

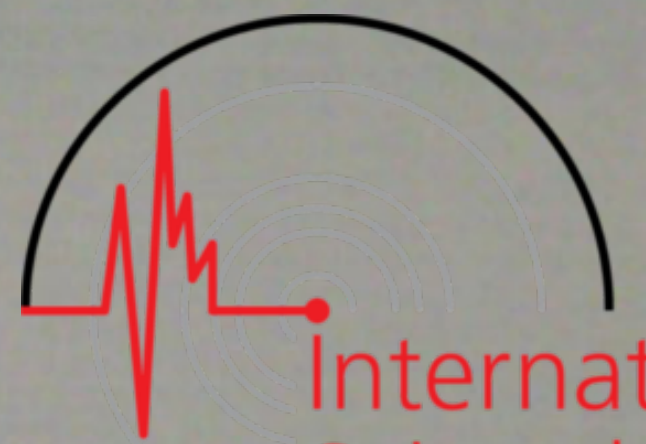
$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

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
1943

No. 62

05	eP	13 48 15	
07	iP	11 25 28	Compression
10	eL	10 10 21	
11	eLZ	20 36 58	
14	iP ₁ iS ₁	21 33 40 34 22 22	$\Delta = c. 350$ km. (219 mi.) West Central Maine
17	eL	17 21 01	
23	eP iP eS	17 35 24 35 27 39 42	Dil. to Southeast $\Delta = 24.1^{\circ}$
24	eP eS	20 48 25 53 36	$\Delta = 31.6^{\circ}$
25	eP	18 38 12	
27	eP eS	02 56 21 03 05 05	$\Delta = 67.4^{\circ}$
30	iP eS	05 41 15 47 50	Comp. to North $\Delta = 45.1^{\circ}$

E. R. Powers, S.J.
Seismologist

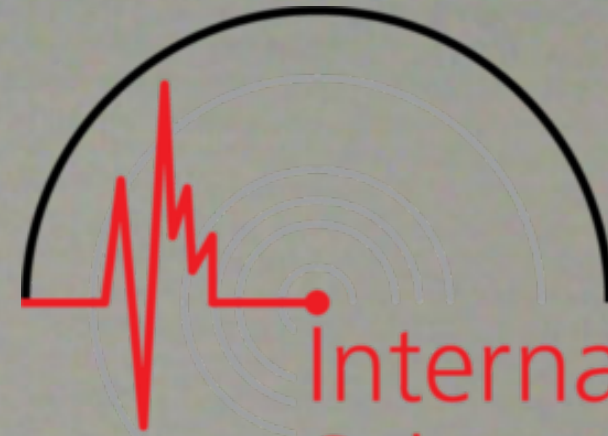
$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

WESTON, MASS.

BULLETIN

of the Weston College Seismological Observatory

$h = 65$ meters
Gabbrodiorite.



International
Seismological
Centre

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

*** PRELIMINARY BULLETIN ***

FEBRUARY
1943

No. 63

07 eL 05 24 43

07 eL 06 24 00

16 iP 07 38 06
eS 45 43

$\Delta = 54.4^{\circ}$ Dil.

20 eL 03 23 02

22 iP 09 27 44
eS 33 43

$\Delta = 39.1^{\circ}$ Comp.

23 eL 23 15 27

24 eP 04 31 02

28 eP 13 07 30
ePS? 19 31

$\Delta = 94^{\circ}?$

28 eP 16 42 41

E. R. Powers, 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

*** PRELIMINARY BULLETIN ***

MARCH
1943

No. 64

05	eP eS	00 39 15 45 01	$\Delta = 37.0^{\circ}$	
07	iP eS	03 12 46 21 48	$\Delta = 68.7^{\circ}$	Compression
09	eP ₁ iS ₁	03 27 36 29 16	$\Delta = 7.1^{\circ}$	
09	ePP ePS	10 07 42 17 04	$\Delta = 110^{\circ}$	
09	ePP?	20 02 12		
10	ePP?	08 34 12		
11	e eL	09 55 10 10 26 21		
12	eL	23 20 04		
14	eP' ePP	17 30 05 31 54	$\Delta = 126.5^{\circ}$	
14	iP epP eS	18 48 08 48 36 56 20	$\Delta = 65^{\circ}$ $h = 100$ km.	Dil. to South
15	eP' ePP	02 43 32 45 23	$\Delta = 126.5^{\circ}$	
15	eP' ePS	05 06 51 18 14	$\Delta = 121^{\circ}$	
15	eL	15 18 48		
15	ePP eS	23 17 59 25 12	$\Delta = 111.5^{\circ}$	$h = 300$ km.
16	eP eS?	09 59 51 10 06 05		
17	iP eS	23 08 28 17 12	$\Delta = 66.5^{\circ}$	Compression
21	ePP eSS	20 56 56 21 14 06	$\Delta = 132^{\circ}$	
25	e eS?	18 47 35 55 33		
26	iPP? eS	17 57 51 18 05 43		

E. R. Powers, 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 ***

APRIL
1943

No. 65

01	eP'	14 37 43		
03	eL	15 37 56		
04	eL	02 34 44		
06	iP	16 18 44	$\Delta = 72.9^{\circ}$	Comp. to North
	iS	28 13		
07	eP	13 18 33	$\Delta = 72.9^{\circ}$	
	iS	28 02		
07	iP	23 29 26	$\Delta = 72.9^{\circ}$	Compression
	iS	38 55		
09	iP'	09 07 46	$\Delta = 110^{\circ}$	Compression
	ePS	17 58		
15	eP	11 46 25	$\Delta = 72.7^{\circ}$	
	iS	55 53		
15	eP	17 36 15		
17	eP?	01 03 12		
19	iP	01 24 58	$\Delta = 26.9^{\circ}$	Dilatation
	eS	29 36		
23	iP	18 18 19		Dil. to South
	eL	39 04		
24	eL	22 01 50		
29	e	00 09 55		
	eL?	21 42		
29	iP	15 37 35	$\Delta = 84.7^{\circ}$	Compression
	eS	48 09		

E. R. Powers, 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 ***

MAY
1943

No. 66

02	iP eS	17 25 13 30 51	$\Delta = 35.7^{\circ}$	Comp. to North
03	eP' ePS	02 18 03 30 02	$\Delta = 124^{\circ}$	
03	eL	18 40 00		
09	eP _n eS _n	11 04 00 04 37	$\Delta = 03.1^{\circ}$	
13	e eL	23 25 25 41 41		
17	eL	17 38 26		
18	eP'?	06 25 11		
19	eL	06 04 20		
21	eL	07 48 32		
22	eP eS	09 13 27 22 52	$\Delta = 72.3^{\circ}$	
25	eP' ePS	23 26 42 39 22	$\Delta = 128.5^{\circ}$	
26	eP eS	10 38 51 44 53	$\Delta = 39.4^{\circ}$	
31	eL	02 39 28		

E. R. Powers, S. J.

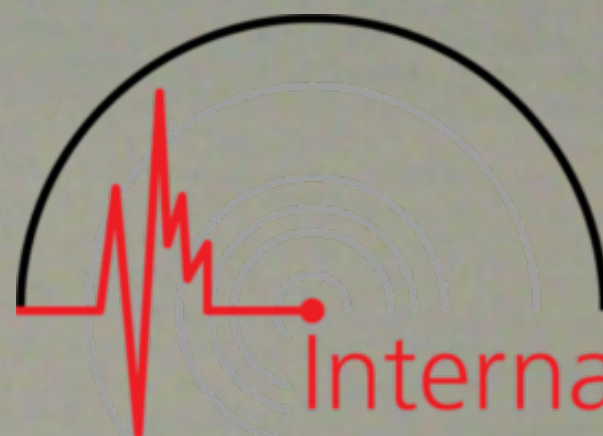
$\phi = 42^{\circ} 23' 00''$ N
 $\lambda = 71^{\circ} 19' 20''$ W

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 ***

JUNE
1943

NO. 67

01 eL 04 30 59

02 eP 05 30 02
eS 35 05

$\Delta = 30.3^{\circ}$

03 eL 12 51 00

03 eL 20 38 46

04 iP? 23 55 34

08 eP' 21 02 16
ePP 05 14
eSS 23 40

$\Delta = c.140^{\circ}$

09 iP' 03 26 00
ePS 38 32

$\Delta = 128.5^{\circ}$

10 eL 12 02 04

13 iP 05 24 45
iS 35 53

$\Delta = 94.0^{\circ}$

Compression

13 iP 08 50 03
eS 09 01 11

$\Delta = 94.0^{\circ}$

13 eP 17 52 18
eS 18 03 28

$\Delta = 94.5^{\circ}$

14 eL 17 42 59

15 eP 11 23 42
eS 34 42

$\Delta = 89.8^{\circ}$

15 eP 18 28 22
eS 33 50

$\Delta = 34.3^{\circ}$

15 eL 20 03 13

18 eL 14 27 06

20 iP 15 44 15
eS 53 34

$\Delta = 71.5^{\circ}$

Compression

20 eP 17 51 22
eS? 18 00 57

$\Delta = 73.8^{\circ}?$

23 eL 23 16 00

24 eP? 20 40 20
eL 21 12 00

28 eL 03 48 00

30 iP 20 22 42
eS 30 30

$\Delta = 56.0^{\circ}$

Dilatation

BULLETIN

of the Weston College Seismological Observatory

Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE



*** PRELIMINARY BULLETIN ***

JULY
1943

No. 68

04	eP	09 58 50	$\Delta = 35.0^\circ$	
	eS	10 04 23		
04	eL	13 48 42		
04	eL	22 16 02		
05	iP	21 17 45	$\Delta = 58.8^\circ$	Comp. to North
	eS	25 50		
06	eP?	13 19 25		
	e	24 01		
06	iP _n	22 10 58.6	$\Delta = 02.85^\circ$	
	iS _n	11 32		
07	eL	13 50 18		
09	iP	23 38 45	Dilatation	
11	eP?	02 29 10		
	eSS	48 20		
14	eL	11 09 10		
14	eL	20 41 08		
15	eP?	12 28 34		
19	eP	11 01 05		
21	eP	04 26 22		
	eS?	36 59		
22	eP'	02 17 24		
23	iP'	15 12 41	Compression	
	i	13 05		
	eSS	34 48		
28	iP	04 13 27	$\Delta = 55.5^\circ?$	Dilatation
	eS?	21 10		
29	eP	03 07 25	$\Delta = 23.2^\circ$	
	iS	11 39		
29	eP	11 47 55	$\Delta = 23.2^\circ$	
	eS	52 00		
30	eP	01 07 42	$\Delta = 23.2^\circ$	
	eS	11 49		
31	eP	03 27 21	$\Delta = 22.6^\circ?$	
	eS	31 21		
31	eP	20 07 55	$\Delta = 23.3^\circ$	
	eS	11 59		

During the period from July 29 to Aug. 15 there were 28 aftershocks of the quake of July 29 at 03 hours. Many of these were recorded only on the short-period instruments. The stronger shocks of July are given above.

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

AUGUST
1943

No. 69

01	eP	01 17 38	$\Delta = 22.8^{\circ}$	
	eS	21 40		
01	eP _n	14 22 42.5	$\Delta = 241$ km.	
	eS ₂	23 12.3		
01	iP	14 30 04	Compression	
01	e	16 37 15		
02	eP'	01 05 49		
	eSS?	28 00		
06	iP	12 15 28	Compression	
08	eP	00 43 55	$\Delta = 23.5^{\circ}$	
	eS	48 05		
09	eP?	05 37 05		
09	eP'	17 16 58		
10	eP	14 07 46		
10	eP	15 24 48	$\Delta = 72.3^{\circ}$	U.S.C.G.S. gives
	eS	34 13		54° N, 161° E
12	eP'	05 04 05		
13	eP	07 46 49		
	eL	08 00 30		
15	eP	00 18 40	$\Delta = 21.7^{\circ}$	
	eS	22 33		
20	e	01 41 09		
22	eP	11 14 16		
26	eL	01 42 06		
31	eL	15 46 08		
31	iP	16 17 15	$\Delta = 33^{\circ}$	Dilatation
	i	17 31	$h = 100$ km.??	
	iS	22 30		

Below are listed the origin times of Caribbean quakes recorded on the short-period instruments during August.

01^d 05^h 22^m 40^s
01 07 07 40
01 15 18 53
02 04 25 18
02 09 56 34

02^d 12^h 01^m 38^s
02 20 20 25
04 00 55 13
05 00 38 45
06 06 37 35

11^d 12^h 47^m 51^s
12 11 17 23
14 22 09 33
15 00 13 50

E. R. Powers, 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.



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

SEPTEMBER
1943

*** PRELIMINARY BULLETIN ***

No. 70

05 e 08 53 50
ePP 56 39
eSKKS 03 18

U.S.C.G.S. gives
 0° , 125° E

06 iP' 04 01 02
iPP 04 09
ePPS 17 06

$\Delta = 146^{\circ}$

U.S.C.G.S. gives
 53.2° S, 159.4° E

07 e 19 41 32
eL 48 26

10 eP 02 36 47
eS 40 57

$\Delta = 23.7^{\circ}$

U.S.C.G.S. gives
 18.9° N, 67.0° W

36 - 42
5 - 05
31 - 42

10 e 08 50 50
ePP 54 44
eS 09 02 21

$\Delta = 101^{\circ}$

U.S.C.G.S. gives
 35.1° N, 133.3° E

11 eL 02 02 10

11 e 19 59 12
eS 20 01 03
ePS 02 39

$\Delta = \text{ca. } 111^{\circ}$

U.S.C.G.S. gives
 16.5° S, 173° W

12 eL 23 49 50

14 eP 07 33 34
eP' 37 01
ePS 48 24

$\Delta = 123.5^{\circ}$

14 eL 15 05 50

17 eL 10 36 46

19 eP 04 59 59
eS? 05 10 08

20 eP 01 01 13
eS 07 10

$\Delta = 38.8^{\circ}$

U.S.C.G.S. gives
 19.5° N, 109°

21 eL 04 48 50

22 eP' 23 37 15
ePS 49 21

$\Delta = 126^{\circ}$

23 iP 15 07 08
e 07 29
iS 12 18

$\Delta = 31.4^{\circ}$

Compression
U.S.C.G.S. gives 15° N, 92° W

24 eL 12 17 20

26 eL 03 13 20

27 eP' 22 22 33
ePS? 33 49

28 eL 12 41 06

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

OCTOBER
1943

No. 71

01 eL 18 12 13

02 eL 11 40 28

03 eL? 01 20 30

04 eL 11 30 22

13 e 04 51 58

eL 05 00 22

16 iP 13 20 14

eS 29 33

$\Delta = 69.8^{\circ}$

Compression

17 eL 23 49 14

21 e 23 27 06

ePS? 36 52

eSS 43 12

22 e 16 30 25

eL 53 18

23 eP' 17 41 49

ePP 42 34

ePS 51 44

$\Delta = 111^{\circ}$

U.S.C.G.S. gives
 25° N, 92.5° E

24 eP 13 52 28

eS? 14 02 31

24 ePP 16 24 12

eS? 32 07

eSS 40 07

$\Delta = \text{ca. } 115^{\circ}$

24 iP 23 34 31

eS? 44 00

Compression

26 eL 05 10 06

E. R. Powers, 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.



Wiechert 80k NE

Benioff 100k (long and short period) NEZ

Bosch-Omori 25k NE

*** PRELIMINARY BULLETIN ***

NOVEMBER
1943

No. 72

02 eP 18 22 59
eS? 34 41

03 eP 14 41 06
eS 48 11

$\Delta = 49.8^{\circ}$

USCGS gives
62°N, 151°W

04 eP? 06 20 58
eL 40 38

04 eL 07 28 30

05 e 08 47 13

05 e 10 47 18
eL 52 20

06 eL 07 12 00

06 eP 08 48 30
eP' 50 59
iSKKS 09 00 38

$\Delta = 141^{\circ}$

USCGS gives
5.5°S, 134°E

07 eL 09 17 30

08 eP 07 07 42
eS 14 26

$\Delta = 46.4^{\circ}$

08 eL 23 30 20

09 eP 11 59 13
eS 12 09 42

$\Delta = 85.5^{\circ}$

13 eL 17 29 30

13 eSS? 19 21 00

15 eL 21 55 08

15 eL 23 59 30

16 eP 11 47 46
eS 55 46

$\Delta = 58.0^{\circ}$

18 eM 19 40 00

20 eL 00 40 50

20 eL 08 04 54

20 e 13 13 23

20 eL 19 14 50

21 e 19 48 44
eM 20 23 50

24 eL? 14 05 04

NOVEMBER (contd.)
1943

No. 72

26	e	21 44 34			
	e	47 25			
	e	47 55			
26	iP	22 32 09	Dil.	$\Delta = 74.7^\circ$	USCGS gives
	eS	41 50			41°N, 36°E
27	eL	09 34 00			
28	eL	07 12 12			
28	eP	17 22 52		$\Delta = 73.6^\circ?$	
	eS?	32 26			
29	eP	19 48 16		$\Delta = 69.2^\circ$	
	eS	57 21			

E. R. Powers, 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 ***

DECEMBER
1943

No. 73

01	iP'	06	23	57	$\Delta = 131^\circ$	Compression
	ePS		36	50		
01	iP	10	45	02	$\Delta = 63^\circ$	Compression
	ipP		45	22	$h = 100 \text{ km.}$	USCGS gives
	iS		53	22		$20.2^\circ\text{S}, 68.1^\circ\text{W}$
	isS		54	10		
02	eSS?	02	24	33		
02	eL	05	58	10		
03	eP	04	57	17		
	eSS?	05	17	08		
03	iP	07	05	44	$\Delta = 84.4^\circ$	Compression
	eS		16	07		
07	eP?	01	14	04		
	eL		23	00		
08	eSS?	19	51	21		
09	eL	03	50	56		
13	eL	17	02	20		
21	iP	13	52	25	$\Delta = 29.0^\circ$	Compression
	eS		57	18	USCGS gives	$13^\circ\text{N}, 70.5^\circ\text{W}$
22	eP	07	10	01		
	epP		10	30		
	eS?		16	32		
	e		17	30		
22	iP	12	59	13	$\Delta = 30.6^\circ$	Compression to North
	eS	13	04	17		
23	iP	16	02	10	$\Delta = 28.6^\circ$	Compression to North
	i		02	22	USCGS gives	$13.3^\circ\text{N}, 70.4^\circ\text{W}$
	eS		07	00		
23	eP'	19	19	02	$\Delta = 129^\circ$	USCGS gives
	eSKS		26	05		$6^\circ\text{S}, 152^\circ\text{E}$
	ePPS		32	28		
24	eP	01	06	19	$\Delta = 28.7^\circ$	
	eS		11	10		
24	eSS?	02	26	07		
	eL		41	00		
24	eM	06	07	28		
24	eM	12	46	20		
25	eL	05	27	24		
25	eP	08	24	41	$\Delta = 37.2^\circ$	
	eS		30	28		
30	eP'?	22	21	40		
	eSS?		40	58		

E. R. Powers, S. J.