

N E S A B U L L E T I N

January 1-31, 1947

Bulletin No. 193

***** (January 1) *****

Ottawa

P₂ 19 44 44
S₂ 45 02

Dist. = 155 km. (96.3 mi.)
H = 19 44.3

***** (January 3) *****

Ottawa

P₃ 20 17 17.5
P₂ 19
S₂ 46
S₁ 49

Dist. = 235 km. (146.0 mi.)
H = 20 16.7

***** (

***** (January 4) *****

Harvard

eP 13 51 38.1
iS 52 04.6
Dist. = ca. 240 km. (149 mi.)
This distance would locate the
disturbance at Greenwich.

Weston

e 13 52 05
Felt motion canvassed by Coast and
Geodetic Survey cards. 12 replies.
Felt by many at Stanford, Conn.,
intensity 4; felt by many at
Greenwich, Conn., intensity 5
(Modified Mercalli Scale).

Blast or quake?

***** (January 9) *****

Harvard

eP 21 21 22.5
eS₁ 42.7
Dist. = ca. 159 km. (98.3 mi.)
H = 21 20 56.8

Weston

eP₁? 21 21 24.8
iS₂ 48
Dist. = 177 km. (110 mi.)
H = 21 20 56.8

***** (January 11) *****

Ottawa

P₂ 21 06 19
S₂ 26

Dist. = 150 km. (93.2 mi.)
H = 21 05.9

- 2 -

***** (January 13) *****

Ottawa

P₂ 20 28 55.5
S₂ 29 13

Dist. = 150 km. (93.2 mi.)
H = 20 28.5

***** (January 19) *****

Ottawa

P₂ 00 45 30
S₂ 51.5

Dist. = 190 km. (118.1 mi.)
H = 00 45.0

***** (January 30) *****

Weston

e 13 57 08

Blast at Cambridge Gas Compressor, Cambridge,
Mass.? Felt by many in Cambridge and Belmont.

***** (January 30) *****

Ottawa

P₂ 18 39 00
S₂ 18

Dist. = 155 km., (96.3 mi.)
H = 18 38.6

J. I. Monagle, S. J.

N E S A B U L L E T I N

February 1-28, 1947

Bulletin No. 194

***** (February 1) *****

Fordham

P_n 19 59 03.5
 P₃ 05
 S₃ 27.5
 S₂ 28.5
 S₁ 31.5

Dist. = 205 km. (127.4 mi.)
 H = 19 58 32.4

***** (February 2) *****

Ottawa

P₂ 16 51 46
 S₅ 52 28
 S₂ 41
 Dist. = 490 km. (304.5 mi.)
 H = 16 50 27

Weston

eP₃ 16 51 55.5
 eS₂ 53 05
 iS₁ 22
 Dist. = 606 mi. (376.6 mi.)
 using H = 16 50 27

Quake?

***** (February 3) *****

Fordham

P_n 19 30 50.8
 P₃ 52.2
 P₁ 53.8
 S_n 31 14.2
 S₃ 15.2
 S₁ 19.5
 Dist. = 210 km. (130.5 mi.)
 H = 19 30 18.9

Weston

eS₃ 19 32 06
 eS₁ 22
 Dist. = 430 km. (267.2 mi.)
 H = 19 30 18.7

***** (February 5) *****

Ottawa

P₂ 19 58 39
 S₂ 57

Dist. = 155 km. (96.3 mi.)
 H = 19 58 13

***** (February 5) *****

Fordham

P₁ 21 00 42.5
S₃ 01 06.5
S₁ 11.2

Dist. = 210 km. (130.5 mi.)
H = 21 00 10.8

***** (February 7) *****

Ottawa

Weston

P₂ 20 20 00
S₂ 17.5
Dist. = 150 km. (93.2 mi.)
H = 20 19 35

i 20 21 19

***** (February 8) *****

Fordham

S phase:
21 22 16.8
58.8

***** (February 8) *****

Fordham

P₁ 21 23 14.5
S₁ 19
Another with P₁ 21 45 39.5

Dist. = 35 km. (21.7 mi.)
H = 21 23 08.8

***** (February 9) *****

Fordham

P₁ 02 58 41.5
S_n 59 02.5
S₂ 03.5

Dist. = 185 km. (115.0 mi.)
H = 02 58 12.5

***** (February 10) *****

Fordham

P_n 19 06 34
P₁ 35.5
S_n 56
S₃ 56.5
S₂ 57.5

Dist. = 195 km. (121.2 mi.)
H = 19 06 04

***** (February 10) *****

Fordham

P_n 19 45 51.5
P₃ 52
S₃ 46 12.2
S₂ 13.5
S₁ 14.2

Dist. = 181 km. (111.8 mi.)
H = 19 45 23.2

***** (February 10) *****

Fordham

P_n 20 06 28
P₃ 29
P₁ 30
S₂ 52
S₁ 54.5

Dist. = 196 km. (121.8 mi.)
H = 20 05 58

***** (February 11) *****

Fordham

P_n 21 18 35.5
P₃ 36.2
P₂ 36.5
S₂ 58.5
S₁ 19 00.8

Dist. = 190 km. (118.1 mi.)
H = 21 18 06.1

***** (February 12) *****

Fordham

P_n 00 13 28.5
S_n 53.8
S₂ 56.5
Dist. = 227 km. (141.0 mi.)
H = 00 12 54.8

Weston

e 00 14 41

***** (February 12) *****

Ottawa

P₂ 21 09 36
S₂ 56

Dist. = 170 km. (105.6 mi.)
H = 21 09 08

***** (February 14) *****

Fordham

P_n 02 15 29.5
P₃ 31
P₁ 32
S₃ 54.2
S₂ 55.5

Dist. = 216 km. (134.2 mi.)
H = 02 14 56.9

***** (February 14) *****

Fordham

S phases?
16 49 33
36.2
39.2
40
43
44.5
46.5
49
53
56.5

***** (February 14) *****

Fordham

P_n 18 01 51
P₃ 51.5
P₁ 51.8
S_n 02 11
S₂ 12
Dist. = 175 km. (108.7 mi.)
H = 18 01 23.4

Weston

i 18 02 20.7

***** (February 18) *****

Fordham

P_n 21 07 17.5
P₃ 18.5
P₁ 19.5
S₂ 42.2
S₁ 45.2
Dist. = 202 km. (125.5 mi.)
H = 21 06 46.8

Weston

i 21 08 50

*****February 19)*****

Fordham

P₁ 15 19 31
S₁ 33

Dist. = 15 km. (9.3 mi.)
H = 15 19 28.6

*****February 19)*****

Fordham

S phases:
19 29 26.8
27.2
27.8
29.2
30.8

*****February 20)*****

Fordham

P_n 23 16 30.5
S₁ 54.8

Dist. = 183 km. (113.7 mi.)
H = 23 16 01.9

*****February 21)*****

Fordham

P_n 20 19 18.5
P₃ 19
P₁ 19.5
S₁ 39.5
S₂ 40.5
S₁ 43

Dist. = 182 km. (113.1 mi.)
H = 20 18 50

*****February 23)*****

Ottawa

P₂ 21 31 23
S₂ 40
e 49

Dist. = 150 km. (93.2 mi.)
H = 21 30 58

***** (February 25) *****

Fordham

Weston

P_n 20 10 30
P₂ 30.8
S₂ 51.2
S₁ 53.2
Dist. = 177 km. (110.0 mi.)
H = 20 10 02.1

e 20 11 57

***** (February 26) *****

Fordham

Weston

P_n 19 46 43.5
P₃ 45
P₁ 45.8
S₁ 47 12
Dist. = 207 km. (128.6 mi.)
H = 19 46 12.2

e 19 48 07

J. I. Monagle, S.J.

N E S A B U L L E T I N

March 1-31, 1947

Bulletin No. 195

***** (March 1) *****

Fordham

eP 21 11 08.5
 iS 35.5
 Dist. = 235 km. (146.0 mi.)
 H = 21 10 33.8

Weston

e 21 12 39.5
 i 44.5

***** (March 1) *****

Fordham

eP_n 20 11 57.5
 P₁ 59.8
 S₂ 12 22.5

Dist. = 205 km. (127.4 mi.)
 H = 20 11 26.3

***** (March 1) *****

Weston

i 21 31 29D

***** (March 3) *****

Weston

eP₁ 22 25 17
 iS₁ 28.5

Dist. = 91 km. (56.9 mi.)
 H = 22 25 02.2

***** (March 4) *****

Fordham

eP_n 19 00 16.5
 iS₃ 40
 S₁ 44
 Dist. = 202 km. (125.5 mi.)
 H = 18 59 45.7

Weston

e 19 01 46.5

***** (March 7) *****

Fordham

eP₃ 11 00 49.5
iS₂ 01 09.5
S₁ 11.5

Dist. = 170 km. (105.6 mi.)
H = 11 00 22.5

***** (March 7) *****

Fordham

S phases:-

15 34 27
29
31
33
34.5
35
37
38
39.3
43.5

Weston

e 15 35 38

***** (March 7) *****

Weston

e 16 01 21.7

***** (March 7) *****

Fordham

eP_n 17 32 54
P₃ 55
P₁ 55.5
S 33 16.5
S₁ 19.8
Dist. = 192.5 km. (119.6 mi.)
H = 17 32 24.3

Weston

e 17 34 08
e 22.6

***** (March 7) *****

Fordham

S phases:-
17 48 58
49 01

***** (March 7) *****

Fordham

eP₁ 19 09 47.5
iS 57.5
S₁ 59.8
New Jersey Quake?

Dist. = 97.5 km. (60.6 mi.)
H = 19 09 31.6

***** (March 7) *****

Weston

e 20 09 13

***** (March 8) *****

Fordham

eP₂ 18 43 34.5
iS₂ 52.8
S₁ 54.2
Dist. = 153 km. (95.1 mi.)
H = 18 43 09.7

Weston

e 18 44 09

***** (March 9) *****

Fordham

eP₃ 03 02 42.5
iS₂ 03 03
S₁ 04.5
Dist. = 171 km. (106.3 mi.)
H = 03 02 15.4

Weston

e 03 04 06
e 05 00

***** (March 10)*****

Fordham

08 57 56)
08 57 58.8) Two local blasts?

***** (March 10)*****

Fordham

12 03 59)
12 04 01) Two local blasts?

***** (March 10)*****

Fordham

eP _n	20 06	25.3	Dist. = 192.5 km. (119.6 mi.)
P ₃		26	H = 20 05 55.6
S ₃		47.6	
S ₂		48.3	

***** (March 10)*****

Fordham

20 51 35)
20 51 38.5) Two local blasts?

***** (March 11)*****

Fordham

04 05 25.5 Local blast

***** (March 11)*****

Fordham

07 50 45 Local blast

***** (March 11)*****

Weston

i 23 08 22.7 Teleseism?

***** (March 12)*****

Fordham

eP 17 49 01.5
iS 02.8

Dist. = 9 km. (5.6 mi.)
H = 17 49 00.0

***** (March 12)*****

Fordham

eP 20 05 35
iS 36.3
Dist. = 9 km. (5.6 mi.)
H = 20 05 33.5

Weston

e 20 06 41.3

***** (March 12)*****

Fordham

eP 20 18 46.5
iS 47

Dist. = 2 km. (1.2 mi.)
H = 20 18 46.2

***** (March 13)*****

Fordham

eP 00 33 59.5
iS 34 00

Dist. = 2 km. (1.2 mi.)
H = 00 33 59.1

***** (March 13)*****

Fordham

eP 03 47 57.5
iS 59

Dist. = 10 km. (6.2 mi.)
H = 03 47 55.9

***** (March 13)*****

Fordham

eP 07 17 53
iS 54.5

Dist. = 10 km. (6.2 mi.)
H = 07 17 51.4

***** (March 14) *****

Fordham

12 58 23.5
25.7
31

S phase of strong local
" " " " "
" " " " "

***** (March 14) *****

Fordham

eP 15 29 58
iS 59.8

Dist. = 13 km. (8.1 mi.)
H = 15 29 55.9

***** (March 14) *****

Fordham

15 30 02

S phase of strong local

***** (March 14) *****

Fordham

eP 22 44 46
iS 47.5

Dist. = 11 km. (6.8 mi.)
H = 22 44 44.2

***** (March 15) *****

Fordham

eP 12 48 35.3
iS 37

Dist. = 12 km. (7.4 mi.)
H = 12 48 33.4

***** (March 15) *****

Fordham

eP 12 49 46.5
iS 48

Dist. = 10 km. (6.2 mi.)
H = 12 49 44.9

***** (March 15) *****

Fordham

eP 19 42 48
iS 49.5

Dist. = 11 km. (6.8 mi.)
H = 19 42 46.2

***** (March 15) *****

Fordham

eP 20 40 10.5
iS 12

Dist. = 11 km. (6.8 mi.)
H = 20 40 08.6

***** (March 15) *****

Fordham

23 40 20 Local Blast.

***** (March 17) *****

Fordham

Weston

eP_n 16 12 35
P₃ 36
P₁ 37
iS₂ 58
S₁ 13 01.5
Dist. = 197.5 km. (122.7 mi.)
H = 16 12 04.7

e 16 13 49.5
e 14 03.8

***** (March 18) *****

Fordham

Weston

eP₃ 20 06 43.5
P₁ 44.3
iS₃ 07 03.5
S₁ 05.5
Dist. = 170 km. (105.6 mi.)
H = 20 06 16.5

i 20 08 04.3
i 11.2

***** (March 19) *****

Fordham

Weston

15 49 34.5 S phase.

e 15 50 42.2

***** (March 19) *****

Fordham

Weston

S phases:-

e 19 38 26

19 37 22.5
26.5
31
33.5
37

***** (March 20) *****

Fordham

19 26 13.5 S phase

***** (March 22) *****

Fordham

Weston

S phases:-

e 15 01 02.5

15 00 46
47
47.8
48.5

15 01 03
03.5
04.5
05

***** (March 23) *****

Fordham

Weston

eP_n 18 42 16.3
iS_n 40.5
S₂ 41.2
S₁ 43.7
Dist. = 205 km. (127.4 mi.)
H = 18 41 45.1

i 18 43 48

***** (March 24) *****

Fordham

Weston

eP_n 19 58 06
P₃ 06.5
iS₂ 27.7
S₁ 30
Dist. = 178.5 km. (110.9 mi.)
H = 19 57 38

e 19 59 22
e 35.7

***** (March 24) *****

Fordham

20 52 26 S phase

***** (March 25) *****

Weston

e 19 57 40

***** (March 25) *****

Weston

e 20 19 15

***** (March 26) *****

Weston

i 16 19 05

***** (March 26) *****

Weston

i 17 03 42

***** (March 26) *****

Weston

e 18 45 13

***** (March 27) *****

Fordham

S phases:-

19 35 12.7
14.5
16
18
19

***** (March 28) *****

Fordham

S phases:-

21 02 34
36

***** (March 29) *****

Weston

e 12 31 30

***** (March 29) *****

Fordham

eP 19 31 59.5
iS 32 24.5

Dist. = 212 km. (131.7 mi.)

***** (March 29) *****

Fordham

eP 22 12 38
iS 55

Dist. = 143 km. (88.8 mi.)
H = 22 12 14.7

***** (March 31) *****

Fordham

eP₃ 19 30 30
iP₁ 30.7
eS₂ 54
iS₁ 56.5

Dist. = 206 km. (128.0 mi.)
H = 19 29 57.4

J. I. Monagle, S.J.

N E S A B U L L E T I N



April 1-30, 1947

Bulletin No. 196

***** (April 1) *****

Fordham

iP₁ 13 26 00
iS₁ 05
Dist. = 40 km. (24.8 mi.)
H = 13 25 53.5

Williamstown

iP 13 26 26.2
iS 50.0
Dist. = 213 km. (132.4 mi.)
H = 13 25 54.1

Weston

eS_n 13 27 09
Dist. = 569 km. (353.6 mi.)
using H = 13 25 53.5

Fordham reports this as felt at Pompton Lakes, New Jersey.
No blasting in the vicinity. This seems to be a local quake.
(41°01'N., 74°18' W.).

***** (April 2) *****

Williamstown

iP₁ 23 05 54.5
i 59.0
iS₁ 06 03.0
Dist. = 69 km. (42.9 mi.)
H = 23 05 43.3
Blast?

Weston

eP₁ 23 06 17.8
iS₂ 40.5
Dist. = 211 km. (131.1 mi.)
H = 23 05 43.3

***** (April 3) *****

Ottawa

P₂ 22 15 24
S₂ 41
e 48

Dist. = 150 km. (93.2 mi.)
H = 22 14 59

***** (April 8) *****

Weston

e 22 54 15
i 19
e 20

***** (April 9) *****

Weston

iP 18 07 36 ?
iS? 49.7

***** (April 11) *****

Weston

e 08 54 -- What looks like a quake lasting about
2 minutes.

***** (April 14) *****

Harvard

iP₁ 20 04 05.0 SW
iS₁ 22.8
Dist. = 142 km. (88.2 mi.)
H = 20 03 41.8

Blast.

Weston

iP₁ 20 04 06.0 CNE
iS₃ 23.8
iL₃ 34
Dist. = 149 km. (92.6 mi.)
H = 20 03 41.7

***** (April 17) *****

Weston

iP 15 56 42.8

***** (April 17) *****

Weston

e 16 13 19

***** (April 17) *****

Weston

e 21 37 04

***** (April 18) *****

Weston

e 16 10 28

***** (April 18)*****

Weston

e 22 31 12

***** (April 19)*****

Harvard

P 19 44 25.8
S 57.0
58.4
Dist. = 288 km. (179 mi.)
H = 19 43 44.6

Weston

i 19 45 01.7

***** (April 23)*****

Weston

eP 04 54 02
eS 58 10

Dist. = 23.6
H = 04 48 47. Caribbean Quake.

***** (April 23)*****

Harvard

iP₁ 18 23 49.6
iS₁ 53.6
iL 54.5
Dist. = 32 km. (19.9 mi.)
H = 18 23 44.4

Weston

i 18 24 00

Blast at Dracut, Mass. (Courtesy of Mary P. Collins)

***** (April 24)*****

Harvard

iP₁ 15 56 59.0
iS₁ 57 05.2
iQ 06.5
iR 08.0
Dist. = 49 km. (30.4 mi.)
H = 15 56 51.0

Weston

i 15 57 03.0

Blast at Swampscott, Mass. (Courtesy of Mary P. Collins)

***** (April 25)*****

Weston

i 01 43 37.6

***** (April 28)*****

Weston

iP 14 59 55.5

***** (April 28)*****

Weston

iP 17 40 00.6

***** (April 28)*****

Weston

e 22 08 50.5

***** (April 29)*****

Weston

eP 15 03 49
e 04 09

J. I. Monagle, S.J.

N E S A B U L L E T I N



May 1-31, 1947

Bulletin No. 197

***** (May 1) *****

Harvard

Weston

iP₁ 19 34 29.2

iS 46.6

Dist. = 142.2 km. (88.3 mi.)

H = 19 34 06.0

iP₁ 19 34 31.0

iS₃ 48.5

Dist. = 153 km. (95.1 mi.)

H = 19 34 06.0

Quarry Blast at Plainville, Conn. (Courtesy of Mary P. Collins).

***** (May 1) *****

Harvard

Weston

iP₁ 20 04 29.0

iS₂ 46.4

Dist. = 142.2 km. (88.3 mi.)

H = 20 04 05.8

iP₁ 20 04 31.0

iS₃ 48.5

Dist. = 153 km. (95.1 mi.)

H = 20 04 06.0

Another quarry blast at Plainville, Conn. (Courtesy of Mary P. Collins)

***** (May 1) *****

Weston

e 20 10 56

***** (May 2) *****

Weston

e 07 04 03.8

e 11.0

i 42.8

i 52.0

***** (May 3) *****

Weston

e 21 13 40

***** (May 5) *****

Weston

e 18 30 54

***** (May 6)*****

Weston

eL 01 12 39

***** (May 6)*****

Weston

i 21 01 21
i 40

***** (May 6)*****

Weston

e 21 31 08
i 17

***** (May 6)*****

Weston

e 22 42 07

***** (May 7)*****

Weston

i 11 22 36

***** (May 8)*****

Weston

i 20 09 00

***** (May 9)*****

Weston

e 19 47 50.5

***** (May 10)*****

Weston

i 18 55 07
i 21

***** (May 12)*****

Weston

iP 14 59 07

***** (May 13)*****

Weston

iP 13 26 01

***** (May 13)*****

Weston

iL 20 14 56.5

***** (May 15)*****

Weston

iP₂ 19 59 36.0 DSW
iS₃ 54.8
iL 20 00 05.5

Dist. = 157 km. (97.5 mi.)
H = 19 59 10.6
Blast.

***** (May 16)*****

Weston

e 15 45 56.5

***** (May 19)*****

Weston

iP 20 14 05.0

***** (May 23)*****

Weston

iP₁ 17 19 43.5
iS₁ 47.5
iL 49.3
Dist. = 31 km. (19.3 mi.)
H = 17 19 38.4

Harvard

P 17 19 45.7
S 52
Dist. = 51.5 km. (32 mi.)
H = 17 19 37.1

Quarry Blast at Swampscott, Mass, 42°28'N., 70°56' W. (Courtesy of Mary P. Collins).

***** (May 23)*****

Weston

iP₁ 18 55 32
iS₁ 36
iL 37.5
Dist. = 31 km. (19.3 mi.)
H = 18 55 26.9

Harvard

S 18 55 40
Dist. = 51.5 km. (32 mi.)
H = 18 55 25

Another quarry blast at Swampscott, Mass.

***** (May 23)*****

Weston

e 20 32 48

***** (May 23)*****

Weston

e 20 51 55

***** (May 31)*****

Ottawa

P₂ 15 04 09
S₂ 29.5
e₂ 36

Dist. = 180 km. (111.8 mi.)
H = 15 03 39

J. I. Monagle, S.J.

N E S A B U L L E T I N



June 1-30, 1947

Bulletin No. 198

***** (June 1) *****

Weston

eP? 17 32 24.5
eL? 33 17.5

***** (June 1) *****

Weston

e 22 29 18

***** (June 2) *****

Weston

e 04 11 29

***** (June 2) *****

Harvard

iP 19 31 02.6
iS 14.9
Dist. = 97 km. (60.3 mi.)
H = 19 30 46.9

Weston

iP₁ 19 31 05 DSW
iS₁ 18.0
iL 25
Dist. = 103 km. (64.0 mi.)
H = 19 30 48.2

Blast at Westfield, Mass. (Courtesy of Mary P. Collins).

***** (June 5) *****

Ottawa

P₂ 20 15 26.5
S₂ 57.5
e 16 19

Dist. = 275 km. (170.9 mi.)
H = 20 14 42

***** (June 7) *****

Weston

iP₁ 18 02 55.0
iS₁ 59.2
iL 03 00.5

Dist. = 32 km. (19.9 mi.)
H = 18 02 49.8

***** (June 9)*****

Harvard

iP 11 01 23.8
i 25.4
i 29.0
iS 29.7
Dist. = 47 km. (29.2 mi.)
H = 11 01 16.8
Blast or Quake?

Weston

iP₁ 11 01 26.7
iS₁ 33.3
iL 35
Dist. = 52 km. (32.3 mi.)
H = 11 01 18.2

***** (June 12)*****

Ottawa

P₂ 18 15 02
S₂ 20.5
e 27

Dist. = 160 km. (99.4 mi.)
H = 18 14 36

***** (June 12)*****

Ottawa

P₂ 23 03 36
i 37.6
S₂ 54
I 57
e 04 03

Dist. = 155 km. (96.3 mi.)
H = 23 03 10

***** (June 14)*****

Harvard

iP₁ 20 00 04.2 CSW
iS₁ 17.3
Dist. = 106 km. (65.9 mi.)
H = 19 57 47.0
Probably a Blast.

Weston

iP₁ 20 00 06.3
iS₁ 22
Dist. = 121 km. (75.2 mi.)
H = 19 57 47.0

***** (June 17)*****

Weston

iP 14 48 40.0
iS 43.6
iL 45
Dist. = 27 km. (16.8 mi.)
H = 14 48 35.6

Harvard

iP 14 48 42.5
iS 48.8
Q 50.2
R 51.6
Dist. = 50 km. (31.1 mi.)
H = 14 48 34.4

***** (June 17) *****

Weston

iP 15 44 15.5
iS 19.3
iL 20.5
Dist. = 27 km. (16.8 mi.)
H = 15 44 11.1

Harvard

iP 15 44 18.2
iS 24.3
Q 26.1
R 27.5
Dist. = 47 km. (29.2 mi.)
H = 15 44 10.5

Two Blasts at Swampscott, Mass. (Courtesy of Mary P. Collins).

***** (June 18) *****

Ottawa

e 22 06 30.8
e 32
Dist. = ca. 3.5 mi.
Blast at Dibblee Quarries. (Courtesy of W. W. Doxsee).

***** (June 23) *****

Ottawa

P₂ 21 13 57.5
S₂ 14 21
e 33
Dist. = 205 km. (127.4 mi.)
H = 21 13 24

***** (June 24) *****

Ottawa

P₂ 21 29 16
S₂ 33.5
e 42
Dist. = 150 km. (93.2 mi.)
H = 21 28 51

***** (June 25) *****

Harvard

iP₁ 19 26 19
iS₁ 23.7
iL 25
Dist. = 37 km. (23 mi.)
H = 19 26 13

Weston

eL 19 26 27

***** (June 25) *****

Harvard

eP 19 33 25
eS 44

Dist. = 160 km. (99.4 mi.)

Weston

e 19 33 39
e 51

***** (June 25) *****

Harvard

eP 22 25 39
eS 59

Dist. = 170 km. (105.6 mi.)

Weston

eP 22 25 40
eS 26 04

J. I. Monagle, S.J.

N E S A B U L L E T I N



July 1-31, 1947

Bulletin No. 199

***** (July 1) *****

Fordham

iP₁ 19 45 40.5
iS₁ 53.5
Dist. = 107 km. (66.5 mi.)
H = 19 45 23.1

Harvard

iP 19 45 48.8
iS 46 07.8
Dist. = 165.3 km. (102.5 mi.)
H = 19 45 22.4

Weston

eP_n 19 45 50.5
iP₃ 51.0
iS_n 46 10.8
Dist. = 177 km. (110 mi.)
H = 19 45 22.6

Blast at North Branford, Conn. (41°20'10" N., 72°47'34" W.).
Courtesy of Mary P. Collins.

***** (July 9) *****

Weston

i 00 23 46
i 24 01.5

***** (July 12) *****

Harvard

iP 18 40 39.8
iS 53.1
Dist. = 101.6 km. (63.4 mi.)
H = 18 40 23.2

Weston

iP 18 40 42.0
iS 56
Dist. = 116 km. (72.1 mi.)
H = 18 40 23.2

Blast at Westfield, Mass. Courtesy of Mary P. Collins.

***** (July 17) *****

Ottawa

P₂ 21 26 09
S₂ 26.5
e 34

Dist. = 150 km. (93.2 mi.)
H = 21 25 44

***** (July 23) *****

Weston

eP 05 18 58
eS 22 51
eT 41 01

Dist. = 21.6, H = 05 14 05
17°N., 68°5W., off South West coast
of Puerto Rico.

***** (July 23) *****

Ottawa

P₂ 22 26 14
S₂ 32
i 35
e 39

Dist. = 155 km. (96.3 mi.)
H = 22 25 48

***** (July 25) *****

Weston

iP₁ 09 30 09.00
iS₁ 11.2
iL 12.0

Dist. = 16 km. (9.9 mi.)
H = 09 30 06.2
Seems to be a Quake.

***** (July 25) *****

Harvard

iP 19 59 53.0
iS 20 00 14.2
Dist. = 190 km. (118.1 mi.)
H = 19 59 22.6

Weston

eP_n 19 59 54.5
eS_n 20 00 18
Dist. = 210 km. (130.5 mi.)
H = 19 59 22.6

***** (July 26) *****

Weston

eP 22 56 57.5
eS 23 01 03

Dist. = 23.2, H = 22 51 48
Caribbean Quake.

***** (July 28) *****

Weston

eP₁ 13 49 24
iS₁ 26
Dist. = 15 km. (9.3 mi.)
H = 13 49 21.8
Quarry Blast at General Crushed Stone, Winchester, Mass.
Courtesy of Mary P. Collins.

Harvard

iP 13 49 27.3
iS 31.5
iL 33.8
Dist. = 35.2 km. (21.7 mi.)

***** (July 30) *****

Weston

eP 04 14 57
eS 18 52
eT 38 10

Dist. = 21.8, H = 04 10 02
Caribbean Quake.

***** (July 30) *****

Weston

iP₁ 14 28 43 E
iS₁ 47.8
Dist. = 37 km. (23.0 mi.)
H = 14 28 27.0

Harvard

iS₁ 14 28 51.8
iL 55.0
Dist. = 51 km. (31.7 mi.)
H = 14 28 27.0

***** (July 31) *****

Ottawa

P₂ 15 51 39
S₂ 56

Dist. = 150 km. (93.2 mi.)
H = 15 51 15

***** (July 31) *****

Weston

iS 17 30 12.5

Blast at Saugus, Mass. Courtesy of Mary P. Collins.

Harvard

iS 17 30 18.8
iL 19.9

J. I. Monagle, S.J.

N E S A B U L L E T I N

August 1-31, 1947

Bulletin No. 200

***** (August 2) *****

Ottawa

P₂ 19 57 18.5
S₂ 36
e 44

Dist. = 150 km. (93.2 mi.)
H = 19 56 54

***** (August 4) *****

Weston

Harvard

eP₁ 14 19 15
iS₁ 17.2
Dist. = 17 km. (10.6 mi.)
H = 14 19 12.2

iP 14 19 17.9
iS 21.9
iL 24.2
Dist. Meas. = 35.2 km. (21.7 mi.)

Blast at Winchester, Mass. (Courtesy of Mary P. Collins.)

***** (August 4) *****

Harvard

Weston

iP 20 55 55.4
iS 56 08.0
Dist. Meas. = 101.6 km. (63.1 mi.)

iP₁ 20 55 57
iS₁ 56 10.5
Dist. = 107 km. (66.5 mi.)
H = 20 55 39.6

Blast at Westfield, Mass. (Courtesy of Mary P. Collins.)

***** (August 5) *****

Weston

eP₁ 18 32 44.5
eS₁ 48.5
iL 50.8

Dist. = 31 km. (19.3 mi.)
H = 18 32 39.4

***** (August 5) *****

Ottawa

P₂ 21 56 57.5
S₂ 57 15
e 57.6

Dist. = 150 km. (93.2 mi.)
H = 21 56 32.5

***** (August 6) *****

Weston

eP 20 11 17.5
eS 15 20

Dist. = 22°6
H = 20 06 14
Caribbean Quake.

***** (August 6) *****

Weston

eP 20 39 15
eS 43 15

Dist. = 22°6
H = 20 24 12
Caribbean Quake.

***** (August 6) *****

Weston

iP 23 33 18
eS 37 20

Dist. = 22.6
H = 23 28 14
Caribbean Quake.

***** (August 7) *****

Weston

iP 00 45 25
iS₂ 49 28
iS 49 42

Dist. = 22°9
H = 00 40 18
USCGS : 19.8 N., 75.8 W., off coast
of Santiago, Cuba.

***** (August 7) *****

Weston

eP 19 16 38
eS 20 41

Dist. = 22°6
H = 19 11 34
Caribbean Quake?

***** (August 7) *****

Weston

iP 22 12 07.5
e? 16 05
iS 16 09

Dist. = 22°6
H = 22 07 03
Caribbean Quake.

***** (August 8) *****

Weston

eP 06 34 26
eS 38 30

Dist. = 22°6
H = 06 29 22
Caribbean Quake?

***** (August 9) *****

Weston

eP 04 00 27.5
eS 04 25
i 33

Dist. = 22°2
H = 03 55 29
Caribbean Quake?

***** (August 14) *****

Ottawa

P₁ 02 18 48.5
S₁ 59.5

Dist. = 90 km. (55.9 mi.)
H = 02 18 32
Probably Cornwall, Ont.

***** (August 15) *****

Weston

iP₁ 14 33 33.2
iS₁ 37.5

Dist. = 33 km. (20.5 mi.)
H = 14 33 27.8. Blast.

***** (August 16) *****

Weston

iP₁ 20 06 33.8
iS₁ 48.3

Dist. = 115 km. (71.4 mi.)
H = 20 06 15.1

***** (August 16) *****

Ottawa

P₂ 20 33 03.5
S₂ 21.5
e 30

Dist. = 150 km. (93.2 mi.)
H = 20 32 38

***** (August 17) *****

Ottawa

P₂ 20 21 58.5
S₂ 22 16
e 22 24

Dist. = 150 km. (93.2 mi.)
H = 20 21 33

***** (August 19) *****

Ottawa

P₂ 20 06 27.7
S₂ 45.5
S₁ 47.0
e 53

Dist. = 150 km. (93.2 mi.)
H = 20 06 00

***** (August 19) *****

Weston

iP₁ 20 28 38.5
iS₁ 42.0

Dist. = 27 km. (16.8 mi.)
H = 20 28 34

***** (August 19) *****

Ottawa

P_n 21 25 39.5
P₂ 42
S_n 26 09.4
S₂ 12.0
L 34

Dist. = 265 km. (164.7 mi.)
H = 21 25 00

***** (August 20) *****

Ottawa

P₂ 11 50 47.0
S₂ 51 06.0
e 11

Dist. = 160 km. (99.4 mi.)
H = 11 50 17

***** (August 20) *****

Weston

iP₁ 14 01 03.8
iS₁ 06.0

Dist. = 16 km. (9.9 mi.)
H = 14 01 01.2

***** (August 20) *****

Ottawa

P₂ 19 52 59.0
S₂ 53 16.5
e 24

Dist. = 150 km. (93.2 mi.)
H = 19 52 31

***** (August 22) *****

Weston

iP 15 04 05
iS 09.3
iL 11

Dist. = 48 km. (29.8 mi.)
H = 15 03 55.2

***** (August 24) *****

Weston

eP 09 25 34
i 57
eS₂ 29 53
iS₄₋₅ 30 05
eT 48 50

Dist. = 24.9
H = 09 20 08
Caribbean Quake.

***** (August 27) *****

Ottawa

P₂ 20 03 36.0
S₂ 54.0
S₁ 57.0
e 04 03

Dist. = 150 km. (93.2 mi.)
H = 20 03 08

***** (August 28) *****

Ottawa

P₂ 22 12 49.5
P₁ 51
S₂ 13 07.3
e 15

Dist. = 150 km. (93.2 mi.)
H = 22 12 21

***** (August 30) *****

Ottawa

P₂ 20 28 25.0
P₁ 26.3
S₂ 44.5
S₁ 46
e 51.5

Dist. = 165 km. (102.5 mi.)
H = 20 27 54.5

N E S A B U L L E T I N



September 1-30, 1947

Bulletin No. 201

***** (September 1) *****

Ottawa

P₂ 13 32 55.5
S₂ 33 22
S₁ 26.5

Dist. = 225 km. (139.8 mi.)
H = 13 32 14

***** (September 2) *****

Ottawa

P₂ 16 47 25
S₂ 42

Dist. = 145 km. (90.1 mi.)
H = 16 46 58

***** (September 5) *****

Ottawa

P₂ 20 52 47
P₁ 48
S₂ 53 10.5

Dist. = 200 km. (124.3 mi.)
H = 20 52 10

***** (September 6) *****

Ottawa

P₂ 17 59 24.5
S₂ 41.5

Dist. = 145 km. (90.1 mi.)
H = 17 58 58

***** (September 6) *****

Ottawa

P₁ 21 35 24.5
S₁ 36

Dist. = 100 km. (62.1 mi.)
H = 21 35 06

***** (September 14) *****

Ottawa

P₃ 19 30 54.5
P₂ 31 05.5
S₃ 49
S₂ 32 06.5

Dist. = 540 km. (335.5 mi.)
H = 19 29 29

***** (September 16) *****

Weston

$1P_1$ 14 29 44.2
 $1S_1$ 48.3

Dist. = 31 km. (19.3 mi.)
H = 14 29 39.2

***** (September 16) *****

Ottawa

P_2 20 46 18
 S_2 35.5

Dist. = 150 km. (93.2 mi.)
H = 20 45 53

***** (September 17) *****

Ottawa

P_2 18 56 11
 S_2 30

Dist. = 165 km. (102.5 mi.)
H = 18 55 44

***** (September 18) *****

Ottawa

P_2 20 34 13
 S_2 30.5

Dist. = 150 km. (93.2 mi.)
H = 20 33 48

***** (September 22) *****

Ottawa

P_2 19 16 15
 S_2 32.5

Dist. = 150 km. (93.2 mi.)
H = 19 15 50

J. I. Monagle, S.J.

N E S A B U L L E T I N

October 1-31, 1947

Bulletin No. 202

***** (October 1) *****

Weston

1P 21 33 19
1S 37 10

Dist. = 21.6
West Indies

***** (October 3) *****

Ottawa

1P₁ 15 28 47
1S₁ 28 58

Dist. = 90 km. (56 mi.)
H = 15 28 31
Cornwall?

***** (October 3) *****

Weston

1P₁ 15 36 21
1S₁ 36 25

Dist. = 33 km. (20 mi.)
Quarry Blast

***** (October 3) *****

Weston

1S₁ 19 03 03

Quarry Blast, Hudson, N.Y.
(Courtesy L.D. Leet)

***** (October 3) *****

Ottawa

P₂ 22 57 02
S₂ 57 31

Dist. 255 km. (158 mi.)
H = 22 56 20

***** (October 4) *****

Weston

S₁ 19 33 50

Quarry Blast, Farmington, Conn.
(courtesy L.D. Leet)

- 2 -

***** (October 4) *****

Weston

S₁ 19 41 19

***** (October 5) *****

Ottawa

P₂ 19 58 01
S₂ 58 18

Dist. 150 km. (93 mi.)

Weston

S₁ 19 59 12

H = 19 57 36

***** (October 6) *****

Weston

P₁ 15 56 47
S₁ 56 49

Dist. = 17 km. (10 mi.)
Quarry Blast, Winchester, Mass.

***** October 6) *****

Ottawa

P₂ 21 51 34
S₂ 51 51.5

H = 21 51 09

Dist. = 150 km. (93 mi.)

Weston

S₁ 21 52 53

***** (October 8) *****

Weston

S₁ 21 34 28

***** (October 9) *****

Ottawa

P₂ 17 04 13
S₂ 04 30

Dist. = 150 km. (93 mi.)

H = 17 03 48

Weston

S₁ 17 05 27

- 3 -

***** (October 9) *****

Weston

S₁ 20 15 10

***** (October 10) *****

Weston

P₁ ? 16 27 41
S₁ 28 34

***** (October 11) *****

Weston

S₁ 06 51 10

Local?

***** (October 11) *****

Weston

S₁ 21 38 25

***** (October 15) *****

Weston

P₁ 17 59 11
S₁ 59 27

Dist. = 130 km. (80 mi.)
Quarry Blast, New Britain, Conn.
Courtesy L.D. Leet

***** (October 17) *****

Weston

P₁ 15 41 54
S₁ 41 56

Dist. = 17 km. (10 mi.)
Quarry Blast, Swampscott, Mass.
Courtesy L.D. Leet

***** (October 17) *****

Ottawa

P₂ 17 00 41
S₂ 00 58
Dist. = 150 km. (93 mi.)
H = 17 00 16

Weston

S₁ 17 02 07

- 4 -

***** (October 18) *****

Ottawa

P₂ 18 26 11
S₂ 26 34
Dist. = 200 km. (124 mi.)
H = 18 25 38

Weston

S₁ 18 28 45

***** (October 19) *****

Weston

P? 16 45 06
S₁ 45 19

***** (October 19) *****

Ottawa

P₂ 20 42 32.5
S₂ 42 50

Dist. = 150 km. (93 mi.)
H = 20 42 08

***** (October 20) *****

Weston

P₁ 16 31 39
S₁ 31 41

Dist. = 17 km. (10 mi.)
Quarry blast, Swampscott, Mass.
Courtesy L.D. Leet

***** (October 22) *****

Ottawa

P₂ 09 37 48
S₃ 38 30
S₂ 38 43
Dist. = 490 km. (149 mi.)
H = 09 36 29

Weston

1 09 38 29.5
S₁ 39 17

***** (October 22) *****

Weston

P₁ 15 00 27
S₁ 00 29

Dist. = 17 km. (10 mi.)
Quarry Blast Winchester, Mass.
Courtesy L.D. Leet

- 5 -

***** (October 22) *****

Ottawa

P₂ 20 09 46
S₂ 10 04.5

Dist. = 155 km. (96 mi.)
H = 20 09 21

***** (October 23) *****

Weston

P 11 51 49
S 56 30

Dist. = 28°
West Indies

***** (October 23) *****

Ottawa

P₂ 21 02 35
S₂ 02 52.5

Dist. = 150 km. (93 mi.)
H = 21 02 10

***** (October 24) *****

Weston

P₁ 22 46 32
S₁ 47 30

Dist. = 467 km. (290 mi.)

***** (October 25) *****

Ottawa

P₂ 22 33 01.5
S₂ 33 25

Dist. = 205 km. (127 mi.)
H = 22 32 28

***** (October 28) *****

Weston

P 03 14 20
S 18 15

Dist. = 27°8
West Indies.

***** (October 28) *****

Weston

S₁ 21 31 33

Quarry Blast, Kingston, N.Y.
Courtesy L.D. Leet

- 6 -

***** (October 29) *****

Ottawa

P ₁	15	45	50
S ₁		46	01

Dist. = 95 km. (59 mi.)
Cornwall ?

***** (October 30) *****

Weston

S ₃	15	49	46
S ₁		50	00

D. Linehan, S.J.

N E S A B U L L E T I N

November, 1-30, 1947 *****

Bulletin No. 203

***** (November 1) *****

Weston

P₁ 15 58 52.8
S₁ 58 56.0

Dist. = 26.1 km. (16 mi.)
Quarry Blast, Winchester, Mass.?

***** (November 4) *****

Ottawa

P₂ 18 30 06
S₂ 30 24
S₁ 30 27

Dist. = 150 km. (93 mi.)
H = 18 29 42

***** (November 4) *****

Ottawa

P₂ 20 35 06
S₂ 35 23.5

Dist. = 150 km. (93 mi.)
H = 20 34 41

***** (November 6) *****

Ottawa

P₂ 21 04 48
S₂ 05 18
Dist. = 265 km. (164 mi.)
H = 21 04 05

Weston

e 21 04 56.5
S₁ 21 05 26

***** (November 7) *****

Ottawa

P₂ 16 30 17
S₂ 30 34.5

Dist. = 150 km. (93 mi.)
H = 16 29 52

***** (November 7) *****

Ottawa

P₂ 21 53 36
S₂ 54 00.5
Dist. = 215 km. (133 mi.)
H = 21 53 01

Weston

S₁ 21 54 26

- 2 -

***** (November 17) *****

Weston

P₁ 16 00 30
S₁ 00 33

Dist. = 25 km. (15 mi.)
Quarry Blast, Swampscott, Mass.
Courtesy L. Don Leet.

***** (November 20) *****

Ottawa

P₂ 19 37 31
S₂ 37 48.5

Dist. = 150 km. (93 mi.)
H = 19 37 06

***** (November 21) *****

Weston

P₂ 17 03 38
i 03 40.2
S₂ 03 58.2
S₁ 04 00
L 04 13

Dist. = 173 km. (107 mi.)
H = 17 03 10
Quarry Blast, North Haven, Conn.?

***** (November 24) *****

Weston

S₁ 22 38 59

***** (November 25) *****

Ottawa

P₂ 21 34 25
S₂ 34 49

Dist. = 210 km. (130 mi.)
H = 21 33 51

***** (November 29) *****

Ottawa

P₂ 15 57 59.5
S₂ 58 17

Dist. = 150 km. (93 mi.)
H = 15 57 35

***** (November 29) *****

Ottawa

P₂ 21 06 25.5
S₂ 06 43

Dist. = 150 km. (93 mi.)
H = 21 06 00

***** (November 30) *****

Weston

i 17 06 11

Series of undecipherable short period
disturbances. Submarine?

D. Linehan, S.J.

N E S A B U L L E T I N



December 1-31, 1947

Bulletin No. 204

***** (December 3) *****

Ottawa

Weston

P₂ 16 59 37
S₂ 59 54
Dist. = 150 km. (93 mi.)
H = 16 59 12

S₁ 17 01 08

***** (December 3) *****

Weston

Several disturbances from 18 to 23 hrs. Undecipherable.

***** (December 4) *****

Ottawa

P₂ 20 33 48
S₂ 34 06

Dist. = 150 km. (93 mi.)
H = 20 33 23

***** (December 5) *****

Weston

P₁ 16 46 52.4
S₁ 56.0

Dist. = 29 km. (18 mi.)

***** (December 5) *****

Weston

S₁ 20 24 40

***** (December 9) *****

Ottawa

P₂ 20 41 52
S₂ 42 09

Dist. = 150 km. (93 mi.)
H = 20 41 27

***** (December 9) *****

Weston

P₁ 22 47 16.7
S₁ 47 41

Dist. = 199 km. (123 mi.)
Hudson, N.Y.?

***** (December 10) *****

Ottawa

P₂ 22 55 01.5
S₂ 55 25.5

Dist. = 210 km. (130 mi.)
H = 22 54 27

***** (December 10) *****

Weston

Several disturbances 23 hrs. Undecipherable.

***** (December 11) *****

Weston

P₁? 12 44 35
S₂ 45 32
S₁ 45 41

***** (December 12) *****

Weston

S₁ 19 30 08

Quarry Blast, Hudson, N.Y. 2:30 P.M.
EST. Courtesy L. D. Leet.

***** (December 16) *****

Weston

S₁ 19 30 35

***** (December 16) *****

Weston

S₁ 21 15 21

***** (December 17) *****

Ottawa

P₂ 19 20 09.5
S₂ 20 26.5

Dist. = 150 km. (93 mi.)
H = 19 19 45

***** (December 23) *****

Ottawa

P₂ 19 12 05.5
S₂ 12 23

Dist. = 150 km. (93 mi.)
H = 19 11 41

***** (December 23) *****

Ottawa

P₂ 21 47 31
S₂ 47 57

Dist. = 230 km. (142 mi.)
H = 21 46 54

***** (December 28) *****

Seven Falls

P₂ 19 58 57
S₃ 59 22
S₂ 59 26

Dist. = 255 km. (158 mi.)

Shawinigan Falls

P₂ 19 59 06
S₂ 59 42.5

Dist. = 320 km. (198 mi.)

Weston

P_n 19 59 06.5
i 59 08.2
P₁ 59 14
S_n 59 43.5
S₂ 59 50
e 59 53.5
S₁ 59 58

Dist. = 338 km. (210 mi.)
H = 19 58 19.5

Ottawa

P_n 19 59 26
P₂ 59 37
S_n 20 00 17
S₁ 00 42

Dist. = 490 km. (304 mi.)
H = 19 58 20

Local quake, located ca. 45°2 N., 69°2 W. H = 19 58 20 (Ottawa and Weston).

Of 103 questionnaire cards (Form 980, USCGS) returned to Weston, 25 towns reported felt motion. Greatest activity near Dover-Foxcroft and Charleston, Maine. Intensity about IV (Modified Mercalli). No damage reported.

***** (December 28) *****

Ottawa

P₂ 20 45 09
S₂ 45 26.5

Dist. = 150 km. (93 mi.)
H = 20 44 44

D. Linehan, S.J.