

$\phi = 42^{\circ} 23' 40''$ 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
1940

No. 26

03	e	00 19 19	Local
02	eP 1S	02 05 47.5 49.9	$\Delta = 19$ kms.
02	eP eS	11 19 36 29 44	$\Delta = 8900$ kms.
05	e	13 15 42	Local
06	eP	06 45 20	
06	SP	08 23 12	
06	1P ⁰ 1PP	14 22 17 24 04	$\Delta = 14100$ kms.
06	1P	19 15 58	
07	SP	21 43 29	
17	ePP? 1PKXP?	01 34 08 44 46	$\Delta = 12000$ kms.
20	1P	07 34 11	
20	Trace	11 53	
26	1P	03 39 16	
26	Trace	07 39	
26	Trace	17 31	
28	1P	07 37 27	
28	eP	08 36 01	
28	e	08 51 00	
28	1P ₁ 1S ₁	23 12 06.3 17.5	$\Delta = 92$ kms.

James J. Devlin, S.J.
Seismologist

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Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

Preliminary Bulletin

February 1940

No. 27

02	Trace	07 43	
07	1P 1S	17 27 12 36 18	$\Delta = 7820$ kms.
08	Trace	08 35	
18	Trace	23 47	
09	1P	13 33 18	
09	1P 1	14 06 52 07 07	
10	eS	21 00 10	
12	1P 1pP eS? e	00 12 36 12 57 21 45 22 09	35 36 9-09
12	1	05 36 41	Microseisms strong.
12	1P?	08 39 22	
12	1P?	08 49 55	
12	1P	09 27 29	
14	Trace	00 12	
14	1P	02 17 21	
14	Trace	10 59	
19	eP	07 25 51	
20	eP eS?	02 36 56 48 30	S phase weak.
20	e	02 46 53	
20	eP	03 05 17	Other emergent phases.
24	1P? ePP?	12 19 30 22 42	
29	1P	16 19 08	Microseisms very strong.

James J. Devlin, S.J.
Seismologist.

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Preliminary Bulletin

March 1940

No. 28

02	iP ₁ iS ₁	04 15 59.8 16 16.9	$\Delta = 139$ kms.
03	Trace	00 57	
04	• •	20 07 26 11 19	
06	•	00 19 42	
06	•	05 51 03	Local
07	iP •S?	07 21 08 31 46	$\Delta = 9200$ kms.
07	iP	19 46 03	
09	•	05 30 01	
09	•P	11 04 45	
13	iP ₁ iS ₁	01 29 23.2 40.0	$\Delta = 138$ kms.
14	•P'?	18 42 31	
	i	46 21	
	i	49 25	
14	•	21 32 17	
14	• •	21 44 00 47 03	
14	•	22 55 08	
18	Trace	06 39	
20	Trace	03 09	
21	iP iP	14 12 36 39	compression = 24 mm.
22	iP ₂ iS ₂	21 02 55.3 03 18.5	$\Delta = 182$ kms.
22	Trace	21 10	
27	iP iS	12 42 17 51 24	$\Delta = 4730$ kms.

March 1940 (contin).

27	Trace	21 30
28	eP ₁ ? iS ₁	06 43 20 44 00
28	iPP iSKP	16 07 26 09 02
28	eP	17 55 09
29	Trace	03 47
29	eP?	23 40 11
30	Trace	05 03
30	eP?	06 44 37
30	iP	12 04 01
30	Trace	16 07
31	iP	17 02 45

$\Delta = 325$ kms.

$\Delta = 14900$ kms.

James J. Devlin, S.J.
Seismologist.

WESTON, MASS.

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of the Weston College Seismological Observatory

h = 65 meters
Gabbrodiorite.



Wiechert 80k NE
April 1940

Benioff 100k (long and short period) NEZ
Preliminary Bulletin

Bosch-Omori 25k NE

No. 29

01	eP e	11 41 40 50 46	
06	Trace	14 49	
08	eP	03 01 03	
10	Trace	21 01	
11	1P	09 16 24	
11	1P ₂ 1S ₂	14 59 01.5 21.5	171 kms. Blast
12	1S ₁	01 59 20.5	Local
12	Trace	20 08	
13	Trace	07 06	
14	1P 1P	14 08 44 09 07	Deep Focus?
16	1P 1S	06 18 56 28 05	A = 7665 kms.
16	1P	06 54 18	Aftershock?
16	1S ₁	07 59 51	Local
16	1P	08 02 54	Aftershock of 06 18?
17	Trace	22 41	
18	Trace	20 38	
19	1P	00 18 03	
19	1P	14 51 57	
20	1P ₂ 1S ₂	14 43 20 35.5	A = 118 kms. Blast
20	1P ₂ 1S ₂	14 49 46.8 50 10.8	A = 208 kms. Blast
27	e 1SS? 1SSS? 1M	10 12 46 52 16 59 04 11 00 04	Strong Phase " "
27	eP	10 43 45	
27	1P 1pP?	13 27 49 28 18	
27	eSS?	18 41 46	
29	1P	15 24 40	
29	Trace	06 39	

Jamds J. Devlin, S.J.
Seismologist.

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BULLETIN

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Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

$h = 65$ meters
Gabbrodiorite.



Preliminary Bulletin

May 1940

No. 30

02	Trace	22 18	
03	1P ₁ 1S ₂	21 48 32.8 54.6	$\Delta = 190$ kms.
04	1P 1S	07 35 23 44 31	$\Delta = 7635$ kms.
04	eS 1S	13 57 12 13.3	Local
04	1P ₂ 1S ₂	16 31 38.9 57.0	$\Delta = 152$ kms. Blast
04	Trace	17 01	
04	1S	17 55 33.5	
04	e eM	21 27 00 52 56	
05	1P 1 1S	02 12 37 12 56 19 46	$\Delta = 5445$ kms.
07	eP eS	22 35 40 45 33	
08	1P ₂ 1S ₂	20 59 24.0 42.3	$\Delta = 156$ kms. Blast
09	eP ? 1S ₁ ?	03 23 02 24 56	$\Delta = 1090$ kms.
09	1S ₂ 1S ₁	15 59 48.1 52.0	$\Delta = 212$ kms
10	1 1M?	01 37 57 44 37	
10	1M?	02 03 07	
10	1P ₂ 1S ₂	18 42 06.9 24.8	$\Delta = 152$ kms. Blast
10	1P 1	19 19 15 20 04	
10	1P ₁ 1S ₁	19 23 50 24 24.6	$\Delta = 270$ kms.
11	Trace	03 31	
11	1P 1S	14 05 55 15 02	$\Delta = 7645$ kms.



11	Trace	21 56
12	eM	16 53 31
12	1P 1	17 13 20 17 25
12	1 eM	20 56 55 21 04 11
16	eP? 1S?	14 01 21.2 02 08.0
17	1P 1S	02 06 46 12 22
18	1M?	05 23 09
18	1M?	06 10 42
18	1P ₁ 1S ₁	20 01 04.0 18.8
19	1P 1S	04 43 48 4929
19	1L	06 10 09
19	1L	06 52 05
19	1P 1pP 1S 1sS	15 29 12 31 17 38 33 42 07
19	eM	19 15 04
21	• • •	19 13 31 15 38 18 00
23	Trace	06 37
24	1P 1S	16 43 15 50 47
24	1P 1S	22 07 13 14 49
25	1P ₂ 1S ₂	13 14 21.2 42.3
27	Trace	08 25
28	1P? 1P? 1PP?	09 59 58 10 03 26 04 06
29	1P 1S	02 06 07 12 00
29	• •	05 33 00 35 52
31	1P	00 07 04
31	Trace	03 22
31	Trace	05 24

Δ = 3820 kms.

Δ = 124 kms.
Blast

Δ = 3900 kms.

Aftershock of 04 43 48
" " " " "

Δ = ca. 9000 kms.
h = ca. 600 kms

Δ = 5845 kms.

Δ = 5900 kms.
Aftershock

Δ = 174 kms.
Blast

Δ = 4520 kms.

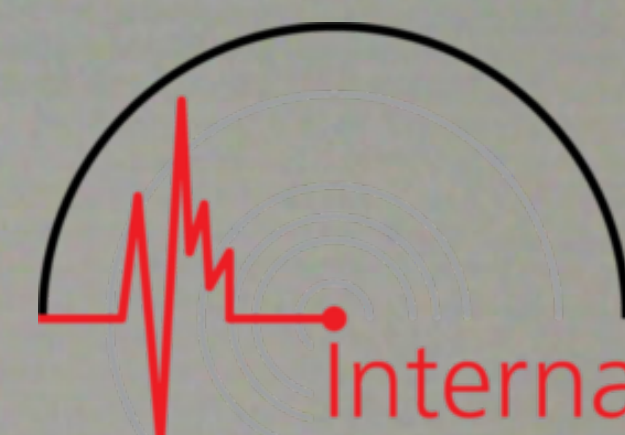
BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE



International
Seismological
Centre

June 1940

PRELIMINARY BULLETIN

No. 31

01	iP	22 39 52	Dilatation
02	iP	11 48 32	Dilatation
	eS	57 22	67°
02	trace	23 44	
02	iP	23 58 54.3	
	iS	58 56.1	$\Delta = 14 \text{ km}$
03	trace	00 07	
03	iP	18 12 21	Dilatation
	iS	18 01	$\Delta = 36.2^\circ$
05	iP	11 09 05	Compression
	iS	15 09	$\Delta = 43.2^\circ$
07	trace	08 23	
08	trace	04 56	
11	eP	18 57 10	
12	trace	06 27	
12	trace	09 10	
12	trace	12 20	
12	trace	14 50	
14	trace	17 46	
17	eP	02 16 07	
17	iP	10 38 11	Dilatation to west
	iS	47 30	$\Delta = 71^\circ$
18	eP	14 13 01	
18	iP	18 50 14	Compression
	iS	59 24	$\Delta = 70^\circ$
22	eP	11 55 33	
	iS	12 04 57	$\Delta = 73^\circ$
23	iP	07 03 25	Compression
	eS	10 02	$\Delta = 45^\circ$
23	iP	21 48 36	
	iS	54 07	$\Delta = 35^\circ$
24	iP	10 07 59	Dilatation
	ipP	08 28	Deep focus
25	iP	03 04 13	Compression
26	trace	09 13	

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WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

$h = 65$ meters
Gabbrodiorite.



July 1940

WESTON COLLEGE SEISMOLOGICAL BULLETIN

No. 32

01	1P 1S	21 36 41 11	$\Delta = 3400$ kms.
02	e eM	19 41 39 20 00 35	
03	e eM	16 23 14 26 00	
03	1P	18 34 28	
06	eP ipP eS 1sS	03 46 17 46 31 51 07 52 05	$\Delta = 3350$ kms. $h = 160$ kms.
06	1L	18 15 28	
06	1P	21 22 29	
10	1P ipP 1S 1sS	06 02 04 04 10 12 10 15 34	$\Delta = 10300$ kms. $h = 600$ kms. South = 0.5 mm. East = 0.5 mm Compression = 5.0 mm.
11	1P ₁ eS	16 59 40.6 57.0	$\Delta = 125$ kms.
11	1P ₂ 1S ₂	21 20 49.1 21 08.8	$\Delta = 172$ kms. Blast.
12	Trace	19 21	
13	1P 1S	16 54 28 17 00 06	$\Delta = 3045$ kms.
14	1P 1S	06 03 52 12 45	$\Delta = 7550$ kms. South = 0.2 mm/ East = 1.5 mm Compression = 8.0 mm.
15	1S	16 32 28	Local
15	1P	16 44 41	
16	1P	00 07 09	
16	eP	03 29 00	
16	eP?	05 06 38	
16	Trace	20 14	
16	Trace	23 06	
17	Trace	00 21	
17	Trace	07 29	

July 1940
(Contin.)

No 32

19	1P	04 58 33
	em	05 26 04
20	es	02
21	1P	13 58 49
21	1P ^{0?}	15 57 45
	i	16 02 09
23	es	02 32 05
23	1P	14 15 16
25	es	17 47 57
30	1P	00 23 59
	es	33 30
30	1P	16 10 44
30	Trace	19 45

Time marks not on record.



James J. Devlin, S.J.

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Gabbrodiorite.



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

August 1940

Preliminary Bulletin

No. 33

01	e	12 59 08	
	e	13 05 16	
	e	06 25	
01	1P	15 21 19	$\Delta = 10,000$ kms.
	eS	32 21	
	1PS	33 24	
01	1P ₁	15 55 52.0	$\Delta = 144$ kms/
	1S ₁	56 09.3	
03	1P ₂	12 12 53.7	$\Delta = 207$ kms.
	1S ₂	15 18.6	
04	eP?	08 30 55	
	e	44 15	
05	Trace	22 31	
07	1	03 06 29	
	1	06 59	
	1	15 00	
	1	15 47	
07	eS	19 08 09.5	Local
	1S	11.4	
07	1S	23 58 42	Local
08	Trace	13 31	
11	e	17 21 58	
	e	25 03	
13	1P?	15 50 30	
	e	54 21	
15	Trace	05 00	
15	Trace	05 18	
16	1P ₁	15 04 47.9	$\Delta = 65$ kms.
	1S ₁	55.8	
16	1P	16 14 06	
16	1P	18 34 54	
16	1P ₁	19 57 31.5	$\Delta = 217$ kms.
	1S ₂	55.5	
17	1	12 16 53	
18	Trace	06 56	
20	Trace	08 04	

August 1940

No. 33 (Contin)



International
Seismological
Centre

22	1P 1S	03 37 22 45 40	$\Delta = 6700 \text{ kms.}$
24	Trace	08 23	
24	Trace	14 24	
24	1P ₂ 1S ₁	21 48 59.2 49 08.7	Local
26	1P	02 37 16	
25	eP eS	05 08 57 15 41	$\Delta = 3100 \text{ kms.}$
28	eP	14 29 35	
30	Trace	15 55	

James J. Devlin, S.J.

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BULLETIN

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Bosch-Omori 25k NE

h = 65 meters
Gabbrodiorite.



September 1940

Preliminary Bulletin

No. 34

03	Trace	15 39
03	eS	15 55 12
04	i	15 11 38.7
06	iP	03 02 42
06	Trace	07 14
07	Trace	20 37
08	Trace	06 34
08	iP	10 26 29
09	iP	23 10 53
12	eP [?] ePP	13 36 23 38 16
13	i	02 40 01
14	Trace	23 33
15	eP [?]	12 08 58
18	eP	15 19 36
19	eP [?] iPP	18 38 42 40 38
20	Trace	01 00
20	Trace	19 37
21	Trace	13 14
21	e e	14 24 48 25 33
22	iP ipP iPP	23 09 47 12 06 14 10
23	iP	07 24 59
26	Trace	04 54
29	iP	01 34 03
29	eP	06 05 02
30	em	11 18 30
30	eM	15 29 24

Local

Local

Microseisms very strong.

James. J. Devlin S J/

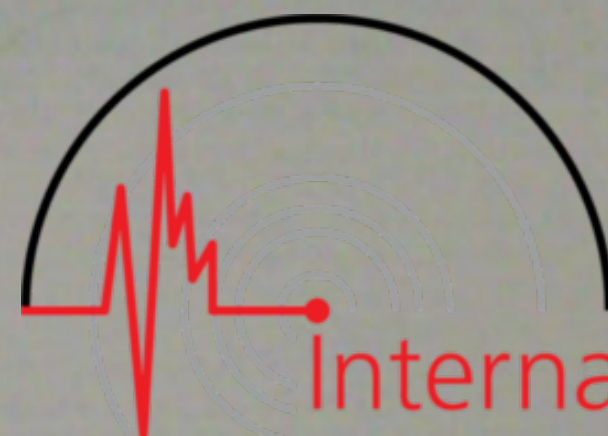
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WESTON, MASS.

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of the Weston College Seismological Observatory



International
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Centre

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

Preliminary Bulletin

October 1940

No. 55

01	1P 1pP	10 54 00 54 18	Compression to North
02	1P	03 26 21	Dilatation
04	1P 1S	08 05 15 13 40	$\Delta = 63^{\circ}$
04	1P	09 43 36	Aftershock of previous
04	1P	22 33 25	
05	1P	09 43 29	
05	1P eS	14 45 36 51 04	$\Delta = 34^{\circ}$ Compression to North
06	eP 1S	15 48 41 57 02	
07	eP	07 02 03	
11	1P	08 02 02	Dilatation to West
11	1P	18 53 45	Compression to North
15	eP	06 41 55	
22	1P eS	06m47 33 56 12	Compression
23	eP	02 31 21	
24	1P eS	20 18 29 28 07	Compression to North
27	1P eS	05 42 27 47 55	Compression to North
27	1P	10 46 40	
30	1P	03 20 36	Compression
30	1P	23 11 53	Dilatation to North
31	1P	02 14 24	Dilatation

D. Linehan, S.J.
Seismologist

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Wiechert 80k NE

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Bosch-Omori 25k NE

Preliminary Bulletin

November 1940

No. 36

01 eP 15 59 57
aM 16 12 59

01 eS? 13 40 46

02 eP 23 46 46
aM 00 06 15

Microseisms very strong.

03 Trace 02 42

05 eP 19 00 43.5
iS₃ 01 16.7

Local

07 iS 18 30 05.7

Local

08 Trace 11 26

10 iP 01 49 41
iS 58 21

$\Delta = 7100$ kms.
North = 2 mm. East = 1 mm.
Dil. = 7 mm.

10 iP 20 46 10
eS 50 47

$\Delta = 3100$ kms.

16 iP 02 38 14

17 Trace 04 18

19 eP 15 14 54
eS 25 54

23 eP 03 55 47
eS 04 02 26

$\Delta = 2000$ kms.

James J. Devlin, S.J.

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Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

Preliminary Bulletin

December 1940

No. 37

01	Trace	21 23	
08	LP	06 30 38	
16	Trace	00 09	
17	Trace	16 49	
18	Trace	04 41	
20	1P ₂ 1S ₂	07 27 52.4 28 12.9	$\Delta = 173$ Compression to South
20	1P ₁ 1S ₁	19 10 46.0 54.5	$\Delta = 69$ kms.
21	eM	00 01 50	
21	1P ₁ 1S ₁	13 37 01.1 09.5	$\Delta = 69$ kms.
22	1P 1pP S S	19 09 20 10 16 17 01 18 26	
24	1P ₂ 1S ₂	13 01 00.7 21.7	$\Delta = 162$ kms.
24	1P ₂ 1S ₂	13 29 12.2 32.2	$\Delta = 173$ kms.
24	1P ₁ 1S ₁	14 33 16.2 32.4	$\Delta = 133$ kms.
24	1P ₂ 1S ₂	18 12 36.7 53.4	$\Delta = 147$ kms.
25	1P ₂ 1S ₂	05 04 16.1 34.4	$\Delta = 158$ kms.
25	"	07 50 25	
25	1P	12 17 51	
26	eM	06 48 04	
26	1P ₂ 1S ₂	17 28 13.6 30.6	$\Delta = 143$ kms.
26	1P	23 40 52	
27	1P ₂ 1S ₂	08 56 45.7 57 02.7	$\Delta = 143$ kms.

December 1940
(Contin.)

28	1	16 56 48
	3	17 03 06
	3	16 08

29	Trace	16 55
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29	3	18 20 23
	am	26 26

30	Trace	21 07
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Insert

22	3	13 00 53
	3	07 24
	am	29 24

James J. Devlin, S.J.