	12.0°	Felt: Bogota and Bucaramanga
		i	09.15.30			USCGS Gives H: 09.12.34
		i(S)	09.17.51			E: 6.9°N 73.0°W
	GRE	eP	09.15.(22)		12.1°	Depth: About 183 km
		i	09.15.(30)			
SVI	SVI	iP	09.15.35		12.8°	
	BRB	eP	09.15.57		14.2°	
	AWI	eP	09.16.01		14.9°	
13	TRN	eP	16.31.03		1.4°	
		iS	16.31.18			
14	TRN	eP	22.14.48		1.6°	
		iS	22.15.05			
15	TRN	eP	01.28.51		1.1°	
		iS	01.29.03			
	GRE	eP	01.28.(56)		1.7°	
		iS	01.29.(13)			
15	AWI	eP'	05.43.50		166.3°	USCGS Gives H: 05.23.46
		eP'_2	05.44.56			E:7.3°S 128.3°E
	DOM	eP'	05.43.52		168.0°	Depth: About 34. km
	SVI	eP'	05.43.52		169.1°	
		eP'_2	05.45.06			
		e	05.48.55			
	GRE	e	05.43.(58)		169.2°	Very small
	TRN	iP'	05.43.53	d	170.2°	
		e	05.48.25			
		i	06.21.00			
		L	06.45			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
MAY 15	AWI	eP	10.12.08		4.9°	
		eS	10.12.58			
	TRN	eP	10.13.24		10.3°	
		e	10.15.23			
16	TRN	iP	04.20.32	c	1.16°	H: 04.20.16
		iS	04.20.43			E: 10.9°N 62.0°W
	GRE	iP	04.20.37	d	1.52°	Depth: About 110 km
		iS	04.20.53			Magnitude: 4.1
	SVI	eP	04.20.52		2.55°	
		e	04.21.21			
16	TRN	eP'	14.55.38		170.3°	USCGS Gives H: 14.35.30
						E: 7.3°S 128.1°E
						Depth: About 34 km
16	TRN	eP	22.01.28			
16	AWI	eP	23.11.05		1.5°	
		iS	23.11.20			
	SKI	eP	23.11.(13)		1.6°	
		iS	23.11.(30)			
18	SKI	iP	13.11.(46)	c	1.6°	
		iS	13.15.(03)			
	AWI	iP	13.14.55	c	2.6°	
		iS	13.15.21			
18	SVI	eP	13.31.20		1.2°	
		iS	13.31.32			
	GRE	eP	13.31.40		2.9°	
		iP	13.31.41			
		iS	13.32.10			
18	BRJ	iP	19.06.30		0.7°	
		iS	19.06.37			
18	TRN	eP	23.54.16		1.2°	
		iS	23.54.29			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 19	BRJ	iP	15.02.54		21.8°	3 dead, 16 injured and extensive property damage in south Central Mexico. USCGS Gives H: 14.58.13 E: 17.2°N 99.5°W Depth: About 20 km
	SKI	eP	15.05.(04)		35.1°	
	DOM	eP	15.05.22		36.9°	
	GRE	eP	15.05.(23)		36.9°	
	SVI	eP	15.05.23		37.0°	
	TRN	iP	15.05.26	d	37.9°	
		iPP	15.06.56			
		iS	15.11.18			
		L	15.14			
	BRB	eP	15.05.42		38.5°	Very small
20	TRN	eP	00.02.25		28.5°	USCGS Gives H: 23.56.32 E: 13.4°S 76.7°W Depth: About 70 km
		e	00.07.42			
		L	00.13			
	GRE	eP	00.02.(31)		29.5°	
	SVI	eP	00.02.38		30.6°	
	BRB	eP	00.02.51		30.9°	
	DOM	eP	00.02.54		32.6°	
	SKI	eP	00.03.(06)		33.9°	
20	SKI	iP	11.38.14	d		
	DOM	eP	11.38.41			
	TRN	iP	11.39.17	c		
		i	11.41.17			
20	SKI	eP	15.02.23		4.30°	H: 15.01.22 E: 20.6°N 65.7°W Depth: About 25 km Magnitude: 6.7
		iP	15.02.26	7		
		iS	15.03.09			
	DOM	eP	15.02.57		6.70°	
	SVI	eP	15.03.21		8.55°	
		iSS	15.05.20			
	GRE	eP	15.03.(33)		9.35°	
	TRN	eP	15.03.54		10.77°	
		iS	15.05.45			
		L	15.07			
20 20	TRN	eP	16.28.13		1.3°	
		iS	16.28.24			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 21	TRN	eP'	12.22.(03)		127.8°	USCGS Gives H: 12.02.51
		iPP	12.24.02			E: 37.3°N 96.0°E
		(L)	12.42			Depth: About 25 km
21	TRN	eP	14.11.05		1.1°	
		iS	14.11.16			
	GRE	eP	14.11.(11)		1.5°	
		eS	14.11.(27)			
21	SVI	eP	20.54.51		2.09°	H: 20.54.22
		eS	20.55.14			E: 14.8°N 60.8°W
						Depth: About 150 km
	GRE	eP	20.55.06		3.13°	Small
	SKI	eP	20.55.10		3.45°	Magnitude: 3.7
	TRN	eP	20.55.23		4.33°	
		iS	20.56.06			
21	GRE	eP'	21.33.(36)		118.0°	USCGS Give H: 21.15.31
		e	21.33.(40)			E: 20.0°S 177.5°W
	TRN	eP'	21.33.37		118.2°	Depth: About 379 km
		iP'	21.33.42			
		iPP	21.35.05			
		e	21.40.04			
		L	21.44			
a	SKI	eP'	21.33.37		118.6°	
		iP'	21.33.42			
		e	21.44.03			
	SVI	eP'	21.33.41		118.9°	
		e(PP)	21.36.16			
		e	21.45.02			
	BRB	eP'	21.33.47		120.2°	Small
22	SKI	eP	04.09.26		1.0°	
		iS	04.09.36			
22	SVI	eP	04.22.34		1.3°	
		iS	04.22.47			
	GRE	eP	04.22.36		1.3°	
		iS	04.22.49			
	TRN	eP	04.22.(57)		(2.9°)	
		i	04.23.13			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 22	SKI	eP'	08.25.39		132.9°	USCGS Gives H: 08.06.39
	TRN	eP'	08.25.41		133.0°	E: 12.3°S 166.6°E
		ePP	08.28.06			Depth: About 151 km
		e	08.38.05			
		L	08.47			
22	SKI	iP	22.12.15		1.9°	
		iS	22.12.35			
22	SKI	e	22.22.58		144.2°	Felt: Palmalmal
	GRE	eP'	22.23.(08)		146.2°	USCGS Gives H: 22.03.36
		e	22.24.(30)			E: 5.5°S 152.0°E
	SVI	eP'	22.23.09		146.3°	Depth: About 100 km
		e	22.24.31			
	TRN	iP'	22.23.10		146.8°	
		i	22.24.34			
		L	23.14			
	DOM	e	22.23.19		146.0°	Small
23	SKI	iP	03.04.07		1.4°	
		iS	03.04.22			
23	TRN	eP	04.03.36			
23	TRN	eP'	06.53.39		146.9°	Felt: Rabaul
						USCGS Gives H: 06.34.00
						E: 5.4°S 152.0°E
						Depth: About 70 km
23	TRN	eP'	07.03.10		147.5°	USCGS Gives H: 06.43.28
						E: 4.9°S 150.8°E
						Depth: About 44 km
23	TRN	eP	08.18.09		1.4°	
		iS	08.18.23			
	GRE	eP	08.18.(21)		(2.3°)	Small
23	TRN	eP	22.30.(27)		0.8°	
		iS	22.30.35			
24	TRN	eP'	02.31.17		146.9°	USCGS Gives H: 02.11.36
						E: 5.4°S 151.9°E
						Depth: About 55 km

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
MAY 25	TRN	eP'	01.29.39		146.8°	USCGS Gives H: 01.09.58 E:5.6°S 152.2°E Depth: About 25 km
25	TRN	eP	10.00.03			
25	TRN	eP	14.53.56		22.0°	USCGS Gives H: 14.49.11 E: 2.5°S 79.1°W Depth: About 79 km
25	SKI	iP	16.19.39	c	2.4°	
		iS	16.20.04			
26	DOM	eP	09.33.35		1.3°	
		iS	09.33.48			
	SVI	eP	09.33.50		2.4°	
		iS	09.34.15			
26	AWI	eP'	20.03.42		146.7°	USCGS Gives H: 19.44.18 E: 6.7°N 94.6°E Depth: About 60 km
	SKI	eP'	20.03.57		147.2°	
	DOM	eP'	20.03.57		148.0°	
	SVI	eP'	20.04.04		149.3°	
	GRE	eP'	20.04.(05)		150.1°	
	TRN	iP'	20.04.07	c	150.5°	
27	SVI	iP	08.18.19		1.0°	
		iS	08.18.30			
28	TRN	eP	05.31.45			
		i	05.32.01			
28	AWI	iP	07.46.(08)	c	2.64°	H: 07.45.34 E: 15.2°N 61.0°W Depth: About 175 km Magnitude: 5.8
		iS	07.46.(34)			
	SVI	iP	07.47.09	c	2.55°	
		iS	07.46.36			
	SKI	iP	07.46.18		3.15°	
		iS	07.46.51			
	BRB	iP	07.46.19	c	2.92°	
		iS	07.46.49			
	GRE	iP	07.46.24	c	3.57°	
	TRN	iP	07.46.42	c	4.80°	
		iS	07.47.30			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 28	TRN	eP	23.56.47		42.5°	USCGS Gives H: 23.49.01
	GRE	eP	23.56.(59)		44.0°	E: 31.3°S 68.3°W
	SVI	eP	23.57.06		45.0°	Depth: About 94 km
	SKI	eP	23.57.36		49.1°	
29	GRE	eP	03.23.(15)			
		e	03.23.(41)			
	TRN	eP	03.23.18			
		e	03.23.43			
29	AWI	iP	08.35.43	d	0.7°	
		iS	08.35.49			
29	SKI	iP	08.36.24		1.5°	
		iS	08.36.40			
30	HOP	iP	00.45.33	d	2.2°	
		iS	00.45.55			
30	TRN	eP	10.08.28		25.5°	USCGS Gives H: 10.02.48
		e	10.13.06			E: 28.7°N 42.9°W
		L	10.16			Depth: About 35 km
31	AWI	e	06.47.02		134.2°	USCGS Gives H: 06.28.26
		e	06.50.05			E: 22.1°N 142.6°E
	SKI	e	06.47.(15)		133.8°	Depth: About 257 km
		e	06.50.(18)			
	TRN	eP'	06.47.25		140.0°	
		iPP	06.50.36			
		L	07.09			
31	SKI	iP	08.18.(17)	d	0.4°	Felt: Nevis
		iS	08.18.(21)			Intensity V
	AWI	iP	08.18.(31)	d	0.8°	
		iS	08.18.(39)			
	SVI	e	08.19.17		1.7°	
		e	08.20.11			
	GRE	eP	08.19.(27)		(5.1°)	
	TRN	eP	08.19.50		(6.7°)	

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE
1962					
MAY 31	SKI	iP	09.04.(59)	d	0.4°
		iS	09.05.(03)		
	AWI	iP	09.05.(30)	d	(2.6°)
		iS	09.05.(39)		
31	SKI	iP	09.06.(38)		0.4°
		iS	09.06.(42)		
	AWI	iP	09.07.(00)		1.9°
		iS	09.07.(09)		
31	GRE	eP	21.28.(06)		51.5°

USCGS Gives H: 21.19.04
E: 38.2°S 72.7°W
Depth: About 25 km

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UNIVERSITY OF THE WEST INDIES

SEISMIC RESEARCH UNIT

TRINIDAD

Preliminary Seismological Bulletin.

TRINIDAD	(TRN)	Lat. 10°39.0' N	Long. 61°24.1' W	27m.
GRENADA	(GRE)	Lat. 12°02.7' N	Long. 61°44.1' W	30m.
ST. VINCENT	(SVI)	Lat. 13°10.2' N	Long. 61°15.5' W	10m.
BARBADOS	(BRB)	Lat. 13°07.4' N	Long. 59°35.6' W	70m.
DOMINICA	(DOM)	Lat. 15°17.7' N	Long. 61°23.5' W	40m.
ANTIGUA	(AWI)	Lat. 17°08.6' N	Long. 61°50.1' W	27m.
ST. KITTS	(SKI)	Lat. 17°20.3' N	Long. 62°43.7' W	305m.
HOPE, JAMAICA	(HOP)	Lat. 18°01' N	Long. 76°45' W	200m.
BEVERLEY, JAMAICA	(BEV)	Lat. 18°27' N	Long. 77°18' W	123m.
BLACK RIVER, JAMAICA	(BRJ)	Lat. 18°02' N	Long. 77°52' W	8m.

EQUIPMENT

Trinidad is equipped with Vela Uniform standard seismological instruments. The peak magnification of the short period instruments is 25,000 and that of the long period instruments is 750.

All other stations have Willmore-Watts equipment recording the vertical component of the earth motion only. The seismometer period is 0.8 second and the galvanometer period 0.25 second. The peak magnification is 10,000 (at 3 cycles/sec.) except at Barbados where it is 3,000. All stations record at 60 mm/min. Radio time signals are recorded daily.

CARIBBEAN DISTANCES AND EPICENTRES

Uniform velocities of 7.90 km/sec for P waves and 4.56 km/sec for S waves are assumed. The effects of the crust are ignored.

Where the data is insufficient to define an epicentre, an origin time is calculated from the S and P arrival times at each station where these are available. The mean of these origin times is used to calculate a distance for each station recording the earthquake.

When three P arrival times only are known a least square process is used to find a surface focus. If one or more S - P intervals are also known, an approximate depth is determined, and then the least square adjustment of the epicentre is carried out for this depth.

If sufficient data is available a least square adjustment of the depth and the epicentre is carried out.

All least square adjustments are continued until the root mean square of the residuals is less than 0.5 seconds.

Earthquake Magnitudes are computed from:

$$M = \log A/T + Q$$

where A is the amplitude of the ground motion in microns, T is the period and Q is taken from Gutenberg and Richter. Annali di Geophysica Volume IX, No. 1, 1956.

Intensities quoted are on the Modified Mercalli Intensity Scale.

* The Trinidad station has been operated in the past at the temporary sites given below:-

From 1st May 1953 to 1st January 1955 at 10°40.1' N 61°31.2' W Port-of-Spain.
From 1st January 1955 to 1st September 1958 at 10°44.7' N 61°33.2' W North Post.

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 1	HOP	eP	04.41.50			
2	TRN	iP	00.44.51	c	0.84°	H: 00.44.39
		iS	00.44.59			E: 10.9°N 62.0°W
	GRE	iP	00.44.57	d	1.31°	Depth about 60km.
		iS	00.45.11			Magnitude: 4.0
	SVI	eP	00.45.14		2.45°	
		eS	00.45.42			
2	TRN	eP	06.14.03			
2	TRN	e(P)	07.50.58		2.0°	
		iS	07.51.19			
	GRE	eP	07.51.00		2.0°	
		eS	07.51.20			
2	TRN	eP	12.33.13		2.0°	
		iS	12.33.34			
	GRE	eP	12.33.(14)		2.0°	
		iP	12.33.(16)			
		iS	12.33.(35)			
2	TRN	iP	19.05.33		1.0°	
		iS	19.05.43			
	GRE	eP	19.05.(35)		1.2°	
		iS	19.05.(47)			
3	SKI	iP	03.35.(59)		0.4°	
		iS	03.36.(03)			
	AWI	iP	03.36.07	d	0.9°	
		iS	03.36.16			
3	TRN	iP	09.43.52		1.0°	
		iS	09.44.03			
	GRE	eP	09.43.(53)		1.1°	
		iS	09.44.(04)			
3	TRN	iP	10.01.31	c	1.2°	
		iS	10.01.43			
	GRE	iP	10.01.(33)	c	1.5°	
		iS	10.01.(48)			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 3	TRN	eP'	14.02.19		150.8°	USCGS gives H: 13.42.27 E: 6.4°S 148.1°E Depth about 32km.
3	AWI	eP	15.06.20		16.6°	USCGS gives H: 15.02.26 E: 22.4°N 45.2°W Depth about 25km.
	SKI	eP	15.06.(27)		17.4°	
	GRE	eP	15.06.(48)		19.0°	
	TRN	eP	15.06.55		19.7°	
		i	15.11.36			
3	AWI	iP	17.32.09	d	1.68°	H: 17.31.45 E: 18.8°N 61.8°W Magnitude: 6.4
	SKI	iP	17.32.(16)	d	1.74°	
	SVI	eP	17.33.05		5.65°	
		iP	17.33.07			
		iS	17.34.03			
	BRB	e	17.33.15		6.06°	Small
	GRE	eP	17.33.20		6.75°	
	TRN	eP	17.33.41		8.16°	
		iP	17.33.45			
		iS	17.35.06			
	HOP	eP	17.35.26		14.29°	
3	AWI	eP	17.38.46		0.7°	
		iS	17.38.53			
	SKI	iP	17.38.(53)		1.5°	
		iS	17.39.(08)			
3	AWI	iP	18.07.02		0.8°	
		iS	18.07.11			
	SKI	iP	18.07.(09)		1.5°	
		iS	18.07.(25)			
3	AWI	eP	18.24.24		1.0°	
		iS	18.24.35			
	SKI	iP	18.24.(31)		1.3°	
		iS	18.24.(45)			
3	AWI	iP	18.55.27	c	1.1°	
		iS	18.55.38			
	SKI	iP	18.55.(31)	c	1.4°	
		iS	18.55.(45)			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 3	AWI	iP	20.31.52	d	0.7°	
		iS	20.32.00			
	SKI	iP	20.31.(59)		1.5°	
		iS	20.32.(15)			
3	AWI	iP	21.10.47	c	0.9°	
		iS	21.10.56			
	SKI	iP	21.10.(50)		(1.2°)	
4	SKI	iP	05.48.(39)	c	0.4°	
		iS	05.48.(43)			
	AWI	eP	05.48.46		(0.9°)	
4	TRN	eP	09.33.05		1.2°	
		iS	09.33.18			
	GRE	eP	09.33.08	d	1.6°	
		iS	09.33.24			
4	BRJ	eP	18.53.(13)		11.0°	USCGS gives H: 18.50.40
	GRE	eP	18.55.04		19.6°	E: 7.5°N 80.9°W
	SVI	eP	18.55.10		20.1°	Depth about 56km.
	HOP	e	18.55.(21)		11.2°	
4	AWI	iP	20.41.49	d	0.6°	
		iS	20.41.55			
	SKI	eP	20.42.(01)		1.7°	
		iS	20.42.(18)			
4	AWI	eP	21.47.04		1.8°	
		iS	21.47.22			
5	SKI	iP	01.52.(31)	c	0.4°	
		iS	01.52.(35)			
	AWI	iP	01.52.41		1.0°	
		iS	01.52.51			
5	SKI	iP	02.06.(40)		0.3°	
		iS	02.06.(43)			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 5	AWI	iP	12.12.14		1.06°	H: 12.11.59
	SKI	iP	12.12.27	d	1.92°	E: 17.2°N 60.7°W
		iS	12.12.46			Magnitude: (5.8)
	GRE	eP	12.13.12		5.21°	
5	AWI	iP	13.49.19	d	0.9°	
		iS	13.49.09			
	SKI	iP	13.49.28	d	1.5°	
		iS	13.49.43			
5	AWI	iP	14.28.29	d	0.8°	
		iS	14.28.37			
	SKI	iP	14.28.41	d	1.8°	
		iS	14.29.00			
6	AWI	iP	05.23.24	d	1.62°	H: 05.23.05
	SKI	iP	05.23.37	d	2.29°	E: 18.1°N 60.5°W
	SVI	eP	05.24.15		4.96°	Magnitude: 5.8
		eS	05.25.05			
	GRE	eP	05.24.31		6.15°	
	TRN	eP	05.24.(52)		7.48°	
6	AWI	eP	06.32.52		1.0°	
		eS	06.33.02			
	SKI	eP	06.33.(07)		(2.1°)	
		i	06.33.(36)			
6	TRN	iP	11.38.57	c	1.2°	
		iS	11.39.10			
	GRE	e	11.39.26			
6	AWI	iP	16.36.46	d	1.2°	
		iS	16.36.59			
	SKI	iP	16.36.55	d	1.6°	
		iS	16.37.11			
6	AWI	iP	17.32.48	d	0.9°	
		iS	17.32.57			
	SKI	iP	17.33.01	d	1.7°	
		iS	17.33.19			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
JUN 7	AWI	iP	15.00.(06)		1.62°	H: 14.59.46
	SKI	iP	15.00.18		2.29°	E: 18.1°N 60.5°W
		i	15.00.30			Magnitude: 6.1
		e	15.08.12			
	SVI	eP	15.00.56		4.96°	
		iS	15.01.47			
	GRE	eP	15.01.12		6.15°	
		iP	15.01.14			
	TRN	eP	15.01.32		7.48°	
		i	15.01.38			
		iS	15.02.49			
7	SKI	eP	19.34.31		3.5°	
	AWI	eP	19.34.43		4.3°	
7	TRN	iP	23.04.21	d	1.2°	
		iS	23.04.34			
	GRE	eP	23.04.24		1.4°	
		i	23.04.47			
8	SKI	eP	20.32.30		(2.56°)	H: About 20.31.53
		iP	20.32.32			E: About 18.2°N 65.3°W
		iS	20.32.56			Magnitude: 6.3
	AWI	iP	20.32.41		(3.42°)	
		i	20.32.50			
	SVI	iP	20.33.21		(6.31°)	
		e	20.38.24			
	GRE	iP	20.33.(31)		(7.01°)	
	TRI	iP	20.33.53	c	(8.40°)	
		iS	20.35.21			
9	AWI	iP	02.56.59	d	1.3°	
		iS	02.57.12			
	SKI	iP	02.57.(12)		1.8°	
		iS	02.57.(31)			
9	TRN	eP	06.09.11		1.2°	
		iS	06.09.23			
9	AWI	iP	06.09.59		0.8°	
		iS	06.10.07			
	SKI	iP	06.10.12		1.8°	
		iS	06.10.30			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 9	AWI	iP	21.37.04	d	0.7°	
		iS	21.37.11			
	SKI	iP	21.37.(12)	d	1.5°	
		iS	21.37.(28)			
9	TRN	eP	23.58.39			
	GRE	eP	23.58.43			
		i	23.58.45			
	SVI	eP	23.58.55			
	AWI	eP	23.59.23			
10	SKI	iP	12.49.25		1.2°	
		iS	12.49.37			
10	TRN	iP	18.37.04	d	0.6°	
		iS	18.37.10			
	GRE	iP	18.37.12		1.5°	
		iS	18.37.27			
10	AWI	iP	21.51.47	d	0.7°	
		iS	21.51.54			
	SKI	iP	21.52.00	c	1.9°	
		iS	21.52.19			
11	SVI	eP	01.29.22			
		i	01.29.30			
11	SVI	eP	07.27.16		73.8°	Yugoslavia. Felt along the Adriatic coast to Trieste. 10 injured, extensive damage at Sarajevo. USCGS gives H: 07.15.38 E: 43.5°N 18.3°E Depth about 21km.
	TRN	eP	07.27.22		75.7°	
11	AWI	iP	17.13.12	c	0.7°	
		iS	17.13.19			
	SKI	iP	17.13.(15)		0.8°	
		iS	17.13.(24)			
12	AWI	iP	16.42.41	c	0.8°	
		iS	16.42.49			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 12	TRN	eP	16.52.17		1.9°	
		iS	16.52.37			
12	TRN	eP	19.30.53		1.4°	
		iS	19.31.07			
13	AWI	iP	08.30.53		0.7°	
		iS	08.31.01			
	SKI	eP	08.30.(59)		1.2°	
		iS	08.31.(12)			
13	AWI	iP	12.03.32	c	1.2°	
		iS	12.03.44			
	SKI	iP	12.03.(45)		(2.0°)	
		iS	12.04.(05)			
14	HOP	eP	03.47.18		9.46°	H: 03.45.05
		eS	03.48.55			E: 9.4°N 72.7°W
	GRE	eP	03.47.43		11.15°	Depth about 75km.
		iP	03.47.46			Magnitude: 5.5
	TRN	eP	03.47.45		11.26°	
		e(PP)	03.47.49			
	SVI	eP	03.47.53		11.88°	
		ePP	03.48.06			
	AWI	eP	03.48.08		13.12°	
14	SKI	iP	08.31.34	c	3.44°	H: 08.30.46
	AWI	iP	08.31.45	c	4.13°	E: 19.8°N 64.9°W
		iS	08.32.25			Depth about 140km.
	TRN	eP	08.33.05		9.84°	Magnitude: 5.8
		iP	08.33.07			
		iS	08.34.48			
		L	08.45.			
	SVI	eP	08.32.34		7.60°	
		e	08.37.44			
	GRE	eP	08.32.44		8.42°	
		e	08.38.52			
	BRB	eP	08.32.48		8.49°	
	HOP	eP	08.33.28		11.48°	

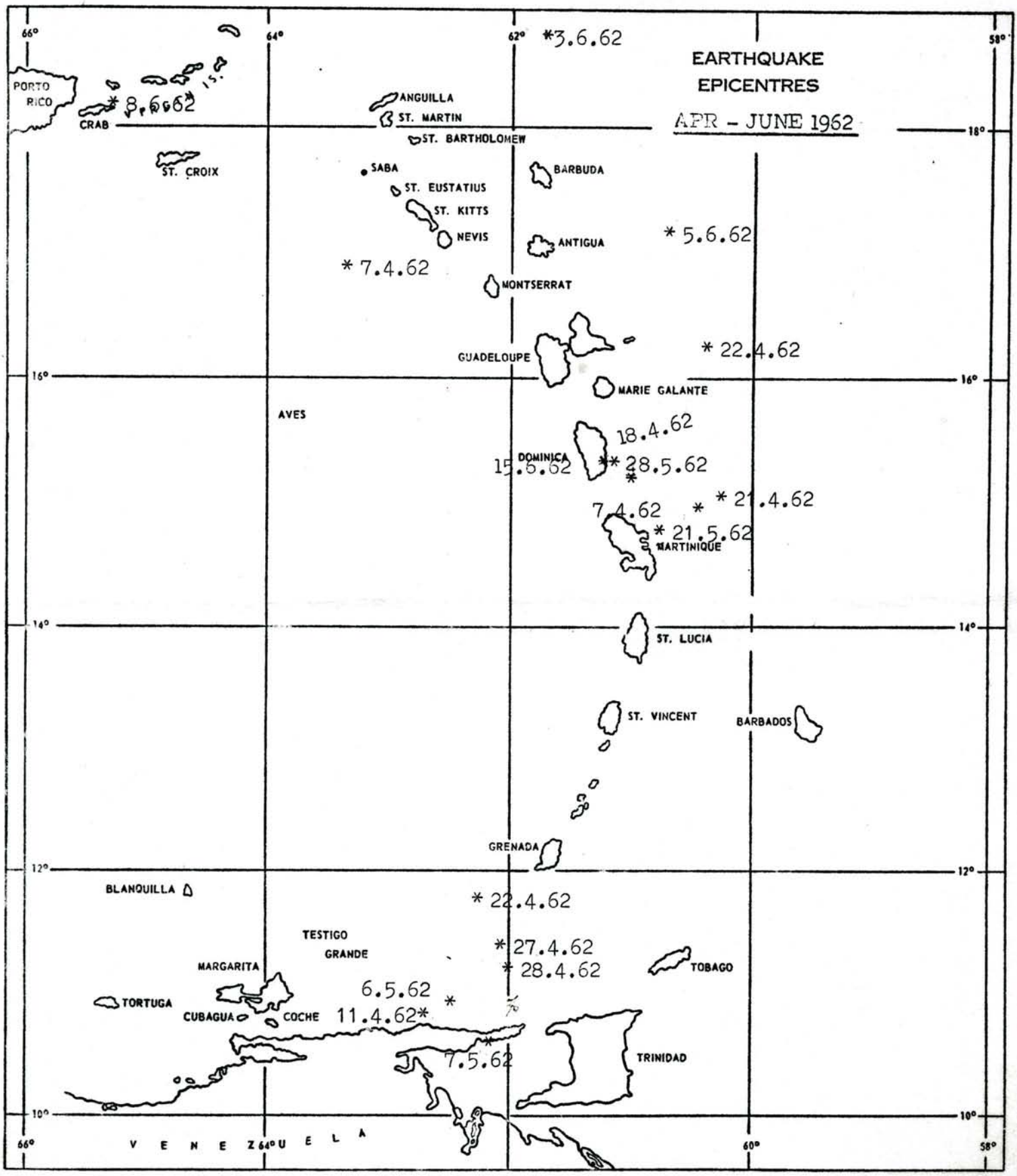
DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
JUN 14	TRN	eP	09.55.39		1.0°	
		iS	09.55.49			
	GRE	eP	09.55.41	d	1.4°	
		iS	09.55.56			
14	TRN	eP	20.22.25		19.7°	USCGS gives H: 20.18.05 E: 1.8°S 76.9°W Depth about 147km.
15	TRN	eP	06.37.04		32.4°	USCGS gives H: 06.30.37 E: 20.4°S 70.9°W Depth about 60km.
		e	06.46.41			
		L	06.50.			
	GRE	eP	06.37.17		33.8°	Very small
	SKI	eP	06.37.55		38.6°	
15	TRN	eP	15.17.13		1.3°	
		iS	15.17.27			
15	AWI	iP	17.36.42	c	2.42°	H: 17.36.07 E: 15.3°N 61.2°W Depth about 170km. Magnitude: 5.4
		iS	17.37.07			
	SVI	iP	17.36.43	c	2.63°	
		iS	17.37.11			
	SKI	iP	17.36.47	c	2.91°	
	BRB	iP	17.36.53	c	3.07°	
		iS	17.37.27			
	GRE	iP	17.36.59		3.58°	
		i	17.36.01			
	TRN	iP	17.37.16	c	4.92°	
		iS	17.38.07			
16	SKI	iP	14.01.(53)	d	2.6°	
		iS	14.02.(20)			
16	TRN	eP	14.19.15		27.3°	USCGS gives H: 14.13.37 E: 10.0°S 79.4°W Depth about 56km.
17	TRN	iP	09.59.16	c	1.3°	
		iS	09.59.29			
	GRE	eP	09.59.23		1.8°	
		iS	09.59.41			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 17	TRN	iP	13.57.38		1.2°	
		iS	13.57.50			
	GRE	eP	13.57.42		1.6°	
		iS	13.57.58			
18	TRN	eP	07.43.14			
18	SKI	iP	08.41.(50)		0.9°	
		iS	08.41.(58)			
18	TRN	eP	19.31.31		1.1°	
		iS	19.31.43			
18/19	GRE	eP'	00.02.05		146.2°	USCGS gives H: 23.42.31 E: 4.8°S 151.8°E Depth about 47km.
	SVI	eP'	00.02.06		146.3°	
		iP'	00.02.07			
		i	00.02.35			
	TRN	iP'	00.02.08	d	146.7°	
19	TRN	eP'	03.51.36		147.0°	USCGS gives H: 03.32.02 E: 5.6°S 151.5°E Depth about 130km.
21	TRN	eP	04.48.32		21.7°	USCGS gives H: 04.43.43 E: 5.7°N 82.6°W Depth about 23km.
		iS	04.52.30			
		L	04.54.			
	GRE	eP	04.48.39		21.8°	
	SVI	eP	04.48.40		22.4°	
		iPP	04.49.12			
21	TRN	iP	06.23.23	d	2.3°	
		iS	06.23.46			
	GRE	eP	06.23.35		2.7°	
		eS	06.24.03			
21	TRN	iP	15.44.44	d		
		e	15.44.54			
22	TRN	eP'	15.15.29		151.7°	Near coast of New Guinea. Felt: Lae. USCGS gives H: 14.55.40 E: 6.9°S 147.0°E Depth about 70km.

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 23	TRN	eP'	10.04.08		142.9°	USCGS gives H: 09.44.38 E: 25.7°N 128.5° Depth about 36km.
		ePP	10.07.35			
		ePS	10.18.11			
		L	10.57.			
23	TRN	eP	13.59.17			
23	TRN	eP	21.13.37			
24	TRN	eP'	03.21.39		151.9°	New Guinea. Felt: Lae and Kaiapit. USCGS gives H: 03.01.48 E: 6.8°S 146.8°E Depth about 50km.
24	TRN	eP	05.01.16		0.5°	
		iS	05.01.21			
24	TRN	eP	07.57.09		1.3°	
		iS	07.57.22			
	GRE	iP	07.57.10	c	1.5°	
		iS	07.57.26			
24	BRB	iP	22.52.48		0.4°	
	SVI	e(P)	22.53.11		2.2°	
		eS	22.53.34			
24	BRB	eP	23.19.57			
		i	23.20.07			
25	TRN	eP	06.35.35		49.3°	USCGS gives H: 06.26.50 E: 37.3°S 73.5°W Depth about 40km.
	GRE	eP	06.35.47		51.0°	
	SVI	eP	06.35.51		51.8°	
25	TRN	iP'	11.30.00	d	145.0°	USCGS gives H: 11.10.23 E: 24.3°N 122.6°E Depth about 33km.
		e	11.33.46			
		L	12.22.			
	DOM	e	11.30.(02)		140.4°	
25	TRN	eP	18.01.47			
		e	18.02.15			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 25	BRJ	iP	18.59.56		5.7°	USCGS gives H: 18.58.36 E: 14.5°N 82.4°W Depth about 25km.
		i	19.00.22			
	HOP	eP	19.00.(09)		6.5°	
		i	19.00.(45)			
		i	19.02.(02)			
	TRN	eP	19.03.16		21.0°	
		eS	19.07.17			
25	SVI	e(P)	19.22.12		3.8°	
		iS	19.22.51			
	DOM	eP	19.22.33		5.2°	
		i	19.23.09			
26	TRN	iP	12.07.25	c	1.2°	
		iS	12.07.38			
26	SVI	eP	15.26.45		2.6°	
		iS	15.27.13			
26	SVI	e(P)	15.46.21		1.5°	
		iS	15.46.36			
27	TRN	eP'	03.49.47		149.7°	New Britain region. Felt: Kandrian. USCGS gives H: 03.30.02 E: 6.1°S 148.8°E Depth about 55km.
27	TRN	iP	04.56.25		0.9°	
		iS	04.56.34			
	SVI	e	04.57.02			
27	SVI	iP	14.47.04		1.4°	
		iS	14.47.19			
28	TRN	e	04.52.13			
		L	05.10.			
28	TRN	eP	05.18.33			
29	TRN	eP	04.23.45			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUN 29	SKI	iP	07.19.27			
29	TRN	eP	16.47.33		1.4°	
		iS	16.47.47			
29	TRN	e	17.09.20			
29	SKI	iP	18.08.00		1.6°	
		iS	18.08.17			
29	TRN	e	22.05.12			
30	TRN	e	20.47.28			
30	SKI	iP	21.25.(59)		2.33°	H: 21.25.32
	DOM	eP	21.26.(33)		4.49°	E: 19.7°N 62.5°W Magnitude: (6.0)
	TRN	eP	21.27.40		9.06°	



% Earthquakes of 16.5.62; 2.6.62

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UNIVERSITY OF THE WEST INDIES

SEISMIC RESEARCH UNIT

TRINIDAD

Jul 1962

Preliminary Seismological Bulletin.

TRINIDAD	(TRN)	Lat. 10°39.0' N	Long. 61°24.1' W	27m.
GRENADA	(GRE)	Lat. 12°02.7' N	Long. 61°44.1' W	30m.
ST. VINCENT	(SVI)	Lat. 13°10.2' N	Long. 61°15.5' W	10m.
BARBADOS	(BRB)	Lat. 13°07.4' N	Long. 59°35.6' W	70m.
DOMINICA	(DOM)	Lat. 15°17.7' N	Long. 61°23.5' W	40m.
ANTIGUA	(AWI)	Lat. 17°08.6' N	Long. 61°50.1' W	27m.
ST. KITTS	(SKI)	Lat. 17°20.3' N	Long. 62°43.7' W	305m.
HOPE, JAMAICA	(HOP)	Lat. 18°01' N	Long. 76°45' W	200m.
BEVERLEY, JAMAICA	(BEV)	Lat. 18°27' N	Long. 77°18' W	123m.
BLACK RIVER, JAMAICA	(BRJ)	Lat. 18°02' N	Long. 77°52' W	8m.

EQUIPMENT

Trinidad is equipped with Vela Uniform standard seismological instruments. The peak magnification of the short period instruments is 25,000 and that of the long period instruments is 750.

All other stations have Willmore-Watts equipment recording the vertical component of the earth motion only. The seismometer period is 0.8 second and the galvanometer period 0.25 second. The peak magnification is 10,000 (at 3 cycles/sec.) except at Barbados where it is 3,000. All stations record at 60 mm/min. Radio time signals are recorded daily.

CARIBBEAN DISTANCES AND EPICENTRES

Uniform velocities of 7.90 km/sec for P waves and 4.56 km/sec for S waves are assumed. The effects of the crust are ignored.

Where the data is insufficient to define an epicentre, an origin time is calculated from the S and P arrival times at each station where these are available. The mean of these origin times is used to calculate a distance for each station recording the earthquake.

When three P arrival times only are known a least square process is used to find a surface focus. If one or more S - P intervals are also known, an approximate depth is determined, and then the least square adjustment of the epicentre is carried out for this depth.

If sufficient data is available a least square adjustment of the depth and the epicentre is carried out.

All least square adjustments are continued until the root mean square of the residuals is less than 0.5 seconds.

Earthquake Magnitudes are computed from:

$$M = \log A/T + Q$$

where A is the amplitude of the ground motion in microns, T is the period and Q is taken from Gutenberg and Richter. Annali di Geophysica Volume IX, No. 1, 1956.

Intensities quoted are on the Modified Mercalli Intensity Scale.

* The Trinidad station has been operated in the past at the temporary sites given below:-

From 1st May 1953 to 1st January 1955 at 10°40.1' N 61°31.2' W Port-of-Spain.
From 1st January 1955 to 1st September 1958 at 10°44.7' N 61°33.2' W North Post.

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUL 1	SKI	iP	07.52.(26)			
1	SKI	eP	10.09.(01)		1.6°	
		iS	10.09.(18)			
1	AWI	iP	16.27.37	d	0.7°	
		iS	16.27.44			
	SKI	eP	16.27.49		1.7°	
		eS	16.28.06			
1	SKI	eP	19.36.45		1.3°	
	AWI	iP	19.36.49	d	1.6°	
		iS	19.37.06			
2	TRN	eP'	08.51.48		133.7°	USCGS gives H: 08.32.38
		e	08.55.07			E: 10.3°S 165.9°E
						Depth about 50km.
2	TRN	iP	15.03.41	c		
2	TRN	iP	20.45.13	c	1.9°	
		iS	20.45.33			
3	TRN	iP	00.00.56	c		
		i	00.01.05			
		i	00.01.15			
3	SKI	iP	01.47.01	c	0.1°	
		iS	01.47.02			
3	SKI	iP	01.59.26		0.2°	
		iS	01.59.28			
3	SKI	iP	02.02.00		0.4°	
		iS	02.02.04			
3	SKI	iP	02.02.38	c	0.2°	
		iS	02.02.40			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE
1962 JUL 3	SKI	iP	02.04.21	c	0.1°
		iS	02.04.22		
3	SKI	iP	02.09.04		0.3°
		iS	02.09.07		
3	SKI	iP	04.07.31		0.1°
		iS	04.07.32		
3	SKI	iP	04.16.30		0.2°
		iS	04.16.32		
3	SKI	iP	04.24.04		0.2°
		iS	04.24.06		
3	SKI	iP	04.24.35		0.2°
		iS	04.24.37		
3	SKI	iP	05.06.57		0.2°
		iS	05.06.59		
3	SKI	iP	05.25.02		
3	SKI	iP	05.25.54		
3	AWI	iP	06.06.52	c	0.8°
		iS	06.07.00		
3	SKI	iP	06.22.19		
3	AWI	iP	06.26.09	d	
3	AWI	iP	06.32.48	c	0.5°
		iS	06.32.53		
3	HOP	iP	14.45.07		(1.0°)
	BRJ	iP	14.45.(22)		1.8°
		iS	14.45.(40)		

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE
1962 JUL 3	TRN	eP	18.08.(34)		(0.7°)
		iS	18.08.40		
3	TRN	e	18.44.26		
		e	18.52.24		
		e	18.59.12		
		i	19.05.18		
3	BRJ	eP	18.57.(43)		(0.6°)
		iS	18.57.49		
4	TRN	eP	14.08.24		1.6°
		iS	14.08.41		
4	SKI	iP	16.44.14		1.2°
		iS	16.44.27		
5	TRN	eP	13.36.34		
		iP	13.36.36		
5	TRN	iP	13.38.17		
	SVI	eP	13.38.39		
		i	13.39.44		
	BRB	e	13.38.17		
5	TRN	eP	14.21.17		
5	TRN	eP	14.45.12		0.9°
		iS	14.45.21		
5	TRN	eP	15.25.08.		
5	SVI	iP	17.29.12	c	1.2°
		iS	17.29.24		
5	TRN	eP	17.30.12		
5	TRN	eP	19.40.53		

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUL 6	SKI	iP	00.12.12		2.4°	
		iS	00.12.37			
6	TRN	eP	23.20.04		114.2°	Hindu Kush. Felt: Afghanistan, Pakistan, Todzik S.S.R. Minor damage. USCGS gives H: 23.05.32 E: 36.6°N 70.4°E Depth about 203 km.
		i	23.24.44			
		i	23.34.14			
7	BRJ	iP	06.25.15		84.1°	USCGS gives H: 06.12.49 E: 51.3°N 178.6°E Depth about 60 km.
	HOP	eP	06.25.20		85.0°	
	TRN	iP	06.26.27	d	99.5°	
7	TRN	e	07.03.20			
		e	07.08.28			
8	AWI	iP	03.21.43		0.8°	
		iS	03.21.52			
8	TRN	eP	04.15.20		71.3°	USCGS gives H: 04.03.57 E: 55.5°S 30.1°W Depth about 25 km.
8	TRN	eP	07.36.04		23.5°	USCGS gives H: 07.30.50 E: 8.1°N 38.0°W Depth about 25 km.
		L	07.42.			
8	AWI	iP	17.35.35	c	0.7°	
		iS	17.35.43			
	SKI	iP	17.35.38		0.9°	
9	AWI	iP	14.01.11		0.8°	
		iS	14.01.20			
10	TRN	iP	04.20.27	c	0.6°	
		iS	04.20.33			
10	TRN	eP	19.26.22		21.9°	USCGS gives H: 19.21.37 E: 6.5°S 75.2°W Depth about 46 km.
		L	19.33.			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUL 11	TRN	eP	03.04.03		1.9°	
		eS	03.04.23			
11	HOP	iP	14.01.17		12.1°	USCGS gives H: 13.58.25 E: 6.5°N 73.2°W Depth about 115km.
		i	14.03.19			
	TRN	eP	14.01.17		12.3°	
	BRJ	iP	14.01.(19)		12.5°	
		i	14.01.(20)			
		iS	14.03.(09)			
	SVI	eP	14.01.33		13.5°	
11	TRN	iP	22.19.25	c	1.2°	
		iS	22.19.38			
12	BRJ	iP	22.32.(14)		0.2°	
		iS	22.32.(17)			
12	TRN	eP	23.06.08			
		e	23.13.16			
13	AWI	eP	03.41.54		0.8°	
		iS	03.42.03			
	SKI	eP	03.42.(07)		1.6°	
13	AWI	eP'	03.51.47		152.7°	Panay, Philippine Islands. Felt: Dipolong, Roxas City, Iloilo, Cuyo, & Palawan. USCGS gives H: 03.32.13 E: 10.2°N 121.7°E Depth about 157km.
	TRN	eP'	03.51.51		159.3°	
		e	04.49.18			
13	SVI	eP	05.17.40		1.9°	
		eS	05.18.0[illegible]			
13	BRJ	iP	12.19.59			
13	TRN	e	17.21.07			
13	TRN	eP	18.40.35			

DATE 1962	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUL 13	GRE	eP	23.01.32		27.4°	USCGS gives H: 22.55.48
	TRN	e(PP)	23.01.52		26.3°	E: 11.9°S 75.1°W
		L	23.07.			Depth about91km.
14	TRN	eP	05.32.03			
		e	05.32.21			
14	TRN	eP	10.55.51			
	GRE	e	10.55.59			
14	TRN	e	15.23.20			
14	TRN	e	20.10.28			
14	TRN	e	22.48.06			
15	AWI	iP	03.08.59	c	0.7°	
		iS	03.09.07			
	SKI	eP	03.09.07		1.2°	
		iS	03.09.20			
15	TRN	eP	07.30.12			
	GRE	eP	07.30.25			
15	HOP	eP	11.20.18			
		iP	11.20.21			
		i	11.20.46			
16	TRN	eP	04.55.14		28.6°	USCGS gives H: 04.49.22
		e	05.00.24			E: 11.2°S 79.8°W
	GRE	eP	04.55.26		29.5°	Depth about 75km.
		e	04.55.48			
16	TRN	eP	11.42.41		1.83°	H: 11.42.16
		iP	11.42.45			E: 9.1°N 61.4°W
	GRE	eP	11.43.01		3.15°	Depth about 100km.
		iS	11.43.33			
	SVI	eP	11.43.16		4.22°	
		iS	11.43.59			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUL 16	TRN	e	12.42.23			
16	AWI	eP	13.06.22		75.6°	USCGS gives H: 12.54.41 E: 62.3°N 153.1°W Depth about 39km.
	SVI	eP	13.06.40		79.3°	
	TRN	eP	13.06.53		81.5°	
16	BRJ	iP	17.24.(30)		0.5°	
		iS	17.24.(35)			
17	GRE	eP	03.46.25		1.0°	
		iS	03.46.35			
	TRN	iP	03.46.35		1.7°	
		iS	03.46.53			
17	TRN	e	04.52.52			
17	TRN	iP	05.41.39	d	55.2°	USCGS gives H: 05.32.09 E: 43.0°S 74.9°W Depth about 26km.
		e(SS)	05.53.52			
		e	06.04.16			
	GRE	eP	05.41.49		56.4°	
	SVI	eP	05.41.56		57.3°	
	SKI	eP	05.42.19		61.3°	
17	TRN	e	08.09.08			
17	AWI	iP	18.11.35	d	0.7°	
		iS	18.11.42			
	SKI	iP	18.11.48		1.6°	
	TRN	L	18.16.			
18	HOP	iP	10.18.04			
	BRJ	iP	10.18.06			
	SVI	e	10.21.32			
	TRN	iP	10.21.38			
18	TRN	iP	16.23.21			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
JUL 18	AWI	iP	22.02.20	c	0.8°	
		iS	22.02.28			
	SKI	iP	22.02.23		1.0°	
		iS	22.02.32			
19	SVI	iP	01.14.04	c	2.19°	H: 01.13.33
		iS	01.14.26			E: 14.9°N 59.9°W
	AWI	iP	01.14.15	d	2.96°	Magnitude: 5.0
	GRE	eP	01.14.21		3.37°	
	SKI	iP	01.14.26		3.70°	
	TRN	e	01.14.40		4.48°	
19	SKI	iP	02.14.34	d	1.4°	
		iS	02.14.49			
	AWI	eP	02.14.43		2.0°	
		iS	02.15.03			
20	TRN	iP	05.23.01		1.0°	
		iS	05.23.11			
	GRE	eP	05.23.07		1.7°	
		iS	05.23.24			
20	TRN	eP	21.23.11		1.5°	
		eS	21.23.27			
21	GRE	eP	03.23.17			
	TRN	i	03.23.27			
22	SKI	iP	00.30.18		1.7°	
		iS	00.30.35			
	AWI	eP	00.30.26		2.3°	
		iS	00.30.50			
22	AWI	eP'	00.41.05		145.2°	USCGS gives H: 00.21.31
	TRN	eP'	00.41.11		146.9°	E: 5.9°S 151.7°E
	SVI	eP'	00.41.11		147.0°	Depth about 81km.
22	TRN	eP	21.33.06			
		e	21.33.17			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
JUL 23	BRJ	eP	01.15.39		11.2°	USCGS gives H: 01.12.53
	SKI	eP	01.18.06		24.0°	E: 10.7°N 86.5°W
	GRE	eP	01.18.09		24.3°	Depth about 44km.
	TRN	eP	01.18.10		24.6°	
	SVI	eP	01.18.12		25.1°	
23	BRJ	iP	01.31.55			
23	SKI	iP	04.07.(44)		1.4°	
		iS	04.07.(58)			
23	TRN	eP	07.12.20		0.5°	
		iS	07.12.25			
23	TRN	iP	13.48.30	d	2.79°	H: 13.47.50
		iS	13.48.58			E: 10.5°N 64.2°W
	GRE	eP	13.48.31		2.89°	Magnitude: 5.1
	SVI	eP	13.48.46		3.94°	
23	TRN	eP	21.20.39		0.4°	
		iS	21.20.43			
23	SKI	iP	22.12.46	c	3.08°	H: 22.12.03
	AWI	eP	22.12.(54)		3.90°	E: 18.7°N 65.5°W
		iP	22.12.(56)			Depth about 100 km.
						Magnitude: 6.1
	SVI	iP	22.13.39		6.90°	
		eS	22.14.49			
		e	22.18.59			
	GRE	iP	22.13.49		7.61°	
		iS	22.15.05			
		e	22.19.22			
	BRB	eP	22.13.58		7.99°	
	TRN	iP	22.14.11	c	8.99°	
		iS	22.15.43			
	HOP	eP	22.14.35		10.80°	
		eS	22.16.26			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUL 24	SKI	iP	03.18.55		1.37°	H: 03.18.35
		iS	03.19.08			E: 18.1°N 63.9°W
	AWI	iP	03.19.(01)	c	2.20°	Magnitude: (5.5)
		iS	03.19.(22)			
	GRE	eP	03.20.05		6.41°	
	TRN	eP	03.20.26		7.84°	
		eS	03.21.48			
24	HOP	eP	04.02.(14)		11.5°	Small
	TRN	eP	04.04.33		24.1°	USCGS gives H: 03.59.14
	GRE	eP	04.04.(34)		23.8°	E: 10.4°N 85.8°W
	SVI	eP	04.04.(38)		24.2°	Depth about 25km.
	SKI	eP	04.05.(25)		23.6°	
24	BRJ	iP	18.16.17		0.2°	
		iS	18.16.19			
24	BRJ	eP	21.11.42		14.2°	USCGS gives H: 21.08.23
	HOP	eP	21.11.59		15.3°	E: 15.5°N 92.5°W
		ePP	21.12.25			Depth about 129km.
	SKI	eP	21.14.06		28.7°	
		e	21.14.31			
	SVI	eP	21.14.(22)		30.3°	
		e	21.14.48			
		e(PP)	21.16.12			
	GRE	eP	21.14.23		30.1°	
		i	21.14.45			
	TRN	eP	21.14.24		30.6°	
		e	21.14.46			
		ePP	21.15.30			
		L	21.24			
24	SKI	iP	21.19.13			
		i	21.19.48			
25	SKI	eP	00.41.42			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUL 25	BRJ	iP	04.38.34		3.3°	USCGS gives H: 04.37.51 E: 18.9°N 81.1°W Depth about 64km.
	HOP	iP	04.38.49		4.3°	
	SKI	eP	04.41.48		17.7°	
	SVI	eP	04.42.18		20.0°	
		iP	04.42.20			
		i	04.43.25			
	GRE	eP	04.42.18		20.0°	
	TRN	iP	04.42.24	c	20.9°	
		i	04.42.28			
		iS	04.46.28			
	BRB	e	04.42.45		21.3°	
25	HOP	eP	05.06.19		4.6°	
		eS	05.07.06			
25	HOP	eP	05.26.55			
25	HOP	eP	07.45.34		4.9°	
		eS	07.46.25			
25	TRN	e	14.00.40			
25	TRN	eP	15.29.38		1.3°	
		iS	15.29.51			
25	BRJ	eP	21.26.26			
	HOP	eP	21.26.41			
		e	21.27.30			
26	TRN	iP	02.38.40	d	25.3°	USCGS gives H: 02.33.15 E: 4.9°S 81.3°W Small Depth about 25km.
	GRE	eP	02.38.43		25.8°	
	SKI	eP	02.39.13		28.8°	
26	BRJ	eP	05.27.(11)			
		i	05.27.33			
	HOP	iP	05.27.20	d		
		i	05.27.41			
		i	05.29.02			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUL 26	TRN	iP	05.53.06	d	1.0°	
		iS	05.53.17			
26	HOP	eP	07.41.33			
26	BRJ	iP	08.17.29		11.5°	South of Panama.
	HOP	eP	08.17.35		11.8°	Felt: Balboa Heights
		iP	08.17.37			USCGS gives H: 08.14.42
		i	08.18.13			E: 7.5°N 82.7°W
		e	08.26.43			Depth about 21km.
		i	08.28.05			
	GRE	eP	08.19.27		21.1°	
		iP	08.19.31			
	TRN	eP	08.19.29		21.3°	
		iP	08.19.32			
		iS	08.23.27			
	SKI	eP	08.19.36		21.7°	
		iP	08.19.(42)			
		e	08.23.(46)			
		i	08.40.(40)			
	SVI	iP	08.19.38		21.8°	
		e	08.23.51			
	BRB	iP	08.19.55		23.1°	
26	TRN	iP	11.42.28	c	1.3°	
		iS	11.42.41			
	GRE	eP	11.42.35		2.0°	
		iS	11.42.56			
26	TRN	iP	13.07.15		1.3°	
		iS	13.07.28			
26	TRN	eP	13.27.(11)			
		i	13.28.06			
26	TRN	eP	16.37.20			
26	AWI	iP	19.18.(38)		1.4°	
		iS	19.18.(52)			
	SKI	iP	19.18.(48)		2.1°	
		iS	19.19.(09)			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962 JUL 26	TRN	e	22.13.20			
		i	22.18.00			
27	TRN	iP	06.35.22	c	1.4°	
		iS	06.35.36			
27	HOP	eP	08.16.43			Small
27	BRJ	iP	11.10.47		1.8°	
		iS	11.11.06			
	HOP	iP	11.10.53		2.3°	
		iS	11.11.17			
27	SVI	iP	21.20.04		1.7°	
		iS	21.20.22			
28	AWI	eP	00.06.44		1.2°	
		iS	00.06.57			
	SKI	iP	00.06.(53)		1.5°	
		iS	00.07.(09)			
28	AWI	iP	01.03.(36)		1.94°	H: 01.03.18
	SKI	iP	01.03.(41)		2.57°	E: 18.3°N 60.3°W
	DOM	iP	01.04.03		3.23°	Magnitude: 5.9
		i	01.04.10			
		i	01.04.39			
	SVI	eP	01.04.32		5.24°	
		e	01.05.38			
	GRE	eP	01.04.49		6.43°	
	TRN	eP	01.05.07		7.74°	
28	AWI	iP	01.06.18	c	0.6°	
		iS	01.06.24			
	SKI	iP	01.06.(23)		0.9°	
		iS	01.06.(32)			
28	SKI	iP	02.12.(42)		0.2°	
		iS	02.12.(44)			
28	SKI	iP	10.54.(13)	d	0.9°	
		iS	10.54.(23)			

1962

			TIME G.M.T.	MOTION	DISTANCE	
JUL 28	TRN	eP	21.34.20		0.4°	
		iS	21.34.24			
29	TRN	iP	21.56.41	c	1.2°	
		iS	21.56.54			
	GRE	iP	21.56.47		1.7°	
		iS	21.57.04			
30	GRE	eP	11.37.38			
30	SKI	eP'	17.36.34		150.5°	Felt: Near North coast of New Guinea.
		i	17.36.39			USCGS gives H: 17.16.44
		e	17.39.47			E: 3.3°S 143.9°E
	AWI	eP'	17.36.34		151.3°	Depth about 25 km.
		i	17.36.41			
		e	17.39.50			
	GRE	eP'	17.36.34		153.2°	
	SVI	eP'	17.36.36		153.5°	
	TRN	iP'	17.36.39		153.9°	
		e	17.39.49			
30	TRN	eP	19.00.40		12.2°	USCGS gives H: 18.57.51
		i	19.00.46		12.3°	E: 6.6°N 73.0°W
		i	19.03.08			Depth about 204 km.
	GRE	eP	19.00.(46)		12.3°	
	SVI	eP	19.00.52		13.4°	
	SKI	eP	19.01.(08)		14.7°	
	BRB	eP	19.01.14		14.4°	
	AWI	eP	19.01.16		15.1°	
30	TRN	eP	20.22.30		15.8°	Western Colombia. Felt at Balboa Heights, C.Z.
		iP	20.22.33			47 killed, 300 injured in
		iS	20.25.28			Caldas Province: property
	GRE	iP	20.22.31		15.9°	damage over 400,000 sq. mile
		i	20.22.39			area.
		iS	20.25.29			USCGS gives H: 20.18.49
	SVI	eP	20.22.(40)		16.9°	E: 5.0°N 76.3°W
		i	20.22.(46)			Depth about 45 km.
		iS	20.26.(00)			
	SKI	eP	20.22.58		18.1°	
		i	20.23.04			
		iS	20.26.23			
	BRB	iP	20.23.02		17.6°	
	AWI	eP	20.23.02		18.7°	

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1962						
JUL 30	GRE	eP	21.43.27		0.9°	
		i	21.43.40			
	TRN	iP	21.43.28	d	0.9°	
		iS	21.43.37			
31	TRN	eP	02.14.08			
31	TRN	eP	02.29.51			
31	SKI	eP	02.38.58			Small
	AWI	eP	02.39.01			
31	TRN	eP'	05.32.53		150.8°	USCGS gives H: 05.13.04 E: 18.8°N 120.8°E Depth about 39km.
31	TRN	eP	16.52.23		1.4°	
		iS	16.52.37			
	GRE	iP	16.52.27	c	1.8°	
		iS	16.52.46			

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