φ = 42° 23′ 00″ N
λ = 71° 19′ 20″ W

h = 65 meters
Gabbrodiorite.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE **Benioff 100k (long and short period) NEZ** **Bosch-Omori 25k NE**

PRELIMINARY BULLETIN

January 1952 Bulletin # 169

01	eP	05 10 24	USCGS	15 S	172 W	
01	eP	07 14 10	USCGS	3½ S	105 W	
02	iP	05 55 22 (d)	USCGS	58 N	157 W	
03	iP	10 12 04 (c)	USCGS	16 N	99 W	
04	eR	06 55 20	USCGS	22 S	169½ E	
06	iP	15 53 16.5 (c)	USCGS	19 N	72 W	
06	eP	19 11 17				
	eS	15 22		West Indies		23°
10	eP	00 23 41				
10	iP	11 49 59 (d)	USCGS	53 N	167 W	
12	iP	06 19 19 (c)				
12	iP	20 21 50 (d)	USCGS	53 N	167 W	
	eS	30 07				60.5°
13	ePKP	04 22 19	USCGS	22 N	167 W	114°
	eSS	39 30				
14	eP	00 11 56	USCGS	Kamchatka		
15	eL	05 15 40	USCGS	32 N	42 W	
15	iP	07 09 27 (c)	USCGS	4 S	81 W	
16	iP	06 18 31 (c)				
18	iP	12 52 51 (d)	USCGS	½ S	92 W	
19	iP	07 25 55 (c)	USCGS	52½ N	166 W	
19	eP	23 17 47	USCGS	31½ N	41 W	
20	iP	18 17 34 (d)				
21	iP	03 53 10 (c)	USCGS	55 N	166½ W	60.5°
	eS	04 01 36				
24	iP	09 24 20 (d)				
30	eP	07 15 02	USCGS	44½ N	149 E	
31	iP	20 23 35 (c)	USCGS	15 N	93½ W	
	eS	28 25				
31	eR	21 44 20	USCGS	4 S	30½ E	

John F. Devane, S.J.

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Gabbrodiorite.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

February 1952 Bulletin # 170

02	iP	10 30 55.5 (d)			
	i	31 21	USCGS	51½ N 179 W	
	R	44 30		h - 100 km	
02	iP	12 29 34 (d)		West Indies	20.5°
	eS	33 21			
02	eR	23 57 10	USCGS	11 S 165 E	
03	eP	03 03 56			
04	eR	19 31 40	USCGS	Gulf od Calif.	
06	eR	07 54 30	USCGS	Kermadec Isl.	
08	eP	18 41 47			
11	eP	01 29 42	USCGS	52½ N 178½ W	
11	iP½	07 19 28 (d)			
	i	22 06.5 (d)			
	iPKS	23 10	USCGS	6 S 110 E	143°
	eSKS	25 56		h - 700 km	
	eSS	40 28			
12	eP	02 07 07	USCGS	9 S 74 W	
14	iPKP	03 57 46 (c)			
	iPP	04 00 52	USCGS	8 S 125 E	143°
	eSS	29 44			
14	iP	21 09 35 (d)	USCGS	7½ N 78½ W	36°
	eS	15 14			
16	eP	07 32 35	USCGS	Oaxaca, Me.	
17	eL	17 54 10	USCGS	Gulf of Calif.	
19	iP	21 44 52 (c)			
20	iP	09 20 19 (d)	USCGS	16 S 74 W	
20	eP	22 42 39			
21	iP	22 31 50 (d)			
22	eL	00 06 40	USCGS	Gulf of Calif.	
22	iP	11 47 08 (c)			

February 1952

23	eP	18	18	06				
23	eP	21	39	40	USGS	29 N	43 W	
	eL		47	50				
24	iP	06	52	42 (c)				
25	iPKP	01	55	38 (d)				
	iPKKP		46	49	USCGS	17 S	173½ W	110°
	eSS		51	40				
26	ePKP	02	21	19	USCGS	11 S	165½ E	
26	iP	11	40	20.5 (c)				
	ipP		41	14				
	iPP	43	20		USCGS	15 S	69 W	56.6°
	iS		47	51		h - 250 km		
	eeS		49	52				
26	iP	15	46	00.5 (c)				
	ipP		46	30	USCGS	11½ N	86½ W	34°
	iPP	47	23			h - 100 km		
	eS		51	22				
26	eR	22	08	50	USCGS	12½ S	166 E	124°
27	iP	17	07	37 (d)	USCGS	60 N	155 W	

John F. Devane, S.J.

Gabbrodiorite.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

DAY	PHASE	TIME	REMARKS	EPICENTER USCGS	DIST.
March 1952					
01	ePKP	06 23 34		Celebes	145°
	ePP	26 54			
01	iP	15 44 02	D	Hokkaido	
02	iP	18 59 45	C	Nicaragua	
	eR	10 09 50			
03	eR	08 13 10		21.5 S 174.5 W	
03	iP	17 48 45	C	11 N 86.5 W	
	eR	17 58 40			
04	iP	01 35 44	D	42.5 N 143.5 W	89.5°
	iSKS	46 07			
	iS	46 35	C (East)		
	iPS	47 32	C (East)		
	iSS	52 33			
04	iP	02 04 54	D		
	iP	02 21 22	D		
	iP	02 52 45	D	Hokkaido	
	iP	03 21 21.6	D	42 N 145 E	
	iP	03 25 03	D		
	eP	04 08 31	D	43 N 146 E	
	iP	04 24 15	D	Hokkaido	
	eP	07 22 49	C		
	iP	09 58 25	D		
	eP	14 43 53	D		
	iP	16 43 56	C	43 N 146 W	
	eP	17 31 00		Hokkaido	
	eP	18 39 29		Hokkaido	
	iPKP	19 49 29	D	10 S 161.5 E	
	iP	20 09 14	D	42 N 146 E	88.6°
	ePP	12 43			
	eSKS	19 30			
	eS	20 32			
	iP	21 02 25	C	42 N 146 E	
05	eP	01 33 16		43 N 145.5 E	
	iP	04 02 05	C	42 N 146 E	
	eR	30 40			
	eR	09 17 40			
	iP	10 28 50	C		
	eR	16 03 50		24.5 N 108.5 W	

07	eP	07 46 15		36 N	138.5 E	
	eR	08 20 20				
	iP	11 57 30	D	43 N	145.5 E	
	iP	13 28 57	D	43 N	146 E	
	iP	19 56 53	C			
	eP	21 57 40		West Indies		
	eS	22 01 35				
09	eP	08 15 14		Hokkaido		
	iP	04 56 19	C	near Greece		
	iP	17 16 48	C	42 N	143.5 E	
	eS	27 38				
	eSS	33 30				
09	eP	20 08 14		59.5 N	136 W	
	ePP	10 02				
	eS	14 44				
	iR	22 30	T = 4-6 sec.			
10	iP	18 13 59	C	43.5 N	144.5 E	
14	iP	21 08 15	C	43.5 N	145.5 E	
15	iP	01 32 17	D			
	eR	12 31 50		5.5 S	100.5 E	
16	iP	22 22 23	D	42.5	144 E	
18	iP	05 14 35	D			
18	iP	11 15 18.5	D			
19	eP	01 58 41	D	40 N	29 E	
	eR	02 54 50		41 N	125 E	
19	ePKP	11 16 14	D	9.5 N	127 E	126°
	ePP	18 02				
	ePS	28 04				
	eSS	35 46				
22	iP	19 26 23	D	52 N	178 W	64.6°
	eS	34 59				
23	iP	09 12 05	C	Aleutians		
23	ePP	15 44 09				
	eR	16 26 56				
25	iP	03 45 34	D	11o mi.SW of Crete		
25	iPKP	09 49 52	C	5.5 S	150 E	
				5.5 N	83 W	
26	eP	03 49 38				
28	iP	11 12 22	C			
				AScension Isl.		
27	eP	16 21 32				
28	iP	06 04 08	C			
29	eP	07 28 51				
30	eP	08 07 56				
31	iP	16 18 18	C			

John F. Devane, S.J.
George A. Nolan, S.J.

φ = 42° 23′ 00″ N
λ = 71° 19′ 20″ W

h = 65 meters
Gabbrodiorite.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE **Benioff 100k (long and short period) NEZ** **Bosch-Omori 25k NE**

PRELIMINARY BULLETIN

APRIL 1952 Bulletin # 172

			Remarks	USCGS Epicenter	
01	iP	03 55 17	d	Aleutians	
02	iP	18 41 50	d	16.5 N 99.5 W	
04	iP	03 04 46	c	52 N 159.5 E	
08	iP	00 27 16.5	d	9 S 70.5 W	
	eP	03 06 30		53.5 N 161 E	
	iP	03 19 05	c	53.5 N 161 E	
	eL	11 06 40			
09	eR	08 25 20			
	eR	11 18 50			
	iP	16 34 18.2	c	34.4 N 97.8 W	22°
	eS	38 13			
10	ePP	06 16 34		25 N 126 E	
	eR	55 50			
12	eR	02 33 50			
	iP	03 02 08	c	Aleutians	
13	eP	16 02 51			
14	iP	23 48 03.5	c	No. Chile	
	ipP	48 25			
15	ePKP	00 09 06		126.5 E 3.5 N	135°
	ePP	11 21			
	iP	06 12 52	c	43 N 143.5 E	
	eR	09 55 00		56 S 24 W	
16	iP	03 52 43.5	c	Kurile Isl.	
17	iP	11 54 49	c	Chile Argentina Border	
19	iP	10 05 47	NWC	7 N 71.5 W	35°
	iS	11 19			
	ePKP	11 32 01		Bismark Sea	
20	eR	08 05 10		Tonga Isl.	
21	iP	12 23 49	d		
22	iR	17 09 45		W.Montana	
25	eP	06 09 02	c	° N 83 W	
	eP	07 19 54	d	Hokkaido	
26	iP	02 08 19	d	Kamchatka	
27	eR	13 42 00			
	eR	18 56 20			
28	iP	10 07 20	c	42.5 N 143 E	
29	iP	19 54 23	d	Central Chile	

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BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE **Benioff 100k (long and short period) NEZ** **Bosch-Omori 25k NE**

PRELIMINARY BULLETIN

MAY 1952

Bulletin # 173

			Remarks	USCGS Epicenter		
01	iP	15 15 29	c	Aleutians		
01	eP	16 16 25		North Atlantic		
	eR	16 22 08				
03	eP	13 23 57		So.Coast of Peru		
04	eR	15 16 10		24.5 S 177.5 W		
06	iP	02 27 52	c	Aleutians		
06	eP	17 28 34		41.5 N 125 W		
	eR	41 00				
06	iP	22 53 59	c	Colima, Mo.		
	eR	47 20				
07	eR	16 35 35		51 N 131 W		
08	iP	01 12 28	c	35.5 N 140 E		
08	ePKP	21 30 04				
	ePP	32 20		2.5 N 127 E		135°
	ePKS	53 28				
09	eR	03 47 10		Kermadec Isl.		
09	iP	06 07 24	c	Alaska		
09	ePKP	18 06 40				
	ePP	08 27		6.5 S 155 E		125°
	eSS	25 00				
10	eR	09 45 30				
10	eR	19 57 20				
13	iP	19 58 30	d			
	ipP	58 57	d	10.5 N 85 W		33.5°
	ePP	59 54				
	eS	43 46				
14	iP	00 49 56	d	43 N 145.5 E		
	eR	01 24 40				
14	iP	21 17 35.5	d	16.5 N 86.5 W		29°
	eS	22 24				
15	eP	11 18 58		Aleutians		
15	eP	18 50 34	c	14 N 92.5 W		32°
	eS	56 54				
15	iP	21 17 32	d	No. Chile		
	ipP	17 57				
15	eP	21 48 04		Aleutians		

16	iP	05 48 49	d	14 N	92.5 W	35	
	i	49 11	d				
	eS	54 16					
16	10 59 07			16.5 N	96.5 W		
16	eP	16 28 42		43 N	144 E		
16	iP	20 52 47	c	6.5 N	79 W	36.5°	
	iPP	54 02					
	iS	58 29					
17	iP	06 34 09	d	Sea of Okhotsh			
17	eP	10 01 15		42.5 N	144.5 E		
	eR	34 50					
19	iP	18 45 22	c	43 N	144.5 E	89.4°	
	iS	56 12					
22	iP	11 29 16	c				
23	eR	00 06 50		29.5 N	131.5 E		
23	eR	05 24 20		33 N	136 E		
23	eP	22 23 59		20 N	156 W		
24	iP	02 09 38		21.5 S	71 W	62.4°	
	eS	18 02					
24	ePKP	16 25 16					
	ePP	27 56		W.Coast Sumatra		137°	
	eSS	46 23					
26	eR	03 46 20		Assam			
28	iP	08 12 08	d				
	epP	13 42		35.5 N	136 E	98°	
	ePP	16 05					
	eS	22 09					
31	eP	05 14 20					

John F. Devane, S.J.

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Wiechert 80k NE **Benioff 100k (long and short period) NEZ** **Bosch-Omori 25k NE**

PRELIMINARY BULLETIN

JUNE 1952 Bulletin # 174

02	eR	17 12 10					
02	iPKP	18 22 06	d	East coast Mindinao			
03	iP	12 30 53.5	d	8½ N	77 W		
	iPP	32 12					
03	iP	13 34 07	d	44½ N	143½ E		
04	iP	21 37 55.5	c	6 N	77½ W		
05	iP	06 03 44	c	6 N	77½ W		
06	iP	08 46 18	c	S.Kamchatka			
10	ePP	10 17 55	c	15½ S	178½ W	112°	
	eSS	m 33 51					
	R	50 11					
11	iP	00 43 13.4	d	32 S	67½ W	74.3°	
	iPP	46 00					
	eS	52 49					
11	iP	03 12 09	c	32 S	67½ W		
12	iP	11 11 38	c	SE coast of Crete			
	iPP						
14	iP	02 14 33.5	d	58 N	153½ W	51°	
	iPP	16 22					
16	iPKP	03 56 13.5	d	23 S	179½ W		
17	eP	04 22 44	c	21½ S	176 W		
17	iP	22 45 49	c	36½ N	11 W		
18	eP	01 05 13		16½ N	61½ W		
	ipP	05 40		h - 100 km			
	eS	10 20					
19	eP	12 27 11					
	eSS	48 10		23 N	100 E		
19	eR	21 53 50		42½ N	145 E		
21	iP	06 41 22	c	46 N	153½ E	84°	
	eS	51 42					
21	iP	16 41 55	c	18 S	72½ W		

June 1952

22	iP	04 16 12	d	1½ S	80½ W	
	eR	29 30				
22	iP	10 20 41	d	46 N	153½ E	83.4°
	eS	30 54				
	R	56 00				
22	ePKP	10 38 14	c	10 S	161 E	
22	eP	21 54 19	c	46 N	153½ E	83.4°
	iS	22 04 35	EN			
22	eP	22 12 31		46 N	153½ E	
22	eP	22 25 04		46 N	153½ E	
24	eR	04 15 10		14½ S	168½ W	
24	eP	16 41 28	c	46 N	153½ E	
28	iP	05 13 06	c	55½ N	165 E	
28	iP	16 34 35	c	16½ N	97½ W	
28	ePKP	19 25 19		Molucca Passage		
29	eP	08 15 18	c	52½ N	171½ W	
29	iP	10 03 10.5	d	8½ N	72½ W	
	ipP	03 44		h - 150 km		
29	eP	16 05 12		42 N	142 E	
29	eP	16 55 13	c	55½ N	162 E	
30	eP	06 13 54		Hokkaido		

F.J. Donohoe, S.J.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

JULY 1952 BULLETIN # 175

02	eP	17 08 43		Kamchatka		
03	iP	00 59 37	c	5½ N	78 W	
	eR	01 11 00				
05	eP	17 32 46		36½ N	71 E	
06	eP	06 21 26		mid-Atlantic		
07	iP	03 02 59	d	54 N	164 W	58.6°
	eS	11 03				
08	eP	01 11 41	d	42 N	131 E	
09	iP	18 22 24	d	7½ N	81 W	36°
	eS	28 02				
09	iP	20 43 55	c	7½ N	81 W	37°
	eS	49 39				
11	iP	04 43 42	d	N.Argentina		
12	iP	02 54 56	d	S.Ecuador		
13	iPKP	12 17 02	d	18½ S	169½ E	124°
	e	18 14				
	i	18 48	ZE			
	SKKS	25 18	E			
	i	30 20	EN			
	SS	35 12				
13	ePKP	17 53 49		5 S	128 E	137°
	ePKS	57 26				
	e	18 06 45				
	eSS	14 46				
	eR	40 50				
15	eP	06 12 59		14½ N	92½ W	34°
	eS	18 24				
16	eR	01 53 38		29½ N	113½ W	
17	iP	04 53 54	d			
17	eP	16 23 28	e	34½ N	136 E	99°
	ipP	23 47.5	d	h - 100 km		
	ePP	27 26				
	eSKS	34 00				
	eS	34 58				
	eSS	41 50				
18	eR	06 16 10				
18	iP	18 51 33.5	d	23 S	114½ W	77°
	eS	19 01 18				
18	eR	23 24 56				

July 1952

19	ePKP	01 17 41		47 N	78 W	
	iS1	19 10				
21	iP	11 59 31	c	35.1 N	118.9 W	38°
	PP	12 00 54				
	iS	05 24				
21	iP	19 48 36	c	aftershock		
	R	20 03 08				
23	iP	00 45 46	c	aftershock		
	iPP	47 08				
	G	54 20				
23	iP	01 06 01	c	14 N	91½ W	
23	eP	08 00 31		35 N	119 W	
23	eP	15 24 23		aftershock		
24	iP	09 20 30	d	North Chile		
24	iP	22 22 14	c	42½ N	145½ E	88.7°
	eS	32 58				
25	eP	19 17 00		Calif. aftershock		
	eS	23 52				
25	eP	19 50 37		Calif. aftershock		
27	eR	02 59 20		15½ S	173 W	
27	ePKP	08 41 13				
	ePP	42 21		20½ S	179 W	116°
	eSKS	47 18		h - 500 km		
	eS(?)	49 32				
	SP	51 20				
	SS	57 48				
29	iP	07 11 02	d	Calif. aftershock		
	eS	16 50				38°
29	eL	16 12 10				
29	iP	20 05 06	d	53½ N	175 W	
30	eP	03 44 39		45 N	150½ E	
31	iP	12 16 21	c	35½ N	118½ W	37.5°
	PP	17 42				
	eS	22 11				
31	iP	12 28 18	c	34 S	72½ W	

John F. Devane, S.J.

φ = 42° 23′ 00″ N
λ = 71° 19′ 20″ W

h = 65 meters
Gabbrodiorite.

WESTON, MASS.

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Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

August 1952 USCGS/EPICENTER Bulletin #176

01	iP	21 47 51	c			
03	iP	13 23 22	c	12½ S	78 W	
03	eP	16 46 46		Romania		
07	eR	18 51 56		35 N	119 W	
07	iP	22 06 50	d	43 N	144½ E	
10	iP	00 32 15	d	52½ N	173 W	
	i	32 38				
13	iP	09 40 14	c	Kamchatka		
13	eP	21 20 06		North Atlantic		
14	eP	21 51 34				
14	ePKP	23 34 46		6 S	155 E	
15	eP	19 31 42				
15	eP	23 34 05				
17	eR	05 40 30		19 S	65 E	
17	ePKP	11 07 57		6 S	155 E	
17	eP	16 16 24				
	ePP	20 35		30½ N	91½ E	106°
	eSP	29 57				
	eSS	35 45				
18	iP	13 16 54	c	Chile-Argentina		70.4°
	iS	25 47				
19	iP	00 01 02	d	Off coast of Mexico		
19	iP	14 08 54	c	16 N	60½ W	
20	iP	05 55 39.5	d	16 N	92 W	
20	iP	09 36 34	c	NW coast Puerto Rico		21.5°
	eS	40 22				
20	iP	13 32 42	d	43 N	127 W	41°
	iPP	34 20				
	iS	39 02				
21	iP	04 29 45	c	Coast of Crete		
21	eP	09 12 13				
21	eL	19 29 30		43½ N	127 W	

August 1952

22	eP	22 48 44		35.3 N	119 W	
23	iP	14 29 47	c	7 N	82 W	
24	iP	20 55 47	c	near Crete		
27	iP	11 57 26	c	55½ N	180 W	56°
	i	57 38	d			
	eS	45 12				
27	iP	17 06 18	d	18½ N	66½ W	22°
	eS	10 17				
27	iP	22 08 55	d	52½ N	170 W	
28	iP	11 02 23	c	55 N	160 W	56°
	i	02 35	d			
	eS	10 09				
28	eP	13 09 26		34 S	106 W	83°
	eS	19 48				
28	ePKP	14 40 55		Indian Ocean		
28	iP	13 29 27.5	c	15 N	91½ W	
29	ePKP	05 50 46				
	eR	06 32 50				
29	eP	13 25 25		Aleutians		
30	eP	15 00 55		52 N	41 W	
31	iP	16 22 39	d	42 N	142½ E	89.5°
	eS	35 28				

John F. Devere, S.J.

φ = 42° 23′ 00″ N
λ = 71° 19′ 20″ W

h = 65 meters
Gabbrodiorite.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE **Benioff 100k (long and short period) NEZ** **Bosch-Omori 25k NE**

PRELIMINARY BULLETIN

September 1952 USCGS Epicenter Bulletin # 17

05	iPKP	05 37 27	d	6 S	155 E	
07	iP	04 40 51	d	51½ N	173 W	
	eP	04 49 04				
	eP	05 21 16	d			
	iP	09 43 14	d			
09	iP	13 01 59	d			
	iPP	02 58		9 N	84½ W	35.2°
	iS	07 12				
11	eP	05 35 18		9 N	85½ W	
	ePKP	22 22 53		Celebes Sea		
	ePP	25 13				
15	iP	11 13 29	c	Chile Argentina		
18	eP	06 17 32				
	eP	06 21 04				
21	iP	02 40 47.5	c	22½ S	65 W	64.5°
	ipP	41 51		h - 250 km		
	iS	49 04				
	iP	23 06 52	c			
22	iP	09 36 35		55½ N	162½ E	
	eP	11 49 18		40½ N	124 W	
23	iP	02 17 49	d	Argentina		
24	eP	17 47 55	d	7 S	75 W	
	iP	20 36 45.5	d	56½ N	157 W	54°
	i	39 05		h - 100 km		
	eS	46 19				
25	iP	09 02 55	c	44½ N	28 W	
27	iP	03 44 15	d	Aleutians		
	iP	19 17 39.5	c	50½ N	157 E	78°
	eS	27 28				
28	eR	02 43 40		58½ N	137 W	
30	eSKS	15 17 04				
	ePS	20 24		28½ N	102 E	
	eSS	26 20				
	eR	46 00				

John F. Devane, S.J.

φ = 42° 23′ 00″ N
λ = 71° 19′ 20″ W

h = 65 meters
Gabbrodiorite.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

October 1952 USCGS Epicenter Bulletin #176

02	iP	05 22 11.6	d	45 N	143 E	
	eP	12 29 22				
	eS	33 21		West Indies		21.5°
04	eR	04 39 46				
05	iP	11 05 53	d	W coast of Greece		
06	iP	14 13 24.5	c	Central Peru		
	eP	22 41 15	d	53½ N	161 E	
10	eR	19 36 10		50½ N	69 E	
	eP	21 59 14		N.Alaska		
13	iP	20 57 25.5	d			
	ePKP	23 43 03		34 S 34 S	178 W	
14	iP_n	22 05 06.6		48 N	70 W	
	iS_n	08 14.4				
15	iP	19 16 56	d	43 N	145½ E	
16	iP	10 00 54	c	41½ N	142 E	
18	ePP	05 43 12		16 S	168 E	
	eSS	06 00 53				
	eR	20 00				
	iP	12 04 43	d	13 N	46 W	36°
	ePP	05 56				
	eS	10 26				
	iR	14 40				
	eR	21 30 10		16 S	173 W	
20	iP	01 08 32	d	57 N	57 W	16.5°
	eS	11 24				
	iP	16 29 41.5	d	Kamchatka		
21	eP	02 33 50		9½ N	84½ W	
	eR	06 58 06				
22	iP	04 26 23	c	Aegean Sea		
	iP	17 11 26	c	S.Turkey		
	iP	19 53 33	c	32 N	113½ W	
26	eP	16 00 15	d	39 N	143 E	
	eP	16 06 17	c			
	eP	18 15 15	c	39 N	143 E	
	eP	19 32 31	c	38½ N	143½ E	
27	iP	03 30 57	c	39 N	143 E	
28	iP	04 35 09	d	19½ N	75½ W	24°
	eS	39 24				
	iP	06 44 26	d	40 N	144 E	

λ = 71° 19′ 20″ W

h = 65 meters
Gabbrodiorite.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

Bulletin # 179

Preliminary Bulletin

November 1952 USCGS Epicenter

01	eR	00 49 54				
02	iP	00 14 56				
	eR	00 31 56				
04	iP	17 19 09	d	53½ N	159 E	80°
	iS	20 17				
	iSS	25 28				
	iP	17 48 20				
	iP	17 51 29.5	d			
	iP	18 40 20	d	52½ N	160 E	
	i	40 40				
	iP	19 02 52	d			
	iP	19 31 29	c			
	i	31 42				
	iP	19 44 07	d			
	i	44 22				
	iP	19 52 29	d	62½ N	169½ E	
	i	52 41				
	iP	21 00 47	d	50 N	167 E	
	i	01 01				
	iP	21 09 18	c			
	iP	21 12 39	c	53½ N	153½ E	
	i	13 55				
	iP	21 43 05	c			
	iP	21 53 04	d			
	iP	22 04 51	d			
	i	06 21				
	i	06 39				
	iP	22 24 41	d			
	i	29 50.5	c			
	i	31 07	d			
	eS	34 30				
	eSS	39 15				
	iP	22 43 58	c			
	eR	22 47 55				
	iP	23 49 01.5	d			
	iP	23 06 31	c			
	iP	23 41 00.5	d			
	i	41 09				
	iP	23 53 19	c			
05	iP	00 01 26.5	c			
	iP	00 28 20	c			
	iP	33 28	c			
	iP	00 56 04	c			
	iP	02 32 01	c	50½ N	157 E	77.6°
	i	32 17				
	eS	41 54				
	eSS	45 50				
	i	50 51				
	eR	03 00 08				
	iP	03 41 37	c	51 N	159 E	77.6°
	i	41 45				
	i	41 59				
	i	45 56				
	eS	51 32				

November 1953

05	i	04 28 58	c				
	i	04 53 24	c				
	i	05 00 46	c				
	i	05 02 24	c				
	iP	06 09 56	c	49 N	156 E	78.9	
	i	10 09					
	eS	06 20 00					
	eR	06 37 20					
	iP	07 18 07	d				
	i	18 21					
	iP	07 25 11	c				
	i	25 35					
	iP	07 51 27	d				
	i	51 38					
	iP	08 34 56	c				
	i	34 58					
	iP	08 50 18	c				
	i	50 29					
	iP	09 16 48	c				
	i	17 00					
	i	23 21					
	iP	09 41 54	d				
	iP	11 46 30	c	51½ N	159 E		
	i	46 44					
	iP	11 58 38	c	50 N	157 E		
	i	58 53					
	iP	13 18 14	d	50 N	159½ E	74.6°	
	i	18 26					
	iS	27 53					
	eSS	32 37					
	eR	44 10					
	iP	14 22 54	d				
	i	23 07					
	i	15 00 05					
	iP	00 46	d	50 N	156½ E		
	i	00 58					
	iP	15 13 54	d				
	iP	15 19 09	c				
	iP	15 47 32	c				
	iP	16 46 54	d				
	iP	16 54 07	d				
	i	54 20.5					
	iP	17 50 01	d				
	eP	19 20 05					
	iP	19 24 25	d	53½ N	161½ E		
	iP	19 47 10	c				
	i	47 22					
	iP	20 42 51	c	49 N	159 E		
	i	42 41					
	iP	21 20 56	c				
	iP	21 58 05	dq	49½ N	157 E		
	iP	23 06 11	d				
	eP	23 57 55					
	eS	23 37 16					
06	iP	01 10 20					
	eP	01 10 55					
	iP	02 35 57	c				
	i	35 48					
	iP	02 39 31	d				
	iP	04 06 22	d	50 N	158½ E		
	i	06 35					
	iP	05 08 32	c				
	iP	05 54 59	c				
	iP	06 00 53	c				
	iP	07 10 20	c				
	i	10 50					

November 1958

06	iP	11 03 01	c	58 N	159½ E	
	iP	19 57 50	d	61½ N	159½ E	
	iPKP	20 06 26	c	55 S	145½ E	
	iPP	06 52				
	ePKS	09 19				
	ePS	19 07				
	eR	54 55				
07	iP	04 07 16	d			
	iP	06 37 48	d			
	iP	13 20 56	d			
	iP	13 55 30	c	52 N	161 E	
	iP	14 20 52.5	c	42 N	157 E	77°
	eS	30 26				
	eR	48 05				
	iP	15 52 55	d			
	iP	21 02 10	c	56 N	110½ W	55.5°
	eS	07 46				
	eR	13 55				
	iP	22 18 42	d	47 N	155 E	
	eL	50 45				
08	eL	00 11 40				
	iP	19 45 52	d	49½ N	156 E	77°
	eS	55 29				
	eL	20 15 48				
	iP	20 27 05				
	iP	22 29 30	d			
09	iP	00 34 30	c	48½ N	155½ E	
	iP	01 29 26	c	58½ N	160 E	
	iP	01 50 59	d			
	iP	04 45 15	c	49 N	158 E	
	eP	05 10 56				
	iP	05 18 11	c	58½ N	159½ E	
	iP	05 44 21	c	49½ N	156½ E	
	i	44 39				
	iP	06 09 01	d	49 N	157 E	
	i	09 13				
	iP	12 54 58	d			
	iP	15 20 29	c			
	iP	13 54 40	c			
	iP	15 43 46	c	45 N	151½ E	
	iP	20 54 10.5	c			
1						
10	iP	00 46 35	d			
	iP	02 07 01.5	d			
	iP	20 58 23	c	55½ N	160 E	
	i	58 32				
	iP	22 05 58	c			
	eP	23 42 05				
11	iP	01 22 01	c			
	i	22 13				
	iP	08 27 55	c			
	i	31 14				
	iP	12 08 05	c			
	iP	14 22 26	c			
	iP	19 32 55.5	c			
12	iP	08 15 49	c			
	iP	16 10 07	d			
	iP	20 11 25	d			
13	iP	08 10 48	c	50½ N	157 E	77.8°
	eS	20 29				
	eSS	25 53				
	eR	37 59				
	iP	22 37 57	d	50 N	158 E	
	i	37 49				

November 1962

14	iP	05 02 16	c			
	i	02 39				
	iP	05 11 05	c	30½ N	73 W	21.2°
	eS	24 51				
	iP	11 49 33	c	6 S	77 W	
15	iP	05 11 43	c			
	e	20 11				
	eR	34 51				
16	iP	01 59 57	c	50½N	157 E	
	iP	04 22 34	c			
	eP	07 57 59				
	eL	08 32 30				
18	iP	08 25 34	d	49½ N	156½ E	
	i	25 46				
	iP	08 54 38.5	c	50½ N	156 E	
	i	54 49.5				
20	iP	05 35 16	d			
	iP	15 45 54	d	12½ N	88 W	33.4°
	iS	49 16				
	eR	53 37				
21	iP	03 40 03.5	d			
	i	40 14				
	iP	06 16 01	d	13 N	68 W	20.2
	eS	19 50				
	eT	37 41				
	iP	07 53 11	c			
	iP	07 57 28	c			
	iP	13 45 41	d	20 N	63 W	
	eP	17 33 16		66 N	166 W	
	eR	54 59				
	i	55 49				
22	eL	08 04 40		35.3N	121.1 W	
24	iP	21 47 32	d			
	iP	22 27 31	c			
26	iP	00 18 38	d			
	eS	25 05				
	e(T)	36 30				
	iP	13 57 01	c	55 N	160 W	
27	eP	04 42 37				
	iP	07 42 38.5	d			
	iP	15 39 19.5	d			
28	eP	01 20 01	c			
	iP	08 17 21	d			
	eL	44 00				
	ePKP	21 20 21		6½ S	155½ E	
	eL	22 00 28				
29	iP	08 34 23	c	53 N	160 E	
	eS	43 55				
	eSS	48 36				
	eR	09 00 42				
	eP	23 55 41	c	56 N	155 W	
30	eS	00 03 06				
	eScS	05 28				
	eSS	06 58				
	iP	06 44 27	c	56½ N	154 W	
	i	44 55				
	iP	18 43 31	d			
	iP	19 40 32	c			

George W. Nolan, S.J.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

Bulletin # 160

PRELIMINARY BULLETIN

December 1952

					USCGS Epicenter		
03	eL	10	36	17			
	eP	11	11	34	c		
	i		11	47			
	iP	22	37	27.5	d		
04	iP	04	02	27	c	52 N	178 E	68.1°
	iPP		04	59			
	eS		11	14			
	eR		24	01			
	iP	11	01	41.5	c	49 N	157 E	
05	eP	00	59	20.5	d	N. coast Dom. Repb.		81.5°
	eS	01	03	12				
	eT		20	07				
	iP	07	06	29.5	d			
06	i	10	59	39	c	8 S	157 E	124.6°
	iPKP	11	00	47				
	e		02	20				
	eSS		19	25				
	eR	21	50	09		A. S.		
07	iP	01	01	27	d	53 N	172½ E	69.6°
	i		01	32.5				
	eS		10	36				
08	eP	04	00	45	d			
10	eP	03	07	04	d			
	i		07	16				
	eP	05	54	20	c			
	iP	06	06	04	d	71 N	7 W	43.4°
11	eP	01	39	06		19 N	70 W	
	iP	09	10	27	c	49 N	155 E	79.6°
	i		10	38				
	ePP		13	27				
	eS		20	29				
12	iP	00	57	09	c	56½ N	154 W	
	i		57	16				
	eR	01	16	51				
14	iP	05	08	58.5	c			
	iP	07	28	12				
	i		28	28				
	iP	10	48	51.5	d	19 N	69 W	25.1°
	eS		47	58				
	eT	11	04	42				
	eP	11	02	25	c	9 N	83 W	

December 1952

15	iPKP	16 57 51.5	d	66	156 E	
17	iP	23 18 20.5	c	34½ N	24 E	
	eS	24 38				
	eR	29 43				
18	iP	09 32 07	c	33½ N	162 E	
	eL	10 08 34				
	iP	22 33 00.5	c	51 N	179 W	
19	iP	07 06 11	c			
20	iP	04 17 31.5	c	15 S	175 W	
21	ePKP	01 31 03		Bismark Sea		
	ePKP	06 10 43		Banda Sea		
	eR	07 03 55				
22	iP	22 36 21.5	d	54 N	16½ E	73.8°
	i	36 54				
	eS	22 45 51				
	eR	23 02 40				
23	iP	23 13 46	d			
24	iPKP	08 52 33	d	5½ S	151½ E	
	i	52 49		Foreshock - 18:58:43		
	eR	09 37 40				
	iP	16 01 36	c	50 N	155½ E	
	i	01 50				
	iPKP	18 58 43	d	5½ S	151½ E	
	ePP	19 00 29				
	e	13 30				
	e	18 02				
	iPKP	21 56 16	d	6½ S	151½ E	
25	ePKP	02 47 57				
	eL	03 33 44				
	eL	04 25 52				
	eP	04 31 28				
	eL	23 11 40				
27	iP	00 05 52	d			
	iP	01 57 40	c	53 N	160 E	
	eL	02 05 53				
	eL	17 27 06				
28	iP	05 04 39	c	65½ N	167½ W	
	eL	23 50				
	iPKP	15 20 45.5	c	6 N	127 E	
	eL	16 01 25				
29	iP	02 21 21	d	49 N	158 E	
30	iP	12 15 51	c	10½ N	84 W	31°
	eS	18 59				
	eR	21 55				
31	iP	01 44 50	d	12 N	59 W	
	iP	15 00 06	d	Ho. coast Crete		
	iP	17 30 09	c	do.		
	iP	19 59 29.5	c			21.4°
	iS	20 03 20				
	eT	20 29				
	iP	21 56 00	d	49 N	156 E	
	e	06 16				
	eL	29 55				

George W. Nolan, S.J.