SEISMIC RESEARCH UNIT

Regional Research Centre,

I. C. T. A.

Trinidad, West Indies.

- JAN 1960

Preliminary Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10° 39.0' N	LONG. 61° 24.1' W	27m.
GRENADA	(GREN)	LAT.	12° 02.7' N	LONG. 61° 44.1' W	30m.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	LONG. 61° 15.5' W	10m.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	LONG. 61° 00.5' W	30m.
BARBADOS	(BARB)	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	(ANT)	LAT.	17° 08.6' N	LONG. 61° 50.1' W	27m.
ST. KITTS	(ST. KIT)	LAT.	17° 20.3' N	LONG. 62° 43.7' W	

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and $\frac{1}{4}$ 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.

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 2	GREN	e	03.27.46			Very Small USCGS Gives H: 03.21.52 E: 15½°S 68°W Depth: About 150 km
2	ANT	eP'	05.25.52		154.2°	USCGS Gives H: 05.06.54 E: 2½°N 96°E
2	GREN	iP	13.54.26		1.1°	
		iS	13.54.37			
2	ANT	iP	16.36.12			
	ST. KIT	iP	16.36.21			
2	ANT	iP'	21.42.32		144.3°	USCGS Gives H: 21.22.51 E: 5°S 152½°E
	ST. VIN	iP'_2	21.42.36		145.5°	
4	TRIN	eP	15.10.44		22.6°	USCGS Gives H: 15.05.39 E: 5½°S 77½°W
		i	15.10.49			
		e	15.17.11			
	ST. VIN	eP	15.11.03		24.5°	
5	TRIN	iP	06.09.55	d	1.4°	
		iS	06.10.09			
7	GREN	iP	05.22.20	d		
7	TRIN	eP'	23.37.06		155.6°	Small USCGS Gives H: 23.17.18 E: 6½°N 94½°E
8	ANT	iP	18.19.05		2.26°	H: 18.18.34 E: 17.1°N 59.7°W Depth: About 100 km
		iS	18.19.27			
	ST. KIT	eP	18.19.16		3.07°	
	ST. VIN	eP	18.19.32		4.26°	
8	ANT	iP	20.21.54	c	1.5°	
		iS	20.22.09			
9	TRIN	eP'	07.42.(19)		114.1°	USCGS Gives H: 07.23.50 E: 36°N 69°E Depth: About 150 km
9	TRIN	eP	07.52.(50)			
		e	07.53.(01)			
9	TRIN	eP'	08.02.(13)		168.8°	USCGS Gives H: 07.41.57 E: 1°S 124°E
9	GREN	iP	21.15.29		1.06°	H: 21.15.14 E: 12.1°N 62.3°W Depth: About 100 km
	ST. VIN	iP	21.15.38		1.75°	
		iS	21.15.55			
	TRIN	iP	21.15.40		1.90°	
		iS	21.15.54			
10	ST. VIN	eP	03.52.00		1.1°	
		iS	03.52.13			
	GREN	iP	05.52.08		1.7°	
		iS	05.52.23			
10	ANT	iP	06.06.04	c	1.5°	
		iS	06.06.19			
12	ANT	iP	02.41.06	d	1.4°	
		iS	02.41.20			
	DOM	iP	02.41.19		2.3°	

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 13	DOM	iP	12.45.(00)		0.78°	H: 12.44.50 E: 14.5°N 61.5°W
	ST. VIN	eP	12.45.09		1.36°	
	ANT	eP	12.45.26		2.64°	
13	TRIN	eP	15.46.16		28.6°	Felt: Southern Peru. Many Casualties and extensive property damage at Arequipa.
		i	15.46.21			
		L	15.55			
	GREN	eP	15.46.35		29.7°	USCGS Gives H: 15.40.34 E: 16°S 72°W Depth: About 200 km
	ST. VIN	eP	15.46.36		31.1°	
		i	15.46.43			
		L	15.56			
	BARB	eP	15.46.45		31.5°	
		i	15.46.49			
	DOM	eP	15.47.(00)		33.0°	
	ANT	eP	15.47.(05)		34.3°	
		i	15.47.12			
		L	15.57			
	ST. KIT	eP	15.47.07		34.2°	
		L	15.57			
14	ST. VIN	eP	03.01.19			USCGS Gives H: 02.41.24 E: Near Coast of N. Sumatra
	TRIN	eP	03.01.25			
14	BARB	eP	21.29.07		16.3°	USCGS Gives H: 21.25.15 E: 11°N 43°W
		MT	21.45.43			
	GREN	MT	21.46.31		18.4°	
	ST. VIN	eP	21.29.23		18.0°	
		MT	21.47.34			
	TRIN	eP	21.29.26		18.0°	
	DOM	eP	21.29.(35)		18.5°	
		MT	21.48.08			
	ANT	eP	21.29.40		19.4°	
		MT	21.49.00			
15	TRIN	eP	09.36.15		28.8°	Felt: Lima Area 4 injured and minor damage in Ica Province.
		e	09.36.57			
		e	09.45.17			
	GREN	eP	09.36.18		29,8°	USCGS Gives H: 09.30.24 E: 15°S 75°W Depth: About 150 km
	ST. VIN	eP	09.36.32		31.1°	
	BARB	eP	09.36.45		31.9°	
	ANT	eP	09.37.00		34.2°	
	ST. KIT	eP	09.37.00		34.2°	
15	ST. VIN	eP	20.11.34		1.3°	
		iS	20.11.47			
16	DOM	iP	03.04.(15)		1.99°	H: 03.03.52 E: 15.8°N 59.5°W Depth: About 50 km
	ANT	eP	03.04.29		2.67°	
		i	03.04.52			
	ST. VIN	eP	03.04.36		3.19°	
		eS	03.05.08			
	ST. KIT	eP	03.04.40		3.51°	
	GREN	eP	03.05.(04)		4.36°	
	TRIN	e	03.05.(22)		5.46°	

	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 16	TRIN	iP	12.31.(51)		1.2°	
		iS	13.32.(02)			
	GREN	iP	12.31.(55)		1.5°	
		iS	12.32.(11)			
16	ANT	eP	21.00.55		74.4°	Felt: College, Alaska
	TRIN	eP.	21.01.27		80.0°	USCGS Gives H: 20.49.31 E: 63°N 151°W Depth: About 150 km
16	TRIN	eP'	22.52.(14)		146.2°	Felt: Rabaul, New Britain USCGS Gives H: 23.32.28 E: 4½°S 152°E
17	TRIN	eP	03.03.(48)		28.2°	Very Small
	BARB	eP	03.04.14		31.2°	USCGS Gives H: 02.57.58 E: 14½°S 74½°W
	DOM	eP	03.04.18		32.3°	Depth: About 150 km
		e	03.04.27			
	ST. KIT	eP	03.04.32		33.7°	
	ANT	eP	03.04.32		33.8°	
17	DOM	eP	05.36.(49)			
		i	05.37.03			
	ANT	eP	05.37.04			
		e	05.37.29			
17	ANT	iP	06.00.17		1.25°	H: 06.00.00 E: 17.9°N 60.8°W
	ST. KIT	iP	06.00.26		1.91°	
	DOM	eP	06.00.36		2 66°	
18	GREN	eP	19.33.57		15.0°	Felt: Balboa Heights
		iPP	19.34.(06)			USCGS Gives H: 19.30.18 E: 9°N 77°W
	TRIN	eP	19.33.(58)		15.2°	Depth: About 100 km
		iPP	19.34.(04)			
	ST. VIN	eP	19.34.(02)		15.8°	
		iPP	19.34.(15)			
		e	19.37.(00)			
	ANT	eP	19.34.15		16.5°	
		iPP	19.34.23			
	BARB	eP	19.34.31		17.6°	
		iP	19.34.32			
19	TRIN	eP	04.08.(54)			
		iP	04.08.(57)			
19	ANT	e	06.09.51			Small
	TRIN	e	06.10.(41)			Small
20	ST. VIN	e	01.40.07			Explosive Source? About 13.5°N 63.0°W? at 01.38?
	GREN	e	01.40.30			
		i	01.40.40			
	DOM	e	01.41.(13)			
	ANT	e	01.42.13			
20	TRIN	iP	05.25.(54)			
	GREN	eP	05.26.00			
		iP	05.26.01			
		i	05.26.19			

	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
20	DOM	iP	09.05.48		1.32°	H: 09.05.30
		iS	09.06.02			E: 16.3°N 60.5°W
	ANT	iP	09.05.51	c	1.54°	Depth: About 25 km
		iS	09.06.05			
	ST. KIT	eP	09.06.(03)		2.38°	
		iS	09.06.28			
20	TRIN	iP	13.58.21	c	0.6°	
		iS	13.58.27			
21	ST. KIT	iP	10.02.48			
21	BARB	iP	12.28.01		0.72°	H: 12.27.48
		iS	12.28.05			E: 13.7°N 59.9°W
	ST. VIN	iP	12.28.07	d	1.42°	
		iS	12.28.22			
	GREN	iP	12.28.21		2.44°	
	TRIN	eP	12.28.(38)		3.40°	
		i	12.28.06			
21	ANT	eP	23.58.34			
	DOM	eP	23.58.43			
22	TRIN	iP	00.37.(16)	d	1.3°	
		iS	00.37.(28)			
	GREN	iP	00.37.17	d	1.4°	
23	ST. KIT	iP	02.30.44	d	2.99°	H: 02.30.05
	ANT	iP	02.30.59	d	3.85°	E: 17.6°N 65.9°W
		iS	02.31.39			
	DOM	iP	02.31.11		4.89°	
		iS	02.32.02			
	ST. VIN	iP	02.31.31	d	6.31°	
		iS	02.32.33			
	GREN	iP	02.31.39		6.88°	
		iS	02.32.48			
	TRIN	eP	02.31.(59)		8.22°	
		iS	02.33.(23)			
23	ANT	eP'	05.01.05		164.1°	USCGS Gives H: 04.40.56
						E: 4°S 127½°E
	TRIN	eP'	05.01.(09)		168.8°	Small
		eP'_2	05.02.(19)			
	DOM	eP'_2	05.02.04		165.7°	
	ST. VIN	e	05.02.44		167.2°	
23	ANT	eP'	07.51.23		164.1°	USCGS Gives H: 07.31.14
						E: 4°S 127½°E
	TRIN	eP'	07.51.(27)		168.8°	Small
		eP'_2	07.52.(37)			
	ST. VIN	e	07.53.03		167.2°	
23	TRIN	eP'	18.16.(43)		168.8°	Small
		eP'_2	18.17.(54)			USCGS Gives H: 17.56.30
						E: 4°S 127½°E
23	ST. KIT	i	21.47.44			
	ANT	e	21.47.47			
23	TRIN	eP'	22.16.(54)		146.2°	Felt: Rabaul, New Britain
						USCGS Gives H: 21.57.08
						E: 5½°S 152°E

		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
UAN	24	ANT	iP	06.26.55		0.59°	H: 06.26.47 E: 17.4°N 61.3°W
		ST. KIT	iP	06.27.06	d	1.34°	
		ST. VIN	eP	06.27.(45)		4.26°	
			i	06.28.36			
		GREN	iP	06.28.(06)		5.21°	
		TRIN	eP	06.28.(26)		6.77°	
			iP	06.28.(29)			
			e	06.29.(34)			
	25	ANT	eP	03.43.57		1.5°	
			iS	03.44.11			
		ST. KIT	iP	03.43.59		1.6°	
	25	ANT	eP	14.32.23			
			i	14.32.29			
		ST. KIT	iP	14.32.26			
	25	ST. VIN	iP	21.05.51		1.18°	H: 21.05.35 E: 13.8 N 60.8°W Depth: About 100 km
			iS	21.06.04			
		BARB	iP	21.06.00		1.56°	
		GREN	eP	21.06.04		2.15°	
			iS	21.06.25			
	26	ST. KIT	eP	05.11.42			
			i	05.12.07			
		ANT	e	05.11.(57)			
	26	ST. KIT	iP	23.50.37	d		
		ANT	iP	23.50.41			
		DOM	e	23.51.09			
	27	ANT	eP	09.50.44		1.3°	
			iS	09.50.57			
	27	TRIN	iP	09.58.27	d	1.5°	
			iS	09.58.40			
		GREN	eP	09.58.30		1.7°	
			iS	09.58.48			
	29	ANT	eP'	08.30.11		153.8°	Small Felt: Ambunti, New Guinea USCGS Gives H: 08.10.18° E: 4°S 142½°E
		-				155.2°	Very Small
		TRIN	eP'	08.30.15		1.50°	H: 13.41.01 E: 11.4°N 62.5°W Depth: About 125 km
	29	GREN	eP	13:41:21		1.70°	
		TRIN	eP	13.41.24			
			iS	13.41.41		2.43°	
		ST. VIN	eP	13.41.34			
			eS	13.41.58		1.1°	
	29	TRIN	iP	20.34.00			
			iS	20.34.12		1.7°	
		GREN	eP	20.34.07			
			iS	20.34.23			
	30	TRIN	eP	01.45.(43)			
			i	01.45.(50)			
			e	01.47.(06)			
		GREN	eP	01.45.49			
			i	01.45.53			
		ST. VIN	e	01.45.(54)			
		ANT	eP	01.46.20			

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN	31	TRIN	iP	03.38.46	c	1.56°	H: 03.58.25
			iS	03.59.01			E: 10.7°N 65.0°W
		GREN	eP	03.58.49		1.81°	
			iS	03.59.09			
		ST. VIN	eP	03.59.05		2.98°	
	31	DOM	iP	05.03.49			
	31	ANT	iP	17.56.10		0.9°	
			iS	17.56.19			
	31	TRIN	iP	21.15.21			
		GREN	eP	21.15.31			
		ST. VIN	eP	21.15.(50)			
	31	TRIN	eP	21.17.42			
			iP	21.17.45			
		GREN	e	21.17.55			
	31	TRIN	iP	21.22.23	d		
		GREN	eP	21.22.40			
		ST. VIN	eP	21.22.58			

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GRENADA	(GREN)	LAT.	12° 02.7' N	LONG.	61° 44.1' W	30m.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	LONG.	61° 15.5' W	10m.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	LONG.	61° 00.5' W	30m.
BARBADOS	(BARB)	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	(ANT)	LAT.	17° 08.6' N	LONG.	61° 50.1' W	27m.
ST. KITTS	(ST. KIT)	LAT.	17° 20.3' N	LONG.	62° 43.7' W	

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and $\frac{1}{4}$ second period galvanometers recording at 60mm/min.

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

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

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
FEB	1	TRIN	eP	01.14.22			
			iP	01.14.23			
		GREN	eP	01.14.25			
			e	01.14.41			
	1	DOM	eP	16.55.22		048°	H: 16.55.15
		ST. VIN	iP	16.55.37	d	1.70°	E: 14.9°N 61.3°W
		ANT	eP	16.55.46		2.33°	Depth: About 25 km
		ST. KIT	eP	16.55.53		2.82°	
		GREN	eP	16.55.53		2.85°	
	2	TRIN	iP	05.05.50	d	1.1°	
			iS	05.06.00			
		GREN	iP	05.05.51		1.2°	
			iS	05.06.05			
	2	TRIN	iP	06.20.20		1.22°	H: 06.20.03
			iS	06.20.32			E: 11.1°N 62.3°W
		GREN	iP	06.20.21		1.30°	Depth: About 75 km
			iS	06.20.36			
		ST. VIN	eP	06.20.36		2.40°	
	3	ST. KIT	iP	12.59.14			
	4	ANT	eP'	04.06.02		144.3°	USCGS Gives H: 03.46.30
		GREN	eP'	04.06.05		144.4°	E: 4½°S 153½°E
			e	04.06.19			
		ST. VIN	eP'	04.06.10		144.5°	
		ST. KIT	eP'	04.06.12		142.2°	
			e	04.06.25			
		BARB	eP'_2	04.06.18		146.3°	
	4	ST. VIN	iP	17.59.08		1.1°	
			iS	17.59.19			
	5	TRIN	eP'	05.59.(25)		144.8°	USCGS Gives H: 05.39.46
							E: 4½°S 153½°E
	6	GREN	e	05.26.(24)			Very Small
	6	GREN	eP	06.09.57			
		ST. VIN	eP	06.10.05			
	7	GREN	ePP	04.27.35		10.4°	USCGS Gives H: 04.24.50
			ePPP	04.27.41			E: 7½°N 71½°W
			i	04.27.48			
		ST. VIN	ePP	04.27.(49)		11.6°	
		DOM	ePPP	04.28.(10)		12.6°	
	8	GREN	eP	12.56.(48)		69.4°	Very Small
		ST. VIN	eP	12.56.56		71.5°	USCGS Gives H: 12.45.34
		DOM	eP	12.57.06		73.6°	E: 58°S 67°W
		ST. KIT	eP	12.57.19		75.3°	
	8	TRIN	eP	19.11.(04)		23.2°	USCGS Gives H: 19.06.16
			e	19.11.(35)			E: 8½°S 74½°W
		GREN	eP	19.11.12		24.4°	Depth: About 150 km
			iP	19.11.14			
			i	19.11.45			
		ST. VIN	eP	19.11.25		25.5°	
			i	19.11.56			
		BARB	eP	19.11.35		25.9°	
			e	19.12.11			
		ST. KIT	e	19.12.(27)		28.4°	

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
FEB	8	ST. KIT	eP	21.04.01			
			i	21.04.26			
	9	ST. KIT	eP'	16.54.37		148.9°	USCGS Gives H: 16.34.45 E: 6°S 147°E
			e	16.55.03			
		TRIN	iP'	16.54.(42)		151.5°	
	10	TRIN	eP'	00.16.01		168.8°	USCGS Gives H: 23.55.49 E: 4°S 128°E
			eP'_2	00.17.10			
		ST. KIT	eP'_2	00.16.46		163.1°	
	10	TRIN	eP	22.55.(41)			Small
			i	22.55.(47)			
			i	22.55.(48)			
		ST. VIN	eP	22.55.54			Small
		ANT	eP	22.56.17			
	11	TRIN	ePP	04.48.(09)		129.5°	USCGS Gives H: 04.27.22 E: 14°S 170½°E Depth: About 450 km
	11	ST. VIN	eP	13.02.30		48.3°	USCGS Gives H: 12.53.59 E: 34°S 70½°W Depth: About 100 km
		ANT	eP	13.02.57		51.5°	
		ST. KIT	eP	13.02.58		51.7°	
			e	13.03.20			
	12	TRIN	iP	04.56.55	d	1.28°	H: 04.56.37 E: 10.8°N 62.7°W
			iS	04.57.07			
		GREN	eP	04.56.59		1.61°	
			iS	04.57.16			
		ST. VIN	eP	04.57.(15)		2.80°	
	14	ST. KIT	eP	18.26.42		26.5°	USCGS Give H: 18.20.49 E: 6°S 75½°W
	14	TRIN	iP	19.55.(24)		1.3°	
			iS	19.55.(37)			
	16	ST. VIN	eP	18.35.06			
			e	18.36.10			
	17	TRIN	eP	08.21.(40)			
			i	08.21.(43)			
			i	08.22.(01)			
		GREN	eP	08.21.(49)			
	17	ST. VIN	iP	23.08.43			
	19	TRIN	eP	03.41.(08)			
			i	03.44.(14)			
	19	TRIN	iP	21.38.(56)			
	19	TRIN	iP	22.01.08			
		GREN	eP	22.01.25			
	20	GREN	iP	09.25.03		0.8°	
			iS	09.25.13			
		TRIN	eP.	09.25.(09)		1.3°	
			iS	09.25.(22)			
	21	TRIN	eP'	01.05.52		122.9°	USCGS Gives H: 00.46.56 E: 42°S 173°E Depth: About 60 km

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
FEB 21	TRIN	eP	08.24.(15)		63.0°	Small Felt: Northern Algeria. 47 killed, 88 injured Many houses destroyed at Beni-Ilman and Melouza USCGS Gives H: 08.13.31 E: 36°N 4½°E
23	ST. KIT	iP iS	01.15.00 01.15.16		1.6°	
23	TRIN	eP'2	08.30.(15)		145.7°	USCGS Gives H: 08.10.28 E: 23½°N 121½°E
23	TRIN	eP'	16.24.(26)		144.2°	Felt: Rabaul. Londolovit USCGS Gives H: 16.04.50 E: 6°S 154½°E
23	ST. VIN	iP iS	18.45.20 18.45.40		1.51°	H: 18.44.53 E: 12.6°N 60.0°W Depth: About 150 km
	BARB	eP	18.45.17		1.95°	
	GREN	iP	18.45.24		2.27°	
	TRIN	iP i	18.45.(32) 18.45.(57)		2.75°	
23	ST. VIN	iP	22.11.17	c		
24	TRIN	eP i	05.26.(23) 05.26.(28)			
24	TRIN	iP iS	19.26.53 19.27.05	d	1.2°	
	GREN	iP iS	19.26.59 19.27.15		1.5°	
24	ST. VIN	iP iS	20.36.13 20.36.22	c	0.9°	
24	GREN	eP'	21.56.32		142.4°	Felt: Rabaul, Buin, Kieta, Ruma USCGSGives H: 21.37.04 E: 7½°S 156°E
	ST. VIN	eP'2	21.56.36		143.0°	
	ST. KIT	eP'	21.56.38		141.1°	
	TRIN	eP'	21.56.(39)		142.5°	
25	GREN	iP iS	13.40.27 13.40.43		1.6°	
25	GREN	e	19.18.08			
	ST. VIN	eP	19.18.15		0.6°	
26	ST. VIN	eP iS	05.20.41 05.20.47		1.2°	
26	TRIN	iP iS	05.30.51 05.31.03		0.9°	
26	GREN	eP iS	15.34.30 15.34.38		91.4°	USCGS Gives H: 23.29.25 E: 51½°N 178°W
26	ST. KIT	eP	23.42.(36)		1.10°	H: 03.20.11 E: 10.3°N 62.4°W Depth: About 50 km
29	TRIN	iP	03.20.24		1.90°	
	GREN	iP iS	03.20.36 03.20.54		3.10°	
	ST. VIN	iP	03.20.54			

SEISMIC RESEARCH UNIT

Regional Research Centre,

I. C. T. A.

Trinidad, West Indies.

MARCH 1980

Preliminary Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT. 10° 39.0' N	LONG. 61° 24.1' W	27m.
GRENADA	(GREN)	LAT. 12° 02.7' N	LONG. 61° 44.1' W	30m.
ST. VINCENT	(ST. VIN)	LAT. 13° 10.2' N	LONG. 61° 15.5' W	10m.
ST. LUCIA	(ST. LUC)	LAT. 14° 01.7' N	LONG. 61° 00.5' W	30m.
BARBADOS	(BARB)	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	(ANT)	LAT. 17° 08.6' N	LONG. 61° 50.1' W	27m.
ST. KITTS	(ST. KIT)	LAT. 17° 20.3' N	LONG. 62° 43.7' W	

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and $\frac{1}{4}$ 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.

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAR 1	TRIN	iP	01.30.25	d	0.60°	H: 01.30.17 E: 11.2°N 61.6°W
	GREN	iP	01.30.29		0.84°	
		iS	01.30.46			
	ST. VIN	iP	01.30.43	c	1.97°	
		i	01.31.23			
		MT	01.33.02			
	BARB	eP	01.30.57		2.74°	
3	TRIN	iP	00.00.24	d	1.5°	
		iS	00.00.38			
	GREN	iP	00.00.24		1.5°	
		iS	00.00.40			
3	TRIN	iP	01.43.13	d	1.00°	Felt: Trinidad Intensity IV
	GREN	iP	01.43.17		1.25°	H: 01.42.59'. E: 11.0°N 62.1°W
	ST. VIN	iP	01.43.32		2.38°	Depth: About 70 km
		iS	01.44.03			
	BARB	eP	01.43.48		3.29°	
	DOM	eP	01.43.59		4.38°	
		eS	01.44.49			
4	TRIN	eP	04.31.14		1.5°	
		iS	04.31.29			
4	ST. KIT	iP	06.55.56			
5	DOM	iP	07.48.53	c		
5	TRIN	eP	07.58.17			
5	TRIN	eP'	14.09.26		164.3°	Small
	ST. VIN	eP'	14.09.(37)		162.4°	USCGS Gives H: 13.49.16 E: 1°N 129°E
		eP'_2	14.10.26			
5	ST. VIN	iP	16.04.53		0.2°	
		iS	16.04.58			
		iP	19.03.18	d	1.0°	

Mercalli Intensity Scale used.

		i	22.29.47		
	ST. VIN	iP	22.29.50		
6	TRIN	iP	23.14.30	1.2°	
		iS	23.14.42		
	GREN	iP	23.14.36	1.6°	
		iS	23.14.51		
8	TRIN	eP	04.48.37		Very Small
		e	04.50.52		Very Small,

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAR 8	GREN	iP'	16.52.22		131.0°	USCGS Gives H: 16.33.38 E: 16½° S 168½° E Depth: About 250 km
	ST. VIN	eP'	16.52.24		131.9°	
	DOM	eP'	16.52.26		132.0°	
	BARB	eP'	16.52.31		133.5°	
10	TRIN	eP	00.00.(15)		28.6°	Felt: Southern Peru. 1 killed several injured at Arequipa.
		L	00.09			
	GREN	eP	00.00.26		29.8°	USCGS Gives H: 23.54.20 E: 16° S 72° W Depth: About 150 km
		i	00.00.58			
	ST. VIN	iP	00.00.33	d	31.1°	
	BARB	eP	00.00.41		31.5°	
	DOM	eP	00.00.49		33.0°	
10	TRIN	eP	02.19.(58)		1.4°	
		iS	02.20.(12)			
11	DOM	eP	04.44.39		3.75°	H: 04.43.48 E: 16.1° N 65.2° W
	ST. VIN	iP	04.44.54		4.80°	
	GREN	eP	04.44.58		5.25°	
		iP	04.44.59			
		e	04.46.32			
	TRIN	eP	04.45.19		6.58°	
		iP	04.45.20			
		i	04.47.05			
12	ST. VIN	eP'	02.34.27		145.2°	Small Felt: Rabaul USCGS Gives H: 02.14.56 E: 4° S 152½° E Depth: About 150 km
	TRIN	eP'	02.34.31		145.8°	
		e	02.35.12			
12	DOM	eP'	20.50.24		145.9°	USCGS Gives H: 20.30.39 E: 6° S 152° E
	ST. VIN	iP'	20.50.24	c	146.3°	
	TRIN	iP'	20.50.25		146.7°	
		i	20.50.36			
	BARB	eP'$_2$	20.50.33		148.0°	
13	TRIN	iP	20.51.30	d	1.3°	
		iS	20.51.43			
13	TRIN	eP	23.57.14		15.8°	Felt: Balboa Heights USCGS Gives H: 23.53.32 E: 7½° N 77° W Depth: About 60 km
	ST. VIN	eP	23.57.26		16.1°	
	DOM	eP	23.57.(37)		16.9°	
	BARB	eP	23.57.43		18.0°	
15	TRIN	iP	01.29.54	d	1.4°	
		iS	01.30.08			
15	TRIN	iP	10.20.22		1.2°	
		iS	10.20.34			
16	TRIN	eP	02.18.37		1.6°	
		iS	02.18.54			
17	TRIN	eP	04.43.02			
19	DOM	eP	02.48.49		2.4°	
		iS	02.49.13			
19	DOM	iP	18.29.46	c		
	ST. KIT	eP	18.30.(10)			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1960						
MAR 22	TRIN	iP	08.11.(16)			
	DOM	eP	08.12.15			
22	TRIN	iP	10.02.(51)		1.9°	
		iS	10.03.(10)			
22	BARB	eP	20.28.17			
	DOM	eP	20.28.(41)			
22	BARB	e	20.42.(42)			T Phase ?
	DOM	e	20.45.(01)			
		i	20.45.21			
25	ST. KIT	iP	15.13.54		1.4°	
		iS	15.14.08			
25	TRIN	iP	20.53.02			
26	TRIN	eP	08.47.22			
		i	08.47.29			
26	TRIN	eP	16.29.36		1.4°	
		iS	16.29.50			
27	TRIN	eP'	04.07.38		133.1°	USCGS Gives H: 03.48.27
		e	04.11.16			E: $13\frac{1}{2}^{\circ}$S $166\frac{1}{2}^{\circ}$E
27	GREN	iP	06.06.57		1.0°	
		iS	06.07.08			
	TRIN	iP	06.07.00	c	1.2°	
		iS	06.07.11			
27	ST. KIT	iP	12.44.21	d		
27	TRIN	iP'	23.46.56		121.7°	USCGS Gives H: 23.28.04
						E: $37\frac{1}{2}^{\circ}$S 177°E
28	GREN	eP	00.18.17		20.3°	Felt: Balboa Heights and Coiba Islands
	TRIN	eP	00.18.17		20.5°	USCGS Gives H: 00.13.38
		i	00.18.24			E: $7\frac{1}{2}^{\circ}$N 82°W
	ST. KIT	eP	00.18.(27)		21.1°	
	DOM	eP	00.18.30		21.5°	
29	TRIN	eP'	06.50.17		132.4°	USCGS Gives H: 06.30.54
		e	06.53.43		°	E: 17°S 167°E
	ST. KIT	eP'	06.50.(16)		133.0°	
29	ST. KIT	eP'	22.30.12		148.9°	USCGS Gives H: 22.10.20
	GREN	eP'	22.30.13		151.0°	E: 6°S 147°E
	TRIN	eP'	22.30.18		151.5°	
		i	22.30.22			

EARTHQUAKE EPICENTRES

JAN - MAR 1960

66° 64° 62° 60° 18° 16° 14° 12° 10°

PUERTO RICO
VIRGIN IS.
CRAB
ANGUILLA
ST. MARTIN
ST. BARTHOLOMEW
ST. CROIX
SABA
ST. EUSTATIUS
ST. KITTS
NEVIS
BARBUDA
ANTIGUA
MONTSERRAT
GUADELOUPE
MARIE GALANTE
DOMINICA
MARTINIQUE
ST. LUCIA
ST. VINCENT
BARBADOS
GRENADA
AVES
BLANQUILLA
TESTIGO GRANDE
MARGARITA
TORTUGA
CUBAGUA
COCHE
TOBAGO
TRINIDAD
VENEZUELA

* 23.1.60
* 17.1.60
* 24.1.60
* 8.1.60
* 10.3.60
* 20.1.60
* 16.1.60
* 1.2.60
13.1.60 *
25.1.60 *
* 20.1.60
* 21.1.60
* 23.2.60
* 9.1.60
31.1.60
12.2.60
* 29.1.60
* 2.2.60
* 3.3.60
* 1.3.60
* 29.2.60

SEISMIC RESEARCH UNIT

Regional Research Centre,

I. C. T. A.

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- APR 1960

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STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10° 39.0' N	LONG.	61° 24.1' W	27m.
GRENADA	(GREN)	LAT.	12° 02.7' N	LONG.	61° 44.1' W	30m.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	LONG.	61° 15.5' W	10m.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	LONG.	61° 00.5' W	30m.
BARBADOS	(BARB)	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	(ANT)	LAT.	17° 08.6' N	LONG.	61° 50.1' W	27m.
ST. KITTS	(ST. KIT)	LAT.	17° 20.3' N	LONG.	62° 43.7' W	

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and $\frac{1}{4}$ 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.

DATE		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1960							
APR	2	TRIN	eP	18.18.(23)		3.1°	
			iP	18.18.(24)			
			iS	18.18.(43)			
		ST. VIN	iS	18.18.46		3.8°	
	3	ST. KIT	iP	21.04.32	d		
	3	DOM	iP	23.58.(15)	c	1.35°	H: 23.57.59
		ST. VIN	iP	23.58.(31)		2.41°	E: 15.2°N 60.0°W
		BARB	eP	23.58.32		2.15°	
		ST. KIT	eP	23.58.45		3.35°	
		GREN	iP	23.58.48	d	3.61°	
		TRIN	eP	23.59.05		4.78°	
	4	TRIN	eP'	08.15.(23)		137.8°	Small USCGS Gives H: 07.56.15 E: 10°S 161½°E Depth: About 100 km
	4	BARB	eP	10.34.59			
		ST. VIN	iP	10.35.13	d		
	5	GREN	iP	06.13.24			
	5	BARB	eP	11.00.01		1.17°	H: 10.59.41
		ST. VIN	iP	11.00.01	d	1.41°	E: 12.7°N 60.2° W
			iS	11.00.43			Depth: About 100 km
		GREN	eP	11.00.05		1.85°	
			iP	11.00.06			
			iS	11.00.26			
		TRIN	eP	11.00.16		2.53°	
			iS	11.00.41			
		DOM	eP	11.00.(28)		2.80°	
	5	TRIN	iP	20.18.49	c	1.1°	
			iS	20.18.58			
		GREN	iP	20.18.50	c	1.2°	
			iS	20.19.03			
	5	TRIN	eP	23.50.12			
			iP	23.50.15			
	6	TRIN	eP	02.11.40		31.8°	Small
		GREN	eP	02.11.48		32.7°	USCGS Gives H: 02.05.06
		ST. VIN	eP	02.11.(58)		34.2°	E: 20°S 68½°W
	6	GREN	eP	06.52.33		1.1°	
			iS	06.52.44			
		TRIN	iP	06.52.34	d	1.2°	
			iS	06.52.45			
	6	ST. VIN	iP	20.06.10		1.24°	H: 20.05.53
		GREN	iP	20.06.15		1.68°	E: 12.6°N 60.2°W
			iS	20.06.34			Depth: About 25 km
		TRIN	iP	20.06.24		2.33°	
	6	TRIN	eP	23.43.50			
			e	23.44.02			
	7	TRIN	iP	05.11.36	c	0.6°	
			iS	05.11.42			
	7	TRIN	iP	05.45.15			
	7	TRIN	iP	07.01.11		0.6°	
			iS	07.01. 17			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 10	ST. VIN	iP	02.49.(34)		2.28°	H:02.49.03 E:15.0°N 61.0°W Depth: About 150 km
		iS	02.49.(58)			
	BARB	eP	02.49.43		2.68°	
		eS	02.50.08			
	GREN	iP	02.49.48	c	3.31°	
	TRIN	iP	02.50.06	c	4.56°	
		iS	02.50.54			
10	TRIN	eP'	05.09.17		145.8°	USCGS Gives H: 04.49.41 E: 12½°N 143½°E Depth: About 100 km
		eP'_2	05.09.19			
13	TRIN	iP	20.43.48		1.3°	
		iS	20.44.01			
13	TRIN	iP	23.36.32		0.9°	
		iS	23.36.42			
13	TRIN	eP	23.45.31			
15	TRIN	eP	00.02.44			
		iP	00.03.46			
15	TRIN	iP	01.38.50		0.9°	
		iS	01.38.59			
~~TRI~~ 15	TRIN	eP	03.36.(07)		62.4°	Small USCGS Gives H: 03.25.38 E: 27°S 113°W
16	TRIN	iP	19.44.52	d	1.3°	
		iS	19.45.05			
17	TRIN	eP	01.39.16			
		iP	01.39.18			
17	TRIN	iP	03.11.33	c	1.3°	
		iS	03.11.47			
17	TRIN	iP	07.52.51	d	0.6°	
		iS	07.52.57			
17	DOM	iP	21.31.34			
18	DOM	iP	02.00.09	c		
19	TRIN	eP	02.06.58			
19	DOM	eP	23.33.17			
20	TRIN	eP	15.34.25			
	GREN	iP	15.34.39	c		
21	BARB	iP	02.23.32			
21	TRIN	iP	18.56.48			
		i	18.56.53			
		i	18.56.56			
22	GREN	eP	00.19.39		1.4°	
		iS	00.19.54			
	TRIN	eP	00.19.41		1.6°	
		iS	00.19.56			
22	TRIN	eP	01.49.19			Small
		i	01.49.40			
	GREN	eP	01.49.29			
		e	01.49.53			

DATE 1960		STATION	PHASE	TIME G.M.T	MOTION	DISTANCE	
APR	23	GREN	e	02.44.23			
			i	02.44.40			
	23	GREN	eP	08.26.30		1.2°	
			iS	08.26.42			
	24	ST. KIT	eP'	03.41.29		167.5°	USCGS Gives H: 03.22.23
			eP'_2	03.41.46			E: 6°S 113½°E
			ePP	03.46.29			Depth: About 600km
		DOM	eP'	03.41.30		169.5°	
			eP'_2	03.42.47			
			ePP	03.46.39			
		ST. VIN	iP'	03.41.31	c	171.3°	
			iP'_2	03.42.54			
			iPP	03.46.45			
		GREN	eP'	03.41.31		172.0°	
			iP'_2	03.43.00			
		TRIN	eP'	03.41.32		173.2°	
			eP'_2	03.42.04			
		BARB	iP'	03.41.33	c	170.4°	
	24	TRIN	iP	08.31.21		1.4°	
			iS	08.31.35			
		GREN	iP	08.31.36		2.5°	
			i	08.31.55			
	25	ST. VIN	iP	00.56.17	d		
			i	00.56.46			
		ST. KIT	eP	00.56.24			
		GREN	eP	00.56.(30)			
			i	00.56.31			
		TRIN	eP	00.56.(48)			
			i	00.57.38			
	25	TRIN	iP	01.03.51	d	0.6°	
			iS	01.03.56			
		GREN	eP	01.04.03		1.5°	
	25	TRIN	iP	01.49.51	c	1.3°	
			iS	01.50.03			
		GREN	iP	01.49.54		1.5°	
			iS	01.50.10			
	26	ST. VIN	eP	18.03.53			
	27	ST. KIT	iP	08.57.46			
	29	GREN	iP	02.27.17	c	74.8°	USCGS Gives H: 02.15.35
		ST. KIT	eP	02.27.45		80.5°	E: 56½°S 26°W
	29	ST. KIT	iP	02.48.55			
	29	ST. VIN	eP	07.49.39			
			e	07.50.01			
	29	ST. VIN	e	08.02.(31)			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 29	ST. KIT	iP	08.51.16			
29	TRIN	eP'	19.52.24		169.0°	Small
	ST. KIT	e	19.53.03		165.4°	USCGS Gives H: 19.32.12 E: 0° 122° E
30	DOM	eP'	04.21.40		164.5°	
	TRIN	eP'	04.21.45		169.0°	USCGS Gives H: 04.01.32 E: 0° 122° E
30	ST. KIT	iP	09.01.44	d		
30	TRIN	iP	10.28.42		1.2°	
		iS	10.28.54			
	GREN	eP	10.28.47		1.5°	
		eS	10.29.03			
30	GREN	iP	12.23.00	c	2.2°	
		iS	12.23.22			
30	ST. KIT	e	17.14.13			

UNIVERSITY COLLEGE OF THE WEST INDIES

SEISMIC RESEARCH UNIT

Regional Research Centre,

I. C. T. A.

Trinidad, West Indies.

MAY.1960

Preliminary Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10°	39.0'	N	LONG.	61° 24.1'	W 27m.
GRENADA	(GREN)	LAT.	12°	02.7'	N	LONG.	61° 44.1'	W 30m.
ST. VINCENT	(ST. VIN)	LAT.	13°	10.2'	N	LONG.	61° 15.5'	W 10m.
ST. LUCIA	(ST. LUC)	LAT.	14°	01.7'	N	LONG.	61° 00.5'	W 30m.
BARBADOS	(BARB)	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	(ANT)	LAT.	17°	08.6'	N	LONG.	61° 50.1'	W 27m.
ST. KITTS	(ST. KIT)	LAT.	17°	20.3'	N	LONG.	62° 43.7'	W

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and $\frac{1}{4}$ 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 temproary 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.

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 1	DOM	iP	00.11.40	d		
1	ST. KIT	eP	03.59.24			
2	GREN	eP	02.04.52			
		e	02.05.02			
2	ST. KIT	eP	10.02.28			
2	ANT	eP'	12.30.17		162.8°	USCGS Gives H: 12.10.11
	DOM	eP'	12.30.20		164.4°	E: 0° 121½° E
3	GREN	eP	10.51.17		1.5°	
		iS	10.51.32			
3	DOM	eP	13.36.17	c	1.82°	H: 13.35.52
		iS	13.36.35			E: 15.2° N 59.9° W
	ST. VIN	eP	13.36.27		2.58°	Depth: About 125 km.
		i	13.36.56			
	ANT	iP	13.36.31		2.93°	
		iS	13.37.00			
3	TRIN	iP	04.58.27			
	GREN	iP	04.58.29			
5	TRIN	iP	06.21.16			
	GREN	eP	06.21.31			
5	TRIN	iP	14.33.36		1.31°	H: 14.33.18
		i	14.33.49			E: 10.8° N 62.4° W
	GREN	iP	14.33.41		1.66°	Depth: About 100 km.
		iS	14.33.58			
	ST. VIN	eP	14.33.56		2.76°	
		i	14.34.28			
5	TRIN	iP	18.31.59	c	1.2°	
		iS	18.32.11			
	GREN	iP	18.32.04		1.6°	
		iS	18.32.20			
6	TRIN	iP	04.26.17	c	0.9°	
		iS	04.26.26			
	GREN	eP	04.26.22		1.2°	
6	TRIN	eP	04.58.59			
	GREN	eP	04.59.00			
6	TRIN	eP	06.25.50		33.6°	Very Small
						USCGS Gives H: 06.19.20
						E: 21½° S 71° W
	GREN	eP	06.26.00		34.7°	Very Small
6	TRIN	iP	11.58.59	d	1.40°	H: 11.58.40
		iS	11.59.17			E: 11.2° N 60.5° W
	GREN	iP	11.59.04		1.77°	Depth: About 100 km.
		T	12.00.59			
	ST. VIN	iP	11.59.12		2.32°	
		iS	11.59.39			
		T	12.00.24			
	BARB	iP	12.01.00		2.29°	
		e	12.02.36			
7	TRIN	iP	04.50.43	c	2.4°	
		iS	04.51.05			
	GREN	iP	04.50.46	c	2.6°	
		iS	04.51.13			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1960						
MAY 7	ST. VIN	iP	08.04.09			
	BARB	eP	08.04.11			
	ANT	eP	08.04.22			
		i	08.04.26			
	ST. KIT	eP	08.04.25			
		i	08.04.32			
	GREN	eP	08.04.27			
		i	08.04.29			
	TRIN	eP	08.04.45			
		i	08.04.48			
7	ANT	iP	15.28.00			
9	TRIN	iP	06.46.24	c	1.78°	H: 06.46.01
	GREN	iP	06.46.27	c	2.12°	E: 10.6°N 62.8°W
	ST. VIN	iP	06.46.43	c	3.16°	Depth: About 125 km.
		i	06.48.51			
	BARB	eP	06.47.02		4.18°	
	ANT	iP	06.47.31		6.66°	
	ST. KIT	iP	06.47.33		6.78°	
9	ST. KIT	eP	06.52.51			
	ANT	e	06.53.14			
		i	06.53.25			
9	TRIN	iP	07.43.28	c	1.25°	H: 07.43.12
		iS	07.43.40			E: 9.9°N 62.3°W
	GREN	iP	07.43.42		2.30°	Depth: About 50 km.
	ST. VIN	eP	07.44.00		3.48	
9	TRIN	iP	12.25.32		1.23	H: 12.35.15
		iS	12.35.45			E: 10.6°N 62.6° W
	GREN	iP	12.35.38	c	1.69°	Depth: About 25 km
		iS	12.35.55			
	ST. VIN	eP	12.35.55		2.88°	
		i	12.36.22			
9	DOM	iP	15.53.19	c	1.27°	H: 15.53.04
		iS	15.53.33			E: 15.9°N 60.1°W
	ANT	iP	15.53.29	c	1.95°	
		iS	15.53.48			
	ST. VIN	iP	15.53.43	c	2.93°	
10	TRIN	iP	13.00.44		0.83°	Felt: Trinidad
	GREN	iP	13.01.05		2.25°	H: 13.00.34
		iS	13.01.26			E: 9.8°N 61.4°W
	ST. VIN	eP	13.01.22		3.36°	
		iS	13.01.58			
12	GREN	eP	12.14.52			
		i	12.14.56			
	ST. VIN	eP	12.15.03			
12	TRIN	eP	22.37.01		19.1°	Felt: Panama
	GREN	iP	22.37.02	c	19.6°	USCGS Gives H: 22.32.32
	ST. KIT	eP	22.37.09		20.2°	E: 7½°N 81°W
	ST. VIN	eP	22.37.12		20.2°	
	DOM	eP	22.37.15		20.6°	
	ANT	eP	22.37.19		21.1°	
	BARB	eP	22.37.27		21.8°	

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 12	GREN	eP	23.05.06		19.1°	USCGS Gives H: 23.00.36
	TRIN	eP	23.05.07		19.2°	E: 7½° N 80½° W
	ST. KIT	eP	23.05.(07)		20.0°	
	ST. VIN	eP	23.05.14		19.7°	
	ANT	eP	23.05.20		20.7°	
13	GREN	eP	12.22.15			
		i	12.22.27			
13	ANT	eP	16.19.31		81.5°	USCGS Gives H: 16.07.12
	DOM	eP.	16.19.39		83.2°	E: 55° N 161½° W Small
		e(PcP)	16.19.48			
	TRIN	eP	16.19.58		87.0°	Small
13	DOM	iP	20.59.40		1.4°	
		iS	20.59.54			
	ANT	eP	20.59.47		1.9°	
13	TRIN	eP	22.06.14			
14	DOM	e	21.57.(57)			Small
	TRIN	eP	21.58.28			
15	TRIN	eP	08.04.31			
16	ST. KIT	iP	07.43.55		1.38°	H: 07.43.37
	ANT	iP	07.43.59	c	1.54°	E: 17.5° N 62.5° W Depth: About 150 km
		iS	07.44.14			
	DOM	iP	07.44.14		2.77°	
	GREN	eP	07.44.54		5.70°	
	TRIN	eP	07.45.15		7.10°	
		iS	07.46.27			
16	TRIN	iP	23.55.(12)	d	0.7°	
		iS	23.55.(19)			
	GREN	eP	23.55.32		2.2°	
18	TRIN	eP'	06.54.(29)		139.0°	Very Small USCGS Gives H: 06.35.09 E: 29° N 130° E Depth: About 100 km.
19	ST. KIT	iP	04.46.00	d		
	ANT	eP	04.46.07			
		e	04.46.18			
19	ST. KIT	iP	05.00.02	d	1.7°	
		iS	05.00.19			
	ANT	e	05.00.33			
19	GREN	eP	10.01.22			
	TRIN	eP	10.01.22			
19	DOM	iP	15.20.34		1.40°	H: 15.20.15
		iS	15.20.49			E: 15.3° N 60.0° W
	ST. VIN	iP	15.20.49		2.49°	
		iS	15.21.14			
	ANT	iP	15.20.50	c	2.58°	
		iS	15.21.15			
20	TRIN	eP'	11.31.(48)		131.0°	Small USCGS Gives H: 11.12.31 E: 28° S 167½° E

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 20	ST. KIT	iP	19.54.51	c		
	ANT	eP	19.55.03			
21	TRIN	eP	10.11.(46)		49.5°	Near Coast of Chile. Many Casualties and Extensive Property Damage at Concepcion and surrounding areas. USCGS Gives H: 10.02.50 E: 37½°S 73½°W
		L	10.20.			
	GREN	eP	10.11.54		50.4°	
		i	10.11.57			
		L	10.30.			
	ST. VIN	eP	10.12.00		51.8°	
		i	10.12.15			
		L	10.31.			
	BARB	eP	10.12.10		52.0°	
	DOM	eP	10.12.(19)		53.8°	
		L	10.33.			
	ANT	eP	10.12.30		55.5°	
		iP	10.12.34			
		L	10.35			
	ST. KIT	eP	10.12.32		55.6°	
		iP	10.12.35			
		L	10.34.			
21	BARB	eP	10.28.04		0.9°	
	ST. VIN	eP	10.28.09		1.3°	
		iS	10.28.22			
21	TRIN	eP	11.02.(48)		49.5°	USCGS Gives H: 10.53.51 E: 37½°S 72½°W
	GREN	eP	11.02.50		50.5°	
	ST. VIN	eP	11.03.00		51.8°	
	ST. KIT	eP	11.03.28		55.5°	
	ANT	eP	11.03.30		55.5°	
21	GREN	eP	13.09.00		50.5°	USCGS Gives H: 12.59.58 E: 37½°S 72½°W
	ST. VIN	eP	13.09.08		51.8°	
	ST. KIT	eP	13.09.36		55.5°	
21	GREN	eP	14.08.29		50.5°	USCGS Gives H: 13.59.17 E: 37½°S 72½°W
21	GREN	eP	15.17.54		50.5°	USCGS Gives H: 15.08.45 E: 37½°S 73°W
	ST. VIN	eP	15.17.53		51.7°	
22	GREN	eP	03.55.21		50.5°	USCGS Gives H: 03.46.22 E: 37½°S 73°W
22	GREN	eP	08.19.58		50.5°	USCGS Gives H: 08.10.53 E: 37½°S 73°W
22	TRIN	eP	10.39.33		49.8°	USCGS Gives H: 10.30.39 E: 38°S 73½°W
	GREN	eP	10.39.41		50.9°	
	ST. VIN	eP	10.39.52		52.3°	
		i	10.40.32			
	ST. KIT	eP	10.40.17		55.8°	
22	TRIN	eP	10.41.39		49.5°	USCGS Gives H: 10.32.43 E: 37½°S 73°W
	GREN	eP	10.41.45		50.5°	
	ST. VIN	eP	10.41.54		51.7°	
	BARB	eP	10.41.59		51.9°	
	ST. KIT	eP	10.42.20		55.5°	
22	TRIN	eP'	11.16.(11)		150.2°	Small USCGS Gives H: 10.56.59 E: 19°N 121½°E Depth: About 200 km

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1960						
MAY 22	ANT	iP	11.57.52			
22	ST. VIN	eP	12.26.06		52.5°	USCGS Gives H: 12.16.43
	ST. KIT	eP	12.26.25		55.9°	E: 38°S 73°W
	ANT	eP	12.26.(28)		55.8°	
22	GREN	iP	16.49.16		1.4°	
		iS	16.49.30			
22	TRIN	eP	19.04.53		49.8°	USCGS Gives H: 18.55.57
	GREN	iP	19.05.03		50.9°	E: 38°S 73½°W
	ST. VIN	iP	19.05.12		52.3°	
	BARB	eP	19.05.17		52.5°	
	DOM	eP	19.05.26		54.3°	
	ST. KIT	eP	19.05.36		55.8°	
		iP	19.05.38			
	ANT	eP	19.05.(37)		55.8°	
22	TRIN	eP	19.19.33		49.8°	USCGS Gives H: 19.11.20
	GREN	eP	19.19.43		50.9°	E: 38°S 73½°W
		L	19.37.			
	ST. VIN	eP	19.19.53		52.3°	
	BARB	eP	19.19.57		52.5°	
	DOM	eP	19.20.07		54.3°	
		L	19.41.			
	ANT	eP	19.20.18		55.8°	
		L	19.47.			
	ST. KIT	eP	19.20.18		55.8°	
		iP	19.20.20			
22	TRIN	eP	20.25.(02)			
		e	20.25.55			
	GREN	eP	20.25.03			
		i	20.25.10			
		e	20.26.04			
	ST. VIN	eP	20.25.15			
		e	20.26.21			
	ST. KIT	eP	20.25.33			
	BARB	eP	20.25.36			
	ANT	eP	20.25.39			
22	ST. VIN	eP	20.35.12			
	ST. KIT	e	20.35.36			
22	GREN	eP	20.41.48			
22	ANT	eP	20.45.08			
22	GREN	eP	21.40.37			
		e	21.40.50			
22	TRIN	eP	22.17.12			
	GREN	eP	22.17.22			
	ST. VIN	eP	22.17.29			
	ST. KIT	eP	22.17.55			

DATE	STATION	PHASE	TIME G.M.T	MOTION	DISTANCE	
1960						
MAY 22	TRIN	eP	22.23.(03)			Very Small
	GREN	eP	22.23.11			
		e	22.24.(35)			
	ST. VIN	eP	22.23.(14)			Small
		e	22.24.41			
	ANT	eP	22.23.48			
	ST. KIT	eP	22.23.48			
22	GREN	eP	23.38.41			
	ANT	eP	23.39.13			
22	GREN	eP	23.42.06			
		e	23.42.14			
23	TRIN	eP	00.34.42	50.5°		Small
	GREN	eP	00.34.54	51.8°		USCGS Gives H: 00.25.44 E: 38½°S 75°W
	ST. VIN	eP	00.35.02	53.3°		
	ANT	eP	00.35.26	56.8°		
	ST. KIT	eP	00.35.27	56.8°		
23	TRIN	eP	00.50.45			
	GREN	eP	00.50.55			
	ST. VIN	eP	00.51.03			
	ANT	eP	00.51.27			
	ST. KIT	eP	00.51.29			
23	TRIN	eP	01.00.(06)	49.5°		Small
		e	01.03.05			USCGS Gives H: 00.51.12 E 37½°S 72°W
	GREN	eP	01.00.16	50.4°		
		e	01.03.13			
	ST. VIN	eP	01.00.18	51.7°		
		e	01.03.19			
	ANT	eP	01.00.49	55.2°		
		e	01.03.44			
	ST. KIT	eP	01.00.49	55.3°		
		e	01.03.46			
23	GREN	eP	01.10.50			
23	TRIN	eP	01.44.00	51.6°		USCGS Gives H: 01.34.53 E: 39½°S 74°W
	GREN	eP	01.44.08	52.7°		
	ST. VIN	eP	01.44.16	54.0°		
	ANT	eP	01.44.42	57.5°		
	ST. KIT	eP	01.44.42	57.7°		
23	TRIN	eP	02.55.52	53.2°		USCGS Gives H: 02.46.30 E: 41½°S 73½°W
	GREN	eP	02.56.01	54.4°		
	ST. VIN	eP	02.56.09	55.8°		
	ANT	eP	02.56.34	59.3°		
	ST. KIT	eP	02.56.35	59.5°		
23	TRIN	eP	03.05.52	55.3°		USCGS Gives H: 02.56.17 E: 43°S 75½°W
	GREN	eP	03.06.00	56.5°		
	ST. VIN	eP	03.06.08	57.8°		
	ANT	eP	03.06.33	61.3°		
23	TRIN	eP	03.12.49			Small
	GREN	eP	03.12.58			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 23	GREN	eP	04.36.02			
	ST. KIT	e	04.36.38			
23	TRIN	eP	05.22.32		49.8°	USCGS Gives H: 05.14.35 E: 38°S 73½°W
	GREN	eP	05.22.40		50.9°	
	ST. VIN	eP	05.22.49		52.3°	
	DOM	eP	05.23.02		54.3°	
	ANT	eP	05.23.14		55.8°	
	ST. KIT	eP	05.23.16		55.8°	
23	TRIN	eP	07.19.29		60.2°	USCGS Gives H: 07.09.17 E: 48°S 77°W
	GREN	eP	07.19.35		61.4°	
	ST. VIN	eP	07.19.43		62.8°	
	DOM	eP	07.19.57		64.7°	
	ANT	eP	07.20.07		66.3°	
	ST. KIT	eP	07.20.07		66.3°	
23	TRIN	eP	08.22.38		52.4°	USCGS Gives H: 08.13.15 E: 40½°S 75½°W
	GREN	eP	08.22.47		54.0°	
23	TRIN	eP	10.01.(10)		49.5°	Very Small USCGS Gives H: 09.52.20 E: 37½°S 73°W
	GREN	eP	10.01.21		50.5°	
	ST. VIN	eP	10.01.37		51.7°	Small
	ANT	eP	10.01.55		55.4°	
	ST. KIT	eP	10.01.57		55.5°	
23	TRIN	eP	10.47.25		55.2°	USCGS Gives H: 10.37.59 E: 43½°S 73½°W
	GREN	eP	10.47.43		56.5°	
	ST. VIN	eP	10.47.54		57.8°	
	ANT	eP	10.48.18		61.2°	
	ST. KIT	eP	10.48.20		61.4°	
23	ST. VIN	eP	15.54.41			Very Small
23	TRIN	eP	19.14.(36)			
		i	19.15.40			
23	TRIN	eP	19.17.37			
		i	19.18.39			
	GREN	eP	19.18.24			
		e	19.18.34			
24	GREN	e	01.47.17			Very Small
24	ST. KIT	eP	02.56.32			Small
24	GREN	e	03.55.50			
24	TRIN	eP	07.55.30		1.2°	
		iS	07.55.42			
	GREN	e	07.55.(54)			
24	TRIN	iP	10.33.36		0.8°	
		iS	10.33.42			
	GREN	eP	10.33.48		1.7°	
		iS	10.34.07			
		e	10.35.01			
24	TRIN	eP'	15.05.41		126.0°	Felt: Milford Sound, South Island, New Zealand. USCGS Gives H: 14.46.34 E: 44½°S 167½°E

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
AY 25	TRIN	eP	01.01.02		1.5°	
		iS	01.01.16			
	GREN	eP	01.01.03		1.6°	
		iS	01.01.19			
25	TRIN	eP	05.16.04		1.4°	
		eS	05.16.17			
	GREN	eP	05.16.09		1.8°	
		iS	05.16.28			
25	TRIN	e	06.42.51			
	GREN	e	06.45.00			
25	TRIN	eP	08.44.28		57.2°	USCGS Gives H: 08.34.33 E: 45°S 76°W
	GREN	eP	08.44.32		58.4°	
	ST. VIN	eP	08.44.38		59.8°	
	DOM	eP	08.44.56		61.7°	
	ANT	eP	08.45.05		63.2°	
	ST. KIT	eP	08.45.05		63.4°	
25	GREN	eP	10.08.39			
25	GREN	eP	19.31.09			
26	ST. VIN	eP	05.22.02		75.0°	USCGS Gives H: 05.10.05 E: 40°N 20°E
	TRIN	eP	05.22.(09)		76.5°	Very Small
26	TRIN	iP	10.16.07		1.4°	
		iS	10.16.21			
	GREN	iP	10.16.09		1.6°	
		iS	10.16.26			
26	TRIN	iP	16.07.25			
26	TRIN	iP	19.40.31		1.5°	
		iS	19.40.35			
27	TRIN	iP	01.45.41	c	0.9°	
		i	01.45.46			
		iS	01.45.50			
	ST. VIN	iP	01.45.57	c	2.0°	
		iS	01.46.22			
27	TRIN	iP	03.52.28	d	0.8°	
		iS	03.52.35			
27	TRIN	eP	10.53.13			
27	GREN	e	17.30.23			
27	TRIN	e	20.29.29			
27	TRIN	eP	23.16.47			Small
	GREN	eP	23.16.51			
28	GREN	e	00.05.46			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 28	DOM	iP	01.20.00	d	0.99°	H: 01.19.47 E: 15.0°N 60.4°W
	ST. VIN	iP	01.20.13	c	1.99°	
		iS	01.20.34			
	BARB	eP	01.20.17		2.02°	
		iS	01.20.40			
	ANT	iP	01.20.22	c	2.55°	
		i	01.20.24			
		iS	01.20.52			
	GREN	iP	01.20.30	d	3.20°	
		iS	01.21.06			
	ST. KIT	eP	01.20.30		3.23°	
	TRIN	eP	01.20.47		4.43°	
		iP	01.20.49			
		iS	01.21.36			
28	TRIN	eP	03.15.00		51.5°	USCGS Gives H: 03.05.53 E: 39½°S 74½°W
	GREN	eP	03.15.08		52.6°	
	ST. VIN	eP	03.15.17		53.9°	
	ANT	eP	03.15.42		57.5°	
	ST. KIT	eP	03.15.42		57.7°	
28	TRIN	eP	11.14.32		49.8°	Small USCGS Gives H: 11.05.40 E: 38°S 73°W
	GREN	eP	11.14.43		51.0°	
	ST. VIN	eP	11.14.52		52.2°	
	ST. KIT	eP	11.15.17		55.9°	
28	ST. KIT	iP	17.18.36		1.1°	
	ANT	iP	17.18.(42)		1.5°	
		iS	17.18.(57)			
29	TRIN	eP	07.48.24		49.7°	USCGS Gives H: 07.39.29 E: 38°S 72½°W
	GREN	eP	07.48.30		50.8°	
		iP	07.48.33			
	ST. VIN	eP	07.48.39		52.2°	
	DOM	eP	07.48.57		54.2°	
	ANT	eP	07.49.(04)		55.8°	
	ST. KIT	eP	07.49.06		55.8°	
29	TRIN	eP	08.43.17		49.5°	USCGS Gives H: 08.34.20 E: 37½°S 73°W
	GREN	eP	08.43.22		50.5°	
	ST. VIN	eP	08.43.33		51.7°	
30	TRIN	eP	03.54.28			
		iP	03.54.29			
30	TRIN	iP	08.00.37		0.9°	
		iS	08.00.47			
30	TRIN	eP	08.17.38			
30	TRIN	iP	09.14.04		1.4°	
		iS	09.14.18			
30	ST. VIN	eP	22.16.36			
31	TRIN	eP	02.49.14		51.7°	USCGS Gives H: 02.40.00 E: 39½°N 75°W
		e	02.50.26			
	GREN	eP	02.49.21		53.0°	
	ST. VIN	eP	02.49.29		54.2°	
	ST. KIT	eP	02.49.(42)		57.9°	
	DOM	eP	02.49.43		56.2°	
	ANT	eP	02.49.55		57.9°	

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 31	GREN	eP	10.17.48		1.2°	
		i	10.18.05			
		i	10.18.29			
	ST. VIN	iP	10.17.49	c	1.2°	
		iS	10.18.02			
31	ST. KIT	iP	11.02.42		2.17°	Leeward Islands
	DOM	eP	11.03.01		3.55°	Felt: St. Kitts
	ST. VIN	iP	11.03.30		5.66°	Felt: Antigua Intensity V.
	BARB	eP	11.03.35		5.89°	H: 11.02.12
	GREN	iP	11.03.45	c	6.81°	E: 18.9°N 61.1°W
		i	11.08.10			
	TRIN	eP	11.04.03		8.18°	
		iP	11.04.04			
31	BARB	eP	11.11.57			Leeward Islands Aftershock
	GREN	iP	11.12.10	d		Felt: Antigua.
	TRIN	eP	11.12.28			
31	ANT	iP	11.16.52			Leeward Islands Aftershock
	ST. KIT	iP	11.17.02			
31	ANT	iP	11.20.19	c		Leeward Islands. Aftershock
	ST. KIT	eP	11.20.27			
31	ANT	iP	11.22.39			Leeward Islands. Aftershock
	ST. KIT	iP	11.22.48			
31	ANT	iP	11.24.32			Leeward Islands. Aftershock
	DOM	eP	11.25.(01)			
31	ST. VIN	eP	11.27.57			
	ANT	eP	11.28.32			
	ST. KIT	e	11.28.50			
31	ANT	iP	11.34.44			Leeward Islands. Aftershock
	ST. KIT	iP	11.34.49			
31	ANT	iP	11.39.42			
31	DOM	eP	11.42.57		3.55°	Leeward Islands. Aftershock
	ST. VIN	eP	11.43.26		5.66°	H: 11.42.09
	BARB	eP	11.43.32		5.89°	E: 18.9°N 61.1°W
	GREN	iP	11.43.41		6.81°	
	TRIN	eP	11.44.(02)		8.18°	
		i	11.44.(08)			
		e	11.45.(23)			
31	ANT	iP	11.48.30			
31	ANT	iP	11.58.01			Leeward Islands. Aftershock
	DOM	eP	11.58.26			
	ST. VIN	eP	11.58.54			
	TRIN	e	11.59.(30)			
31	ANT	iP	12.02.(49)			Leeward Islands. Aftershock
	DOM	eP	12.03.16			
	ST. VIN	eP	12.03.46			
	GREN	eP	12.04.00			
	TRIN	eP	12.04.20			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 31	ANT	iP	12.06.11			
31	ANT	iP	12.13.34			
31	ANT	iP	12.15.17			Leeward Islands. Aftershock
	ST. KIT	iP	12.15.25			
31	ANT	iP	12.16.49			
31	ANT	iP	12.22.54			
31	ANT	iP	12.24.04			
31	ANT	iP	12.26.11		1.0°	
		iS	12.26.21			
31	ANT	iP	12.26.45			
31	ANT	iP	12.29.12			
31	ST. KIT	iP	12.35.20	d		
	ANT	iP	12.35.49			
31	ANT	iP	12.39.39			Leeward Islands. Aftershock
	ST. KIT	iP	12.39.47	d		
31	ST. KIT	iP	13.02.11			
31	ANT	iP	13.03.04			
	ST. KIT	iP	13.03.29			
31	ANT	iP	13.03.22			
31	ANT	iP	13.19.00			Leeward Islands. Aftershock
	ST. KIT	iP	13.19.08			
31	ANT	iP	13.21.51			
	ST. KIT	iP	13.21.59			
31	ANT	eP	13.23.17		1.3°	
		iS	13.23.30			
31	ANT	eP	13.31.34		1.2°	
		iS	13.31.46			
31	ANT	iP	13.32.15			Leeward Islands. Aftershock
	DOM	iP	13.32.(44)			
31	ANT	iP	13.46.07			Leeward Islands.Aftershock
	ST. KIT	iP	13.46.14			
31	DOM	iP	13.46.(56)			Leeward Islands. Aftershock
	ST. VIN	eP	13.47.22			
31	ANT	eP	13.51.16			Leeward Islands. Aftershock
	ST. KIT	iP	13.51.22			
31	ANT	iP	13.53.54			Leeward Islands. Aftershock
	ST. KIT	iP	13.54.02			
31	ANT	iP	13.55.06			Leeward Islands. Aftershock
	DOM	eP	13.55.32			
	ST. VIN	eP	13.56.01			
31	ANT	iP	14.12.10			Leeward Islands. Aftershock
	ST. KIT	iP	14.12.13			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 31	ANT	iP	14.13.51		1.2°	
		iS	14.14.03			
31	ANT	iP	14.26.05			Leeward Islands. Aftershock
	ST. KIT	iP	14.26.13			
31	ANT	iP	14.40.31			Leeward Islands. Aftershock
	ST. KIT	iP	14.40.40			
31	ANT	eP	15.01.(08)			
	ST. KIT	eP	15.01.21			
31	ANT	iP	15.07.56			Leeward Islands. Aftershock
	ST. KIT	iP	15.08.04			
31	ANT	eP	15.12.47			Leeward Islands. Aftershock
	ST. KIT	iP	15.12.55	d		
31	ANT	iP	15.19.15			Leeward Islands. Aftershock
	ST. KIT	iP	15.19.24			
31	ST. KIT	iP	15.22.55			
31	ANT	iP	15.25.45	d		
31	ANT	iP	15.32.31	c		
	DOM	eP	15.33.(06)			
31	ANT	iP	15.41.36			Leeward Islands. Aftershock
	DOM	iP	15.42.04			
	ST. VIN	eP	15.42.34			
	GREN	eP	15.42.48			
31	ANT	eP	15.52.39		1.3°	
		iS	15.52.51			
31	ANT	eP	16.16.16			Leeward Islands. Aftershock
	ST. KIT	iP	16.16.19	d		
31	ANT	iP	16.59.56		1.3°	Leeward Islands. Aftershock
		iS	17.00.09			
	ST. KIT	iP	17.00.03		1.6°	
		iS	17.00.19			
31	ANT	eP	17.12.09		1.3°	
		iS	17.12.22			
	ST. KIT	iP	17.12.20		2.0°	
31	ANT	iP	17.16.48			Leeward Islands. Aftershock
	ST. KIT	iP	17.16.57			
31	ANT	iP	17.45.18			Leeward Islands. Aftershock
	ST. KIT	iP	17.45.26			
31	ANT	eP	17.51.32			Leeward Islands. Aftershock
	ST. KIT	iP	17.51.38			
31	ANT	iP	18.16.09			Leeward Islands. Aftershock
	ST. KIT	iP	18.16.18			
	DOM	eP	18.16.(38)			
31	ANT	eP	18.17.40			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
AY 31	ANT	iP	18.21.35			Leeward Islands. Aftershock
	ST. KIT	iP	18.21.46			
31	ANT	eP	18.28.14			Leeward Islands. Aftershock
	ST. KIT	iP	18.28.23			
31	ANT	iP	18.33.02			Leeward Islands. Aftershock
	ST. KIT	iP	18.33.12			
	DOM	eP	18.33.(32)			
31	ANT	iP	18.35.33			Leeward Islands. Aftershock
	DOM	eP	18.35.(55)			
31	ANT	iP	18.50.18			Leeward Islands. Aftershock
	ST. KIT	iP	18.50.28	d		
31	ANT	eP	19.02.58			Leeward Islands. Aftershock
	ST. KIT	iP	19.03.04	c		
31	ANT	iP	19.06.25		1.0°	
		iS	19.06.35			
31	ANT	iP	19.12.36			Leeward Islands. Aftershock
	ST. KIT	iP	19.12.47	d		
31	ANT	iP	19.30.16			Leeward Islands. Aftershock
	DOM	eP	19.30.45			
	ST. VIN	eP	19.31.(11)			
31	ANT	iP	19.32.40			Leeward Islands. Aftershock
	DOM	eP	19.33.(08)			
31	ANT	eP	19.50.14			Leeward Islands. Aftershock
	ST. KIT	iP	19.50.21			
31	ANT	eP	19.53.54			
31	ANT	iP	20.10.29			Leeward Islands. Aftershock
	ST. KIT	iP	20.10.39			
	DOM	eP	20.10.(57)			
31	ANT	eP	20.12.53			
31	ANT	eP	20.41.32			Leeward Islands. Aftershock
	ST. KIT	iP	20.41.35			
31	ST. VIN	eP	20.45.09			
		i	20.45.21			
31	ANT	iP	20.46.09			Leeward Islands. Aftershock
	ST. KIT	iP	20.46.17			
31	ANT	eP	21.11.34			Leeward Islands. Aftershock
	ST. KIT	eP	21.11.40			
31	ANT	iP	21.12.20			Leeward Islands. Aftershock
	ST. KIT	eP	21.12.29			
	DOM	eP	21.12.(52)			
31	ANT	iP	21.17.59		1.2°	
		iS	21.18.11			
	ST. KIT	eP	21.18.06		1.6°	
		iS	21.18.21			

TE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
60						
Y 31	ANT	iP	21.31.39			Leeward Islands. Aftershock
	ST. KIT	iP	21.31.48	d		
31	ANT	eP	22.03.59			
31	ANT	eP	22.37.39		1.2°	Leeward Islands. Aftershock
	ST. KIT	eP	22.37.45		1.6°	
		iS	22.38.01			
31	ANT	eP	22.46.52		0.8°	Leeward Islands. Aftershock
	ST. KIT	eP	22.47.00		1.4°	
		iS	22.47.14			
31	ANT	iP	22.48.06			Leeward Islands. Aftershock
	ST. KIT	iP	22.48.14			
	DOM	eP	22.48.35			
31	ANT	eP	22.54.45		1.0°	Leeward Islands. Aftershock
	ST. KIT	iP	22.54.52		1.5°	
		iS	22.55.08			
31	ANT	eP	23.28.39			
	ST. KIT	eP	23.29.00			
31	ANT	eP	23.31.00			
31	ANT	iP	23.56.44		1.0°	
		iS	23.56.54			

SEISMIC RESEARCH UNIT

UNIVERSITY COLLEGE OF THE WEST INDIES

Regional Research Centre,

I. C. T. A.

Trinidad, West Indies.

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Preliminary Seismological Bulletin.

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUNE	1	ANT	eP	00.35.33			Leeward Islands. Aftershock
		ST. KIT	iP	00.35.42	c		
	1	ANT	eP	00.58.33			Leeward Islands. Aftershock
		ST. KIT	iP	00.58.37	d		
	1	ANT	iP	01.07.07			Leeward Islands. Aftershock
		ST. KIT	iP	01.07.14	d		
	1	ANT	eP	01.14.15		1.5°	
			iS	01.14.31			
		ST. KIT	iP	01.14.21	c	1.9°	
			iS	01.14.39			
	1	ANT	eP	01.32.11		1.2°	Leeward Islands. Aftershock
		ST. KIT	iP	01.32.17	c	1.6°	
			iS	01.32.33			
	1	ANT	eP	02.51.21			Leeward Islands. Aftershock
		ST. KIT	iP	02.51.30	d		
	1	ANT	eP	03.40.00		1.2°	Leeward Islands. Aftershock
		ST. KIT	iP	03.40.07		1.7°	
			iS	03.40.24			
	1	GREN	eP	05.11.58		51.0°	USCGS Gives H: 05.02.56
			iP	05.12.02			E: 38°S 73°W
		ST. KIT	eP	05.12.34		55.9°	
		ST. VIN	eP	05.12.53		52.5°	
	1	ANT	eP	07.02.58		0.7°	Leeward Islands. Aftershock
		ST. KIT	iP	07.03.05		1.2°	
			iS	07.03.18			
	1	ANT	eP	09.10.32			
	1	ANT	eP	09.17.49		1.2°	Leeward Islands. Aftershock
		ST. KIT	iP	09.17.55		1.7°	
			iS	09.18.12			
	1	ANT	eP	10.46.10		1.1°	Leeward Islands. Aftershock
			iS	10.46.21			
		ST. KIT	iP	10.46.20		1.8°	
	1	ANT	iP	11.14.01			Leeward Islands. Aftershock
		ST. KIT	iP	11.14.10	c		
	1	ANT	eP	11.43.51		1.5°	
			iS	11.44.06			
	1	ANT	iP	13.04.45	d	1.6°	
			iS	13.05.01			
		ST. KIT	iP	13.04.55		2.3°	
	1	ANT	eP	13.17.43		0.9°	
			eS	13.17.52			
	1	ANT	iP	13.30.25		0.72°	H: 13.30.15
		ST. KIT	iP	13.30.32		1.20°	E: 17.8°N 61.6°
		DOM	eP	13.30.50		2.54°	
		ST. VIN	eP	13.31.20		4.67°	
	1	ANT	iP	15.07.57		1.3°	
			iS	15.08.09			

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUNE	1	ANT	iP	17.37.16	d	1.2°	Leeward Islands. Aftershock
			iS	17.37.28			
		ST. KIT	iP	17.37.25		1.8°	
	1	ANT	eP	19.17.18		1.0°	Leeward Islands. Aftershock
			iS	19.17.27			
		ST. KIT	iP	19.17.26		1.6°	
	1	ANT	iP	19.50.24		0.9°	
			iS	19.50.33			
	2	ANT	iP	01.52.36	d	0.9°	Leeward Islands. Aftershock
			iS	01.52.46			
		ST. KIT	iP	01.52.47		2.2°	
		DOM	iP	01.53.06	d	3.5°	
	2	GREN	eP	05.11.53			
	2	GREN	eP	06.08.14		59.6°	USCGS Gives H: 05.58.03
			i	06.08.21			E: 46½°S 74°W
		ST. VIN	eP	06.08.17		61.0°	
		DOM	eP	06.08.33		62.8°	
		ANT	eP	06.08.37		64.2°	
		ST. KIT	eP	06.08.39		64.2°	
			e	06.08.44			
	2	ST. KIT	eP'	08.06.51		145.6°	Felt: Rabaul, New Britain
		ANT	eP'	08.06.54		145.8°	USCGS Gives H: 07.47.11
							E: 5½°S 151½°E
		ST. VIN	eP'	08.06.58		146.8°	
		DOM	eP'	08.06.59		146.3°	
		GREN	eP'	08.06.59		147.0°	
	2	GREN	eP	08.45.(37)		52.2°	USCGS Gives H: 08.36.10
							E: 40°S 74°W
	2	ANT	iP	12.15.52			Leeward Islands. Aftershock
		ST. KIT	iP	12.16.00	d		
		DOM	e	12.16.18			
	2	ANT	iP	12.51.27	d	1.0°	Leeward Islands. Aftershock
			iS	12.51.37			
		ST. KIT	iP	12.51.34	d	1.6°	
	2	TRIN	iP	16.11.48	c	1.2°	
			iS	16.12.00			
	2	ANT	eP	17.33.41		1.6°	
			iS	17.33.57			
		ST. KIT	iP	17.33.43		1.7°	
	2	ANT	iP	18.08.08		0.51°	H: 18.08.02
		ST. KIT	iP	18.08.(16)		0.57°	E: 17.5°N 61.5°W
		DOM	eP	18.08.35		2.23°	
		BARB	eP	18.09.11		4.79°	
		TRIN	eP	18.09.41		6.90°	
	2	ANT	iP	18.12.58			Leeward Islands. Aftershock
		DOM	iP	18.13.26			
	2	ANT	iP	18.15.12			
	2	ANT	iP	18.27.35			Leeward Islands. Aftershock
		ST. KIT	iP	18.27.44			

DATE 1960		STATION	PHASE	TIME G.M.T.		MOTION	DISTANCE	
JUNE	2	ST. KIT	iP	19.05.07				
		ANT	iP	19.05.18				
		DOM	e	19.05.44				Small
	2	ANT	eP	19.56.26				Leeward Islands. Aftershock
		ST. KIT	iP	19.56.33				
	2	TRIN	e	23.39.46				
	3	ANT	iP	00.57.21				Leeward Islands. Aftershock
		ST. KIT	iP	00.57.29				
		DOM	eP	00.57.50				
	3	ANT	eP	01.05.28				Leeward Islands. Aftershock
		ST. KIT	iP	01.05.34	d			
	3	TRIN	iP	03.02.21				
	3	ANT	eP	03.22.10		0.9°		Leeward Islands. Aftershock
		ST. KIT	iP	03.22.18		1.5°		
			iS	03.22.33				
	3	TRIN	eP'	07.58.03		147.8°		USCGS Gives H: 07.38.14 E: 5½°S 151°E
	3	DOM	eP	08.12.12				
	3	ANT	iP	09.11.42				Leeward Islands. Aftershock
		ST. KIT	iP	09.11.51				
	3	ANT	iP	14.30.12	d			Leeward Islands. Aftershock
		ST. KIT	iP	14.30.21				
		DOM	iP	14.30.40	c			
	3	ANT	iP	16.38.52		1.2°		Leeward Islands. Aftershock
			iS	16.39.04				
		ST. KIT	iP	16.39.00		1.8°		
	3	ANT	iP	17.24.29		0.9°		Leeward Islands. Aftershock
			iS	17.24.37				
		ST. KIT	iP	17.24.36		1.4°		
			iS	17.24.50				
	3	ANT	iP	20.07.53		1.5°		
		ST. KIT	iP	20.08.03		2.3°		
		DOM	eP	20.08.(22)		3.6°		
			iS	20.08.(58)				
	3	ANT	iP	20.57.54		1.3°		
			iS	20.58.07				
		ST. KIT	iP	20.58.02		1.9°		
	4	ANT	iP	01.35.10		1.3°		
			iS	01.35.22				
		ST. KIT	iP	01.35.15		1.7°		
			iS	01.35.33				
	4	ST. KIT	eP	02.34.37		31.3°		USCGS Gives H: 02.27.06 E: 20°N 95½°W
		ANT	eP	02.34.45		32.1°		
		GREN	eP	02.34.56		33.6°		
		ST. VIN	eP	02.34.56		33.7°		
		TRIN	eP	02.35.00		34.1°		
			iPP	02.35.02				

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUNE	4	ST. VIN	iP	02.36.15		1.4°	
			iS	02.36.29			
		TRIN	eP	02.36.(53)		4.2°	
	4	TRIN	eP	02.47.16		1.9°	
			iS	02.47.34			
		GREN	eP	02.47.21		2.3°	
			iS	02.47.45			
	4	ANT	iP	03.17.51			Leeward Islands. Aftershock
		ST. KIT	iP	03.17.58			
	4	ANT	eP	04.51.58		1.0°	Leeward Islands. Aftershock
			iS	04.52.08			
		ST KIT	iP	04.52.04	c	1.5°	
			iS	04.52.18			
	4	ANT	eP	05.20.08		1.2°	Leeward Islands. Aftershock
			iS	05.20.19			
		ST. KIT	iP	05.20.12		1.5°	
			iS	05.20.28			
	4	DOM	eP	05.21.(33)			
	4	GREN	eP	06.35.15			
		TRIN	eP	06.35.15			
			i	06.35.34			
	4	TRIN	eP	06.51.01		1.30°	
			eS	06.51.14			
	4	TRIN	e	07.44.36			Very Small
	4	TRIN	eP	08.05.02		1.6°	
			eS	08.05.18			
	4	DOM	eP	10.01.50		1.82°	H: 10.01.25
			iS	10.20.07			E: 14.3°N 59.8°W
		ST. VIN	iP	10.01.50		1.85°	
			iS	10.02.08			
		GREN	eP	10.02.06		2.99°	
		TRIN	eP	10.02.24		4.00°	
	4	ANT	iP	21.49.05		0.9°	Leeward Islands. Aftershock
			iS	21.49.13			
		ST. KIT	iP	21.49.13		1.5°	
	4	ANT	eP	22.33.56			Leeward Islands. Aftershock
		ST. KIT	eP	22.34.05			
	5	ANT	iP	01.08.10		1.1°	Leeward Islands. Aftershock
			iS	01.08.21			
		ST. KIT	iP	01.08.18		1.7°	
	5	ANT	eP	09.54.(48)			Leeward Islands. Aftershock
		ST.KIT	eP	09.54.(57)			
	5	ANT	eP	19.02.37			Leeward Islands. Aftershock
		ST. KIT	eP	19.02.46			
	5	ANT	iP	20.23.58		0.6°	
			iS	20.24.04			
		ST. KIT	iP	20.24.10		1.5°	

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUNE 5	TRIN	iP	23.40.07	c	1.47°	H: 23.39.47
		iS	23.40.19			E: 10.7°N 62.9°W
	GREN	iP	23.40.11	c	1.76°	
		iS	23.40.29			
	ST. VIN	iP	23.40.28	c	2.95°	
		iS	23.40.57			
6	ST. KIT	e	01.27.42		58.0°	Felt: Humboldt, Del Norge counties California
	ANT	eP	01.27.49		58.8°	USCGS Gives H: 01.17.48
	DOM	eP	01.28.04		59.9°	E: 41°N 125°W
	ST. VIN	eP	01.28.11		61.2°	
	GREN	eP	01.28.12		61.9°	
	TRIN	eP	01.28.19		62.0°	
6	TRIN	eP	06.05.35		57.3°	USCGS Gives H: 05.55.44
		L	06.27.			E: 45½°S 73½°W
	GREN	eP	06.05.40		58.2°	
		i	06.05.47			
		i	06.09.11			
	ST. VIN	eP	06.05.53		59.7°	
	DOM	eP	06.06.12		61.8°	
	ST. KIT	eP	06.06.12		63.1°	
	BARB	e	06.06.13		59.8°	
6	TRIN	eP	10.09.06			
	GREN	eP	10.09.27			
6	ST. KIT	iP	11.09.09	d		
7	TRIN	eP	05.31.50		52.3°	USCGS Gives H: 05.22.34
	GREN	eP	05.31.57		53.7°	E: 40½°S 72°W
8	ANT	eP	02.06.13			Leeward Islands. Aftershock
	ST. KIT	eP	02.06.(21)			
8	TRIN	iP	04.07.57			
8	GREN	eP	06.08.01			
8	GREN	iP	10.41.12		1.0°	
		iS	10.41.22			
8	DOM	iP	16.26.09	d	30.8°	USCGS Gives H: 16.19.48
	TRIN	eP	16.26.37		34.4°	E: 35°N 35°W
8	TRIN	eP	21.51.35			
		iS	21.51.37			
	GREN	eP	21.51.37			
		i	21.51.40			
	ST. VIN	eP	21.51.49			
	BARB	e	21.51.(58)			Very Small
	ST. KIT	eP	21.52.03			Small
	ANT	eP	21.52.08			
		i	21.52.12			
9	ANT	iP	20.11.10	d	1.0°	Leeward Islands. Aftershock
		iS	20.11.21			
	ST. KIT	iP	20.11.19		1.7°	
10	ANT	iP	00.14.02	d	1.0°	Leeward Islands. Aftershock
		iS	00.14.12			
	ST. KIT	iP	00.14.10		1.6°	

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	ISTANCE	
JUNE	10 ANT	eP	00.51.51			Very Small
	10 ANT	iP	01.27.32	d	0.6°	
		iS	01.27.37			
	ST. KIT	iP	01.27.46		1.6°	
		iS	01.27.57			
	10 GREN	iP	17.21.36		2.2°	
	ST. VIN	iP	17.21.52	d	3.3°	
		iS	17.22.24			
	10 ANT	eP	22.33.07			
	10 ANT	iP	23.15.14		0.5°	
		iS	23.15.19			
	11 GREN	eP	00.41.04		33.1°	USCGS Gives H: 00.34.48
	ST. VIN	eP	00.41.13		34.3°	E: 21°S 64½°W
	DOM	eP	00.41.31		36.2°	Depth: About 300 km
	ANT	eP	00.41.44		38.0°	
	ST. KIT	eP	00.41.47		38.2°	
	11 ANT	eP	15.15.50			
		i	15.16.01			
	11 ST. KIT	eP'	15.33.47		145.0°	USCGS Gives H: 15.14.07
						E: 9°S 152½°E
	GREN	eP'	15.33.51		146.0°	
	DOM	eP'	15.33.51		146.3°	
	ST. VIN	eP'	15.33.53		146.5°	
	11 ST. KIT	eP'	16.57.22		145.0°	USCGS Gives H: 16.37.40
	ANT	iP'	16.57.22		145.8°	E: 9½°S 152½°E
	GREN	eP'	16.57.23		146.1°	
	DOM	eP'	16.57.25		146.4°	
	ST. VIN	eP'	16.57.25		146.7°	
	BARB	eP'	16.58.35		148.2°	
	11 ANT	iP	17.27.34			USCGS Gives H: 17.07.52
	DOM	e	17.27.44			E: Entrecasteau Is.
	11 ANT	iP	18.14.14			
	11 ANT	iP	22.13.16			Leeward Islands. Aftershock
	ST. KIT	iP	22.13.23			
	12 ANT	iP	01.59.13	d	0.8°	
		iS	01.59.21			
	ST. KIT	iP	01.59.22		1.5°	
	12 ANT	iP	02.39.49	d		Leeward Islands. Aftershock
	ST. KIT	iP	02.39.58	d		
	12 GREN	iP	04.51.59			
	12 ST. KIT	eP	07.30.14		63.0°	USCGS Gives H: 07.19.43
						E: 36°S 98°W
	12 ST. VIN	eP	12.23.12			
	13 GREN	eP	05.57.03		58.0°	USCGS Gives H: 05.47.05
						E: 44½°S 76½°W
	13 GREN	iP	09.01.13	c	1.7°	
		iS	09.01.29			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUNE 13	DOM	iP	23.49.51	c		
14	GREN	eP	03.03.55		56.0°	USCGS Gives H: 02.54.13 E: 43° S 73° W
14	DOM	iP	06.15.42		0.48°	H: 06.15.35
		iS	06.15.51			E: 15.8° N 61.4° W
	ST. KIT	eP	06.16.04		2.04°	
	ST. VIN	iP	06.16.12		2.62°	
14	DOM	iP	19.44.38	c	1.1°	
		iS	19.44.48			
14	DOM	eP'	23.57.55		146.3°	USCGS Gives H: 23.38.13 E: 9° S 152½° E
	TRIN	eP'	23.57.(55)		146.8°	
	ST. VIN	eP'	23.57.57		146.5°	
15	ST. VIN	eP	11.30.24		2.2°	
		iS	11.30.46			
15	TRIN	eP	12.19.51			Small
16	ST. KIT	iP	06.31.01			
16	GREN	iP	10.52.54	c	1.7°	
		iS	10.53.11			
	ST. VIN	eP	10.53.09		2.9°	
		i	10.53.13			
18	TRIN	eP'	03.38.51		146.7°	USCGS Gives H: 03.19.04. E: 9½° S 152½° E
18	ST. VIN	iP	20.45.55	d	2.53°	H: 20.45.21 E: 12.2° N 59.8° W Depth: About 200 km.
		iS	20.46.21			
	GREN	iP	20.45.56	c	2.63°	
		iS	20.46.23			
	TRIN	iP	20.46.00	c	2.83°	
		iS	20.46.26			
18	GREN	eP	21.20.02		5.94°	H: 21.18.42 E: 11.0° N 67.7° W
		iS	21.21.02			
	TRIN	eP	21.20.06		6.22°	
		eS	21.21.11			
	ST. VIN	iP	21.20.12	c	6.68°	
		iS	21.21.20			
18	DOM	iP	21.26.34	c		
19	ST. VIN	iP	00.24.26		1.5°	
		iS	00.24.42			
	GREN	iP	00.24.31	c	1.9°	
		iS	00.24.50			
19	ST. KIT	eP	23.04.16		1.3°	
		iS	23.04.28			
20	TRIN	eP	02.10.(06)		49.8°	USCGS Gives H: 02.01.08 E: 38° S 73½° W
	GREN	eP	02.10.16		50.9°	
	ST. VIN	eP	02.10.22		52.3°	
	BARB	eP	02.10.(31)		52.3°	
	DOM	eP	02.10.44		54.3°	
	ST. KIT	eP	02.10.51		55.8°	
20	ST. VIN	iP	12.41.40	d		
	BARB	e	12.41.(50)			Very Small

DATE 1960	STATION	PHASE	TIME G.M.T	MOTION	DISTANCE	
JUNE 20	GREN	eP	13.08.54		52.7°	USCGS Gives H: 12.59.40 E: 39½°S 73°W
	ST. VIN	eP	13.09.02		54.0°	
	BARB	e	13.09.(20)		54.0°	
	DOM	eP	13.09.17		55.8°	
21	ST. KIT	iP	17.06.39			
	ANT	iP	17.06.49	c		
		i	17.07.18			
		i	17.07.21			
21	ANT	eP	23.51.10			
22	GREN	eP	06.48.25			USCGS Gives H: 06.40.10 E: Near Coast of Chile.
23	ANT	iP	05.50.30	d	1.3°	
		iS	05.50.43			
	DOM	eP	05.51.01		3.6°	
23	ANT	iP	10.44.43	c	1.0°	
		iS	10.44.53			
	DOM	eP	10.44.56		1.9°	
		iS	10.45.16			
24	ANT	iP	23.12.23		0.6°	
		iS	23.12.29			
25	ANT	iP	02.38.15	c	01.1°	
		iS	02.38.26			
25	DOM	iP	04.47.32	c	1.11°	H: 04.47.13 E: 14.9°N 61.0°W Depth: About 110 km
	ST. VIN	iP	04.47.44	d	2.03°	
		iS	04.48.07			
	BARB	eP	04.47.52		2.53°	
		i	04.48.13			
		iS	04.48.18			
	ANT	iP	04.47.52	c	2.56°	
		iS	04.48.20			
	GREN	eP	04.47.59		3.12°	
		i	04.48.37			
	TRIN	eP	04.48.(20)		4.41°	
25	TRIN	iP	06.02.(33)		1.5°	
		iS	06.02.(48)			
25	TRIN	eP	13.56.(47)		11.8°	USCGS Gives H: 13.53.37 E: 6½°N 72½°W
		i	13.56.(56)			
	GREN	eP	13.56.47		11.9°	
		i	13.56.52			
	ST. VIN	eP	13.56.59		13.0°	
		i	13.57.05			
	DOM	eP	13.57.11		14.1°	
		i	13.57.22			
	ANT	iP	13.57.24	d	14.8°	
	BARB	eP	13.57.(25)		14.0°	
		i	13.57.27			
25	TRIN	iP	17.37.(02)	c		
26	DOM	iP	05.22.(20)	c		
	ANT	iP	05.22.33	c		
27	ANT	iP	00.24.02	c		

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUNE 29	GREN	eP	02.06.57			USCGS Gives H: 01.57.14 E: Southern Chile.
	ANT	e	02.07.(28)		Small	
29	DOM	iP	05.13.35	c	1.22°	H: 05.13.18 E: 14.8°N 60.3°W Depth: 40 km
		iS	05.13.49			
	ST. VIN	iP	05.13.44	d	1.91°	
		iS	05.14.04			
	BARB	eP	05.13.47		1.86°	
		e	05.14.29			
	ANT	iP	05.13.57	c	2.80°	
		iS	05.14.29			
	GREN	iP	05.14.02	c	3.11°	
		iS	05.14.37			
30	ANT	iP	09.07.18	c		
30	TRIN	eP	20.10.(44)		81.3°	USCGS Gives H: 19.58.33 E: 60°N 151°W

EARTHQUAKE EPICENTRES

APR – JUNE 1960

66° 64° 62° 60° 58° 18° 16° 14° 12° 10°

PORTO RICO
CRAB
VIRGIN IS.
ST. CROIX
ANGUILLA
ST. MARTIN
ST. BARTHOLOMEW
SABA
ST. EUSTATIUS
ST. KITTS
NEVIS
BARBUDA
ANTIGUA
MONTSERRAT
GUADELOUPE
MARIE GALANTE
AVES
DOMINICA
MARTINIQUE
ST. LUCIA
ST. VINCENT
BARBADOS
GRENADA
BLANQUILLA
TESTIGO GRANDE
MARGARITA
TORTUGA
CUBAGUA
COCHE
TOBAGO
TRINIDAD
VENEZUELA

* 31.5.60
* 1.6.60
18.5.60
* 2.6.60
* 9.5.60
* 14.6.60
19.5.60
* 3.5.60
5.4.60
10.4.60*
25.6.60
* 28.5.60
* 29.6.60
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UNIVERSITY COLLEGE OF THE WEST INDIES

SEISMIC RESEARCH UNIT

Regional Research Centre,

I. C. T. A.

Trinidad, West Indies.

Preliminary Seismological Bulletin.

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1960						
JUL 1	TRIN	iP	10.16.57	c	1.36°	H: 10.16.38
		iS	10.17.09			E: 10.8°N 62.4°W
	GREN	eP	10.17.00		1.72°	Depth: 100 km
		iP	10.17.02			
		iS	10.17.17			
	ST. VIN	iP	10.17.18		2.82°	
2	TRIN	eP	08.16.59			
2	TRIN	eP	12.07.09		72.8°	USCGS Gives H: 11.55.41
	GREN	eP	12.07.15		74.0°	E: 56°S 27°W
	ST. VIN	eP	12.07.29		74.9°	Very Small
	DOM	eP	12.07.(30)		76.9°	
2	TRIN	eP	12.43.16			
		i	12.43.21			
3	TRIN	eP	20.34.22		97.3°	USCGS Gives H: 20.20.46
						E: 50½°N 177°W
3	TRIN	eP	20.57.31			
4	DOM	eP	04.39.22		66.0°	USCGS Gives H: 04.28.33
	ST. VIN	eP	04.39.34		67.8°	E: 52°N 131½°W
	TRIN	eP	04.39.42		66.9°	
4	DOM	iP	18.23.42		2.75°	H: 18.23.04
		iS	18.24.00			E: 17.8°N 60.3°W
	ST. VIN	iP	18.24.10		4.73°	
		iS	18.24.53			
	BARB	eP	18.24.13		4.73°	
	GREN	iP	18.24.25		5.94°	
	TRIN	iP	18.24.46		7.24°	
		iS	18.25.56			
4	DOM	iP	19.29.26		1.72°	H: 19.29.01
		iS	19.29.45			E: 17.0°N 61.8°W
	ST. KIT	iP	19.29.(33)		1.07°	
	ST. VIN	iP	19.29.55		3.83°	
		iS	19.30.37			
	BARB	eP	19.30.(05)		4.42°	
	GREN	eP	19.30.10		4.91°	
	TRIN	eP	19.30.33		6.32°	
		eS	19.31.42			
4	GREN	eP	21.39.02			
5	GREN	iP	05.54.36			
5	TRIN	eP	21.19.18		19.2°	USCGS Gives H: 21.15.09
		e	21.22.50			E: 8°S 71½°W
	GREN	eP	21.19.27		22.2°	Depth: About 600 km
		e	21.22.54			
	ST. VIN	eP	21.19.37		24.0°	
	BARB	eP	21.19.49		24.3°	
		e	21.23.21			
6	ST. KIT	iP	03.06.(27)			
	DOM	eP	03.06.(47)			
		i	03.07.(23)			
	GREN	eP	03.07.31			
	TRIN	eP	03.07.49			

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10° 39.0' N	LONG.	61° 24.1' W	27m.
GRENADA	(GREN)	LAT.	12° 02.7' N	LONG.	61° 44.1' W	30m.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	LONG.	61° 15.5' W	10m.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	LONG.	61° 00.5' W	30m.
BARBADOS	(BARB)	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	(ANT)	LAT.	17° 08.6' N	LONG.	61° 50.1' W	27m.
ST. KITTS	(ST. KIT)	LAT.	17° 20.3' N	LONG.	62° 43.7' W	

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and $\frac{1}{4}$ 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 temproary 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.

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUL 7	DOM	iP	04.29.(30)			
7	GREN	eP	17.46.53			
7	TRIN	iP	22.33.20	c	1.60°	
		iS	22.33.32			
	GREN	iP	22.33.22	c	1.70°	
		iS	22.33.39			
11	GREN	iP	10.15.02	d	1.30°	
		iS	10.15.15			
11	TRIN	eP	23.19.30		0.60°	
		iS	23.19.36			
	GREN	eP	23.19.45		1.80°	
		iS	23.20.03			
12	TRIN	iP	05.26.18	d	0.50°	
		iS	05.26.23			
13	TRIN	eP	07.36.14			
	GREN	eP	07.36.26			
13	TRIN	iP	17.02.44	c	0.80°	
		iS	17.02.52			
	GREN	eP	17.02.52		1.50°	
		iS	17.03.07			
13	TRIN	iP	21.50.08	d	0.55°	H: 21.50.00
	GREN	iP	21.50.18	d	1.25°	E: 11.0°N 61.0°W
	BARB	eP	21.50.38		2.50°	
14	TRIN	eP'	10.47.05		161.8°	Small USCGS Gives H: 10.26.58 E: 5°N 127½°E
16	TRIN	iP	11.05.52	c	1.30°	
		iS	11.06.05			
	GREN	iP	11.05.59	d	1.80°	
		iS	11.06.17			
17	TRIN	eP	07.24.52		0.80°	
		iS	07.24.59			
17	TRIN	iP	11.50.39	c	0.77°	Felt: Trinidad. Intensity II
	GREN	iP	11.50.41		0.86°	H: 11.50.28
	ST. VIN	iP	11.50.57	d	2.07°	E: 11.2°N 61.9°W
	BARB	eP	11.51.14		2.99°	
17	TRIN	iP	12.16.36	c	1.18°	Felt: Trinidad. Intensity II
		iS	12.16.48			H: 12.16.19
	GREN	iP	12.16.37		1.29°	E: 11.0°N 62.5°W
	ST. VIN	iP	12.16.54	c	2.48°	
17	TRIN	e	23.55.42			Small
	ST. VIN	eP	23.56.15			
18	TRIN	e	01.13.50.			Very Small
18	TRIN	iP	01.25.39	c	1.30°	
		iS	01.25.52			
	GREN	iP	01.26.00		2.67°	
18	TRIN	e	01.35.14			Very Small

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUL 18	ST. KIT	eP'	02.02.(50)		145.0°	Felt: New Britain Region
	GREN	eP'	02.02.50		146.3°	USCGS Gives H: 01.43.29
	ST. VIN	eP'	02.02.52		146.8°	E: 4½°S 151°E
		i	02.03.16			Depth: About 200 km
	TRIN	eP'	02.02.54		147.0°	
		e	02.06.34			
	DOM	eP'	02.02.(57)		146.5°	
	BARB	eP'	02.03.07		148.5°	
18	TRIN	iP	03.03.21	c	1.30°	
		iS	03.03.34			
	GREN	iP	03.03.24		1.50°	
		iS	03.03.39			
18	TRIN	iP	06.12.41	c	1.30°	
		iS	06.12.53			
	GREN	iP	06.12.44	d	1.60°	
		iS	06.13.00			
19	TRIN	eP	04.24.48		25.5°	USCGS Gives H: 04.19.14
	GREN	eP	04.24.53		26.4°	E: 7°S 80°W
20	ST. KIT	e	21.18.19			
	TRIN	eP	21.18.20			Small
20	GREN	eP	21.47.30			USCGS Gives H: 21.38.20
						E: Southern Chile
21	TRIN	iP	01.06.35	c	1.24°	H: 01.06.18
		iS	01.06.48			E:9.9°N 61.7°W
	GREN	iP	01.06.52	c	2.37°	Depth: 100 km
	ST. VIN	iP	01.07.07	d	3.47°	
	DOM	eP	01.07.36		5.53°	
		iS	01.08.34			
	ST. KIT	eP	01.08.(03)		7.60°	
21	TRIN	iP	04.17.53	c	1.10°	
		iS	04.18.05			
	GREN	eP	04.18.05		1.70°	
		iS	04.18.22			
21	TRIN	iP	14.45.48	c	1.13°	H: 14.45.32
	GREN	iP	14.45.50		1.26°	E: 11.1°N 62.2°W
	ST. VIN	iP	14.46.06	d	2.39°	Depth: About 75 km
		iS	14.46.32			
	BARB	eP	14.46.22		3.36°	
	DOM	eP	14.46.34		4.35°	
		iS	14.47.20			
21	GREN	eP	17.01.44			
22	TRIN	iP	02.12.42	c	1.20°	
		iS	02.12.54			
	GREN	iP	02.12.45		1.60°	
		iS	02.13.00			
22	GREN	iP	10.10.46		1.05°	H: 10.10.31
	TRIN	iP	10.10.52	c	1.50°	E: 11.7°N 61.8°W
		iS	10.11.06			Depth; About 110 km
	ST. VIN	iP	10.10.57	d	1.86°	
		iS	10.11.17			
	BARB	eP	10.11.10		2.79°	
	DOM	eP	10.11.25		3.82°	

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUL	22	TRIN	eP	22.51.12		1.48°	H: 22.50.51
			iS	22.51.26			E: 10.7° N 62.9° W
		GREN	iP	22.51.16	d	1.80°	
			iS	22.51.36			
		ST. VIN	eP	22.51.33		2.98°	
	24	BARB	iP	05.20.12	d		
	24	TRIN	iP	21.12.57	c	1.20°	
			iS	21.13.08			
		GREN	iP	21.13.00		1.60°	
			iS	21.13.17			
	24	DOM	eP	21.56.(35)			
		ST. VIN	eP	21.57.04			
	25	TRIN	e	11.15.(32)			Small
	27	TRIN	eP	10.14.39		56.8°	Small
		DOM	eP	10.15.(10)		61.3°	USCGS Gives H: 10.04.53 E: 44.7° S 75.1° W Depth: About 75km
	29	TRIN	eP'	00.43.20		129.6°	Small USCGS Gives H: 00.24.06 E: 19½° S 170½° E
	29	TRIN	eP	03.55.33		1.25°	H: 03.55.15
		GREN	eP	03.55.46		2.20°	E: 10.0° N 62.4° W
			iS	03.56.09			Depth: About 25 km
		ST. VIN	eP	03.56.04		3.43°	
	29	TRIN	eP	09.32.14			
			e	09.34.18			
		GREN	eP	09.32.17			
		ST. VIN	eP	09.32.29			
	29	TRIN	eP	10.07.01			Very Small
			e	10.09.06			Very Small
		ST. VIN	eP	10.07.16			
	30	TRIN	eP	02.09.36		21.1°	Very Small Felt: Ambato, Guayaquil and Riobamba Ecuador. 1 killed and minor property damage in Ambato area. USCGS Gives H: 02.04.49 E: 1.4° S 79.1° W Depth: About 21 km
	31	ST. KIT	eP'	03.15.23		146.3°	USCGS Gives H: 02.55.46 E: 5.6° S 150.0° E Depth: About 25 km
		DOM	eP'	03.15.(29)		147.5°	
		ST. VIN	eP'	03.15.30		148.2°	
			i	03.15.35			
		TRIN	eP'	03.15.31		148.5°	
			i	03.15.38			
		BARB	eP'	03.15.37		150.0°	
	31	ST. VIN	eP	06.33.24		1.8°	
			iS	06.33.42			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUL 31	ST. KIT	eP'	07.24.12		146.4°	Felt: New Britain Island. USCGS Gives H: 07.04.37 E: 6.0°S 150.0°E Depth: About 93 km
	DOM	eP'	07.24.(12)		147.6°	Very Small
	ST. VIN	eP'	07.24.18		148.3°	
	TRIN	eP'	07.24.18		148.9°	Very Small
31	ST. VIN	iP	12.57.56	d		
	DOM	iP	12.58.23	d		

UNIVERSITY COLLEGE OF THE WEST INDIES

SEISMIC RESEARCH UNIT

Regional Research Centre,

I. C. T. A.

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DATE 1960		STATION	PHASE	TIME G.M.T.		MOTION	DISTANCE	
AUG	1	ST. KIT	eP	04.30.(18)				
		DOM	eP	04.30.(32)				
	1	TRIN	eP'	16.48.32			146.2°	Felt: Rabaul, New Britain USCGS Gives H: 16.28.55 E: 4.8°S 152.6°E Depth: About 77 km
	2	TRIN	eP'	05.26.21			128.0°	USCGS Gives H: 05.07.22 E: 22.2°S 171.5°E Depth: About 108 km
	2	TRIN	iP	12.09.22	c		1.4°	
			iS	12.09.36				
	2	TRIN	eP	21.02.57			76.6°	USCGS Gives H: 20.51.04 E: 84.2°N 2.3°E Depth: About 40 km
	4	TRIN	eP	02.44.(25)				Very Small
	4	TRIN	eP	03.08.(19)				Very Small
	7	TRIN	iP	22.53.17	c		1.4°	
			iS	22.53.31				
	7	TRIN	eP	23.24.57				
			e	23.27.03				
	8	TRIN	iP	00.59.56	c		0.9°	
			iS	01.00.06				
	9	TRIN	iP	00.07.00	d		1.34°	H: 00.06.41 E: 11.0°N 62.3°W Depth: About 100 km
			iS	00.07.11				
		GREN	iP	00.07.02			1.47°	
			iS	00.07.11				
		ST. VIN	eP	00.07.16			2.53°	
			iS	00.07.42				
	9	TRIN	iP	02.42.01	d		0.99°	H: 02.41.47 E: 11.2°N 60.7°W Depth: About 50 km
			iS	02.42.12				
		GREN	eP	02 42.07			1.47°	
		ST. VIN	eP	02.42.17			2.16°	
			eS	02.42.38				
	9	TRIN	eP	04.14.(25)			1.76°	H: 04.14.00 E: 10.5°N 59.7°W
		GREN	eP	04.14.37			2.60°	
		ST. VIN	eP	04.14.45			3.14°	
		DOM	eP	04.15.12			5.12°	
	9	TRIN	eP	04.31.03			1.1°	
			iS	04.31.14				
	9	TRIN	eP	06.16.(43)			33.3°	Very Small USCGS Gives H: 06.10.11 E: 21.2°S 71.6°W Depth; About 104 km
	9	DOM	eP	07.49.57			61.3°	Felt: Eureka, California USCGS Gives H: 07.39.23 E: 40.0°N 126.6°W Depth: About 25 km
		GREN	eP	07.49.(58)			63.0°	Small
		TRIN	eP	07.50.(00)			64.3°	Small
	9	TRIN	iP	10.34.27	c		1.2°	
			iS	10.34.39				
		GREN	eP	10.34.32			1.6°	
			iS	10.34.47				

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10°	39.0'	N	LONG.	61° 24.1'	W 27m.
GRENADA	(GREN)	LAT.	12°	02.7'	N	LONG.	61° 44.1'	W 30m.
ST. VINCENT	(ST. VIN)	LAT.	13°	10.2'	N	LONG.	61° 15.5'	W 10m.
ST. LUCIA	(ST. LUC)	LAT.	14°	01.7'	N	LONG.	61° 00.5'	W 30m.
BARBADOS	(BARB)	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	(ANT)	LAT.	17°	08.6'	N	LONG.	61° 50.1'	W 27m.
ST. KITTS	(ST. KIT)	LAT.	17°	20.3'	N	LONG.	62° 43.7'	W

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and $\frac{1}{4}$ 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 temproary 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.

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
AUG	9	TRIN	iP	11.29.03		0.4°	
			iS	11.29.07			
	10	TRIN	eP	12.43.(38)		21.8°	USCGS Gives H: 12.38.48
		GREN	eP	12.43.39		21.7°	E: 8.9°N 83.5°W
							Depth: About 25 km
	11	ANT	eP	01.29.57			
	11	TRIN	eP'	03.13.24		167.9°	Small
							USCGS Gives H: 02.53.16
							E: 0.0° 121.6°E
							Depth: About 46 km
			e	03.13.37			Small
			eP'2	03.14.25			Small
	11	ST. KIT	eP'	05.10.(06)		152.8°	USCGS Gives H: 04.50.34
		ANT	eP'	05.10.19		153.0°	E: 8.8°N 126.1°E
		ST. VIN	eP'	05.10.23		156.7°	Depth: About 79 km
		TRIN	eP'	05.10.28		159.4°	
			e	05.11.03			
	11	TRIN	eP	05.52.21			Very Small
		GREN	eP	05.52.29			
	11	ANT	iP	11.45.13		0.4°	
			iS	11.45.18			
	11	ANT	iP	22.49.10		1.3°	
			iS	22.49.23			
	12	ANT	iP	13.00.02			
	13	TRIN	iP	06.15.00	c	1.26°	H: 06.14.42
			iS	06.15.12			E: 10.6°N 62.7°W
		GREN	iP	06.15.06	c	1.73°	
		ST. VIN	iP	06.15.23		2.93°	
			iS	06.15.54			
	13	TRIN	eP'	07.30.01		124.5°	Small
							USCGS Gives H: 07.11.06
							E: 40.6°N 142.0°E
							Depth: About 60 km
	13	TRIN	eP	11.43.03			
		GREN	eP	11.43.17			
	13	TRIN	eP	14.24.03		51.7°	USCGS Gives H: 14.14.58
			e	14.25.17			E: 39.7°S 74.8°W
		GREN	eP	14.24.12		52.8°	Depth: About 61 km
		ST. VIN	eP	14.24.(21)		54.2°	
		BARB	eP	14.24.28		54.4°	
		DOM	eP	14.24.(34)		56.4°	
		ANT	e(P)	14.25.04		57.9°	
	13	GREN	eP	14.38.10			Small
	13	ANT	iP	21.31.54		1.2°	
			iS	21.32.06			
	14	TRIN	iP	05.44.59	d	0.6°	
			iS	05.45.04			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
AUG 14	TRIN	iP	09.20.30		1.4°	
		iS	09.20.44			
	GREN	iP	09.20.31		1.6°	
		iS	09.20.46			
14	TRIN	eP	22.52.37		34.5°	Small
	GREN	eP	22.52.48		35.7°	USCGS Gives H: 22.46.08
	ANT	eP	22.53.27		40.5°	E: 23.5°S 66.4°W
						Depth: About 245 km
15	TRIN	eP	23.20.02		1.42°	H: 23.19.42
		i	23.20.09			E: 11.1°N 60.1°W
	GREN	eP	23.20.09		1.89°	
	ST. VIN	eP	23.20.16		2.36	
16	TRIN	eP	02.53.07		28.7°	Small
	GREN	eP	02.53.17		30.2°	USCGS Gives H: 02.47.19
	ST. VIN	eP	02.53.27		31.8°	E: 16.5°S 71.5°W
						Depth: About 113 km
16	TRIN	eP'	08.33.25		156.0°	Very Small
						USCGS Gives H: 08.13.31
						E: 6.2°S 147.2°E
						Depth: About 30 km
16	TRIN	iP	11.17.16		0.8°	
	GREN	iP	11.17.31	d	1.9°	
		iS	11.17.50			
16	TRIN	iP	13.06.04	c	1.5°	
		iS	13.06.19			
	GREN	iP	13.06.06	c	1.7°	
		iS	13.06.23			
16	ST. KIT	iP	20.41.(56)	c	0.7°	
	ANT	iP	20.42.02		1.2°	
		iS	20.42.14			
16	GREN	eP	22.54.29			
	TRIN	eP	22.54.30			
		e	22.56.48			
	ST. VIN	eP	22.54.37			
	BARB	eP	22.55.02			
17	ST. KIT	eP	18.54.(58)			
18	GREN	eP	23.20.54			Small
18	ANT	iP	23.34.08		0.23°	H: 23.34.06
	ST. KIT	iP	23.34.(18)		0.79°	E: 17.4°N 61.9°W
	ST. VIN	eP	23.35.06		4.23°	
	TRIN	eP	23.35.43		6.72°	Small
19	ANT	iP	03.14.03	c	0.4°	
		iS	03.14.07			
19	TRIN	eP	16.33.45			
	GREN	e	16.34.00			
20	TRIN	eP	00.52.11			Small
20	TRIN	eP	01.46.35		1.40°	H: 01.46.16
		iS	01.46.49			E: 11.1°N 60.7°W
	GREN	eP	01.46.41		1.84°	Depth: About 125 km
	ST. VIN	eP	01.46.50		2.48°	
		iS	01.47.20			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
AUG 20	TRIN	iP	03.42.03	c	1.3°	
		iS	03.42.15			
	GREN	iP	03.42.06		1.5°	
		iS	03.42.21			
21	ANT	eP'	00.37.50		152.0°	USCGS Gives H: 00.18.02
		i	00.37.56			E: 4.3° S 143.3° E
		i	00.38.21			Depth: About 39 km
	ST. VIN	eP'	00.37.52		154.0°	
	ST. KIT	eP'	00.37.(53)		151.4°	
	GREN	eP'	00.37.(58)		154.1°	
	TRIN	eP'	00.37.54		154.8°	
21	ANT	eP'	01.18.52		147.2°	USCGS Gives H: 00.59.25
	GREN	eP'	01.18.(54)		148.5°	E: 5.5° S 149.5° E
	ST. VIN	eP'	01.18.56		148.3°	Depth: About 177 km
	TRIN	eP'	01.18.58		148.8°	
21	GREN	eP	04.00.15		0.95°	H: 04.00.01
	TRIN	eP	04.00.16		1.04°	E: 11.6° N 60.9° W
	ST. VIN	eP	04.00.24		1.64°	
21	ST. VIN	eP	16.54.45			
21	TRIN	iP	16.59.01	d		
22	ANT	iP	07.49.37		0.23°	H: 07.49.33
	ST. KIT	iP	07.49.(46)		0.79°	E: 17.4° N 61.9° W
	ST. VIN	eP	07.50.33		4.23°	
	GREN	eP	07.50.48		5.30	
	TRIN	eP	07.51.09		6.72°	
24	TRIN	eP	01.34.12			
24	TRIN	eP'	04.46.39		148.2°	USCGS Gives H: 04.26.55
						E: 6.2° S 150.4° E
						Depth: About 66 km
24	TRIN	eP	21.25.57			
25	TRIN	eP	02.06.04			
25	ST. VIN	eP	21.31.27		1.9°	
		iS	21.31.45			
	GREN	e	21.32.(16)			
26	ANT	iP	08.43.52		0.7°	
		iS	08.44.00			
27	ST. VIN	eP	14.58.19		2.2°	
		iS	14.58.41			
28	TRIN	iP	01.19.14	c	0.6°	
		iS	01.19.20			
28	TRIN	eP	06.10.09		22.2°	Small
	ST. VIN	eP	06.10.21		22.5°	USCGS Gives H: 06.05.23
						E: 3.7° N 82.8° W
						Depth: About 108 km
29	TRIN	eP	12.06.(47)			
30	ST. VIN	eP	07.41.05		2.2°	
		iS	07.41.28			
	TRIN	eP	07.41.45		5.2°	
30	ST. VIN	eP	10.22.52			
		e	10.23.59			

UNIVERSITY COLLEGE OF THE WEST INDIES

SEISMIC RESEARCH UNIT

Regional Research Centre,

Trinidad, West Indies.

SEP 1960

Preliminary Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10° 39.0' N	LONG.	61° 24.1' W	27m.
GRENADA	(GREN)	LAT.	12° 02.7' N	LONG.	61° 44.1' W	30m.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	LONG.	61° 15.5' W	10m.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	LONG.	61° 00.5' W	30m.
BARBADOS	(BARB)	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	(ANT)	LAT.	17° 08.6' N	LONG.	61° 50.1' W	27m.
ST. KITTS	(ST. KIT)	LAT.	17° 20.3' N	LONG.	62° 43.7' W	

EQUIPMENT

Trinidad is equipped with three components of Willmore Watts 1 second period seismometers and $\frac{1}{4}$ 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 1960		STATION	PHASE	TIME G.M.T.		MOTION	DISTANCE	
SEPT	1	BARB	eP	08.29.19			1.16°	
		ST. VIN	eP	08.29.23			1.63°	
		TRIN	eP	08.29.27			1.94°	
	2	TRIN	eP'	11.11.22			132.5°	Felt: Santo, New Hebrides Is.
			i	11.11.24				USCGS Gives H: 10.52.18
		ST. VIN	eP'	11.11.33			133.0°	E: 15.2°S 167.4°E
		BARB	eP'	11.11.52			134.3°	Depth: About 163 km
		ANT	eP'	11.11.55			133.2°	Small
	2	TRIN	iP	18.04.10			1.5°	
			iS	18.04.25				
		ST. VIN	eP	18.04.32			3.4°	
			eS	18.05.07				
	2	ANT	eP	22.15.38			88.2°	USCGS Gives H: 22.02.49
		TRIN	eP	22.16.14			93.9°	E: 52.0°N 171.4°W
								Depth: About 49 km
	3	TRIN	eP	03.15.15			1.0°	
			iS	03.15.25				
	3	ANT	iP'	13.00.17			142.9°	Felt: Karoola and Rabaul.
		ST. VIN	iP'	13.00.20			144.1°	USCGS Gives H: 12.41.34
		TRIN	iP'	13.00.21			144.2°	E: 6.1°S 154.5°E
		BARB	iP'	13.00.29			145.5°	Depth: About 457 km
	3	TRIN	iP	22.02.(05)			1.1°	
		ST. VIN	eP	22.02.22			2.4°	
			eS	22.02.47				
	3	ST. VIN	iP	22.09.55		c	1.76°	H: 22.09.30
			iS	22.10.14				E: 14.2°N 60.8°W
		BARB	eP	22.10.03			2.13°	Depth: About 150 km
			e	22.11.43				
		ANT	iP	22.10.17		c	3.37°	
			iS	22.10.50				
		TRIN	eP	22.10.(28)			3.85°	
			iS	22.11.(09)				
	6	TRIN	eP'	14.22.08			130.5°	USCGS Gives H: 14.03.02
								E: 20.4°S 169.4°E
								Depth: About 35 km
	6	ST. VIN	e	14.26.(46)				
		TRIN	eP	14.27.35				
	6	ST. VIN	eP	15.00.35			1.6°	
			iS	15.00.52				
	6	TRIN	iP	20.43.08			0.8°	
			iS	20.43.16				
	6	TRIN	iP	21.55.45		c	1.2°	
			iS	21.55.58				
		ST. VIN	eP	21.56.06			3.0°	
			iS	21.56.37				
	7	TRIN	eP	01.28.15			65.9°	Small
		ST. VIN	eP	01.28.27			66.0°	USCGS Gives H: 01.17.39
								E: 37.2°S 16.1°W
								Depth: About 25 km

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1960						
SEPT. 7	TRIN	iP	19.09.26		1.4°	
		iS	19.09.40			
	ST. VIN	eP	19.09.33		2.4°	
		eS	19.09.58			
8	TRIN	eP'	11.27.42		161.8°	Small
		eP'_2	11.28.25			USCGS Gives H: 11.07.41 E: 6.2°N 126.2°E
	ST. VIN	eP'_2	11.28.16		159.4°	Depth: About 47 km
10	GREN	eP'	11.03.40		163.8°	Small
		e	11.04.31			USCGS Gives H: 10.44.51 E: 4.0°N 122.6°E Depth: About 629 km
	TRIN	eP'	11.03.52		164.8°	Small
		e	11.04.51			
	ST. VIN	e	11.04.40		162.3°	
11	TRIN	eP	04.15.28		2.0°	
		iS	04.15.48			
	GREN	eP	04.15.33		2.5°	
		iS	04.15.59			
11	BARB	iP	10.32.44	d		
14	DOM	eP'	00.53.51		147.7°	USCGS Gives H: 00.34.25 E: 16.9°N 122.3°E Depth: About 50 km
	TRIN	eP'	00.54.18		152.2°	Small
14	DOM	e	01.55.21		9.43°	H: 01.53.26 E: 19.8°N 70.0°W Depth: About 100 km
	ST. VIN	eP	01.55.56		10.72°	
		e	01.58.00			
	GREN	eP	01.56.03		11.14°	
		ePP	01.56.31			
		eS	01.57.58			
	BARB	eP	01.56.19		12.05°	
	TRIN	eP	01.56.20		12.37°	
		iS	01.58.29			
14	ST. VIN	eP	02.04.42			
		i	02.06.11			
	DOM	eP	02.04.44			
	GREN	eP	02.05.(33)			
		e	02.06.36			
14	DOM	e	03.29.14			
14	GREN	eP	13.53.03		2.0°	
		iS	13.53.24			
15	DOM	eP	04.15.07			
15	TRIN	eP	15.45.19		0.80°	H: 15.45.08 E: 10.4°N 61.1°W
		i	15.45.26			
	GREN	eP	15.45.20		0.86°	
	ST. VIN	eP	15.45.32		1.76°	
16	TRIN	eP	22.50.43		1.4°	
		eS	22.50.58			
17	ST. VIN	eP'	13.18.(16)		144.2°	USCGS Gives H: 12.58.56 E: 6.3°S 154.4°E Depth: About 134 km
	TRIN	eP'	13.18.17		144.5°	
	BARB	eP'	13.18.25		145.9°	

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION D	DISTANCE	
SEPT 17	GREN	eP'	16.14.20		148.5°	USCGS Gives H: 15.54.31
	ST. VIN	eP'	16.14.(22)		149.4°	E: 6.3°S 148.8°E
	TRIN	eP'	16.14.22		149.8°	Depth: About 75 km
18	DOM	eP	13.37.55			
	ST. VIN	eP	13.38.(23)			
18	GREN	eP	14.06.37		1.7°	
		iS	14.06.54			
	ST. VIN	eP	14.06.(58)		3.2°	
19	DOM	eP	04.18.45			
19	DOM	iP	06.03.30		1.8°	
		iS	06.03.48			
19	GREN	iP	12.55.53		1.1°	
		iS	12.56.04			
19	TRIN	eP	19.05.09		16.3°	USCGS Gives H: 19.01.25
	GREN	eP	19.05.10		16.4°	E: 6.9°N 77.5°W
	ST. VIN	eP	19.05.20		17.1°	Depth: About 66 km
	BARB	eP	19.05.42		18.4°	
21	DOM	eP	04.21.57			
	ST. VIN	eP	04.22.23			
	GREN	eP	04.22.40			
	TRIN	eP	04.23.04			Very Small
22	TRIN	eP	00.23.10			
		i	00.26.02			
22	TRIN	eP	09.28.(06)		91.9°	Very Small
						USCGS Gives H: 09.14.58
						E: 2.8°S 29.8°E
						Depth: About 20 km
22	ST. KIT	iP	20.22.(10)			
23	DOM	eP	00.22.15		6.56°	H: 00.20.43
		iS	00.23.22			E: 20.0°N 56.6°W.
	BARB	eP	00.22.30		7.43°	
		eS	00.23.47			
	ST. VIN	eP	00.22.37		8.16°	
		iS	00.24.04			
	GREN	eP	00.22.54		9.34°	
		e	00.24.25			
	TRIN	eP	00.23.10		10.43°	
		i	00.26.02			
23	DOM	iP	04.33.54		0.7°	
		iS	04.34.01			
24	TRIN	eP	14.03.20		0.75°	H: 14.03.10
	GREN	eP	14.03.27		1.18°	E: 10.9°N 62.1°W
	ST. VIN	eP	14.03.43		2.40°	
26	TRIN	eP	00.39.36		38.4°	Very Small
	GREN	eP	00.39.44		40.0°	USCGS Gives H: 00.32.05
	ST. VIN	eP	00.39.54		41.2°	E: 27.4°S 68.2°W
	DOM	eP	00.40.09		43.2°	Depth: About 25 km

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1960						
SEPT 26	TRIN	eP	17.04.02		0.96°	H: 17.03.48
	GREN	eP	17.04.11		1.61°	E: 11.0°N 60.5°W
	ST. VIN	eP	17.04.20		2.50°	
28	DOM	eP	08.48.21		2.00°	H: 08.47.53
		eS	08.48.42			E: 14.3°N 60.6°W
	ST. VIN	iP	08.48.23	d	2.06°	Depth: About 175 km
		iS	08.48.44			
	BARB	eP	08.48.27		2.22°	
28	TRIN	e	19.18.49			Small
29	TRIN	eP	06.33.52		29.0°	Felt: Arequipa, Peru.
	GREN	eP	06.34.02		30.1°	USCGS Gives H: 06.27.56
	ST. VIN	eP	06.34.13		31.6°	E: 17.3°S 68.5°W
	BARB	eP	06.34.20		31.8°	Depth: About 115 km
29	TRIN	eP	06.38.54		0.74°	H: 06.38.44
	GREN	eP	06.38.56		0.83°	E: 11.4°N 61.3°W
	ST. VIN	eP	06.39.10		1.80°	
29	ST. VIN	eP	11.37.24		2.06°	H: 11.36.55
	GREN	eP	11.37.26		2.21°	E: 12.1°N 59.5°W
	TRIN	eP	11.37.28		2.36°	
		i	11.37.34			
29	ST. VIN	e	11.40.09			
	GREN	e	11.40.27			
	TRIN	e	11.40.33			
29	ST. VIN	eP	19.55.59			
30	ST. VIN	eP	02.52.30			
30	TRIN	eP	07.46.21			
	GREN	eP	07.46.32			

EARTHQUAKE EPICENTRES

JUL - SEPT. 1960

66° 64° 62° 60° 58°

18° 16° 14° 12° 10°

PORTO RICO
CRAB
VIRGIN IS.
ST. CROIX
ANGUILLA
ST. MARTIN
ST. BARTHOLOMEW
SABA
ST. EUSTATIUS
ST. KITTS
NEVIS
BARBUDA
ANTIGUA
MONTSERRAT
GUADELOUPE
MARIE GALANTE
AVES
DOMINICA
MARTINIQUE
ST. LUCIA
ST. VINCENT
BARBADOS
GRENADA
BLANQUILLA
TESTIGO GRANDE
MARGARITA
TORTUGA
CUBAGUA
COCHE
TOBAGO
TRINIDAD

* 4.7.60
* 18.8.60
4.7.60
3.9.60
* 28.9.60
* 29.9.60
* 21.8.60
9.8.60
15.8.60
13.7.60
* 22.7.60
* 29.9.60
* 17.7.60
* 9.8.60
* 21.7.60
22.7.60
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20.7.60
* 29.9.60
* 9.8.60
* 21.7.60

V E N E Z U E L A

UNIVERSITY COLLEGE OF THE WEST INDIES

SEISMIC RESEARCH UNIT

Trinidad, West Indies.

Preliminary Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10°	39.0'	N	LONG.	61°	24.1'	W 27m.
GREN	(GREN)	LAT.	12°	02.7'	N	LONG.	61°	44.1'	W 30m.
ST. VINCENT	(ST. VIN)	LAT.	13°	10.2'	N	LONG.	61°	15.5'	W 10m.
BARBADOS	(BARB)	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	(ANT)	LAT.	17°	08.6'	N	LONG.	61°	50.1'	W 27m.
ST. KITTS	(ST. KIT)	LAT.	17°	20.3'	N	LONG.	62°	43.7'	W

EQUIPMENT

All stations are equipped with Willmore Watts 1 second period seismometers and $\frac{1}{4}$ second period galvanometers recording at 60mm/min.

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		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1960							
OCT	1	TRIN	eP	10.48.40		1.83°	H: 10.48.14
			iS	10.48.57			E: 10.3°N 63.2°W
		GREN	eP	10.48.47		2.25°	
			iS	10.49.12			
		ST. VIN	eP	10.49.03		3.43°	
			e	10.49.43			
	1	TRIN	eP	11.15.50			
		GREN	eP	11.15.56			
	1	BARB	e	16.24.02		94.0°	USCGS Gives H: 16.10.57
		ST. VIN	eP	16.24.05		93.0°	E: 52.2°N 172.6°W
		TRIN	eP	16.24.14		95.0°	Depth: About 41 km
	2	BARB	eP	03.24.44		1.98°	H: 03.24.13
		ST. VIN	eP	03.25.00		3.28°	E: 12.4°N 58.3°W
			i	03.25.38			Depth: About 150 km
		GREN	iP	03.25.04		3.65°	
			iS	03.25.42			
		TRIN	iP	03.25.07		3.77°	
	2	TRIN	eP	07.02.33		0.9°	
			iS	07.02.42			
		GREN	eP	07.02.39		1.0°	
			eS	07.02.50			
	2	BARB	eP	16.44.29			
		ST. VIN	eP	16.44.41			
	2	TRIN	eP	18.59.13			
	3	TRIN	iP	00.33.11	d	1.2°	
			iS	00.33.23			
		GREN	eP	00.33.16		1.6°	
			iS	00.33.33			
	3	GREN	eP	05.19.47		52.0°	USCGS Gives H: 05.10.37
							E: 38.7°S 75.3°W
							Depth: About 43 km
	4	GREN	eP	05.33.38			
	5	TRIN	eP	01.29.31		0.95°	H: 01.29.18
		GREN	eP	01.29.35		1.19°	E: 11.4°N 60.8°W
		ST. VIN	eP	01.29.45		1.89°	
	5	GREN	iP	07.35.18		1.4°	
			iS	07.35.32			
		TRIN	iP	07.35.20		1.4°	
			iS	07.35.35			
	6	TRIN	eP	16.25.27		50.3°	Small
		GREN	eP	16.25.44		51.4°	USCGS Gives H: 16.16.38
							E: 38.3°S 74.9°W
							Depth: About 53 km
	6	ST. VIN	eP	20.04.37		50.1°	USCGS Gives H: 19.55.42
		GREN	eP	20.04.45		51.5°	E: 58.2°N 31.6°W
		TRIN	eP	20.04.54		52.4°	Depth: About 63 km
			ePP	20.07.39			
	7	TRIN	eP	03.24.45		52.5°	Small
							USCGS Gives H: 03.15.35
							E: 58.1°N 31.9°W
							Depth: About 71 km

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
OCT 7	ST. VIN	eP	08.31.19		2.65°	H: 08.30.42
	GREN	eP	08.31.25		3.09°	E: 14.6°N 63.6°W
	TRIN	eP	08.31.44		4.46°	
—7	ST. VIN	eP'	15.38.35		166.8°	USCGS Gives H: 15.18.31
	GREN	eP'	15.38.37		167.0°	E: 7.4°S 130.7°E
	TRIN	eP'	15.38.37		167.4°	Depth: About 45 km
		i	15.39.45			
	BARB	eP'	15.38.(47)		168.3°	
7	GREN	eP	19.09.50		11.7°	
		eS	19.11.51			
	TRIN	eP	19.10.02		12.6°	
		iP	19.10.04			
		eS	19.12.12			
	ST. VIN	eP	19.10.02		12.4°	
		eS	19.12.11			
8	BARB	eP	01.06.13			
—8	GREN	eP'	06.11.01		126.9°	USCGS Gives H: 05.53.01
	TRIN	eP'	06.11.04		128.4°	E: 40.0°N 129.7°E
		e	06.13.29			Depth: About 608 km
8	ST. VIN	iP	12.48.45	c	0.98°	H: 12.48.31
		iS	12.48.56			E: 13.6°N 60.7°W
	BARB	iP	12.48.54	c	1.41°	Depth: About 75 km
	GREN	iP	12.48.59	d	1.97°	
		iS	12.49.21			
9	TRIN	eP	20.28.13		1.03°	H: 20.27.58
		i	20.28.19			E: 11.2°N 60.5°W
	GREN	eP	20.28.19		1.51°	
	ST. VIN	eP	20.28.28		2.16°	
	BARB	e	20.28.46		2.16°	
12	TRIN	iP	18.13.47		1.4°	
		iS	18.14.01			
	GREN	iP	18.13.53		1.9°	
		iS	18.14.12			
12	TRIN	eP	18.46.50			Small
12	TRIN	eP'	18.49.16		150.0°	USCGS Gives H: 18.29.35
						E: 6.1°S 148.6°E
						Depth: About 119 km
13	GREN	iP	08.53.30		1.0°	
		iS	08.53.40			
13	GREN	eP'	18.59.45		145.2°	USCGS Gives H: 18.40.30
	ST. VIN	eP'	18.59.47		145.3°	E: 3.8°S 152.4°E
	TRIN	eP'	18.59.(49)		145.8°	Depth: About 213 km
13	TRIN	eP	20.31.(36)			Small
—14	GREN	eP	17.57.34		51.0°	USCGS Gives H: 17.48.29
						E: 37.9°S 74.7°W
						Depth: About 25 km
—14	ST. VIN	eP	21.32.22			
	TRIN	eP	21.32.(31)			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
OCT 14	TRIN	eP	23.04.(31)		49.2°	USCGS Gives H: 22.55.42 E: 55.5°N 35.2°W Depth: About 40 km
15	TRIN	eP'	11.49.(41)		146.0°	USCGS Gives H: 11.30.02 E: 23.1°N 123.1°E Depth: About 60 km
15	TRIN	iP	20.09.23	c	2.63°	H: 20.08.46 E: 10.6°N 59.0°W Depth: About 125 km
		iS	20.09.50			
	BARB	iP	20.09.29	c	2.79°	
		iS	20.09.58			
	GREN	iP	20.09.32	c	3.25°	
		iS	20.10.05			
	ST. VIN	iP	20.09.36	d	3.55°	
		iS	20.10.12			
16	TRIN	iP	18.55.(16)		1.2°	
		iS	18.55.(28)			
	GREN	eP	18.55.20		1.6°	
		iS	18.55.36			
17	TRIN	eP	15.49.37		17.7°	USCGS Gives H: 15.45.37 E: 4.8°N 78.4°W Depth: About 83 km
		iP	15.49.39			
		i	15.49.43			
	GREN	eP	15.49.39		17.9°	
	ST. VIN	eP	15.49.49		18.8°	
	BARB	eP	15.50.07		20.1°	
		e	15.50.11			
17	TRIN	eP	16.00.15		17.5°	USCGS Gives H: 15.56.09 E: 5.1°N 78.1°W Depth: About 25 km
	GREN	eP	16.00.18		17.7°	
	BARB	eP	16.00.44		20.0°	
18	BARB	eP	17.18.24			
18	ST. VIN	eP	19.18.18		1.71°	H: 19.17.54 E: 14.8°N 61.4°W Depth: About 50 km
		iS	19.18.35			
	GREN	eP	19.18.34		2.81°	
		i	19.19.05			
	TRIN	eP.	19.18.53		4.18°	
18	TRIN	iP	23.07.02		0.85°	H: 23.06.50 E: 11.0°N 61.8°W Depth: About 75 km
		iS	23.07.11			
	GREN	iP	23.07.07		1.28°	
		iS	23.07.19			
	ST. VIN	eP	23.07.23		2.38°	
19	TRIN	iP	08.43.02		1.3°	
		iS	08.43.15			
	GREN	eP	08.43.08		1.7°	
		iS	08.43.25			
20	ST. KIT	iP	05.33.24		0.71°	H: 05.33.13 E: 17.2°N 62.0°W
	ST. VIN	eP	05.34.11		4.12°	
	BARB	eP	05.34.23		4.71°	
	GREN	eP	05.34.24		5.18°	
	TRIN	eP	05.34.(48)		6.60°	
20	GREN	iP	06.14.40		08.6°	USCGS Gives H: 06.12.45 E: 10.3°N 70.4°W Depth: About 69 km
	ST. VIN	eP	06.14.48		09.5°	
	TRIN	eP	06.14.(50)		09.0°	

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
OCT	20	ST. VIN	eP	07.47.36		1.9°	
		GREN	eP	07.47.37		2.0°	
			iS	07.47.57			
	20	GREN	eP	14.30.02		1.7°	
			iS	14.30.20			
	20	TRIN	e	23.52.15			
	21	TRIN	eP	09.08.22		2.79°	H: 09.07.43
		GREN	eP	09.08.35		3.70°	E: 9.8°N 58.7°W
		ST. VIN	eP	09.08.41		4.15°	
	21	TRIN	eP	09.52.34		1.7°	
			iS	09.52.51			
		GREN	eP	09.52.41		2.3°	
			iS	09.54.05			
	21	GREN	iP	12.11.22	d	1.1°	
			iS	12.11.33			
		TRIN	iP	12.11.29		1.5°	
			iS	12.11.44			
	21	GREN	eP	12.40.43		1.5°	
			iS	12.40.58			
	21	GREN	eP	14.14.08			
	21	BARB	iP	15.05.50	c	0.79°	H: 15.05.36
			iS	15.05.59			E: 13.5°N 60.2°W
		ST. VIN	iP	15.05.53		1.22°	Depth: About 50 km
			iS	15.06.06			
		GREN	iP	15.06.07	c	2.16°	
			iS	15.06.27			
		TRIN	iP	15.06.19	d	3.11°	
			iS	15.06.52			
	21	BARB	iP	15.17.16		0.90°	H: 15.17.01
		ST. VIN	iP	15.17.19		1.36°	E: 13.5°N 60.1°W
			iS	15.17.32			Depth: About 75 km
		GREN	eP	15.17.33		2.26°	
			i	15.17.54			
		TRIN	eP	15.17.45		3.18°	
			eS	15.18.19			
	21	GREN	iP	15.30.20		0.98°	H: 15.30.06
			iS	15.30.30			E: 11.7°N 61.7°W
		TRIN	eP	15.30.25		1.38°	Depth: About 100 km
			iP	15.30.27			
			iS	15.30.40			
		ST. VIN	iP	15.30.31	c	1.80°	
			iS	15.30.50			
		BARB	eP	15.30.46		2.67°	
	22	BARB	eP	01.11.44		0.8°	
		ST. VIN	iP	01.11.54		1.7°	
			iS	01.12.12			
	23	TRIN	eP	01.51.47		1.28°	H: 01.51.29
			iS	01.52.00			E: 11.1°N 60.9°W
		GREN	eP	01.51.53		1.70°	Depth: About 125 km
		ST. VIN	eP	01.52.02		2.43°	
	26	ST. VIN	iP	21.17.31		0.3°	
			iS	21.17.34			

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
OCT	27	ST. VIN	iP	17.53.24		0.4°	
			iS	17.53.28			
	28	GREN	eP	12.28.15			
			i	12.28.32			
	29	BARB	eP	04.20.06		12.8°	USCGS Gives H: 04.17.02
		ST. VIN	eP	04.20.25		14.6°	E:15.4°N 46.4°W
			eS	04.23.03			Depth: About 38 km
		GREN	eP	04.20.34		15.2°	
		TRIN	eP	04.20.36		15.3°	
	29	BARB	iP	16.31.45		0.4°	
		ST. VIN	eP	16.31.59		1.6°	
			eS	16.32.16			
	29	TRIN	eP	18.41.12			Small
	29	TRIN	eP	19.54.15			
	30	TRIN	eP	12.21.26		35.2°	Small
		GREN	eP	12.21.36		36.3°	Felt: Antofagasta
							USCGS Gives H: 12.14.36
							E: 23.3°S 70.3°W
							Depth: About 76 km
	30	TRIN	eP	21.39.33		34.3°	Felt: Antofagasta, Mejillones,
		GREN	eP	21.39.42		35.4°	Tocopilla, San Pedro de
		ST. VIN	eP	21.39.53		36.8°	Atacama, Calama.
			e	21.40.10			USCGS Gives H: 21.32.48
		BARB	eP	21.40.00		37.0°	E: 22.8°S 68.0°W
		DOM	eP	21.40.(08)		38.8°	Depth: About 60 km
		ST. KIT	eP	21.40.23		40.4°	
	31	GREN	iP	03.32.28		1.2°	
			iS	03.32.41			
		ST. VIN	eP	03.32.38		1.9°	

UNIVERSITY COLLEGE OF THE WEST INDIES

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DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
NOV 1	TRIN	eP	08.54.56		50.4°	USCGS Gives H: 08.46.02
	ST. VIN	eP	08.55.13		52.7°	E: 38.4°S 74.4°W
	BARB	eP	08.55.22		53.2°	Depth: About 97 km
	DOM	eP	08.55.(28)		54.8°	
	ST. KIT	eP	08.55.39		56.4	
2	ST. KIT	iP	16.16.16		0.96°	H: 16.16.02
	DOM	iP	16.16.(46)	d	2.88°	E: 18.1°N 62.1°W
		iS	16.17.(17)			
	ST. VIN	eP	16.17.13		4.99°	
	TRIN	eP	16.17.48		7.47°	
2	ST. VIN	eP	16.22.10			
2	TRIN	eP'	17.34.09		134.5°	USCGS Gives H: 17.14.49
	ST. VIN	eP'	17.34.09		134.6°	E: 10.9°S 164.9°E
	DOM	eP'	17.34.(09)		134.6°	Depth: About 25 km
3	ST. KIT	eP	05.06.37			
	DOM	eP	05.06.(38)			
6	DOM	eP	22.22.(55)		87.4°	USCGS Gives H: 22.10.06
	ST. VIN	eP	22.23.04		89.5°	E: 52.7°N 168.0°W
						Depth: About 42 km
7	TRIN	iP	08.02.40		0.4°	
		iS	08.02.44			
7	DOM	iP	12.24.(08)	c	1.42°	H: 12.23.46
		iS	12.24.(26)			E: 15.5°N 61.0°W
	ST. VIN	eP	12.24.24	c	2.69°	Depth: About 150 km
		iS	12.24.52			
	ST. KIT	eP	12.24.26		2.83°	
	BARB	eP	12.24.32		3.04°	
	TRIN	eP	12.24.57		5.03°	
		eS	12.25.49			
9	TRIN	iP	04.36.09		0.4°	
		iS	04.36.13			
9	ST. VIN	eP	20.13.28		37.6°	Felt: Antofagasta
	ST. KIT	eP	20.13.57		40.8°	USCGS Gives H: 20.06.16
						E: 23.2°S 70.6°W
						Depth: About 52 km
10	TRIN	eP	05.26.08		1.1°	
		iP	05.26.11			
		iS	05.26.19			
	ST. VIN	eP	05.26.19		2.0°	
		eS	05.26.39			
10	TRIN	iP	12.26.32		1.3°	
		iS	12.26.45			
10	TRIN	iP	12.27.28		1.2°	
		iS	12.27.40			
10	ST. VIN	eP'_2	15.05.13		157.3°	USCGS Gives H: 14.44.47
	TRIN	eP'_2	15.05.17		158.0°	E: 2.6°S 139.4°E
						Depth: About 25 km
11	TRIN	iP	16.56.30		1.3°	
		iS	16.56.44			

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
NOV	12	TRIN	eP	06.53.00		0.7°	
			iS	06.53.07			
	12	TRIN	eP	22.33.39		1.1°	
			iS	22.33.51			
	12	TRIN	eP	23.01.38		1.3°	
			iS	23.01.51			
	13	ST. KIT	eP	09.33.14		86.8°	USCGS Gives H: 09.20.37 E: 51.1°N 168.8°W Depth: About 65 km
		DOM	eP	09.33.(27)		88.6°	
		ST. VIN	eP	09.33.34		91.0°	
		BARB	eP	09.33.43		91.6°	
		TRIN	eP	09.33.43		92.5°	
	13	DOM	iP	19.55.47	c	1.64°	H: 19.55.23 E: 16.3°N 61.7°W Depth: About 125 km
			iS	19.56.05			
		ST. KIT	iP	19.55.48		1.76°	
		ST. VIN	eP	19.56.12		3.51°	
		TRIN	eP	19.56.47		5.99°	
	14	TRIN	iP	00.41.46		1.1°	
			iS	00.41.58			
	14	TRIN	eP	23.05.15		0.7°	
			iS	23.05.22			
		ST. VIN	eP	23.05.28		1.6°	
	15	ST. KIT	eP	02.19.35		5.2°	USCGS Gives H: 02.18.14 E: 18.2°N 6[illegible].1° Depth: About 179 km
		DOM	eP	02.20.00		7.0°	
		ST. VIN	eP	02.20.17		8.2°	
		TRIN	eP	02.20.39		10.1°	
			iP	02.20.43			
			eS	02.22.28			
	15	ST. KIT	eP	22.41.11		2.63°	H: 22.40.34 E: 17.6°N 60.0°W
		ST. VIN	eP	22.41.38		4.58°	
		BARB	e	22.41.56		4.49°	
		TRIN	eP	22.42.13		7.08	
			iS	22.43.26			
	16	ST. KIT	eP	00.29.18			
	16	TRIN	eP	15.41.17		12.5°	USCGS Gives H: 15.38.27 E: 10.4°N 74.2°W Depth: About 83 km
		ST. VIN	eP	15.41.19		12.8°	
		BARB	eP	15.41.50		14.5°	
	17	DOM	iP	01.41.(17)	c	0.75°	H: 01.40.55 E: 15.4°N 60.6°W Depth: About 100 km
			iS	01.41.(31)			
		ST. VIN	iP	01.41.29		2.49°	
			iS	01.41.53			
		BARB	eP	01.41.35		2.65°	
		TRIN	eP	01.42.04		4.89°	
			eS	01.42.58			
	17	DOM	eP	18.02.(11)		1.1°	
			iS	18.02.(23)			
		ST. VIN	eP	18.02.35		2.8°	
			e	18.03.13			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
NOV 18	TRIN	eP	11.54.45		1.8°	
		eS	11.55.03			
	ST. VIN	eP	11.55.09		3.5°	
		eS	11.55.45			
18	DOM	eP	21.23.(51)		1.2°	
	ST. VIN	eP	21.24.03		2.0°	
		eS	21.24.24			
19	ANT	iP	23.49.42		1.1°	
		iS	23.49.53			
20	ANT	eP	12.31.54			
20	TRIN	eP	22.07.29		25.8°	Near Coast of Peru. 2 killed and extensive property damage from seismic sea wave at Piment Eten and Santa Rosa. USCGS Gives H: 22.02.00 E: 6.8°S 80.7°W Depth: About 93 km
		i	22.07.41			
		L	22.16.			
	ST. VIN	eP	22.07.51		27.6°	
	BARB	eP	22.08.(11.)		28.6°	Small
21	TRIN	eP	04.27.17		25.7°	USCGS Gives H: 04.21.42 E: 6.2°S 80.8°W Depth: About 25 km
21	ST. VIN	eP	04.48.05		1.33°	H: 04.47.46 E: 11.9°N 60.8°W
	TRIN	eP.	04.48.06		1.39°	
	BARB	eP	04.48.13		1.69°	
22	ST. VIN	eP	03.08.11		1.68°	H: 03.07.48 E: 14.8°N 60.7°W
	ANT	eP	03.08.24		2.62°	
	ST. KIT	eP	03.08.33		3.22°	
22	TRIN	eP	12.38.03		51.9°	USCGS Gives H: 12.28.58 E: 40.0°S 74.3°W Depth: About 107 km
	ST. VIN	eP	12.38.20		54.4°	
	ANT	eP	12.38.44		57.6°	
	ST. KIT	eP	12.38.46		58.0°	
22	ST. VIN	eP	18.28.52			
23	ANT	iP	03.43.19			
	ST. KIT	eP	03.43.30			
23	ANT	eP'_2	04.30.11		143.1°	USCGS Gives H: 04.11.35 E: 4.9°S 153.8°E Depth: About 516 km
	ST. VIN	eP'_2	04.30.15		144.1°	
	TRIN	eP'_2	04.30.16		144.5°	
	BARB	eP'_2	04.30.24		146.1°	
23	TRIN	eP'	14.31.11		116.7°	USCGS Gives H: 14.12.21 E: 24.2°S 176.1°W Depth:: About 28 km
23	TRIN	iP	22.27.02		1.2°	
		iS	22.27.15			
	ST. VIN	eP	22.27.24		2.7°	
24	ANT	eP'	05.09.41		143.8°	Felt: New Britain
	TRIN	eP'	05.09.45		144.7°	USCGS Gives H: 04.50.16 E: 4.6°S 153.0°E Depth: About 87 km
	ST. VIN	eP'	05.09.46		144.9°	

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
OV 24	TRIN	eP'	07.11.28		116.7°	USCGS Gives H: 06.52.41
	ST. VIN	eP'	07.11.31		117.7°	E: 24.2°S 176.1°W
	ST. KIT	eP'	07.11.31		117.8°	Depth: About 23 km
	ANT	eP'	07.11.32			
24	ANT	iP	09.00.33		1.0°	
		iS	09.00.44			
	ST. KIT	iP	09.00.36		1.4°	
		iS	09.00.50			
24	ANT	eP	11.11.34		1.4°	
		iS	11.11.49			
	ST. KIT	iP	11.11.44		2.0°	
		iS	11.12.05			
26	ST. KIT	eP	02.26.14		3.1°	
		iS	02.26.46			
	ANT	eP	02.26.23		3.8°	
26	TRIN	iP	07.01.51	c	0.84°	H: 07.01.39
		iS	07.02.01			E: 10.7°N 62.3°W
	ST. VIN	iP	07.02.17	c	2.62°	
		iS	07.02.48			
	BARB	eP	07.02.32		3.55°	
	ANT	eP	07.03.10		6.41°	
		iP	07.03.14			
		i	07.04.23			
	ST. KIT	iP	07.03.12		6.62°	
		iS	07.04.26			
27	ST. VIN	iP	02.07.47		1.33°	H: 02.07.28
		iS	02.08.01			E: 13.8°N 61.0°W
	BARB	eP	02.07.58		1.89°	Depth: About 125 km
	TRIN	iP	02.08.16		3.40°	
27	ST. KIT	eP	07.13.40		1.5°	
		iS	07.13.56			
	ANT	eP	07.13.53		2.4°	
27	TRIN	iP	11.50.20	d	0.7°	
		iS	11.50.27			
27	TRIN	iP	18.51.40		0.7°	
		iS	18.51.48			
28	TRIN	iP	01.43.35	d	0.5°	
		iS	01.43.40			
28	ST. KIT	iP	21.20.59		2.6°	
		iS	21.21.25			
28	TRIN	iP	22.38.53		1.1°	
		iS	22.39.04			
30	ANT	eP	01.13.37		2.0°	
		eS	01.13.58			
	ST. VIN	eP	01.13.51		2.9°	
		eS	01.14.21			
30	TRIN	iP	19.10.15		1.2°	
		iS	19.10.27			

TRINIDAD

UNIVERSITY COLLEGE OF THE WEST INDIES

SEISMIC RESEARCH UNIT

Trinidad, West Indies.

- DEC 1960

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STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10°	39.0'	N	LONG.	61°	24.1'	W 27m.
GREN	(GREN)	LAT.	12°	02.7'	N	LONG.	61°	44.1'	W 30m.
ST. VINCENT	(ST. VIN)	LAT.	13°	10.2'	N	LONG.	61°	15.5'	W 10m.
BARBADOS	(BARB)	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	(ANT)	LAT.	17°	08.6'	N	LONG.	61°	50.1'	W 27m.
ST. KITTS	(ST. KIT)	LAT.	17°	20.3'	N	LONG.	62°	43.7'	W

EQUIPMENT

All stations are equipped with Willmore Watts 1 second period seismometers and $\frac{1}{4}$ second period galvanometers recording at 60mm/min.

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.

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
DEC 1	ANT	iP	01.24.55	d	1.4°	
		iS	01.25.09			
2	TRIN	eP	04.57.44			
2	TRIN	eP	09.17.43		36.2°	Felt: Antofagasta
		L	09.31.			USCGS Gives H: 09.10.41
	ST. VIN	eP	09.18.07		38.5°	E: 24.5°S 69.9°W
		i	09.18.15			Depth: About 37 km
		L	09.36			
	BARB	eP	09.18.18		38.9°	
2	TRIN	eP	09.44.38		36.1°	USCGS Gives H: 09.37.39
	ST. VIN	eP	09.44.58		38.5°	E: 24.3°S 69.8°W
	BARB	eP	09.45.21		38.9°	Depth: About 64 km
3	TRIN	eP'	04.47.20		125.2°	USCGS Gives H: 04.24.18
						E: 42.8°N 104.5°E
						Depth: About 45 km
3	ANT	eP	18.33.49		1.3°	
		iS	18.34.02			
4	TRIN	eP	04.07.58			
4	TRIN	eP	10.31.13			
4	ST. VIN	eP	22.07.26			
5	TRIN	iP	04.54.58	d	1.6°	
		iS	04.55.14			
6	TRIN	eP	09.00.56		21.5°	USCGS Gives H:08.56.17
	ST. VIN	eP	09.01.02		21.9°	E: 8.5°N 82.7°W
	ANT	eP	09.01.06		22.4°	Depth: About 116 km
6	TRIN	eP	09.02.46		32.9°	Felt: Antofagasta
		ePcP	09.05.31			USCGS Gives H: 08.56.08
	ST. VIN	eP	09.03.05		35.3°	E: 21.4°S 69.0°W
		i	09.03.25			Depth: About 25 km
	ANT	eP	09.03.48		38.9°	
7	ANT	iP	09.29.02	d		
7	TRIN	iP	11.47.33	d	1.3°	
		iS	11.47.47			
8	TRIN	eP	11.27.59		42.6°	Felt: Santiago, Chile
		ePP	11.29.49			USCGS Gives H: 11.20.08
						E: 31.6°S 68.9°W
						Depth: About 140 km
8	TRIN	iP	11.34.55	c	0.6°	
		iS	11.35.01			
8	TRIN	eP	12.26.12			
8	ST. VIN	eP	16.46.27			
		i	16.46.30			
8	TRIN	e	18.48.55			
8	TRIN	e	18.51.52			
9	ANT	iP	01.41.46		1.8°	
		iS	01.42.04			
9	TRIN	iP	15.23.42	c	0.6°	
		iS	15.23.49			

DATE 1960	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
DEC.10	TRIN	iP	07.34.38		0.6°	
		iS	07.34.44			
11	TRIN	iP	16.45.14		1.3°	
		iS	16.45.28			
11	TRIN	iP	18.47.31		1.7°	
		iS	18.47.49			
12	TRIN	eP	10.47.02		1.8°	
		iP	10.47.05			
		iS	10.47.21			
	ST. VIN	eP	10.47.32		3.9°	
		e	10.48.08			
13	TRIN	eP	07.55.46			
13	TRIN	iP	14.32.21		1.0°	
		iS	14.32.31			
14	TRIN	eP	17.48.53			
14	TRIN	iP	17.59.17		1.3°	
		iS	17.59.31			
14	TRIN	eP	18.01.55			
14	TRIN	eP	21.03.05		1.8°	
		iP	21.03.06			
		iS	21.03.24			
14	TRIN	e	21.11.29			
15	ST. VIN	eP'	00.11.27		162.0°	USCGS Gives H: 23.51.29
	TRIN	eP'	00.11.31		164.1°	E: 2.9° N 126.5° E
	BARB	e	00.12.01		163.1°	Depth: About 77 km
16	TRIN	iP	21.56.27			
17	TRIN	iP	05.43.31	c	0.6°	
		iS	05.43.37			
17	TRIN	eP'	10.56.53		169.8°	USCGS Gives H: 10.37.14
					°	E: 6.4° S 109.3° E
						Depth: About 295 km
17	TRIN	iP	20.55.59		1.5°	
		iS	20.56.15			
18	ST. KIT	eP	07.50.47		7.9°	
		eS	07.52.08			
	ST. VIN	eP	07.51.28		10.8°	
	TRIN	eP	07.51.55		12.8°	
		eS	07.54.07			
18	TRIN	iP	07.56.56	c	1.1°	
		iS	07.57.08			
18	ST. VIN	eP	08.01.47		1.7°	
		eS	08.02.04			
18	ST. KIT	iP	20.05.19		0.9°	
		iS	20.05.28			
18	TRIN	e	21.35.54			
19	ST. VIN	iP	04.36.28	c	2.0°	
		iS	04.36.49			
19	ST. KIT	iP	08.29.41		0.2°	
		iS	08.29.42			

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
DEC	19	TRIN	eP	21.09.51			
	19	TRIN	iP	22.11.48	d	1.0°	
			iS	22.11.59			
	20	TRIN	eP	05.56.41			
	20	TRIN	eP'	06.24.04		138.2°	USCGS Gives H: 06.04.34 E:25.1°N 122.9°E Depth: About 60 km
	21	ST. KIT	eP	14.51.26		74.7°	USCGS Gives H: 14.40.02 E: 61.6°N 152.3°W Depth: About 169 km
		ST. VIN	eP	14.51.51		79.0°	
		TRIN	eP	14.52.01		81.4°	
	21	ST. KIT	iP	14.52.24			
	22	ST. KIT	eP'	03.21.59		144.6°	USCGS Gives H: 03.02.29 E: 9.8°N 94.2°E Depth: About 60 km
		ST. VIN	eP'	03.22.04		146.4°	
		TRIN	eP'	03.22.11		148.0°	
	22	TRIN	eP	03.53.12		29.2°	Felt: Arequipa, Peru
		ST. VIN	eP	03.53.31		31.8°	USCGS Gives H: 03.47.21 E: 16.1°S 72.9°W Depth: About 147 km
	22	TRIN	iP	12.08.13		1.3°	
			iS	12.08.26			
	22	TRIN	eP	19.38.37			
	22	ST. VIN	eP'	21.21.24		145.1°	USCGS Gives H: 21.02.41 E: 6.8°S 153.3°E Depth: About 469 km
		TRIN	eP'	21.21.25		145.4°	
		BARB	eP'	21.21.33		147.2°	
	23	TRIN	iP	13.50.38			
	23	TRIN	iP	18.28.45			
	23	TRIN	iP	21.11.39	d	1.2°	
			iS	21.11.52			
		ST. VIN	iP	21.12.01		2.7°	
			iS	21.12.36			
	24	TRIN	eP	02.41.22			
			e	02.43.20			
	24	ST. KIT	iP	08.35.58			
	24	TRIN	eP	08.55.38			
			i	08.55.44			
	24	ST. KIT	iP	09.34.54		1.5°	
			iS	09.35.09			
	24	ST. VIN	eP	11.12.27		2.67°	H: 11.11.49 E: 15.5°N 59.6°W
			iS	11.12.56			
		ST. KIT	iP	11.12.34		3.22°	
		BARB	e	11.12.36		2.43°	
		TRIN	eP	11.13.00		5.07°	
			eS	11.13.51			
	24	TRIN	eP	23.23.24		21.9°	Small USCGS Gives H: 23.18.29 E: 3.6°S 77.8°W Depth: About 25 km

DATE 1960		STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
DEC.	24	TRIN	e	23.56.29			Small
	25	TRIN	eP	08.38.50			
	25	TRIN	eP	09.02.38			
	25	TRIN	eP	09.07.18			
	25	TRIN	e	09.26.02			Small
	25	TRIN	iP	09.53.19	d	1.2°	
			iS	09.53.31			
	25	TRIN	iP	23.11.50		1.1°	
			iS	23.12.01			
	26	TRIN	eP	04.44.05		74.0°	USCGS Gives H: 04.32.30
		ST. KIT	eP	04.44.43		80.8°	E: 57.4°S 26.2°W
							Depth: About 25 km
	26	TRIN	eP	21.03.25			
	26	TRIN	iP	22.57.46		1.8°	
			iS	22.58.04			
	27	ST. KIT	eP	02.46.18		1.5°	
			iS	02.46.33			
	27	TRIN	eP	04.59.17			Small
	27	ST. KIT	eP	10.45.22			
		TRIN	eP	10.45.55			
	27	TRIN	eP	18.15.26			
		BARB	e	18.16.15			
		ST. KIT	eP	18.16.34			
	27	TRIN	eP	20.20.42			
	28	ST. KIT	iP	03.53.02		2.5°	
			iS	03.53.27			
	29	TRIN	eP	10.46.27		57.1°	USCGS Gives H: 10.36.40
		BARB	eP	10.46.53		59.6°	E: 44.8°S 75.6°W
		ST. KIT	eP	10.47.09		63.2°	Depth: About 30 km
	29	TRIN	eP'	14.02.29		152.4°	USCGS Gives H: 13.42.35
							E: 5.5°S 146.1°E
							Depth: About 57 km
	29	TRIN	eP	19.00.54			
	29	TRIN	eP	19.07.54		30.5°	Felt: Arequipa
		ST. VIN	eP	19.08.14		32.8°	USCGS Gives H: 19.01.38
		ST. KIT	eP	19.08.46		36.2°	E: 18.8°S 69.4°W
							Depth: About 39 km
	29	TRIN	eP	23.21.47		2.2°	
			eS	23.22.09			
	30	TRIN	iP	01.09.05			
	30	TRIN	eP	01.50.02		1.3°	
			iS	01.50.15			
	30	ST. KIT	eP	03.36.18		1.8°	
			iS	03.36.37			
	30	TRIN	eP	05.30.01		1.4°	
			eS	05.30.15			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1960						
DEC 30	TRIN	eP	11.09.38		29.7°	USCGS Gives H: 11.03.37
	ST. VIN	eP	11.09.58		32.2°	E: 16.9°S 70.0°W
	ST. KIT	eP	11.10.28		35.7°	Depth: About 47 km
31	TRIN	eP	18.17.46		56.0°	Small
	ST. VIN	eP	18.18.05		58.3°	USCGS Gives H: 18.08.12
						E: 43.9°S 75.0°W
						Depth: About 92 km
31	TRIN	eP'	21.25.34		147.1°	USCGS Gives H: 21.06.02
						E: 5.0°S 151.4°E
						Depth: About 138 km

EARTHQUAKE EPICENTRES

OCT - DEC 1960

66° 64° 62° 60° 58°

18° 16° 14° 12° 10°

PORTO RICO
VIRGIN IS.
CRAB
ST. CROIX
ANGUILLA
ST. MARTIN
ST. BARTHOLOMEW
SABA
ST. EUSTATIUS
ST. KITTS
NEVIS
BARBUDA
ANTIGUA
MONTSERRAT
GUADELOUPE
MARIE GALANTE
DOMINICA
MARTINIQUE
ST. LUCIA
ST. VINCENT
BARBADOS
GRENADA
AVES
BLANQUILLA
TESTIGO GRANDE
MARGARITA
TORTUGA
CUBAGUA
COCHE
TOBAGO
TRINIDAD
VENEZUELA

2.11.60
15.11.60
17.11.60
20.10.60
13.11.60
7.11.60
24.12.60
22.11.60
18.10.60
7.10.60
27.11.60
8.10.60
21.10.60
2.10.60
21.11.60
21.10.60
26.10.60
18.10.60
5.10.60
9.10.60
23.10.60
15.10.60
1.10.60
20.10.60