

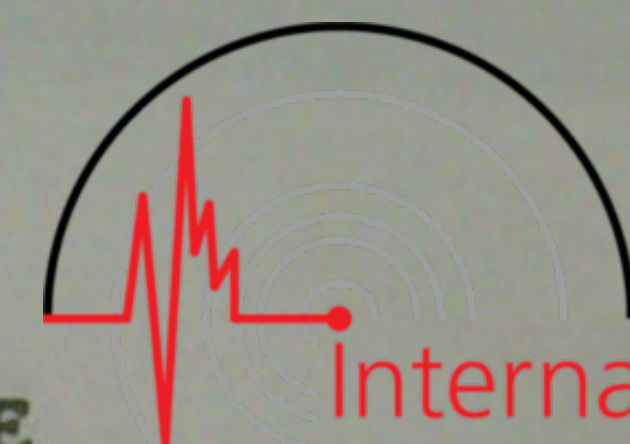
BULLETIN

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

January 1941

No. 38

01	Trace	22 52	
02	eP ₁ iS ₂	03 43 05.0 21.6	Aftershock of Dec. 24, 13h 43m.
02	i	17 10 40	
03	eP eM	09 22 33 37 48	
04	iP	02 08 41	
04	iP ₂ iS ₂	11 10 42.1 11 01.4	Aftershock of Dec. 24, 13h 43m.
05	eP?	19 06 21	
06	eP eM	09 55 24 38 05	
08	iP ₁ iS ₁	21 40 19.5 50.5	Δ = 240 kms.
08	eP ₂ iS ₂	21 41 39.5 42 04.5	Δ = 215 kms.
09	iP	18 24 46	
11	Trace	03 47	
11	Trace	09 12	
13	iP	16 17 10	
17	iP iS	12 41 03 41.5	Local
18	eP	08 39 28	
18	eM	10 06 45	
20	iP	09 49 54	
21	iP ₁ iS ₂	02 28 13.3 31.9	Aftershock of Dec. 24, 13h 43m.
21	Trace	13 40	
23	iP ₁ iS ₁	00 15 25.7 44.9	Aftershock of Dec. 24, 13h 43m.
24	iP ipP	05 52 18 44	
24	Trace	15 55	

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

WESTON, MASS.

BULLETIN

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$h = 65$ meters
Gabbrodiorite.



Wiechert 80k NE

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Bosch-Omori 25k NE

Preliminary Bulletin

February 1941.

No. 39

02	iP	2 45 41
04	iP	14 36 14
	i	38 16
07	iP	15 24 49
	i	25 00
09	iP	09 51 43
	iS	57 49
09	eP	19 38 28
11	eP	14 42 13
	iS	47 42
13	eM	15 11 04
14	Trace	19 23
15	Trace	06 02
15	Trace	09 08
16	Trace	06 32
18	Trace	21 10
24	Trace	13 37
25	eP	05 57 09
27	eP	04 03 40

$\Delta = 4400$ kms.

$\Delta = 3800$ kms.

James J. Devlin, S.J.

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

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PRELIMINARY BULLETIN

MAR 1941

~~April 1941~~

No. 40

12	eP	02 59 37	
	eS	03 04 00	
14	iP	16 26 53	Compression
15	eP	05 53 30	$\Delta = 40^{\circ}$
	ePP	05 54 58	
16	iP	07 54 24	Compression
	iS	08 04 16	
16	eP	16 46 24	
19	iP	02 58 06	Dilatation
21	iS ₁	01 59 19	local
21	iP	08 06 39	Dilatation
	iS	08 13 40	$\Delta = 47.5^{\circ}$
22	iP	14 43 53	Deep Focus
28	iP	22 57 47	
	iS ?	23 07 16	
29	eP	08 51 54	

D. Linehan, S.J.

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

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$h = 65$ meters
Gabbrodiorite.



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PRELIMINARY BULLETIN

April 1941

No. 41

01	iP iS	10 50 12 57 35	$\Delta = 52^{\circ}$
01	eP	22 13 08	
03	iP ipP iS	15 31 53 32 48 40 22	$\Delta = 67^{\circ}$ $h = 200$ km.
06	iP	23 01 52	
07	iP iS	23 34 47 39 12	$\Delta = 25.5^{\circ}$
08	eP eS	03 52 37 57 02	aftershock
08	eP eS	10 11 57 16 25	aftershock
09	eP	17 15 45	
10	eP	20 49 47	
15	iP iS	19 16 50 22 21	$\Delta = 35.3^{\circ}$
15	iP	19 52 56	aftershock
15	iP	23 50 57	aftershock
16	iP	01 45 18	aftershock
16	iP	05 35 13	aftershock
16	iP	15 41 19	aftershock
18	eP	05 42 08	aftershock ?
18	eP	06 34 45	
18	eP ¹	13 45 08	
19	eP ¹ ?	08 07 20	
20	iP eSKS	17 51 35 18 02 07	$\Delta = 93^{\circ}$ ca.

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21	iP eS	03 04 10 12 20	$\Delta = 60^\circ$
21	eP eS	08 11 01 15 52	$\Delta = 29^\circ$ Caribbean quake
21	iP	18 42 14	
24	eP eS	01 09 50 14 33	$\Delta = 28^\circ$ Caribbean quake ?
27	eP eS	05 40 00 44 35	$\Delta = 27^\circ$ Caribbean quake
28	iP	19 50 36	
29	iP' i	01 55 39 56 30	

Daniel Linehan, S.J.

Seismologist.

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

WESTON, MASS.
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$h = 65$ meters
Gabbrodiorite.



Wiechert 80k NE

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PRELIMINARY BULLETIN

May 1941

No. 42

01	1P	07 17 57	Compression		
03	1P	20 47 10	Compression		
04	1P	22 28 19	Compression.	Deep Focus?	
04	1P	22 50 46	"	"	"
04	1P	22 57 01	"	"	"
04	eP	23 43 43		"	"
05	eP	15 31 22			
08	eP	10 40 30			
	eS	49 33	ca 70°		
09	eP (?)	05 53 12			
	e	06 09 55			
11	1P	05 17 26			
13	1P	16 09 27	Compression		
	1S	15 41	ca. 41°		
14	eP	08 47 18			
16	1P	01 43 46			
16	1P	13 13 50			
17	eP	02 40 11			
	1PS	55 05			
	1SS	03 01 38	ca. 121°		
23	1P	20 03 19	Compression		
23	1P	22 45 35			

Daniel Linehan, S.J.
Seismologist.

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h = 65 meters
Gabbrodiorite.



Wiechert 80k NE

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PRELIMINARY BULLETIN

June 1941

No. 43

01	Trace	17 57	
03	1P eS	15 12 56 16 50	$\Delta = 2600$ kms.
06	1P 1S	19 14 12.5 35.0	$\Delta = 195$ kms
07	1S ₁	15 59 07	
08	e	20 27 07	
09	eS 1N	06 01 18 12 19	
09	Trace	09 03	
12	Trace	00 16	
12	1P? e	09 52 00 52 16	
15	Trace	13 00	
16	1P	12 46 03	
16	Trace	18 45	
16	Trace	21 25	
18	i	01 27 24	
18	eP i	10 34 26 11 07 54	
18	1P 1S	11 14 44 19 30	$\Delta = 3000$ kms South = 1.2, West = 2.1, Comp. = 5.0
18	eP ⁰ e	20 18 18 21 46	
20	Trace	09 45	
20	eP eS	09 55 55 57 57	
23	eP ⁰ ? e	09 48 09 51 03	
24	e	00 43 16	

June 1941 (Contin)

NO 43



24	e	15 26 55	
26	1P ₂ 1S ₂	03 39 33.0 40 03.0	A = 260 kms.
26	1P ^c 1PP 1PS	12 11 06 12 45 23 00	A = 13,800 kms.
27	1P	08 16 41	
27	1P	08 24 39	
27	e	14 56 08	
27	eP e	17 17 45 29 00	
29	Trace	06 41	
29	e	23 00 54	
30	e	17 24 02 27 04	

James J. Devlin, S.J.

July 1/41
Note Readings for recent Calif. Quake.

01	eP	07 58 20
	1S	08 04 18

38.3

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

$h = 65$ meters
Gabbrodiorite.

WESTON, MASS.
BULLETIN
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Wiechert 80k NE

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Bosch-Omori 25k NE

PRELIMINARY BULLETIN

July 1941

No. 44

01	eP eS	07 58 19 08 04 16	$\Delta = 4325$ kms.
01	iP ₁ iS ₁	17 00 02.4 20.0	$\Delta = 143$ kms.
03	iP eS	07 23 20 33 00	$\Delta = 8300$ kms.
07	iP ₁ iS ₁	21 30 16.2 37.9	$\Delta = 187$ kms.
11	eP eS	01 23 55 29 58	$\Delta = 4250$ kms.
11	Trace	15 24	
12	i i	06 26 57 27 07	
13	iP	15 50 55	
14	Trace	03 12	
16	eP eS	03 20 33 26 14	$\Delta = 4035$ kms.
17	Trace	21 32	
19	eP	02 14 19	
19	Trace	06 14	
19	Trace	09 39	
19	e	15 53 32	
20	eM	07 08 15	
21	e	16 55 10	
22	e	01 26 15	
23	iP e	09 45 59 44 38	

July 1941 (Contin)

23	e	10 29 24
23	e	21 11 25
24	Trace	06 51
24	eP	10 37 20
24	e	14 21 30
25	Trace	10 50
26	eP	20 30 43
28	Trace	00 26
28	e	04 52 00
29	1P	02 00 14
	1S	07 38
29	1P	02 27 34

$\Delta = 5790$ kms.

James J. Devlin, S.J.

$\phi = 42^{\circ} 23' 00''$ N
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$h = 65$ meters
Gabbrodiorite.

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

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Bosch-Omori 25k NE



PRELIMINARY BULLETIN

August
1941

No. 45

02	eP ePP	12 00 17 01 46	
04	1P 1S	10 04 01 13 04	$\Delta = 69^{\circ}$
06	1P 1pP 1S	06 24 40 25 14 32 23	$\Delta = 56^{\circ}$ $h = 150$ km
08	eL	20 05 00	
09	eL	15 45 00	
10	eP eSS	05 13 18 22 43	$\Delta = 45^{\circ}$
10	eP	05 41 37	aftershock of above
10	1P	14 50 33	Dilatation
10	1P	17 11 28	Dilatation
10	1P	19 28 18	Dilatation
14	1P	01 54 12	Compression
14	eL	10 28 00	
15	1P 1S	06 17 36 24 04	Dilatation to East $\Delta = 44^{\circ}$
16	eL	04 43 00	
19	eL	18 43 00	
20	eL	09 19 00	
21	eL	00 20 30	
22	eL	19 56 00	
27	eL	18 53 00	
28	eL	04 09 00	
30	e eS eS ₁	10 22 38 23 20 23 44	Felt in Houlton, Maine.
31	eL	05 13 00	

D. Linehan, S.J.
Seismologist

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WESTON, MASS.

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$h = 65$ meters
Gabbrodiorite.



Wiechert 80k NE

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Bosch-Omori 25k NE

*** PRELIMINARY BULLETIN ***

September
1941

No. 46

01	eL	07 13 00	
01	iP ₁ eS ₁	15 39 17 41 30	$\Delta = 9.5^{\circ}$ NESA = 33.5° N, 76° W 100 miles east of Charleston S.C.
03	eL	04 43 00	
03	iP 1	08 38 03 38 37	Dilatation
04	eP ^o eSS	10 40 40 59 34	$\Delta = 127^{\circ}$
05	iP	23 33 05	Dilatation
06	eS ₁	17 07 13	$\Delta = 490$ km. NESA = 47° N, 71° W
07	eL	01 13 00	
07	iP	22 33 06	Dilatation
09	ePP ? eSS	07 38 42 57 42	
10	eL	17 38 00	
10	iP eS	22 06 06 10 01	$\Delta = 79^{\circ}$
11	eL	02 27 00	
12	eP ^o ?	07 21 15	
13	iP ₁ iS ₁	01 30 22 46	$\Delta = 196$ km local
13	iP eS	18 22 14 28 07	$\Delta = 39^{\circ}$
13	iP	23 12 22	Dilatation
13	iP	23 27 59	Dilatation
14	eP eSS	04 28 01 49 07	$\Delta = 115^{\circ}$
14	iP	13 52 47	Compression

September (contin)
1941

No. 46

14	eL	17 05 00
14	eL	18 41 00
14	eL	18 ⁿ 58 00
16	eP ^o i	21 57 57 59 35
17	iP i	07 06 47 10 00
18	eP	02 26 48
18	iP ipP eS	13 23 49 24 15 31 27
21	eL	09 45 00
24	iP eS	01 13 17 23 10
24	eL	19 30 00
25	eP eS	02 50 18 54 30
25	eP	18 00 11
28	iP	05 43 28

$\Delta = 55^\circ$ Deep Focus

$\Delta = 77^\circ$ Compression to Southeast

$\Delta = 18.2^\circ$ Region of West Indies ?

Dilatation to Northwest. Deep?

D. Linehan, S.J.
Seismologist.

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Gabbrodiorite.



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Bosch-Omori 25k NE

PRELIMINARY BULLETIN

October
1941

47

01	L	20 10 30	
03	i	02 49 49	Felt in San Juan, P. R. Reported by U. S. C. G. S.
03	iP iS	16 20 43 26 49	$\Lambda = 40^{\circ}$
03	iP iS e	22 38 10 42 31 23 01 25	$\Lambda = 24^{\circ}$ Felt in San Juan, P. R. Reported by U. S. C. G. S.
05	eP'	07 25 54	
05	e L	10 59 30 11 02 00	
06	iP ₁ iS ₁	05 20 57.5 21 06.5	$\Lambda = 84$ km. Azimuth to East?
06	eL	07 20 00	
07	eP eS	04 29 05 34 55	$\Lambda = 38^{\circ}$
07	L	06 22 00	
11	iP ₁ S ₁	08 15 45.8 54.6	$\Lambda = 73$ km. NLBA: epicenter near Brimfield, Mass.
12	eP S	20 08 15 10 03	$\Lambda = 9^{\circ}$
14	iP	16 47 05	Dilatation
15	iP	09 44 59	Compression
16	L	16 11 00	
21	iP	02 56 26	Compression
21	iP	03 48 42	Dilatation
21	eP eS ₁	06 11 54 12 25	$\Lambda = 550$ km.
23	L	17 42 00	
26	iP	07 25 40	Compression
31	L	07 20 00	
31	eP L	12 19 22 15 05 00	
31	L	15 20 00	

D. Linehan, S. J.

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Wiechert 80k NE

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* * * PRELIMINARY BULLETIN * * *

November
1941

No. 48

05	eP' ePP	17 57 48 59 23	Dist.: 128°	ca
06	eP iP'	07 25 15 28 30	Dist.: 126°	
06	iP iS	12 39 35 47 26	Dist.: 57°	Dilatation to North
07	eP	19 28 13		
08	eP	07 59 21		
08	eP i	23 56 38 59 06		
10	iP e	09 55 13 56 00		
11	iP	07 10 21	Dilatation	
12	eP S	10 16 08 26 38	Dist.: 84°	
12	iP	15 04 07	Compression	
14	iP i	07 01 38 02 11	Compression	
14	iL	09 02 00		
15	iP	00 36 02		
15	eP	04 38 44		
16	iP iS	09 46 16 51 30	Dist.: 32°	Dilatation to Southwest
18	L	10 58 00		
18	iP iS <i>RKS</i>	17 00 20 12 10	Dist.: 101°	
25	iP iS	18 11 31 17 26	Dist.: 39°	Dilatation to Northeast
27	iP	08 56 16	Compression to Southeast	

D. Linehan, 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 * * *

December 1941 No. 49

01	eL	16 48 00		
02	eP	05 15 44		
03	iP	01 58 47	Dilatation	
04	eP	04 00 14		
05	eP	07 01 57		
05	iP eS	20 53 56 59 51	Dist.: 36°	Compression to Northeast
05	eP	21 56 10	Aftershock	
06	eP	01 31 50	Aftershock	
06	eP eS	21 31 36 37 25	Dist.: 36°	
07	eP	00 01 38	Aftershock	
08	iL	08 00 00		
13	eP	06 27 24		
13	eL	11 24 00		
16	eP	19 38 21		
24	eP	03 41 09		
24	iL	12 24 10		
26	eL	15 44 00		
27	iP eS	18 25 54 32 58	Dist.: 49°	Dilatation
28	iP	01 46 47		
31	iL	07 08 00		
31	iP S	17 44 22 51 02	Deep Focus	

D. Linehan, S. J.
Seismologist