

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

WESTON, MASS.
BULLETIN
of the Weston College Seismological Observatory

h = 65 meters
Gabbrodiorite.



International
Seismological
Centre

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

* * * PRELIMINARY BULLETIN * * *

January
1942

No. 50

07	eP	09 19 39
07	M	12 01 00
09	eP	15 59 46
20	eP	06 32 59
	eS	38 56
21	iP	20 44 14
	ipP?	42
23	L	22 39 00
26	eP	06 53 05
	eS	55 35
27	eP	13 48 30
	i	51 00
28	eP	09 42 33
30	eP	02 10 31
30	eP	06 55 16

$\Delta=39^{\circ}$

Dilatation

$\Delta=14^{\circ}$

South of Bermuda?

D. Linehan, S.J.
Seismologist

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* * * PRELIMINARY BULLETIN * * *

February
1942

No. 51

04	L	17 43 00
08	M	21 13 00
11	L	11 39 42
13	M	07 22 00
14	eP	13 05 41
16	eP(?)	03 08 06
16	eP	18 36 59
	M	19 09 00
17	M	05 16 00
21	eP	07 20 59
	eS	32 05
22	L	10 28 00

$\Delta = 90^{\circ}$

D. Linehan, S. J.
Seismologist

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Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

*** PRELIMINARY BULLETIN ***

March
1942

No. 52

01	1P 1S	09 58 46 10 04 12	$\Delta = 34^{\circ}$	Compression
05	1P 1pP eS	20 00 44 01 50 11 08	$\Delta = 91^{\circ}$	Deep Focus
06	EL	21 14 15		
09	1P eS	10 24 53 29 08	$\Delta = 23.5^{\circ}$	Dilatation to South
11	1P	11 00 20		Compression
19	eP eS	12 07 04 13 17		
20	1P eS	01 23 17 31 34	$\Delta = 61^{\circ}$	
20	1P	01 31 10		
21	eP ePS	23 55 14 48 37	$\Delta = 104.5^{\circ}$	
25	1P?	07 46 37		Compression
26	eL	19 37 34		
30	eP?	09 15 01		

E.R. Powers, S.J.
Seismologist

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$h = 65$ meters
Gabbrodiorite.



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

*** PRELIMINARY BULLETIN ***

Apr 11
1942

NO. 53

01	1P 1S	02 20 22.5 23 06	$\Delta = 14.1^{\circ}$	Dil. to southeast
01	1	12 06 44		
03	1P?	23 07 50		
04	eL	23 55 05		
08	eP? ePS	15 59 24 16 01 51	$\Delta = 121^{\circ}$	
08	eL	20 33 28		
09	eL	05 46 24		
11	1P 1pP eS	01 31 35 31 57 36 46	$\Delta = 33^{\circ}$ $h = \text{ca. } 100 \text{ km.}$	Compression
13	eP eS	07 57 20 08 06 10	$\Delta = 66.5^{\circ}$	
13	eL	11 38 08		
15	1	01 22 53		
16	eP?	01 15 48		
17	eL	22 07 15		
18	eL	22 07 01		
20	eP ePS?	08 53 37 09 03 33	Deep Focus	
20	1P	15 00 58	Dilatation	
20	eP?	23 32 28		
22	eL	23 37 05		
25	1P eS	19 42 16 46 07	$\Delta = 21^{\circ}$	Compression Caribbean Quake
27	eP eS	09 23 03 28 09	$\Delta = 31^{\circ}$	
28	1P	10 38 28	Compression	
29	eP? eS	11 59 33 12 12 00		
30	eL	02 46 44		

28 09
23 03
5 06
23 03
6 13
16 50

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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***

May
1942

No. 54

02 eP 20 29 41
eS? 39 59

06 eM 21 31 13

06 1P 22 56 49
eS? 23 01 55

Compression

09 eL 16 17 56

10 eM 12 38 15

13 eL 21 25 07

14 1P 02 21 21
1S 27 51

$\Delta = 44.4^\circ$ Compression

14 eP 08 46 52
eS 53 15

$\Delta = 43^\circ$

14 1P 15 54 43
eS 16 00 59

$\Delta = 42.0^\circ$ Compression

15 eP 02 58 13
eS 03 05 59

$\Delta = 55.7^\circ$

15 1P 10 58 37
eS 11 04 59

$\Delta = 43.1^\circ$ Dil. to South

15 1P 11 59 21
1S 12 05 41

$\Delta = 42.8^\circ$ Dil. to South

15 1P 18 20 03
eS 29 40

Dilatation

16 1P 18 57 23

Dilatation

17 1P 15 22 23
eS? 28 37

Compression

19 eM 11 12 16

22 1P 10 38 00
eS 43 54

$\Delta = 38.3^\circ$ Compression

23 eL 04 17 54

23 eP? 13 11 54

24 eP 03 48 20

24 eL 22 15 00

27 1P' 06 48 07
ePS 59 16

$\Delta = 119^\circ$ Dilatation

28 eP' 01 20 50
1P' 21 03
1PKS 24 37

$\Delta = \text{ca. } 142^\circ$ h = about 150 km.

May (cont.)
1942

29 eL 05 50 39

30 1P? 07 26 59

Dilatation

31 eP 02 50 53
eS 57 35

$\Delta = 45.2^\circ$

31 1P 05 31 06
eS 39 56

$\Delta = 67.8^\circ$ Compression

31 1P 13 13 12
eS 24 19

$\Delta = 93.7^\circ$ Compression

56 95
50 53
6 42

E.R. Powers, S.J.
Seismologist

50 53
8-12
42 41

WESTON, MASS.

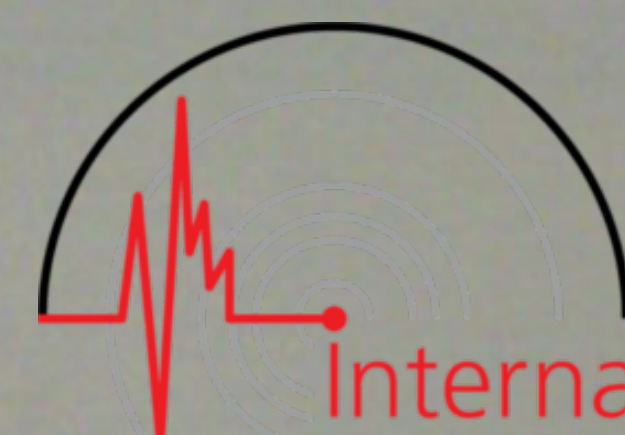
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Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE



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*** PRELIMINARY BULLETIN ***

June
1942

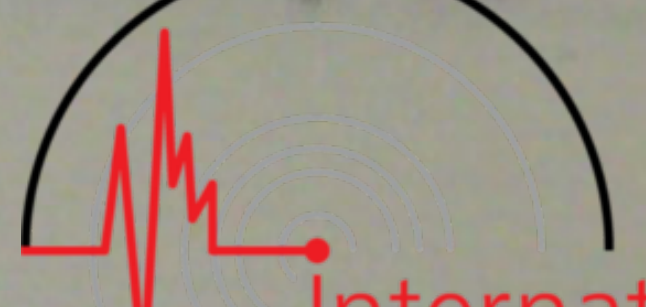
No. 55

01	eP	09 28 36	
02	eL	01 06 05	
03	eL	17 25 16	
06	eL	12 08 17	
06	eP' ePS	15 12 22 25 17	$\Delta = 132^\circ$
07	1P eS?	10 56 08 11 02 26	Compression. Deep?
09	eL	11 26 52	
10	1P	01 19 25	Dil. to Northwest.
10	1P' ePS	10 40 19 53 49	$\Delta = 128^\circ$
12	1P ₁ 1S ₁	02 23 03 23 30	$\Delta = 221 \text{ km.}$
12	1P eS	10 29 51 36 22	$\Delta = 44.5^\circ$
13	eL	17 13 52 19 13	
14	eP eS	03 28 29 39 04	$\Delta = 86.6^\circ$
15	i	14 48 13	
16	1P eS	21 13 13 19 35	$\Delta = 43.1^\circ$ Dil. to South
18	eP eS	09 49 48 56 48	$\Delta = 49.0^\circ$
19	eP eS	19 50 10 20 01 01	$\Delta = 85.9^\circ$
20	1P 1pP 1S	10 08 48 09 11 14 15	$\Delta = 35^\circ$ h = about 100 km.
21	1P 1S?	04 50 23 59 39	Compression
22	eL	19 46 49	
23	eL	04 17 54	
23	1P eS	09 02 41 07 56	$\Delta = 32.2^\circ$ Compression

61 101
62 41
55 37
6-44

June (cont.)
1942

No. 55



International
Seismological
Centre

23 1P 09 02 41
eS 07 56

$\Delta = 32.2^\circ$ Compression

24 1P' 11 35 39
ePS? 48 31

27 eP? 03 01 08

28 eP 00 13 28
eS 18 46

$\Delta = 29.3^\circ$

28 eL 16 17 54

29 1P 06 38 13
1S 48 07

$\Delta = \text{ca. } 76^\circ$ Deep.
Felt in Santiago, Chile.

H.R. Powers, S.J.
Seismologist

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Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

International
Seismological
Centre

*** PRELIMINARY BULLETIN ***

July
1942

No. 56

04	eL	03 29 20		
04	1P eS	02 01 06 07 24	$\Delta = 42.6^\circ$	Comp. to North
04	1P eS	06 16 32 22 54	$\Delta = 43.1^\circ$	Comp. to North
04	1P eS	18 56 37 19 05 12	$\Delta = 64.9^\circ$	Compression
04	1P eS	19 00 52 09 27	$\Delta = 64.9^\circ$	Comp. to Southeast
05	1P eS	10 57 48 44 10	$\Delta = 43.1^\circ$	Comp. to North
05	eP 1S	23 21 12 25 13	$\Delta = 22.3^\circ$	
05	eP eS	14 19 07 25 29	$\Delta = 43.1^\circ$	
07	eP eS	03 11 52 18 05	$\Delta = 41.5^\circ$	
07	1P eS	12 45 41 51 57	$\Delta = 42.1^\circ$	Comp. to North
08	1P 1S	07 06 30 15 22	$\Delta = 68.2^\circ$	Comp to North
08	eP?	19 30 42		
08	eP 1P 1S	22 38 53 39 19 45 22	$\Delta = 43.8^\circ$	Dil. to South
10	1P eS	04 57 52 05 04 18	$\Delta = 43.8^\circ$	Comp. to North
12	1P 1S	05 13 19 19 45	$\Delta = 43.8^\circ$	Comp. to North
13	1P	00 29 48		Compression
20	1P eS	13 44 13 54 23	$\Delta = 82.4^\circ$	Compression
21	1P eS	07 58 18 08 05 55	$\Delta = 45.5^\circ$	Dilatation
21	eP eS	08 53 35 09 01 20	$\Delta = 55.6^\circ$	
22	1P	17 22 50		

03 11 52

July (cont.)
1942

24 eL 05 57 20

25 eL 00 40 05

25 eP 06 41 28
eP3 53 35

$\Delta = 125.5^\circ$

25 eP 15 28 29
eS 36 04

$\Delta = 54.1^\circ$

27 iP 11 18 02
eS? 29 35

Compression

29 eP 23 08 26
i 06 41

E.R. Powers, S.J.
Seismologist

$\lambda = 71^{\circ} 19' 20''$ W

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Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

h = 65 meters
Gabbrodiorite.



*** PRELIMINARY BULLETIN ***

August
1942

No. 57

01	eP'	05 06 58		
01	1P'	12 53 13	$\Delta = 131^{\circ}$	
	ePS	13 06 03		
01	eP'	14 50 14		
03	eP'	20 28 47		
	ePS?	38 25		
03	1P	05 09 01		
06	1P	23 43 34	$\Delta = 33.0^{\circ}$	Comp. to North northeast
	1S	48 54		
07	eP	06 11 21	$\Delta = 33.0^{\circ}$	
	eS	16 41		
08	1P	00 33 14	$\Delta = 87.7^{\circ}$	Dilatation
	eS	43 55		
08	1P	07 26 04	$\Delta = 33.0^{\circ}$	Dilatation
	i	26 11		
	eS	31 24		
08	1P	22 43 10	$\Delta = 33.3^{\circ}$	Compression
	i	43 16		
	eS	48 32		
11	1P	04 54 54	$\Delta = 33.6^{\circ}$	Dilatation
	i	55 00		
	eS	05 00 18		
11	1P	07 18 14	Dilatation	
12	eP'	20 49 57		
13	1P'	16 03 48		
13	1P	19 37 22	Dilatation	
14	eP	20 57 58	$\Delta = 39^{\circ}$	
	eS	21 03 56		
15	eP	06 42 08	$\Delta = 38.5^{\circ}$	
	eS	48 03		
15	eP'	15 23 26		
16	1P	11 40 21	Dilatation	
16	1P	20 14 26	$\Delta = 33.2^{\circ}$	Comp. to North Northeast
	1S	19 47		
18	eL	19 18 02		

August (Cont.)
1942

19	eL	06 50 12	
19	1P	08 19 55	Dilatation
19	eL	19 25 00	
20	eL	16 09 19	
20	1P 1S	22 43 40 48 57	$\Delta = 32.5^\circ$ Dilatation
22	1P	08 41 26	Dilatation
22	eL	09 46 59	
22	1P	19 59 33	Dilatation
23	1P eS	06 46 53 56 15	$\Delta = 73.8^\circ$ Dilatation
24	1P 1S	23 00 14 08 14	$\Delta = 58.0^\circ$ Compression to North
25	eL	15 45 33	
25	1P eS	20 25 38 33 35	$\Delta = 57.5^\circ$ Dilatation
25	1P eS	21 01 07 09 05	$\Delta = 57.7^\circ$ Dilatation
26	1P eS	12 18 21 26 19	$\Delta = 57.7^\circ$ Comp. to North
27	1P eS?	06 24 53 33 31	Dilatation
29	1P eS	12 30 31 35 50	$\Delta = 32.8^\circ$ Compression
29	eP 1P eS	21 47 10 47 12 52 43	$\Delta = 34.8^\circ$

E. R. Powers, S. J.
Seismologist

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 ***

SEPTEMBER
1942

No. 58

01	1P' ePS?	19 12 33 23 15		
02	eP eS	03 27 34 35 50	$A = 60.6^{\circ}$	
04	1P eS	03 00 27 05 45	$A = 32.7^{\circ}$	Compression
04	1P eS	17 56 33 18 04 50	$A = 60.8^{\circ}$	Dilatation
06	1P eS	16 04 38 13 40	$A = 68.7^{\circ}$	Compression
09	1P 1S	01 35 24 43 32	$A = 61.0^{\circ}$	Dil. to Northwest
10	eL	05 44 22		
10	eL	23 50 26		
12	eL	06 05 03		
14	e eSKS ePS	11 49 54 59 42 12 02 59	$A = 112^{\circ}$	
15	eP?	23 56 40		
17	1P eS	11 52 14 12 01 57	$A = 77.8^{\circ}$	Compression
17	1P	19 58 47		Dilatation
24	e ePS?	03 58 15 04 08 02		
25	1P eS?	08 24 19 33 00		Dilatation
26	1P 1S	04 06 53 12 08	$A = 32.2^{\circ}$	Comp. to NNE
27	eP eS	13 25 16 35 27	$A = 80.2^{\circ}$	
27	eP eS	17 08 43 14 02	$A = 32.8^{\circ}$	
30	eP	16 14 18		

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WESTON, MASS.

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h = 65 meters
Gabbrodiorite.



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

*** PRELIMINARY BULLETIN ***

OCTOBER
1942

No. 59

03	eP?	10 33 06		
05	1P	21 42 28	Compression	
06	eL?	03 18 50		
06	eP	12 09 19		
06	eP 1	14 34 34 36 27		
08	1P eS	03 10 01 15 51	$A = 37.7^{\circ}$	Dilatation
08	eL	21 03 59		
09	eP eS	00 53 22 01 03 37	$A = 32.4^{\circ}$	
09	1P eS	16 05 09 14 36	$A = 75.0^{\circ}$	Comp. to West
12	1P eS	01 26 21 34 15	$A = 57.0^{\circ}$	Compression
12	1P eS	06 22 28 32 29	$A = 81.0^{\circ}$	Compression
14	eP	00 31 41		
15	1P	14 59 45	Compression	
18	eL	05 42 18		
20	1P	23 40 51	Dilatation	
21	1P eS	16 29 25 35 07	$A = 36.4^{\circ}$	
22	1P eS	01 57 45 02 03 32	$A = 36.0^{\circ}$	Compression
25	eL	07 52 21		
25	eL	09 34 25		
26	1P 1S	21 21 40 30 59	$A = 73.8^{\circ}$	Comp. to SSE
28	1P eS	10 51 31 56 58	$A = 34.1^{\circ}$	Compression
29	eP	21 50 09		
31	1P eS	15 50 07 36 03	$A = 38.7^{\circ}$	Dilatation

E.R. Powers, S.J.
Seismologist

WESTON, MASS.

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Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE



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Gabbrodiorite.

*** PRELIMINARY BULLETIN ***

NOVEMBER
1942

no. 60

01	SP?	15 54 13	
01			
01	1P	19 05 18	Dilatation
03	eL	00 45 48	
05	eL	02 57 59	
05	1P	11 53 59	$\Delta = 32.4^\circ$ Compression
	eS?	59 15	
06	1P	13 39 45	$\Delta = 57^\circ$ Dilatation
	1pP	40 16	$h = c. 125 \text{ km.}$
	eS	47 25	
07	1P	07 51 36	Dilatation
07	eL	12 53 14	
07	1P	20 06 07	Dilatation
08	1P	10 04 13	Dilatation
09	1P	04 09 38	Compression
10	1P	12 00 29	$\Delta = 97^\circ$ Dilatation
	eS?	12 01	
12	1P	05 02 21	Compression
12	1P	15 34 25	$\Delta = 43.9^\circ$ Compression
	eS	40 51	
14	eL	06 14 26	
19	1P	08 59 59	$\Delta = 44.6^\circ$ Dilatation
	1S	09 06 30	
19	1P	09 16 54	$\Delta = 43.1^\circ$ Compression
	eS?	23 15	
19	eP	14 43 04	
21	eL	14 36 45	
22	eL	16 46 36	
25	1P	01 24 48	$\Delta = 35.6^\circ$ Compression
	eS	30 25	
26	1P	15 39 57	$\Delta = 33.2^\circ$ Compression
	1S	50 15	
28	1P	10 47 17	$\Delta = 48.0^\circ$ Dilatation
	1S	54 11	
30	1P	00 58 13	

E. R. Powers, S. J.
Seismologist

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Gabbrodiorite.



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

*** PRELIMINARY BULLETIN ***

DECEMBER
1942

No. 61

04	1P'	15 44 25	Compression
05	1P	14 37 27	$\Delta = 50.7^{\circ}$ Dilatation
	1	37 32	
	es	44 38	
09	1P	22 29 08	$\Delta = 59.1^{\circ}$ Compression
	1S	37 15	
11	esP	02 50 48	$\Delta = 76.5^{\circ}$
	es	03 00 24	
13	1P	08 53 49	Compression
	es?	09 02 58	Deep?
15	esP?	09 17 10	
20	esP	14 14 47	$\Delta = 74.7^{\circ}$
	es	24 28	
22	1P	06 31 58	Dilatation
23	esL	01 30 02	
25	1P	14 17 50	Dilatation
26	1P	12 38 27	$\Delta = 32.7^{\circ}$ Dil. to South
	1	38 39	
	es	45 45	
27	1P?	16 48 46	Compression
29	1P	04 52 40	Dilatation
31	esP	12 10 07	$\Delta = 31.3^{\circ}$
	es	15 16	

N.R. Powers, S.J.
Seismologist