

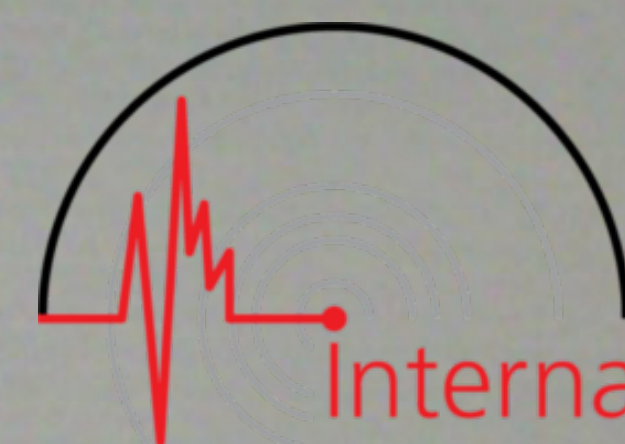
$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

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

1939
January

No. 25

01	Z	iS ₁	08 49 05	Local
03	Z	i	17 39 29	
	Z	i	40 13	
	Z	iL	42 39	
04.88		H	21 09 34.4	$\Delta = 120$ kms. from S ₁ - P ₁ Blast
	E	iP ₁	54.5	
	E	i	55.8	
	E	i	10 01.0	
	E	iS ₁	08.0	
	E	iS ₁ S ₁	10.2	
05	E	i	20 06 15	Local
	E	iS ₁	24	
09	E	iP ₁	17 09 55.0	$\Delta = 105$ kms. from S ₁ S ₁ - P ₁
	E	i	54.0	
	E	i	34.5	
	E	i	42.8	
	E	iS ₁ S ₁	46.8	
	E	eL	52.0	
10	Z	iP	20 19 08	
11	N	iM	21 48 00	
13	Z	iP	22 34 53	Dilatation = 3 mm.
15	Z	eP	14 59 21	
	Z	i	15 03 55	
16	Z	eP	00 19 37	
	Z	eS	24 24	
	N	L	36 20	
18	Z	i	01 55 36	Local
	Z	i	53	
18	Z	iP	01 55 40	Microseisms very strong.
	Z	i	55 54	
	Z	i	56 02	
	Z	e	56 29	
	Z	e	59 24	
	N	M	02 21 00	
18	Z	iP	12 50 39	Dilatation = 3 mm.
	Z	e	54	
18	Z	iP	14 58 54	Dilatation = 3mm.
	Z	e	47	
18	Z	iS ₁	21 30 07.6	Local
	Z	i	09.0	
19	N	eL	10 23 44	Microseisms very strong.

JANUARY

WILSTON, MASS.

No. 25
(Contin.)International
Seismological
Centre

19	Z	eP	20 27 34
20	Z	eP	01 35 11
20	Z	eP	11 10 05
	Z	i	16
20	Z	cP	14 33 28
20.87		H	20 40 12
	NEZ	iP	47 04
	NEZ	iS	52 29
	E	Pos	53 10
	E	iD	56 20
	NZ	iM	21 00 18
21.06		H	01 33 30
	Z	eP	44 00
	Z	eS _n	43 35
	Z	e ⁿ	02 07 38
22	Z	iP	04 53 21
	Z	e	05 03 32
22	Z	iP	11 02 30
	Z	i	46
22	N	eP	13 43 23
	N	e	54 18
	N	e	14 10 32
	N	SS	30 35
	N	M	46 48
23	Z	iP	02 35 46
	Z	i	50
24	Z	iP	04 15 05
24	Z	iP	19 59 06
	Z	i	17
25.15		H	03 32 16
	NZ	iP	44 11
	NZ	iPP	47 13
	Z	iPPP	43 59
	NEZ	iS	54 05
	L	iPS	54 39
	E	iG	04 05 27
	N	L	09 49
25	Z	iP	03 59 38
27.84		H	20 08 15.7
	EZ	iP _n	08 47.2
	EZ	iP ₂	48.0
	Z	iS	09 07.5
	N	iS _n	10.8
	EZ	i ²	19.2
27	NEZ	iP	14 18 27
	Z	i	19 13
	N	e	23 51
	N	L	30 51
27	Z	eP	20 20 49

$\Delta = 40^\circ$ from S - P
 Dilatation = 4.5 mm.
 From South = 4.5 mm.
 From West = 2.5 mm.

$\Delta = 25.7^\circ$ from S_n - P

Dilatation = 2 mm.

Dilatation = 02 mm.

$\Delta = 73^\circ$ from S - P

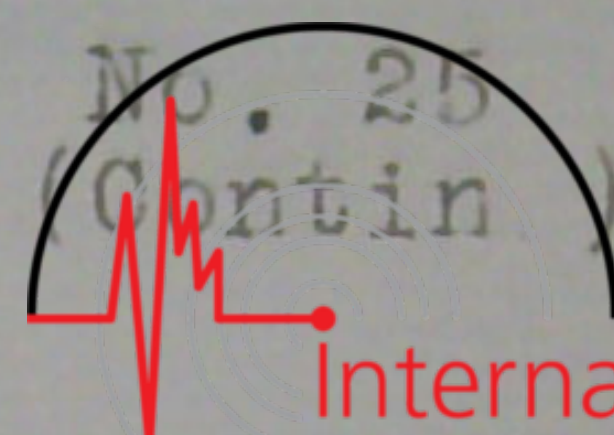
Dilatation = 04.5 mm.
 Aftershock of 25.15

$\Delta = 200$ kms. from S₂ - P₂
 Blast

Compression = 2 mm.

JANUARY

WILSTON, MASS.

International
Seismological
Centre

28	Z	iS ₁	16 02 03.5	Local
28	Z	iP	23 17 45	
	Z	i	13 33	
28	Z	iP	23 29 01	
	Z	i	31 46	
29	Z	eP	13 43 37	
	Z	e	57 01	
	Z	e	57 38	
	N	L	19 02 19	
30,10		H	02 18 26	$\Delta = 128^\circ$ from PP - P'
	NEZ	eP	34 06	
	Z	eP'	37 28	
	Z	iP'	37 30	
	NZ	iPP	39 20	
	NEZ	iSKS	44 32	
	Z	iSKKS	46 07	
	NZ	i	49 19	
	N	iSKSP	49 51	
	NE	iPPs	51 07	
	NEZ	iPPPS	52 11	
	NL	PPPP	53 06	
	E	eSSS	03 01 19	
	E	eSSSS	06 21	
	NE	iG	10 41	
	N	L	18 51	
	N	M	24 59	
31	Z	iP	00 09 16	Microseisms very strong.
	EZ	i	12 18	

Other seismic phases

Short Period 03.69, 04.19, 05.06, 05.23, 05.30, 05.47,
 06.09, 06.29, 06.57, 07.64, 08.17, 09.59,
 09.97, 10.38, 10.72, 11.25, 11.66, 12.02,
 12.50, 12.91, 13.24, 13.77, 13.93, 14.52,
 14.78, 15.18, 16.56, 16.84, 17.33, 17.45,
 17.53, 17.79, 18.05, 18.70, 19.11, 20.40,
 20.85, 21.23, 21.71, 22.13, 23.90, 24.53,
 24.74, 25.15, 25.53, 26.47, 26.79, 27.28,
 27.34, 27.39, 27.50, 27.63, 27.69, 28.24,
 28.67, 28.71, 28.89, 29.57.

Long Period 05.52, 05.57, 16.14, 16.21, 22.32, 29.30.

Strong microseismic activity on the following dates

Day and hour		to	Day and hour	
03rd	00		05th	18
06th	06		07th	23
14th	00		13th	23
17th	00		18th	10
19th	03		20th	06
22nd	18		24th	11
25th	17		27th	20
30th	19			

Daniel Linehan, S.J.
Seismologist

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

1939
FEBRUARY

No. 26

01.44 H 10 37 37
 eP₁ 37 42
 iS₁ 45.6
 iL₁ 47
 i 50
 i2(S₁S₁) 56

$\Delta = 29.5$ kms. from S₁ - P₁

03.23 H 05 26 34
 eP 42 10
 iP' 45 21
 iPP 47 07
 eSKS 52 59
 eSKSP 57 05
 ePS 57 21
 ePPS 58 45
 ePPPS 59 41
 eSS 06 04 05
 eSSS 08 55
 eSSSS 12 53
 eG 13 23
 eL 24 23

$\Delta = 126^{\circ}$ from PP - P'

05 N e 21 02 55
 E eL 10 20

06 Z i 10 45 51
 Z eL 54 48

08 Z eP 20 51 10

09.65 H 15 50 29
 NLZ iP 57 20
 NLZ ePP 33 23
 Z ePPP 38 49
 Z ePcP 39 29
 NE iS 42 49
 N ePcS 45 29
 Z iG 46 04
 Z iL 47 19
 N eM 50 09

$\Delta = 54.5^{\circ}$ from S - P
Compression = 1 mm.
North = 1 mm.
East = 1 mm.

13 Z iP 08 14 02

Compression = 3 mm.

13 Z iS₁ 25 13 43

Local

14.30 H 19 12 37
 Z iP₁ 13 11
 N i 16
 N iS₁ 36

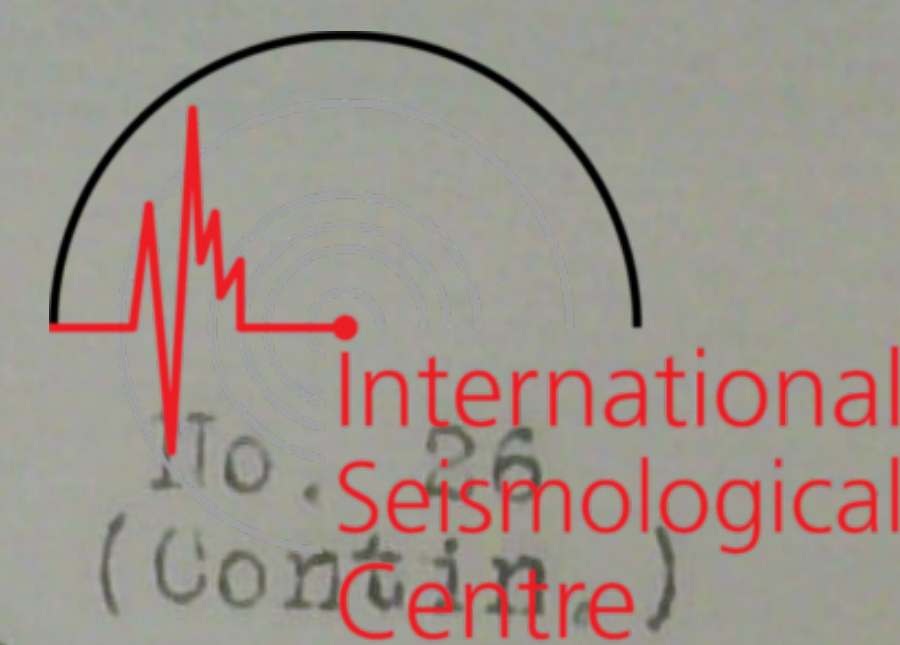
$\Delta = 205$ kms. from S₁ - P₁

15 Z iP 02 37 57
 Z i 38 26
 N eL 52 50

19 Z iP 13 03 04
 Z i 31

FEBRUARY

WILSTON, MASS



20	Z	iP	04 04 36	$\Delta = 112^\circ$ from L - P
	Z	ePPP	11 37	
	N	e	22 59	
	Z	eL	44 51	
	N	eM	49 51	
20	Z	i	23 12 05.5	Local
	Z	i	07.0	
	Z	i	09.5	
	Z	iS ₁	17.0	
23	E	c	19 00 15	Local
	N	eS ₁	20	
24	Z	i	00 52 46	Local
	Z	iS ₁	50	
24	NLZ	iP	14 25 37	$\Delta = 57^\circ$ from S - P h = 40 kms.
	NLZ	iPP	25 50	
	NLZ	eS	55 50	
	N	iPS	55 57	
	N	eSS	57 32	
	N	eG	41 52	
	Z	eL	44 50	
	Z	eM	47 40	
28	Z	iP	02 58 49	
	N	e	03 09 45	
	N	eL	23 55	
	Z	eM	57 55	
28	Z	e	07 50 30	
	Z	eM	08 04 55	

Other seismic phases

Short Period 01.61, 02.05, 02.61, 03.02, 03.48, 03.91,
04.36, 04.77, 05.18, 06.51, 07.09, 07.56,
08.16, 08.21, 09.16, 09.53, 10.05, 10.50,
11.00, 11.45, 11.34, 12.17, 13.94, 14.15,
14.74, 15.17, 15.70, 16.35, 17.32, 17.32,
18.64, 18.92, 19.13, 20.73, 21.31, 21.49,
22.22, 23.83, 24.00, 24.35, 24.41, 25.55,
25.56, 25.57, 25.35, 27.66, 27.97, 28.26,
28.54.

Long Period 03.00, 04.25, 07.22, 08.37, 09.55, 14.13,
14.32, 16.32, 17.63, 26.43, 28.00, 28.91.

Strong microseismic activity on the following dates.

Day and hour		to	day and hour	
			02nd	03
04th	07		05th	12
07th	09		08th	22

D. Linehan, S.J.
Seismologist.

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

Preliminary Bulletin

April
1959

No. 17

02	1P 03	20 08 24 12 10	A= 2490 kms	
04	0L	11 10 00		
05	1P 1PS	17 01 42 15 07	Comp. A= 11,780 kms	
06	1P	05 02 16		
06	0M	09 56 00		
12	1P	13 55 14		
15	0P 0L	20 23 44 21 15 40		
19	1P	15 42 52		
20	0M	23 20 00		
21	0P	01 46 29		
21	1P 1S	04 40 52 50 59	h= 430 km. A= 9550 km	
21	0P	20 53 45		
25	1P 1S	16 33 41 42 20	Dil. A= 7100 km.	
25	0P 0S	17 54 07 58 11	A= 2480 km.	
25	1P 0S	15 02 56 10 29	Dil. to South. A= 5300 km. h= 170 km.	
26	1M	22 03 00		
28	0L	00 50 00		
30	0P 1SS	03 11 37 33 45	A= 14,220 km.	

D. Lincoln, S. J.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE



Preliminary Bulletin

May
1939

No. 18

01	1P 1SKKS	06 11 47 22 28	$\Delta = 93^\circ$
01	1P eSKS	16 19 05 29 39	$\Delta = 95^\circ$ Dilatation = 2 mm
02	1P	06 30 37	
02	1P 1S	13 21 54 27 41	$\Delta = 36^\circ$ Dilatation to South
06	1P 1S	06 07 33 13 31	Compression 3 mm
08	1P 1S	01 53 58 59 34	$\Delta = 36^\circ$ Compression 15 mm to West
09	1P eS ?	07 37 43 45 12	
10	1P eS	07 55 15 08 04 10	Dilatation 7 mm $\Delta = 68^\circ$
11	1P	17 50 33	
11	1P	18 11 47	
12	1P	07 48 54	Dilatation 4 mm
13	1P	00 55 00	Dilatation to South
14	1P	18 31 24	Compression 1 mm
15	1 e L	21 28 53 39 30	
17	1 eSS	18 48 23 04 06	
19	1P eS	18 35 36 43 41	Dilatation 2 mm; Deep
20	1P	09 46 06	
21	1P	04 03 03	
21	1P eS	20 39 36 48 00	Dilatation
22	ePP	01 27 28	
23	1P	02 56 32	Compression 2 mm
26	eP	18 09 50	
26	1P	20 26 12	Compression 9 mm
27	eP	04 04 16	

D. Linehan, S. J. A.

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

Preliminary Bulletin

June
1939

No. 19

02	1P 1pP	03 52 24 52 57	
04	1P 1	00 43 29 47 02	Compression
04	e eM	01 35 10 38 00	
04	eP ? eL	12 29 50 59 00	
04	eL	16 29 00	
05	1P e	23 08 56 14 30	
07	eL	02 10 00	
08	eM	02 20 00	
08	e eL	15 59 10 16 26 00	
08	ePP 1PS	21 05 46 15 47	12,100 km.
09	1PP eS	00 22 30 28 09	
12	1P 1S	04 10 07 13 55	2450 km.
12	1L	16 07 08	
13	1P 1	20 59 04 21 02 27	
17	1L eM	12 56 00 13 02 00	
18	1P 1S	16 52 50 58 17	Compression 3,680 km.
19	1P eS ?	21 47 33 50 39	1780 km. <i>(V21) SRV</i>
20	1P eS	12 42 37 50 46	4140 km.
22	1P eS	19 30 57 40 24	8,000 km.

June
1939

WESTON, MASS.
Preliminary Bulletin

23	1L	21 08 20	
24	1L	00 15 20	
24	1L	12 04 40	
24	1L	13 22 20	
24	1L	16 47 40	
24	1P eS	17 21 36 22 54	533 km
27	1P i	15 26 17 26 30	Compression
27	1P i	15 44 56 45 10	Dilatation
27	1P 1PP	23 23 28 25 27	14,335 km.
28	1P e	11 43 55 53 28	Compression
29	1L	10 12 48	

Daniel Linehan, S.J.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE



Preliminary Bulletin

No. 20

July
1939

02	iP e	19 53 48 20 14 25
03	iP e	07 49 43 08 32 13
03	iP	15 38 56
04	iP iS	18 36 13 44 23
05	iP epP eS eSS	22 58 44 23 00 20 07 10 11 19
05	i	23 09 09
06	i i	01 23 36 25 07
06	e i	07 41 06 12
08	iP iS	15 44 59 45 25
08	i	21 38 20
10	e i	02 26 11 12.5
10	i i i	20 46 00 02 06
12	iP e	15 47 12.3 56 09
12	iP e	20 21 11 31 47
12	e i	23 17 34 21 36
13	Trace	03 57
13	Trace	17 52
14	iP	08 42 45
16	Trace	09 25
16	Trace	13 01
18	eP iS	03 34 15 40 25
18	iP	10 28 42
19	eP	23 35 37

7055 km.

220 km.

4555 km.

WASTON, MASS.
Preliminary Bulletin

July
1939

No. 10
(contin)



20	Trace	00 20
20	1P	02 40 40
	1	48 57
	1	57 23
21	6	17 39 10
22	1	00 12 48
	1	13 07
23	Trace	15 26
25	1	03 51 15
25	1	07 36 55
25	1P	20 00 27
	1S	48
27	6P	23 39 59
31	1	02 31 45
31	Trace	19 36

174 km.

James J. Devlin, 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

$h = 65$ meters
Gabbrodiorite.



Preliminary Bulletin

August
1939

No. 21

01	iP ipP	16 07 45 08 16	Deep Focus
02	eP eS	00 59 36 01 10 24	
03	Trace	03 27	
04	iP iP	12 44 11 01 10 21	
05	iP	09 35 50	
06	iP	18 02 27	
07	eP iP	01 55 50 06 30 34	
08	Trace	20 5"	
11	iP	06 08 04	
12	iP ^u ePP	02 26 05 27 46	
	iP iS	10 02 29 12 51	9500 km.
	iP i	19 51 54 52 11	Deep Focus?
14	iP ₁ iS ₁	10 46 08.3 16.0	70 km.
15	eP eS eP O	03 57 19 04 01 02 05 57 16 06 05 44	2350 km.
16	iP eP eS eS	17 13 48 14 09 19 19 19 41	3735 km. Apparently two shocks

19	eP ⁰ ePP	22 35 02 37 46	13 800 km
20	iP2 iS ₂	07 27 14 31	145 km
21	iP ⁰	15 30 12	
22	eP ⁰	00 19 42	
23	iP	02 42 38	
	Trace	05 05	
24	eP ⁰	14 57 27	
25	eP ⁰ ePP	04 07 12 09 02	
26	Trace	08 47	
	e	08 49 23	
27	iP	04 29 55	
28	eP e e	15 32 31 17 00 09 01 40	

James J. Devlin S.J.

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

September
1939

No. 22

02	eSSS	09 36 44
	eL	49 15
	eM	10 01 00

03	Trace	09 57
----	-------	-------

08	iP	12 16 02
	iS	25 12

7780 kms.
Comp. 8.5 mm. South 1.5 mm
East 1.2 mm.

11	iP	08 03 45
	eM	31 20

12	Trace	12 58
----	-------	-------

13	iP	16 13 31
----	----	----------

15	eM	12 48 46
----	----	----------

	eP	13 14 57
	eS ₁	15 06

	eP	22 00 11
	eM	26 48

	iP	23 16 07
--	----	----------

	iP	23 27 49
	iS	37 12

8100 kms.

16	iP	01 35 30
----	----	----------

	iP ₁	18 17 17
	iS ₂	17 41

219 kms.

18	Trace	19 35
----	-------	-------

	iP ₁	20 08 33.6
	iS ₁	08 47.7

115 kms.

	Trace	21 00
--	-------	-------

19	Trace	04 15
----	-------	-------

20	iP	00 30 25
	iS	39 36

7800 kms.

	iP _n	03 56 45.5
	iS _n ?	58 58

20	1P	07 02 34	
	1P ₀ P	03 23	
	eS	10 15	
	Trace	08 55	
21	Trace	12 33	
	1P	12 49 33	
	eS	54 15	1300 kms.
	eS	21 40 22	
	iH	48 26	4050 kms.
22	1P	00 47 47	
	1S	57 11	8000 kms.
25	Trace	17 46	
26	Trace	04 59	
28	1P	15 04 55	3560 kms.
	eS	10 07	Comp. 2 mm. North 1 mm. East .5 mm.
29	1P ₁	17 18 41.5	
	1S ₁	18 47.1	47 kms.
30	1P	03 29 42	

James J. Devlin S.J.

φ = 42° 23' 00" N
λ = 71° 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

October
1939

No. 23

04	1	16 13 03	
04	1	22 42 59	
	1	43 17	
	1	44 01	
05	1P ₁ 1S ₁	21 59 21.2 32	Blast?
06	eP	12 14 11	
07	eP ₁ 1 ePP	21 02 21 02 31 24 13	
08	1P 1pP?	00 01 23 51	
08	1S ₂ 1S ₁	00 49 27 30.9	
09	Trace	03 10	
10	eP 1S	18 45 11 56 18	Δ = 10000 kms.
11	1P ₁ 1S ₁	18 49 17.6 24.4	Δ = 55.5 kms
17	1P ₁ 1PP 1SKS	06 40 54 42 34 47 48	Δ = 13700 kms. h = ca. 100 kms.
17	1	06 44 22	On short period Benioff
17	1P e	06 54 50 58 10	On short period Benioff.
18	1P	11 55 18	Felt in New England. Record wiped out after P.
20	1P 1S	20 13 19 18 46	Δ = 3820 kms.
21	1S ₁	08 09 48	Local.
21	1P ₂ 1S ₂	09 00 08.5 28.5	Δ = 180 kms.

October
1959

No. 25
(Contin)

21	iP ₂ iS ₂	19 17 49.2 18 14.3	A = 230 kms.
22	iP ipP iS iS ₂	14 52 33 52 55 15 02 58 06 18	A = 9200 kms. h = 95 kms. Dilatation = 3 mm.
22	iP	17 34 47	
26	Trace	01 23	
27	W ₃ S ₃	01 37 59.4 38 06.4	A = 650 kms.

James J. Devlin 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



Preliminary Bulletin

November
1939

No. 24

02	1P	15 29 03	
02	e 1S ₁	17 04 24.0 35.9	A = 370 kms.
05	e 1S	20 42 13 14	Local
05	1P	02 10 48	
07	e 1S	02 43 17 24	
07	1P	15 49 12	
11	Trace	04 05	
11	1P ₂ 1S ₂	19 16 32.6 57.4	A = 203 kms. Blast.
13	1P _n 1S _n	07 52 56 58 40	A = 4045 kms. Compression = 3 mm.
15	1P ₂ 1S ₂	02 54 55 55 42.5	A = 425 kms.
17	1P	01 44 41	
21	1P 1	11 14 42 15 38	Microseisms very strong.
22	1P _n 1S _n	03 32 28 35 46	A = 1910 kms.
23	e 1L	15 20 58 22 33	
28	1P	02 16 34	
29	Trace	04 51	

Note: Preliminary Bulletin for October (No. 23)
18 1P 11 55 18 should read 19 1P etc.

James J. Devlin, S.J.
Seismologist

WESTON, MASS.

Gabbrodiorite.

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE



Preliminary Bulletin

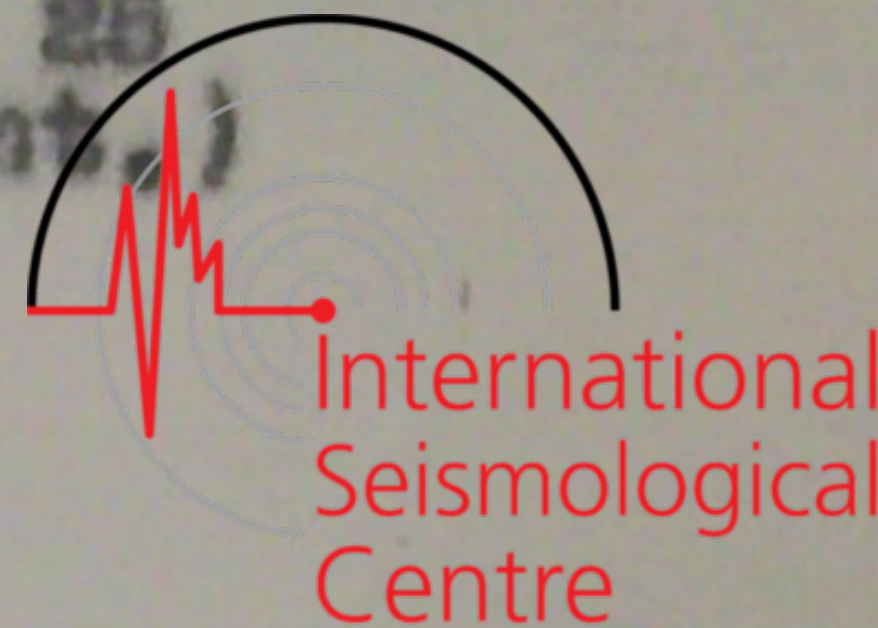
December
1939

No. 83

01	Trace	07 34	
01	1P ₂ sS ₂	19 32 20.5 43.5	A = 200 kms
01	1P ₁ 1	21 16 50.0 17 15.6	Local
02	e 2	08 53 33.6 50.3	Local
02	e 2	20 27 18.0 28.3	Local
05	1P	00 02 58	
05	1P 1S	08 36 48 42 02	A = 3690 kms. North = 3.0 mm; East 1.5 mm; Compression = 5.0mm.
07	1P 1pP?	11 27 12 39	
08	e 2	01 20 29 36	Local
11	eP eS e	02 09 21 13 18 30 01	A = 2390 kms.
11	e e	17 26 14 18	Local
11	e e	17 47 16 47	Local
12	1P ₂ 1S ₂	17 24 47.5 25 10.3	Quarry Blast
16	1P 1pP 1S 1sS	10 59 16 59 51 11 09 49 10 15	A = 9900 kms., h = ca. 100 kms. North = 8.0 mm; West = 2.5 mm. Dilatation = 4.0 mm
16	1P	14 22 41	
16	Trace	18 15	
17	eP	01 49 07	
17	eP 1	02 08 13 08 34	
17	Trace	01 25	

December
1939

No. 25
(Cont.)



18	e	10 40 08	
	e	43 12	
19	1P	19 19 03	
20	1P	13 22 29	
	1pP?	25 09	
21	1P	21 01 37	Δ = 3700 kms.
	1S	07 11	
21	1P	21 19 49	Aftershock of 21 01 37
22	1P	06 50 40	Aftershock of 21 01 37
	1S	56 22	
22	0S	07 13 14	Aftershock of 21 01 37
	1	18 34	
23	1P	12 36 49	
	1pP?	37 11	
	1PP?	39 49	
23	1P	17 17 54	Δ = 3900 kms.
	0S	23 31	
24	eP	18 59 40	Δ = 2400 kms.
	0S	19 03 40	
25	e	10 31 56	
26	1P	12 02 46	Δ = 2800 kms.
	1S	07 09	
26	Trace	22 08	
27	1P	00 09 10	Δ = 3500 kms.
	1S	19 05	
28	Trace	04 01	
28	Trace	12 36	
29	1P	17 33 55	

James J. Devlin, S.J.
Seismologist