

$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

$h = 65$ meters
Gabbrodiorite.



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

PRELIMINARY BULLETIN

JANUARY 1951

BULLETIN # 157

02	iP i	23 20 59.5 22 02	USCGS: 11 S 79 W h - 200 km	P-H	53.4°
05	iP	12 28 50.5	USCGS: 18E 106 W	(P-H)	37.9°
05	iP	13 11 42.5	USCGS: 18 N 106 W	(P-H)	37.8°
05	iP i	00 59 38 59 57.5	USCGS: 7 N 81 W h - 100 km	(P-H)	38.2°
06	iP icP eS i	05 30 16 31 12 41 20 45 56	USCGS: 36½ N 70½ E h - 250 km		94°
06	iP icP eS esS	07 58 30 58 52 08 04 14 05 21	USCGS: 7½ N 81 W h - 100 km		36°
06	eP	15 05 48	USCGS: 7½ N 81 W	(P-H)	36°
09	eP	16 10 12	USCGS: 81 N 122 E	(P-H)	56.8°
10	eP' eR	08 46 01.5 09 27 50	USCGS: 23 S 176 W h - 100 km	(P'-H)	116°
10	eL	11 13 20	USCGS: 29 S 177½ W		
10	iP eL	19 14 56 37 50	USCGS: Aleutians h - 100 km.	(P-H)	69°
14	eP' eR	10 58 12 11 19 00	USCGS: 23 S 176 W h - 100 km.	(P'-H)	116°
15	eP' e eSS	04 30 59 31 23 50 54	USCGS: 15 S 167 E h - 150 km	(P'-H)	122.5°
18	eP eL	21 26 56 46 20	USCGS: 52 N 177 W	(P-H)	65.5°
19 #10	iP eL	01 47 19 57 00	USCGS: 13 N 98 W h - 100 km	(P-H)	33°
21	eL	13 02 00			
22	eL	13 20 30	USCGS: 17½ S 41 E		
23	eP eG	07 09 07 21 36	USCGS: Southwest Alaska h - 100 km.	(P-H)	51.8°

JANUARY 1951



24	eP s eR	05 03 18 24 02 41 30	USCGS: Sandwich Isl.	(P-H)	100°
24	eP iL	07 24 05 35 54	USCGS: 33 N 115½ W	(P-H)	36°
25	iP	12 23 28	USCGS: Northern Chile	(P-H)	65.7°
25	eP'	15 13 12	USCGS: 18 S 179 W h - 600 km.	(P'-H)	117°
26	iP ₁ iS ₁	03 28 10.7 28 28.3	41°32.8' N 72°26.8' W H = 03 27 42.9		132 km
27	iP	00 47 51.2	USCGS: Argentina h - 500 km.	(P-H)	83.6°
29	eL	06 08 10	USCGS: 43 N 123 W		
29	iP	10 34 09	USCGS: 15½ N 92 W	(P-H)	30°
30	eP eS	19 07 18 13 10	USCGS: 15½ N 99 W		34°
30	iP	23 19 30	USCGS: 34 N 33 E	(P-H)	77.6°

John F. Devane, S.J.

$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

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h = 65 meters
Gabbrodiorite.



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

COPY

MAR 29 1951

PRELIMINARY BULLETIN

FEBRUARY 1951

BULLETIN # 159

06	iP	06 15 20	USCGS	east coast of Alaska	52.6°
10	eL	04 31 55			
10	eP	04 50 55	USCGS	43 $\frac{1}{2}$ ° N 146° E (P-H)	88°
	i	51 21		h - 100 km	
10	eP	15 17 31	USCGS: Dominican Republic		21.6°
	eS	21 30			
10	iP	15 35 26			
12	iP	03 42 36	USCGS	52° N 179° E (P-H)	62°
12	eP	16 19 50		West Indies	23.7°
	eS	24 03			
12	iP	17 33 17			
15	eR	06 38 20			
13	eP	08 56 50	USCGS	13° N 91° W (P-H)	34°
13	ePP	12 14 33			
	iSP	23 36	USCGS	15° S 175° W	110°
	iPKKP	24 54			
13	iP	22 22 19			
	eS	29 52			53.5°
17	e	21 25 52			
	iP+	26 02			
	iP+	28 21	USCGS	7° S 146° E	132°
	iSKP	29 11		h - 100 km	
	iSKKP	36 25			
19	eP	22 24 06	USCGS	25° S 117° W	80°
	eS	34 01			
20	eL	16 02 05	22° S	114° W	
21	eP	07 38 15			
	eL	08 22 25			
21	iP	17 52 22.5	USCGS	Dominican Republic (P-H)	26°
21	iP	20 45 48.5			
	i	46 13	USCGS	19.5° N 69° W	24°
	eS	50 10.5		h - 100 km.	
22	eP	12 07 09	USCGS	Argentina-Chile Border	64°
27	eL	19 00 16			

John F. Devens, S.J.

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Gabbrodiorite.

WESTON, MASS.

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of the Weston College Seismological Observatory



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

PRELIMINARY BULLETIN

MARCH 1951

BULLETIN #159

02	iP eR	01 39 15 46 20	USCGS	53 N	35 W	27°
04	iP i iPP	11 27 12 27 36 29 48	USCGS	16 S	74 W	30°
05	iP	00 57 04	USCGS	Guatemala		
05	iP	14 55 39	USCGS	53 N	163 W	
05	eP ePP eSS	20 25 49 30 16 45 15	USCGS	29 W	128 E h ~ 150 km	107.5°
06	iP+ eR	15 31 10.3 16 12 40	USCGS	6 S	154 E	
09	e iP+ eSS eR	20 04 41 04 54 25 40 50 40	USCGS	8 S	124½ E	145°
#33						
10	eP	10 47 35	USCGS	38 N	5 W	
10	iP+ e eSS eQ	22 16 14.5 23 36 34 53 49 10	USCGS	15½ S	167½ E	125°
11	iP	09 17 41	USCGS	Peru		
13	iP	00 30 10	USCGS	Central Peru		
16	eP eS	17 46 06 52 10		West Indies		22°
16	iP	19 45 47.5	USCGS	52½ N	167½ W	
17	eR	05 25 50	USCGS	32 N	97 E	
19	eP	03 13 25	USCGS	35½ N	35 W	
19	eP	10 29 10	USCGS	21½ S	35 E	
19	iP eSS eR	20 40 23.5 57 50 21 06 10	USCGS	57 N	160 E	72.6°
#35						
21	eP	16 31 11	USCGS	Aleutians		



122°

International
Seismological
Centre

23 iP' 21 57 18.5
 eSS 22 15 32
 eQ 51 10

USCGS 31 S 180
 h - 300 km

#37 24 iP' 00 36 17
 e 42 21

USCGS 11 S 166 E

#38 24 iP 20 59 06
 eS 21 04 18
 eR 08 30

USCGS 13 N 88 W
 h - 100 km

53°

26 eP 11 13 30
 eS 17 25

West Indies

21.2°

27 eL 12 19 50

28 eP' 02 12 40
 e 15 28

USCGS 35 S 178 E

28 eP' 10 19 57
 eL 53 20

USCGS 17½ S 167 E

29 eP 06 07 29
 i 07 52

USCGS 41 S 73 W
 h - 100 km

29 eP 06 23 44

USCGS Siberia

30 eP 07 44 23
 eS 48 17

West Indies

21.8°

31 iP 09 29 13.5
 i 29 55.5

USCGS 60½ N 154 W
 h - 250 km

John F. Devane, S.J.

$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W



WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

APRIL 1951

BULLETIN #160

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

01	eP	20 57 57	USCGS	42 S	90 W	84°
#42 02	iP	00 23 14.5	USCGS	13 N	90 W	34.8°
	eS	25 45				
06	iP	23 06 17.5	USCGS	42 N	142 E	85°
#44 08	iP	21 50 02	USCGS	37 N	35 E	75°
10	eQ	11 47 00	USCGS	15 S	173½ W	
13	iP'	10 34 24	USCGS	10 S	119 E	150°
15	eP	12 52 28		West Indies		22.2°
	eS	56 27				
#48 14	iP	00 55 51	USCGS	24 S	68½ W	66.8°
	e	58 36		h - 250 km		
	eS	01 04 16				
14	eL	05 03 20				
#49 14	iP	13 44 36	USCGS	61 N	136 E	74.4°
	eS	54 08				
15	eL	00 37 50	USCGS	Assam		
16	iP	20 44 44	USCGS:	Kamchatka		76°
#52 22	iP	12 42 59.5	USCGS	76 N	73 W	32.4°
23	iP'	07 09 19				
	iP'	09 56	USCGS	New Zealand		129°
	LSKP	12 32				
26	iP	20 45 44		West Indies		29°
	eS	50 38				
#66 30	eP'	15 47 13	USCGS	8 S	153 E	128°
	eR	16 31 45				

Frank A. Crowley

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$h = 65$ 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

MAY 1951

BULLETIN # 161

01	eP	05 20 35			
#58	iP	22 34	USCGS:	50.5 S 149 E	152°
	eR	06 13 40			
02	eP	16 37 03			
#59	eL	17 30 40	USCGS:	42 S 80 E	163°
03	eP	04 14 31			
#60	e	15 00	USCGS:	15.5 N 61 W	27°
	eS	19 57		h - 150 km	
03	eP	20 33 54	USCGS	38.5 N 120 W	
04	eP	12 05 39			
#61	i	06 37	USCGS	44 N 142 E	86°
	eS	15 45		h - 250 km	
04	eP	19 35 57	USCGS	7 N 34 W	
06	eP	21 49 08	USCGS	11 N 85.5 W	
#62	eL	22 01 30			
06	eP	23 09 56	USCGS	13.5 N 88 W	
	e	10 27		h - 150 km	
#63	06	23 14 24	USCGS	13.5 N 88 W	
	e	14 54		h - 150 km	
07	iP	20 28 57.5	USCGS	13.5 W 88 W	
	eL	38 10		h - 150 km	
08	eP	20 09 46	USCGS	7.5 S 80 W	
	eL	24 00		h - 200 km.	
10	eL	10 13 40	USCGS	21 S 33 E	
#64	10	19 55 49	USCGS	51 N 180	
	10	21 44 43	USCGS	34 S 72 W	
13	eP	10 05 12			
	i	31	USCGS	West Indies	22°
	eS	09 06			
14	iP	02 52 29	USCGS	Alaska	
	i	52 49			
	eL	05 02 10	USCGS	30 N 70 E	
	eP	13 09 26	USCGS	9 N 86 W	
15	iP	05 29 04			
	i	29 25	USCGS	21 S 69.5 W	65°
	eS	37 28		h - 100 km	

#72	15	iP	23 04 03.5	USCGS	45 N	9 E	
#73	16	iP	13 32 45	USCGS	15 S	69.5 W	
#74	19	iP	16 03 21	USCGS	38 N	4 W	
	19	iP	16 36 14				
	20	eL	04 21 50	USCGS	Costa Rica		
	20	iP	07 27 34				
	20	eL	14 59 50				
	20	eP	15 46 19				
		eL	16 47 50				
	20	eP	19 21 12				
	21	eL	05 01 50				
	21	iP'	08 46 09				
		iP'	46 49				
		ePP	47 56	USCGS	6 S	154.5 E	125°
		eSKKP	59 28		h - 150 km		
		eG	09 13 55				
	25	eP	20 52 02	USCGS	43 N	15 E	
	26	iP	04 19 27	USCGS	51 N	173 W	
	26	eP	06 20 04				
	26	eP	11 18 11	USCGS	Greece		
	26	eL	21 54 15				
	27	eP	04 36 54	USCGS	23.5 N	45 W	
	27	eP	11 33 39				
	27	eP	12 32 28				
		eS	56 15		West Indies		20.2°
	28	iP	17 54 02	USCGS	Argentina		
	29	eP'	06 22 09				
		ePKS	25 40	USCGS	5 S	138.5 E	133°
		eSS	42 18				
		eR	07 04 20				
	30	iP	01 05 24	USCGS	52 N	178.5 W	
	30	eP'	19 30 31	USCGS	Solomon Isl.		
	30	eP'	20 16 20				
		ePKS	20 04	USCGS	3 S	126.5 E	137°
		eSS	37 42				
	31	eP'	21 14 38				
		eL	51 50				

John F. Devane 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

JUNE 1951

BULLETIN # 162

#84	01	iP e	20 12 36 13 01	USCGS 52.5 N 172 W h - 100 km	
		iP e	20 15 12 15 39	USCGS aftershock	
#86	02	eP ePP	07 07 06 09 15	USCGS 7 N 117 E	
#86	05	eP	01 41 06	USCGS 9.5 N 86 W	
#87	05	eP ePP eSKS	17 11 45 15 56 22 46	USCGS 50 N 132 E h - 100 km	100°
#88	06	eP iP ePP eS eSS	16 13 37 18 43 20 22 25 06 28 02	USCGS 71.5 N 8 W	42°
	08	eR	00 03 56	USCGS 27.5 S 176 W	
	09	eP eS	11 34 54 45 36	USCGS Western Iran	87.6°
	10	iP iS	17 20 54.1 21 06.4	near Narragansett Bay, Rhode Island	98 km
#90	13	iP eS	01 11 46 16 29	USCGS 19.5 N 63 W	27.6°
#92	17	eP eS eR	09 48 09 54 29 10 01 52	USCGS 44.5 N 130 W	41.5°
	17	eP	18 09 44	USCGS S. Bolivia	
#93	18	iP	13 37 35	USCGS 33 S 70.5 W	
#94	18	iP iPP eS	17 51 04 51 26 56 24	USCGS 11 N 85 W h - 100 km	34°

#95 20 e 18 50 18

24 eP 01 53 43 USCGS 8.5 S 80 W

#96

24 eP 02 36 58 USCGS 14 S 76.5 W

#97

24 iP 05 00 54

iP' 17 08 45 USCGS 5 S 154 E

25 iP 05 27 45 USCGS 56 N 154 W

#99

eP' 16 01 27 USCGS: Kermadec Isl.

25 iP 16 21 10 USCGS 61 N 150 W
ipP 21 32 h - 100 km
G 37 50

#100

27 eP 15 20 22
eS 22 08

#102

28 eP 01 05 51
eS 07 10

28 iP 03 47 54
i 46 21

28 eP 04 10 54 USCGS 52 N 175.5 W

29 iP 03 55 01
eS 59 01

21.3°

John F. Devane, S.J.

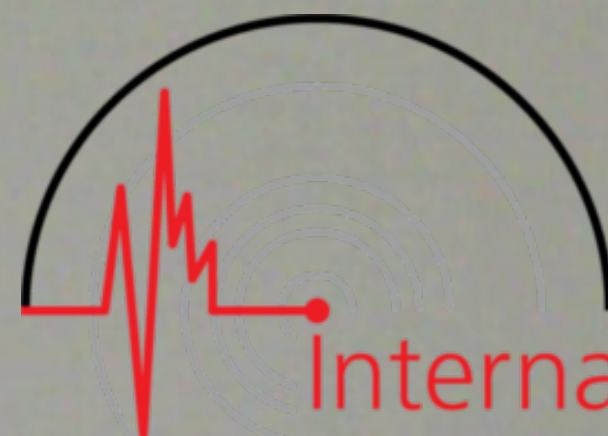
$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

$h = 65$ meters
Gabbrodiorite.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory



International
Seismological
Centre

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

PRELIMINARY BULLETIN

JULY 1951

BULLETIN # 163

02 eP 05 25 25

02 eP 07 46 51
eS 50 55

West Indies

22.3°

03 eP 00 28 21

03 eP 11 34 26

USCGS Peru

04 eP 02 38 13

USCGS Aleutians

08 iP' 06 03 24
ePP 05 04
eSKS 10 52

USCGS 11 N 122 E

127°

#108 08 eP 11 06 51

USCGS 12 N 86 W

#109 08 iP 23 40 58.5

USCGS 53 N 167 W

#110 08 iP 00 10 33.5

USCGS 16 N 96 W

#111 09 eP 01 44 27

USCGS 52½ N 139 E

#112 09 iP 13 07 12
i 40

USCGS 52 N 178 E

#115 11 eP 18 35 13
e 37 03
ePP 39 31
eSKS 44 55
iSP 47 52
ePKKP 50 53

USCGS 28½ N 139½ E
h - 500 km

11 eP 18 54 53

USCGS Chile

11 iP 23 49 19
i 49 41
iS 53 55

USCGS 18 N 69½ W

24°

13 eP' 20 13 12
eL 54 30

USCGS 7 S 156 E

#118 14 eP 07 30 32

USCGS 47 N 154½ E

14 eP 22 22 23

USCGS 28 S 70 W

16 eP 09 22 13
eS 26 14

West Indies

21.8°

16 iP' 10 59 21
iPP 11 01 37
iPKS 02 34

USCGS 6 S 146 E

131°

#119 18 iP ~~11~~ 16 06
eS 09 24 02

USCGS 1 N 27 W

57.6°

#123

#124	19	iP	20 52 13	USCGS	51½ N	177½ W
		eR	21 16 36			
		iP	21 17 55			aftershock
		iP	23 58 39			aftershock
	20	eP	00 43 30	USCGS	Adak	
	20	eP	04 35 21	USCGS	S. Alaska	
	22	eP	03 20 11	USCGS	50 N	177 W
#125	22	iP	09 11 53	USCGS	51 N	178½ W
	23	eP	04 42 25	USCGS	45 N	149 E
	23	iP	20 16 45	USCGS	Kamchatka	
#127	24	eP	17 52 51	USCGS	18½ N	101½ W
	25	eP	10 53 55	USCGS	47 N	27 W
		iP	17 26 07	USCGS	43½ N	144 E
#129		iP	18 48 45.5	USCGS	14 N	90½ W
#130	26	eP	10 13 02	USCGS	41 N	143 E
		eR	44 50			
	27	iP	00 22 22			
		i	25 42			
	29	eP'	23 52 01			
		ePP	54 57			
		eL	00 38 20			
	30	eP	04 55 24			
		i	38 32			
	30	eL	17 12 10			
	31	eP	10 08 24	USCGS	Hokkaido	
	31	iP	13 48 05			
		i	48 39.5			

John F. Devane, S.J.

$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

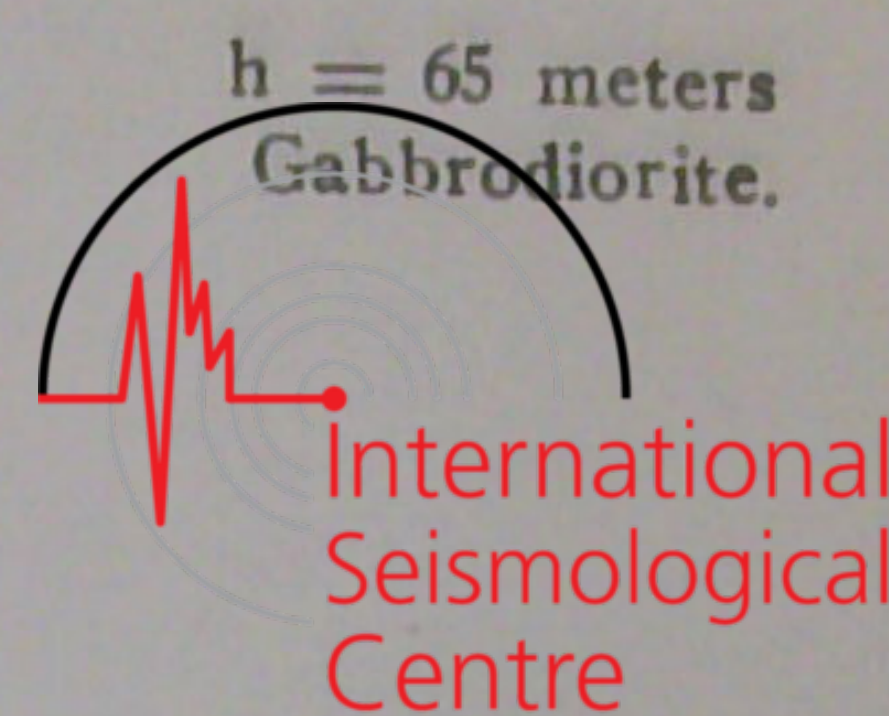
Bosch-Omori 25k NE

PRELIMINARY BULLETIN

AUGUST 1951

Bulletin # 164

#135	01	eP eS	03 30 19.5 36 30	USCGS	3 N 84 W h - 100 km	42.2°
#136	02	iP' ePP	03 58 34 04 00 25	USCGS	4 S 154½ E h - 500 km	124°
	02	eL	11 00 12			
#137	02	eP epP eS	20 36 44 37 12 42 01	USCGS	13 N 87½ W	31.5°
#137b	03	iP ipP eS	00 30 25.5 30 57 35 42	USCGS	13 N 87½ W h - 100 km	31.5°
#137c	03	eP eS	05 32 13 37 27	USCGS	13 N 87½ W	31.5°
	03	eL	17 01 30			
	06	eP	07 41 12	USCGS	Sea of Japan	
#138	06	eP	08 15 29	USCGS	13 N 87½ W	
#139	06	iP'	15 29 49	USCGS	6 S 152 E	
	06	eP	17 02 41	USCGS	Colima, Mexico	
#140	08	eL	22 52 20			
	10	iP	00 15 07	USCGS	14 S 77½ W	
	10	eP eS	05 40 44 47 04	USCGS	8½ N 40 W	43.6°
#141	10	iP	23 12 34	USCGS	46 N 143½ E	
#143	11	iP	10 05 49	USCGS	55 N 163 E	
#144	12	eP' ePP	21 29 14 31 30	USCGS	3½ S 141 E	132°
#144	12	eP	22 13 20			
	13	eP iP eS eSS	18 44 59 45 04 54 26 59 00	USCGS	43 N 32½ E	71.8°
#145	16	iP	19 54 28			
	17	eL	00 46 30	USCGS	Iran	



	18	eP'	03 58 42	USCGS	Gilolo Isl	
	20	eP	05 57 04	USCGS	23 $\frac{1}{2}$ N	108 W
#146		eS	06 03 42			36.4°
	20	eP	09 01 03.5	USCGS	19 N	69 W
#147		eS	04 59			21.2°
	21	iP	11 08 31			
#148		eS	18 01	USCGS	19 $\frac{3}{4}$ N	156 W
		iPS	18 45			73°
	22	iP	05 48 15.5	USCGS	10 N	83 W
#149		eR	06 00 10			
	23	iP	01 13 19	USCGS	Aleutians	
		i	13 54			
	24	eP	10 38 27	USCGS	37 N	32 E
		i	38 59		h - 100 km	
	24	iP	14 33 46			
#150		i	34 30	USCGS	47 N	151 E
		eS	43 52			82°
	25	eL	11 00 30	USCGS	Mexico	
	25	eL	11 53 40			
#151	26	iP	18 45 28			
	27	iP	01 38 14		West Indies	20.9°
		eS	42 06			
	27	eP	21 26 50		West Indies	20.4°
		eS	30 38			
#153	28	eP'	16 49 03	USCGS	Kermadec	
	31	eP	12 40 50	USCGS	36 $\frac{1}{2}$ N	23 E
	31	eP	20 29 49			

John T. Devane, S.J.

$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

WESTON, MASS.

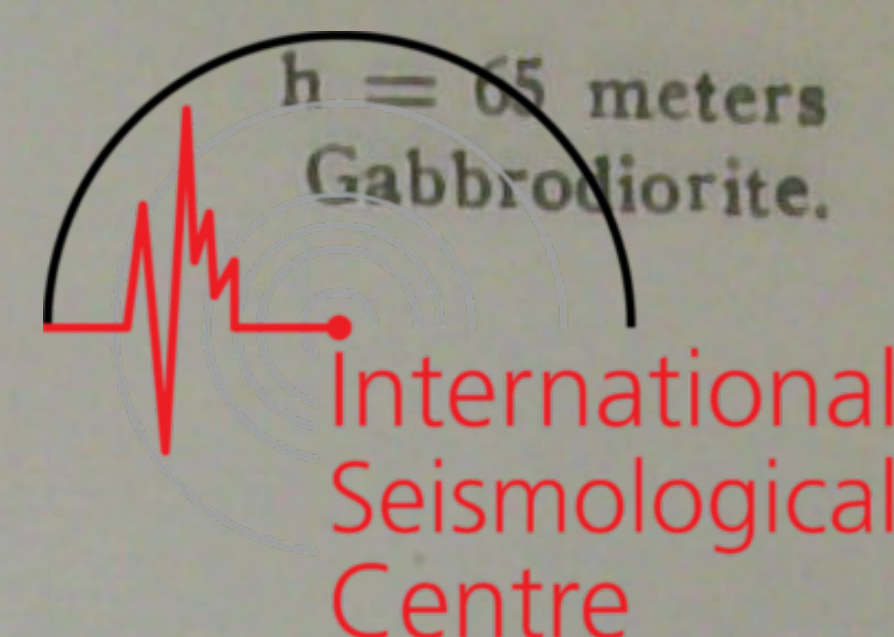
BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE



PRELIMINARY BULLETIN

SEPTEMBER 1951

BULLETIN # 165

01	eL	05 20 50	USCGS	foreshock	
01	eP ePP eS	09 01 47 04 05 12 15	USCGS	33 S 110 W	83.6°
02	eR	16 47 40	USCGS	31 N 117 W	
08	eR	07 04 05	USCGS	28½ N 43 W	
09	eR	05 36 50	USCGS	16 S 175 W	
12	eP	14 04 42	USCGS	Aleutians	
12	iP	15 22 55	USCGS	45½ N 151 E	
13	eP	16 45 56	USCGS	Banda Sea	
15	eP iP eS	08 16 33 13 58.5 20 55	USCGS	San Juan, P.R.	25°
15	iP	22 48 21	USCGS	Bulgaria	
16	eP	04 11 25	USCGS	51½ N 176 W	
16	eP	11 54 30	USCGS	20 N 155½ W	
16	iP	15 08 08.5	USCGS	Aleutians	
17	e(PP)	16 16 58	USCGS	18 S 173 W	
18	eP	07 09 31	USCGS	N.Atlantic	
19	iP	04 24 05	USCGS	17 S 71 W	
19	iP	06 11 40			
19	iP	08 21 40		N.Atlantic?	
19	eP	19 36 29			
19	eR	20 49 10	USCGS	Tonga Isl.	
19	eP	21 06 55			
20	eR	02 15 30	USCGS	Kermadec	
20	iP	05 56 47	USCGS	5½ S 81 W	

SEPTEMBER 1951

20	eP eR	12 47 35 13 03 45	USCGS	65 N	154 W	
20	eP	17 10 49	USCGS	52 N	168 W	
20	eP	17 58 18	USCGS	52½ N	168 W	
21	eP eS	04 27 14 31 11	USCGS	19 N	70 W	22°
				H - 100 km		
21	1P	08 58 17	USCGS	Aleutians		
21	eP' ePKS	09 29 39 33 08	USCGS	Molucca Passage		
21	eP	16 26 23	USCGS	Aleutians		
21	eR	19 52 50	USCGS	28½ S	178 W	
21	eP	20 53 47				
22	eP	10 24 29	USCGS	48 N	127 W	
22	eR	23 55 50	USCGS	16½ N	47 W	
25	eP eS	18 35 27 39 53		West Indies		25.6°
27	1P 1 eS	14 57 42 58 13 15 02 30		West Indies(?)		
27	1P eR	19 31 45 47 40	USCGS	49 N	126 W	
28	eL	02 27 40				
28	1P	03 51 26				
28	eL	12 19 10	USCGS	11½ N	86 W	
28	eL	15 07 20	USCGS	11½ N	86 W	
29	eL	00 31 50	USCGS	30 S	1°3 W	

John F. Devane, S.J.

$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

$h = 65$ meters
Gabbrodiorite.

WESTON, MASS.

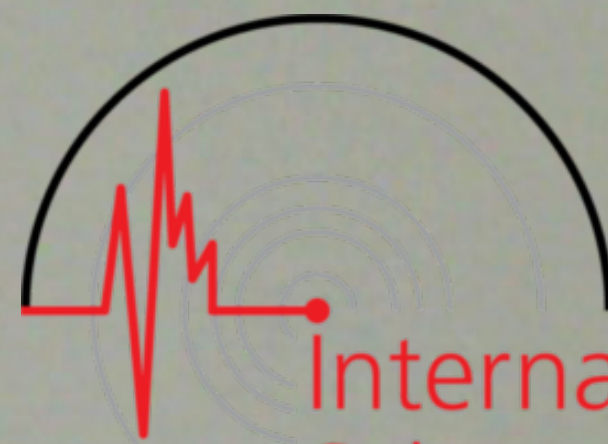
BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE



International
Seismological
Centre

PRELIMINARY BULLETIN

October 1951

Bulletin # 166

01	iP	01 38 06				
01	eP	09 22 25	USCGS	Aleutians		
01	iP eR	10 21 40 53 40	USCGS	55 N 166 W		
03	eP i eS	02 06 19 06 34 11 05				28°
03	iP	11 17 14				
03	eR	23 14 15				
04	eL	15 07 50				
05	eL	12 39 20	USCGS	Kermadec Isl.		
06	eL	04 31 50	USCGS	Kermadec Isl		
07	iP	12 12 40	USCGS	Argentina		
08	iP eS	04 18 09 24 14	USCGS	40 N 125 W		40.6°
11	iPKP	01 56 39.5	USCGS	5 S 152 E		
13	eL	20 06 20	USCGS	43½ N 126 W		
13	ePP ePS eSS eR	22 47 08 56 44 23 02 45 19 50	USCGS	60 S 19 W		111°
14	iPKP	09 49 15.5	USCGS	Java Sea		
15	eL	21 54 10	USCGS	33 N 134 E		
16	eS eL	07 09 58 17 30	USCGS	76 N 5 E		
18	iP eSKS eS eSS	08 39 24 49 40 50 38 56 10	USCGS	42 N 142 E		91°
19	iP	15 04 30	USCGS	41 N 142 E		
21	ePKP eSKS ePS eSS	21 52 51 59 50 22 03 20 09 30	USCGS	Formosa		112°

October 1951

21	eP	22 20 37	USCGS	Kurile Isl.	
22	ePKP	03 49 09	USCGS	Formosa	
	eSS	04 05 30			
22	ePKP	08 02 16	USCGS	Formosa	
	eSS	19 45			
22	1P	10 10 50	USCGS	2 $\frac{1}{2}$ S	76 W
22	eL	12 11 30	USCGS	Formosa	
	eL	13 49 10			
	eL	16 27 10	USCGS	Formosa	
	eL	19 53 40			
	eR	22 02 00			
25	eR	02 10 15	USCGS	Formosa	
	eR	09 54 50			
23	eR	19 25 00			
24	1P	02 01 03	USCGS	Hokkaido	
24	eR	04 35 50	USCGS	11 N	93 W
24	1P	19 36 19			
25	eP	04 12 36	USCGS	15 N	93 W
	eR	22 20			
25	3R	13 11 20			
28	eL	03 01 40			
28	1PKP	07 07 23			145°
	ePP	10 39			
	eSS	22 56			
31	ePKP	07 15 13	USCGS	5 N	101 W
	eL	55 57			
31	eR	12 20 20			

John F. Devane, S.J.

$\phi = 42^{\circ} 23' 00''$ N
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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

NOVEMBER 1951

Bulletin # 167

04	IP	09 16 21				
04	eL	12 13 55	USCGS	11 $\frac{1}{2}$ N	125 E	
06	eL	05 46 10				
06	IP eS	15 09 33 19 50	USCGS	47 N	154 E	82 $^{\circ}$
06	IP eS	16 52 26 17 02 40	USCGS	47 N	154 E	82 $^{\circ}$
06	P _n P ₁ S ₂ S ₁	17 55 31 53 39 56 05.4 56 19.2	NESEA	44.9 N H 17 54 46	73.3 W	325 km
06	IP eS	19 02 42 13 01	USCGS	47 N	154 E	82 $^{\circ}$
06	IP	22 31 51	USCGS	Chile		
08	IP eS	13 54 52.5 14 02 35	USCGS	54 $\frac{1}{2}$ N	160 W	56.2 $^{\circ}$
09	eP eS	22 18 20 25 48	USCGS	22 S	68 W	63 $^{\circ}$
11	eP eR	12 27 56 13 00 10	USCGS	47 N	152 E	
12	IP eS eSS	08 21 50 32 08 37 10	USCGS	47 N	154 E	82 $^{\circ}$
12	IP eG	09 42 10 47 20	USCGS	17 N	61 W	
12	IP	19 24 54	USCGS	55 N	166 W	
12	IP	19 53 51	USCGS	47 $\frac{1}{2}$ N	155 E	
13	eL	08 58 15	USCGS	Marianas		
13	eR	11 44 50	USCGS	40 $\frac{1}{2}$ E	125 W	
14	eR	09 00 15	USCGS	40 $\frac{1}{2}$ E	124 W	
14	IP	10 46 57				

November 1951



15	iP eS	08 37 31 47 10	USCGS	52½ N	160 E	
	iP	09 38 30				
	iP	10 14 24				
e	eP	10 43 15				
	eP	11 13 08		11	11	
	iP	17 57 04				
	iP	19 55 52				
	iP	22 10 58				
15	iP	15 14 40				
16	iP	01 51 32	USCGS	46½ N	154 E	
16	iP	15 15 06				
	iP	15 32 24	USCGS	52½ N	160½ E	
	iP	15 40 45				
16	eL	18 23 26	USCGS	29½ S	178 W	
18	ePP	09 54 18				
	iSKS	10 03 54	USCGS	31 N	90½ E	105°
	iSS	09 07				
19	3L	22 00 50	USCGS	16½ S	172 W	
22	ePKF	02 23 57	USCGS	6 S	151½ E	
	eL	03 03 55				
24	eP	04 41 11	USCGS	51½ N	176 ½ W	
24	eP	19 05 10				
	PP	09 50	USCGS	23 N	121½ E	115°
	PS	19 54				
	eES	26 02				
26	eR	07 32 20	USCGS	23 N	121½ E	
29	iP	05 05 04				
	i	05 32				
29	iP	23 58 59	USCGS	N. Argentina		
30	iP	07 56 57	USCGS	52 N	41 W	

John F. Devane, S.J.

$\phi = 42^{\circ} 23' 00''$ N
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BULLETIN

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h = 65 meters
Gabbrodiorite.



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

Preliminary Bulletin

December 1951

Bulletin # 168

02	1P	08 02 43	
04	eP eL	08 56 33 09 04 25	USCGS: near Greenland
05	eL	07 52 00	USCGS Formosa
06	eP eS	14 38 32 42 24	USCGS $5\frac{1}{2}$ N $77\frac{1}{2}$ W 38°
08	eP* 1PP 1SKP 1SP eSS	04 53 30 36 24 37 05 46 50 55 07	USCGS 34 S $56\frac{1}{2}$ E 138.5° H - 100 km
12	eP i eS	01 43 58 44 21 48 10	USCGS 17 N $84\frac{1}{2}$ W 33.2°
14	1P	02 27 31	
15	1P	10 05 50	USCGS 52 N 175 W
17	1P	17 58 11	USCGS 11 N $86\frac{1}{2}$ W
21	5PKP eR	08 52 19 09 35 10	USCGS $26\frac{1}{2}$ N 100 E
23	eR	01 20 55	USCGS $24\frac{1}{2}$ S 177 W
23	eP	07 03 03	USCGS 15 N 61 W
23	eP	11 41 58	USCGS 49 N $155\frac{1}{2}$ E
24	eR	06 11 10	USCGS off Colima Me.
24	1P	06 21 01	USCGS Aleutians

December 1951

25	EP	16 10 36	USCGS	47 N	155½ E	
26	iP eS	00 54 14.5 01 00 10	USCGS	32.6 N	118.7 W	38.5°
25	iP	03 19 19.5	USCGS	Fox Isl.		
25	eR	10 59 50	USCGS	32 N	91 E	
25	eL	17 16 52	USCGS	China		
26	iP	17 05 36	USCGS	49½ N	156 E	
28	iP iPP eS	09 27 12 28 24 32 50	USCGS	17 N	98½ W	35°
28	iP	16 07 22.5	USCGS	10 S	71½ W	
29	iP	13 00 46	USCGS	18½ N	101 W	
29	eP	22 17 12	USCGS	off Formosa		
30	iP eR	17 50 56 18 07 10	USCGS	62½ N	146 W	
30	iP	22 50 05	USCGS	28 S	114½ W	
30	iP eS	22 35 16 45 08	USCGS	28 S	114½ W	80°

John D. Devane, S.J.