

January 1 - 31, 1942

Bulletins 85-86

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

A series of possibly three (3) blasts separated by only a few seconds of time. Interpretation of phases given below is tentative, although the distance is approximately 180 km. from Weston and Harvard, the azimuth must be north-east, as Fordham has no record of the disturbance.

<u>Weston</u>	<u>Harvard</u>	<u>Williamstown</u>
iP ₂ 05 33 09	iP ₂ 05 33 10	e ? 05 33 10
iP ₁ 11.5	iS ₂ 32.5	i 41.2
iS ₂ 30		i 45
		i 34 04.5 max.

Harvard and Weston readings taken from what is believed to be the second of the series.

***** (January 7) *****

Weston

P₁ 21 06 09
 S₁ 35 $\Delta = 196$ km. (122 mi.)

***** (January 8) *****

Weston

iP₁ 18 58 00.5
 iS₁ 23 $\Delta = 194$ km. (120 mi.)

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

Weston

iP₁ 15 40 31
 iS₁ 52 $\Delta = 172$ km. (107 mi.)

***** (January 15) *****

Fordham

i 22 08 35
 i 59

***** (January 16) *****

Fordham

iP₂ 18 58 49
 iS₂ 59 09 $\Delta = 170$ km. (106 mi.)



(January 19)*****

Weston

iP₁ 19 26 05.5
iS₁ 14.0 $\Delta = 70$ km. (44 mi.)

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

Weston

a) iS₂ 19 37 47
iS₁ 50

b) iS₁ 19 37 55

Double Blast !

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

Weston

a) iP₁ 21 51 12
iS₁ 22

b) iS₁ 21 51 31

c) iS₁ 21 51 43

$\Delta = 82$ km. (52 mi.)

Triple Blast !

***** (January 24) *****

Weston

iP₁ 18 51 54
iS₁ 52 06 $\Delta = 100$ km. (63 mi.)

***** (January 24) *****

Fordham

iP₂ 23 22 59
iS₂ 23 19 $\Delta = 170$ km. (106 mi.)

***** (January 28) *****

Fordham

iP₂ 14 17 22.5
iS₂ 42.5 $\Delta = 170$ km. (106 mi.)

***** (January 31) *****

Ottawa

iP₂ 04 12 23
iS₂ 43
 $\Delta = 175$ km. (109 mi.)

Weston

iS₂? 04 13 22
iS₁ 30

Daniel Linehan, S.J.
Seismologist.

NESA BULLETIN

February 1 - 15, 1942

Bulletin No. 87

***** (February 4) *****

Fordham

i 03 30 13

***** (February 4) *****

Weston

iP₁ 16 12 08 Series of blasts. Other phases undecipherable.

***** (February 4) *****

Weston

a) iP₁ 16 23 57.5
iS₁ 24 10
 $\Delta = 106$ km. (66 mi.)

b) iS₁ 16 47 39
54
 $\Delta = 106$ km. (66 mi.)

Williamstown

e 16 24 22
S(?) 46.7
(49.3

i 16 48 05
iS? 29

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

Weston

a) iP₁ 05 50 45
iS₁ 51 03
 $\Delta = 147$ km. (91 mi.)

b) iP₁ 05 50 47

c) iP₁ 05 51 00

Williamstown

e 05 51 09 ?
iS₁? 49

Fordham

e 05 52 17

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

Weston

iP₁ 06 32 18
iS₁ 36
 $\Delta = 147$ km. (91 mi.)

Williamstown

iS₁ 06 32 17.2

- 2 -

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

Weston

eP₁ 13 08 16
eS 45 $\Delta = 237$ km. (148 mi.)

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

Weston

eP₂ 15 08 07
eS₂ 27
 $\Delta = 150$ km. (93 mi.)

Harvard

eP₂ 15 08 08.7
iP₁ 11.2
eS₂ 27.2
 $\Delta = 155$ km. (96 mi.)

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

Harvard

iP₂ 16 49 34.5
iS₂ 52.7
 $\Delta = 152$ km. (94 mi.)

Weston

iP₂ 16 49 35
iS₂ 54
iS₁ 59
 $\Delta = 160$ km. (100 mi.)

Williamstown

eP? 16 49 48
eS? 50 23.5

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

Harvard

iP₁ 17 23 43.0
i 46.5
iS₁ 59.2
 $\Delta = 131$ km. (81 mi.)

Weston

iP₁ 17 23 42.5
iS₁ 58
dilatation to southwest
 $\Delta = 127$ km. (79 mi.)

Williamstown

iP? 17 24 01
iS? 28.5

N. London, Conn. ?

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

Weston

eS₁ 17 04 45

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

Fordham

- a) i 21 13 31 short period activity lasting about
2 min. each.
b) i 22 09 56
c) i 22 29 19

- 3 -

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

Weston

a)	iP ₁	19	19	00	b)	iP ₁	19	21	00	c)	iP ₁	19	22	20
	iS ₁			27		iS ₁			27		iS ₁			47

Three blasts! $\Delta = 221$ km. (138 mi.)

***** (February 15) *****

Weston

iP ₁	12	15	22	
iS ₁			40	$\Delta = 147$ km. (91 mi.)

***** (February 15) *****

Weston

iP ₁	12	18	40	
iS ₁			57	$\Delta = 139$ km. (86 mi.)

***** (February 15) *****

Weston

eP ₁	22	37	37	Three disturbances! Phases undecipherable!
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***** (February 15) *****

Weston

iP ₁	22	41	13	
iS ₁			36	$\Delta = 106$ km. (66 mi.)

***** (February 15) *****

Weston

iP ₁	22	43	45	
iS ₁		44	05	$\Delta = 163$ km. (102 mi.)

***** (February 15) *****

Weston

iP ₁	22	45	31	Three disturbances! Phases undecipherable!
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***** (February 15) *****

Weston

iP₁ 22 48 35
iS₁ 54 $\Delta = 155$ km. (96 mi.)

***** (February 15) *****

Weston

iP₁ 23 07 55 Three disturbances! Phases undecipherable.

***** (February 15) *****

Weston

a) iP₁ 23 24 21 b) iS₁ 23 24 55 c) iS₁ 23 25 14
iS₁ 40
Three blasts! $\Delta = 155$ km. (96 mi.)

***** (February 15) *****

Weston

iP₁ 23 40 44
iS₁ 41 02 $\Delta = 147$ km, (91 mi.)

Daniel Linchan, S.J.

NESA BULLETIN

February 16 - 28, 1942

Bulletin No. 88



***** (February 16) *****

Fordham

e 03 08 31

***** (February 16) *****

Fordham

i 12 51 08

***** (February 16) *****

Weston

a) iP₂ 14 31 07
iS₂ 27

b) iS₁ 14 31 52 Double blast! $\Delta = 170$ km.
(106 mi.)

***** (February 16) *****

Weston

a) iP₂ 14 42 33.5
iP₁ 35
iS₂ 54

b) iP₂ 14 42 50 Double blast! $\Delta = 170$ km.
iS₂ 43 10 (106 mi.)

***** (February 16) *****

Weston

a) iP₂ 15 19 47
iS₂ 20 07

b) iP₂ 15 19 51
iS₂ 20 11

c) iP₂ 15 19 55
iS₂ 20 15

Triple blast! $\Delta = 170$ km. (106 mi.)

***** (February 16) *****

Ottawa

iP₂ 15 21 29.5
iS_n 53
iS₂ 55.5

$\Delta = 225$ km. (140 mi.)

***** (February 16) *****

Weston

iP₁ 17 35 27 Series of undecipherable short period phases.

***** (February 16) *****

Weston

iP₁ 18 53 26
iS₁ 48 $\Delta + 180$ km. (112 mi.)

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

Ottawa

iP₂ 07 55 37
i 42.5 $\Delta = 165$ km. (102 mi.)
iS₂ 56

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

Fordham

iS₁ 18 57 59

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

Weston

a) iP₁ 14 49 34 b) iP₁ 14 49 39 Double blast! $\Delta = 131$ km.
iS₁ 50 iS₁ 55 (81 mi.)

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

Williamstown

i 19 50 01
i 28
i 37

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

Weston

iP 20 49 05.5 Series of undecipherable short period phases!

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

Williamstown

e 20 56 45
e 50
iS ? 57 24

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

Weston

iP₂ 21 56 31
iS₂ 52 $\Delta = 171$ km. (106 mi.)

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

Weston

a) iP₁ 14 40 56 b) iS₁ 14 41 15 c) iS₁ 14 41 24
iS₁ 41 02.5

Series of three blasts! $\Delta = 53$ km. (33 mi.)

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

Weston

a) iP₁ 14 52 58.5 b) iS₁ 14 53 22.5 (c) iS₁ 14 53 30
iS₁ 53 05

Series of three blasts. $\Delta = 53$ km. (33 mi.)

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

Weston

iP₁ 15 01 58
iS₁ 02 04.5 $\Delta = 53$ km. (33 mi.)

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

Weston

iP₁ 17 17 30
iS₁ 36.5 Followed by four similar blasts although
undecipherable!
 $\Delta = 53$ km. (33 mi.)

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

Weston

a) iP₁ 17 20 57 b) iS₁ 17 21 22 c) iS₁ 17 21 32.5
iS₁ 21 03.5 d) iS₁ 17 21 56
 $\Delta = 53$ km. (33 mi.)

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

Weston

iP₁ 17 39 28
iS₁ 34.5 $\Delta = 53 \text{ km. (33 mi.)}$

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

Williamstown

i 18 02 23.5
i 45
iS 48

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

Williamstown

iP₁ 18 39 54
i 40 19
iS₁ 20.5 $\Delta = 237 \text{ km. (178 mi.)}$
i 29

***** (February 27) *****

Williamstown

iS₁ 15 28 09.2

Fordham

iP₂ 15 28 13
iS₂ 33 $\Delta = 163 \text{ km. (101 mi.)}$

***** (February 28) *****

Fordham

i 08 59 01

***** (February 28) *****

Weston

iP₁ 12 50 56
iS₁ 51 12 $\Delta = 130 \text{ km. (81 mi.)}$

***** (February 28) *****

Williamstown

iP₁? 12 52 01.5
iS₁ 22.8

***** (February 28) *****

Weston

eS₁ 18 09 18

***** (February 28) *****

Weston

eS₁ 19 20 30

***** (February 28) *****

Weston

eS₁ 19 22 14

Daniel Linehan, S.J.

NESA BULLETIN

March 1 - 15, 1942

Bulletin No. 89



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

Fordham

A series of short-period disturbances with times of "P" (?) as follows:

1)	iP	14	14	05
2)	iP	19	53	05
3)	iP	20	00	07
4)	iP	20	06	36
5)	iP	20	27	46
6)	iP	21	31	11
7)	iP	21	46	25

Weston

1) iP (?) 14 14 16

***** (March 2) *****

Fordham

iP 02 50 45

***** (March 2) *****

Weston

iP 21 21 47

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

Fordham

iS₁ 19 02 50

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

Weston

1)	iP ₁	18	51	27	8)	iP ₁	19	02	58
2)	iP ₁	18	52	25	9)	iP ₁	19	03	59
3)	iP ₁	18	54	00	10)	iP ₁	19	04	34
4)	iP ₁	18	55	07	11)	iS ₁	19	07	15
5)	iP ₁	18	56	21	12)	iP ₁	19	08	36
6)	iP ₁	18	57	34	13)	iP ₁	19	09	26
7)	iP ₁	18	59	39	14)	iP ₁	19	10	28

Williamstown

1)	iP ₁	18	51	48.5
2)	iP ₁	18	53	17
3)	iP ₁	18	54	21
4)	iP ₁	18	55	28.2
5)	iP ₁	18	56	42
6)	iP ₁	18	57	56
7)	iP?	18	59	02
8)	iP?	19	03	19
9)	iS	19	04	34
10)	iP	19	04	57

All same distance from Weston
 Δ = 156 km. from S₁-P₁
P - H 26 seconds for Weston

Δ = 282 km. from P₁-H

***** (March 5) *****

Fordham

i 02 50 48
i 51 00

i 05 28 43
i 28 49

***** (March 5) *****

Weston

i 15 30 00
iS₁? 30 10

This was followed by other short period disturban

***** (March 6) *****

Fordham

iP₂ 19 44 57
iS₂ 45 19
 $\Delta = 188$ km. (117 mi.)

Weston

iS₁? 19 46 27

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

Fordham

i 05 59 57

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

Weston

1) iP₁ 18 43 28
iS₁ 41
2) iP₁ 18 43 34
iS₁ 47

$\Delta = 107$ km. (67 mi.)
Double Blast

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

Weston

iP₁ 18 51 08
iS₁ 22

$\Delta = 120$ km. (75 mi.)

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

Weston

iP₁ 23 38 32
iS₁ 58

$\Delta = 213$ km. (133 mi.)
local quake!

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

Weston

eP 10 25 53
eS 29 08

23° Caribbean Quake!

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

Weston

iP₁ 19 25 36 Δ = 98 km. (61 mi.)
iS₁ 48

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

Weston

1) iP₁ 19 41 31
iS₁ 46

Double blast!

2) iP₁ 19 41 36
iS₁ 51

Δ = 123 km. (76 mi.)

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

Weston

iP₁ 15 41 59
iS₁ 42 12

Δ = 106 km. (66 mi.)

***** (March 11)

iP₁ 15 49 01
iS₁ 14

Δ = 107 km. (67 mi.)

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

Fordham

i 03 34 36
i 41

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

Fordham

i 04 50 56
activity for 60 seconds

Fordham

i 06 39 40
activity for 40 seconds

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



Weston

iP₁ 14 59 20
iS₁ 33 $\Delta = 106$ km. (66 mi.)

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

Fordham

i 23 42 22.8
i 32

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

Fordham

i 36 51 46
i 51

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

Fordham

i 17 55 57
i 56 17
i 35

Weston

iP₁? 17 56 15

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

Weston

1) iP₁ 18 06 15
2) iP₁ 18 11 15
3) iP₁ 18 47 16
4) iP₁ 20 32 55

$\Delta = 262$ km. (163 mi.)
S₁-P₁ same for all

Fordham

1) i 18 07 21
2) i 18 11 04
3) i 18 46 50.5
4) i 20 32 47

Doubtful if these are same
as those recorded at Weston.

NOTICES: -

Weston: The preparation of NESA manuscripts has been unavoidably tardy from the Central Station for the past few months. We hope soon to catch up on the back numbers.

Weston: Many of the short period disturbances registered at NESA stations during recent weeks, e.g. Weston and Williamstown for March 4 and Fordham for March 1 (probably) are known for certain to be of marine origin. Characteristics of the recordings both at Harvard and Weston do not resemble disturbances of earth or submarine disturbances. Interpretation of phases are often difficult and although velocities in water are different from velocities in rock, we have used rock velocities in giving distance for a general estimate.

Daniel Linehan, S.J.,
Seismologist.

March 16 - 31, 1942

Bulletin No. 90

***** (March 16) *****

Weston

1) iP₁ 17 28 45
iS₁ 53

$\Delta = 65$ km. (40 mi.)

2) iS₁ 17 29 02

second blast! preliminaries lost in first blast.

***** (March 16) *****

Weston

iP₁ 18 03 19
iS₁ 26

$\Delta = 139$ km. (86 mi.)

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

Weston

iP₁ 14 58 51
iS₁ 59 05

$\Delta = 98$ km. (61 mi.)

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

Weston

iP₁ 15 05 19
iS₁ 32

$\Delta = 106$ km. (66 mi.)

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

Fordham

iP₂ 21 37 49.5
iS₂ 38 10.0

$\Delta = 173$ km. (107 mi.)

Weston

iS₁ 21 38 25

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

Weston

iP₁ 18 00 24
iS₁ 47

$\Delta = 188$ km. (117 mi.)

Fordham

i 18 00 14.7
i 16
i 33.0

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

Weston

iP₁ 20 39 12
iS₁ 28

$\Delta = 131$ km. (81 mi.)

iP₁ 20 41 15
iS₁ 31

$\Delta = 131$ km. (81 mi.) double blast ?

***** (March 21) *****

Fordham

i 22 30 26

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

Fordham

iP₁ 04 15 10
iS₁ 24

$\Delta = 115$ km. (71 mi.)

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

Fordham

i 16 15 25

Weston

iS₁ 16 16 38

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

Weston

iP₁ 14 15 47
iS₁ 16 01

$\Delta = 115$ km. (72 mi.) "Marine" disturbance,
followed by a series of similar ones from
same distance.

1) iP₁ 14 17 00
2) iP₁ 14 18 55
3) iP₁ 14 19 23
4) iP₁ 14 21 15
5) iP₁ 14 21 47
6) iP₁ 14 23 26
7) iP₁ 14 24 10
8) iP₁ 14 40 35
9) iP₁ 14 41 40

15) iP₁ 17 48 32
16) iP₁ 17 49 12
17) iP₁ 17 50 21
18) iP₁ 17 51 21
19) iP₁ 17 52 25
20) iP₁ 17 52 50
21) iP₁ 17 53 52
22) iP₁ 17 54 18
23) iP₁ 17 56 11

29) iP₁ 18 12 32
30) iP₁ 18 13 32
31) iP₁ 18 13 52
32) iP₁ 18 16 12
33) iP₁ 18 23 48
34) iP₁ 18 24 36
35) iP₁ 18 29 19
36) iP₁ 18 29 57
37) iP₁ 18 31 15

(Continued)

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

Weston

10)	iP ₁	17	02	28	24)	iP ₁	18	08	42	38)	iP ₁	18	32	04
11)	iP ₁	17	04	14	25)	iP ₁	18	09	24	39)	iP ₁	18	36	36
12)	iP ₁	17	04	37	26)	iP ₁	18	10	22	40)	iP ₁	18	39	48
13)	iP ₁	17	06	30	27)	iP ₁	18	10	49	41)	iP ₁	18	43	29
14)	iP ₁	17	08	27	28)	iP ₁	18	12	06					

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

Fordham

i 03 06 53

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

Weston

iP ₁	14	29	49	Δ = 115 km. (71 mi.)
iS ₁		30	03	Dil to northeast
iP ₁	14	37	15	Δ = 115 km. (71 mi.)
iS ₁		29		Compression to southwest

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

Fordham

Of several short-period disturbances the following are principal.

1)	i	14	31	16
2)	i	15	04	21
3)	i	17	44	26
4)	i	17	50	24
5)	i	18	35	20
6)	i	18	44	07

Weston

3)	eS ₁	17	45	06
4)	iS ₁	17	51	40
5)	iS ₁	18	36	30
6)	iS ₁	18	44	50

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

Fordham

i 02 24 22
i 53

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

<u>Fordham</u>	<u>Weston</u>	
iS ₁ ? 17 24 14	iS ₁ 17 25 31	
iS ₁ ? 17 42 51	iS ₁ 17 44 06	
iS ₁ ? 18 17 20	iP ₁ 18 17 59	Δ = 295 km. (183 mi)
	iS ₁ 18 35	

All three are similar and apparently from same location!

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

<u>Fordham</u>	<u>Weston</u>
2) iS ₁ 20 59 10	1) iS ₁ 20 29 44
	2) iS ₁ 21 00 30

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

<u>Weston</u>	<u>Weston</u>
iP ₁ 22 20 15	iP ₁ 22 21 17
iS ₁ 29	iS ₁ 31
Δ = 115 km. (72 mi.)	Δ = 115 km. (72 mi.)

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

<u>Weston</u>	<u>Harvard</u>
iP ₁ 04 32 43.5	iP ₁ 04 32 47.9
iS ₁ 50.5	iS ₁ 55.2
iL 52	
Δ = 57.3 km. (36 mi.)	Δ = 60 km. (37.5 mi.)

Daniel Linehan, S.J.

NESA BULLETIN

April 1 - 15, 1942

Bulletin No. 91



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

<u>Weston</u>	<u>Fordham</u>	<u>Harvard</u>
iP 02 20 22.5	iP 02 20 25	iP 02 20 26
i 21 20	eS 23 05	iS 23 07
iS 23 06		
i 52	$\Delta = 14^{\circ}5$ from S-P	$\Delta = 14^{\circ}5$ from S-P
Dil to southeast	Quake in general area northeast of Bahamas.	
$\Delta = 14^{\circ}1$ from S-P	Time for common H not good.	

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

<u>Weston</u>	<u>Fordham</u>	<u>Harvard</u>
iP ₁ 21 48 16	iP ₂ 21 48 25.0	Absolute time un-
iS ₁ 29.5	iS ₂ 46.5	certain
Dil to southwest	$\Delta = 183$ km. (114 mi.)	S ₁ -P ₁ = 13 secs.
$\Delta = 110$ km. (69 mi.)	H = 21 47 58	$\Delta = 106$ km. (66 mi.)
Quarry Blast just west of Willimantic, Conn.		

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

<u>Weston</u>	
iP ₁ 13 22 46	$\Delta = 82$ km. (51 mi.)
iS ₁ 56	

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

<u>Weston</u>	
1) iP 15 35 30	
2) iP 15 36 30	
3) iP 15 55 07	
several more a few secs. apart! Phases not clear.	
4) iP 16 24 59	. ca. 155 km. (109 mi.) distance,
5) iS 21 27 00	
6) iP 21 40 11	

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

<u>Fordham</u>	
1) i 15 42 45	4) i 20 14 17
2) i 15 53 20	5) i 21 26 38
3) i 15 53 34	6) i 21 39 51

***** (April 6) *****

Weston

iP₁ 15 31 20
iS₁ 37
 $\Delta = 139$ km. (86 mi.)

Weston

iP₁ 19 52 18
iS₁ 35
 $\Delta = 139$ km. (86 mi.)

***** (April 7) *****

Weston

iP₁ 11 00 10.5
iS₂ 28
iS₁ 34
 $\Delta = 148$ km. (92 mi.)

***** (April 7) *****

Weston

1) iP₁ 12 41 53 $\Delta = 139$ km. (86 mi.) preliminaries of No. 2
iS₁ 42 10 lost in No. 1
2) iS₁ 42 23

***** (April 7) *****

Fordham

iP₂ 16 13 01.5
iS₂ 22.0
 $\Delta = 174$ km. (108 mi.)

Weston

iS₁ 16 13 32

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

Fordham

iP₁ 18 58 02
iS₁ 13
 $\Delta = 106$ km. (66 mi.)

Weston

iS₁ 18 59 26

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

Weston

iS₁ 16 58 02

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

Weston

iS₁ 20 21 59

Fordham

iP₂ 20 21 25.5 $\Delta = 146$ km. (91 mi.)
iS₂ 43

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

Weston

iP₁ 22 44 12
iS₁ 28

$\Delta = 131$ km. (82 mi.)

***** (April 10) *****

Fordham

iP₂ 18 59 47.5
iP₁ 48.5
iS₂ 19 00 08.5

$\Delta = 178$ km. (111 mi.)

Weston

iS₁ 19 00 19

***** (April 10) *****

Fordham

iP₂ 23 12 02.5
iS₂ 23.5

$\Delta = 178$ km. (111 mi.)
Blast near Ravina, N.Y.

Harvard

iP₂ 23 12 04
iS₂ 26

$\Delta = 180$ km. (112 mi.)
H = 23 11 33

Weston

iP₁ 23 12 07
iS₁ 26

$\Delta = 204$ km. (126 mi)

***** (April 13) *****

Fordham

iP₁ 23 19 40
iS₁ 43.5

$\Delta = 28$ km. (17.5 mi.)

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

Ottawa

e 18 22 59
L 23 06

local!

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

Weston

iP₁ 19 22 37
iS₁ 55

$\Delta = 147$ km. (93 mi.)
Compression to southwest

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

Weston

iS₁ 19 56 35

***** (April 15) *****

Weston

iS₂ 16 39 45
iS₁ 40 05

Harvard

iP₁ 16 39 32.5
iS₁ 50

Marine!

$\Delta = 143$ km. (89 mi.)

***** (April 15) *****

Fordham

iP₁ 20 04 14.5
iS₁ 27.9

Harvard

iP₁ 20 04 19
iS₁ 36

Weston

iP₁ 20 04 20
iS₁ 38

$\Delta = 111$ km. (69 mi.) $\Delta = 139$ km. (87 mi.)

Dil to southwest
 $\Delta = 147$ km. (93 mi.)

Daniel Linehan, S.J.
Seismologist.

April 16 - 30, 1942

Bulletin No. 82
International
Seismological
Centre

***** (April 16) *****

Weston

iP ? 19 30 23
iS₁ 31 15

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

Fordham

iP₁ 18 54 45.5
iS₁ 52.5
 $\Delta = 57$ km. (36 mi.)

Weston

iS₁ 18 55 41

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

Weston

iS₁ 01 15 50

Fordham

iP₂ 01 15 10
iS₂ 15 34
 $\Delta = 210$ km. (130 mi.)

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

Weston

1) iS₁ 14 20 37
2) iS₁ 15 40 37

3) iS₁ 16 27 05
4) iS₁ 16 27 50

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

Weston

iP₁ 18 07 39
iS ? 57

Harvard

iP₁ 18 07 37.5 $\Delta = 151$ km. (94 mi.)
iS₁ 56.5 Reed's Gap, Conn.

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

Fordham

iP₁ 20 40 17.5
iS₁ 29.5
 $\Delta = 99$ km. (65 mi.)
Near New Haven, Conn.

Harvard

iP₁ 20 40 26.5
iS₁ 46.5
 $\Delta = 164$ km. (102 mi.)
H = 20 39 59

Weston

iP₁ 20 40 27.5
iS₁ 48
 $\Delta = 168$ km. (105 mi.)
Dil to southwest.

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

Weston

iS₁ 10 44 46

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

Weston

1) iP₁ 19 24 42
2) iP₁ 19 24 50
3) iP₁ 19 24 53
4) iS₁ 19 25 18
5) iP₁ 19 50 05

6) iP₁ 19 54 05
7) iP₁ 19 54 14
8) iP₁ 21 11 52
9) iP₁ 21 12 01

All from same distance
and direction.
 $\Delta = 147$ km. (91 mi.)
Dip to northeast.

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

Weston

eP 19 42 15
eS 46 06

$\Delta = 21^\circ$ ca.

Fordham

eP 19 42 01
eS 45 55

$\Delta = 21^\circ$ ca.

Caribbean Quake

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

Weston

iS₁ 20 09 50

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

Fordham

iP₁ 22 41 24.5
iS₁ 39.0
 $\Delta = 120$ km. (74 mi.)

Weston

iS₁ 22 42 17

***** (April 26) *****

Fordham

iP₂ 13 58 49
iS₂ 59 12
 $\Delta = 197$ km. (122 mi.)

Weston

iS₁ 13 59 38

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

Weston

iP₁ 14 01 12
iS₁ 36 $\Delta = 196 \text{ km. (122 mi.)}$

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

Fordham

iP₂ 11 48 48
iS₂ 53
 $\Delta = 129 \text{ km. (80 mi.)}$

Weston

iP₁ 11 49 24
iS₁ 50
 $\Delta = 213 \text{ km. (133 mi.)}$

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

Weston

iP₁ 12 22 46
iS₁ 23 21
 $\Delta = 286 \text{ km. (178 mi.)}$

Weston

iP₁ 12 30 45
iS₁ 31 20
 $\Delta = 286 \text{ km. (178 mi.)}$

Weston

iP₁ 12 48 13
iS₁ 48 49
 $\Delta = 286 \text{ km. (178 mi.)}$

Weston

iP₁ 15 06 30
iS₁ 07 06
 $\Delta = 286 \text{ km. (178 mi.)}$

Fordham

iP₁ 15 06 02.5
iS₁ 20
 $\Delta = 145 \text{ km. (91 mi.)}$

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

Fordham

iP₁ 22 29 46.5
iS₁ 59 $\Delta = 100 \text{ km. (62 mi.)}$

***** (April 30) *****

Fordham

iP₁ 02 49 50.5
iS₁ 50 03
 $\Delta = 100 \text{ km. (62 mi.)}$

Weston

iS₁ 02 50 50

Daniel Linehan, S.J.
Seismologist.

NESA BULLETIN

May 1 - 15, 1942

Bulletin No. 93

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

Fordham

i 13 46 20

Weston

i 13 46 46
i 47 28

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

Weston

iP₁ 17 43 28 Followed by a group of undecipherable short period disturbances.

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

Harvard

iP₁ 16 30 15.1
iS₁ 17.8

$\Delta = 22$ km. (13.8 mi.) from the southwest

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

Fordham

iP₂ 23 00 07
iS₂ 29

$\Delta = 188$ km. (117 mi.)

Weston

iS₁ 23 01 07

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

Weston

iP 7 23 31 52 The beginning of a group of undecipherable short period phases.

***** (May 4) *****

Weston

iP₁ 05 02 53
iS₁ 03 12

$\Delta = 156$ km. (96 mi.)

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

Weston

1) iP₁ 18 11 53
iS₁ 12 14
 $\Delta = 172$ km. (107 mi.)

2) iP₁ 18 13 57
iS₁ 14 18
 $\Delta = 172$ km. (107 mi.)

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

Fordham

iP₂ 15 25 56
iS₂ 26 11
 $\Delta = 139$ km. (87 mi.)

Weston

iS₁ 15 26 07

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

Weston

eP 21 35 58
eS 39 48
"T" 56 30

21° Caribbean Quake!

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

Fordham

iP₁ 22 00 41
iS₁ 01 15
 $\Delta = 303$ km. (205 mi.)

Weston

iS₁ 22 02 20 (ca.)

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

Weston

iP₁ 19 48 48
iS₁ 49 12
 $\Delta = 197$ km. (121 mi.)

Fordham

e 19 47 26 doubtful if these regis-
i 56 trations pertain to same
disturbance.

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

Weston

1) iP₁ 17 07 29
iS₁ 49
 $\Delta = 164$ km, (102 mi.)

2) iP₁ 17 08 44
iS₁ 09 04
 $\Delta = 164$ km. (102 mi.)

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

Weston

Between 13 hrs. and 20 hrs. there was a great deal of short period activity, but difficult to interpret.

***** (May 11) *****

Weston

iS₁ 02 40 01

***** (May 11) *****

Weston

1) iP₁ 18 42 46
iS₁ 43 05
 $\Delta = 155$ km. (96 mi.)

2) iP₁ 18 46 00
iS₁ 19
 $\Delta = 155$ km. (96 mi.)

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

Weston

iS₁ 17 45 25

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

Harverd

iP₂ 18 00 00
iP₁ 01.2
iS₁ 21.5
 $\Delta = 166$ km. (103 mi.)

Weston

iP₁ 18 00 03
iS₁ 26
 $\Delta = 188$ km. (117 mi.)

Daniel Linehan, S.J.
Seismologist.

NESA BULLETIN

May 16 - 31, 1942

Bulletin No. 94

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

Harvard

iP₂ 17 14 15
iS₂ 34 $\Delta = 157$ km. (98 mi.)

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

Harvard

iP₁ 18 57 26.5
iS₁ 41.0 $\Delta = 119$ km. (74 mi.)

***** (May 17) *****

Weston

iP₁ 12 52 13
iS₁ 42 $\Delta = 238$ km. (148 mi.)

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

Fordham

iP₁ 00 02 48.0
iS₁ 54.5 $\Delta = 49$ km. (31 mi.)

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

Harvard

iP₁ 20 06 13.1
iS₁ 26.1 $\Delta = 106$ km. (66 mi.)

***** (May 20) *****

Ottawa,

iP₁ 12 19 37
iS₁ 47.5
 $\Delta = 89$ km. (55 mi.)

Williamstown

iP₂ 12 20 20.5 ?
iP₁ 24.8
i 21 00
iS₁? 04.5
 $\Delta = 380$ km. (236 mi.)
from P₁-H

Harvard

iP₁ 12 20 42.4
iS₂ 21 22.0
iS₁ 36.4
 $\Delta = 442$ km. (275 mi.)
from S₁-P₁

(Continued)

***** (May 20) ***** (Continued)

Weston
i 12 21 07
iS₁? 36

H (Ottawa) 12 19 20. This value should be the best, but none of the other stations have a common H.

Epicenter in general region of 44°7 N.
76°5 W.

***** (May 22) *****

Weston
iP 18 58 17
iS 34 $\Delta = 139$ km. (86 mi.)

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

Harvard
iP₂? 22 18 59
iS₂? 19 40

***** (May 24) *****

Ottawa
iP₂ 07 15 39.5
iS₂ 59.5
 $\Delta = 169$ km. (105 mi.)

Shawinigan Falls
iP₁ 07 15 49
iS₁ 16 15
 $\Delta = 213$ km. (133 mi.)

Harvard
i 07 16 02
i 33

Weston
i 07 16 01
iS₂? 27
iS₁ 44

Fordham
i 07 17 11 H (Ottawa) 07 15 08

***** (May 24) *****

Ottawa
iP₂ 11 34 23
iS₂ 43
 $\Delta = 170$ km. (105 mi.)

Shawinigan Falls
iP₁ 11 34 32.5
iS₁ 58.5
 $\Delta = 220$ km. (137 mi.)

Harvard
iP₂ 11 34 42.5
iS₂ 35 22
 $\Delta = 318$ km. (198 mi.)

***** (May 24) ***** (11 hr. continued)

<u>Weston</u>	<u>Fordham</u>	<u>Seven Falls</u>
iP ₂ 11 34 45	e 11 35 05	i 11 35 31
iP ₁ 50	i 43	e 36
iS ₂ ? 35 11.5	i 55	
iS ₁ ? 27		
$\Delta = 332$ km. (207 mi.)	ca. 44°7 N; 73°8 W.	
from P ₂ -H	H 11 33 56	

Located near Plattsburg, N.Y. Probably the quake of the 07th hour and same date as the above was also located as this epicenter.

***** (May 24) *****

<u>Weston</u>	
1) iP ₁ 12 42 22.5	2) iP ₁ 12 45 46
iS ₁ 34	iS ₁ 58
$\Delta = .94$ km. (58 mi.)	$\Delta = 94$ km. (58 mi.)

***** (May 26) *****

<u>Weston</u>	
iP ₁ 17 07 27	
iS ₁ 35	$\Delta = 65$ km. (40 mi.)

***** (May 26) *****

<u>Fordham</u>	
a) iS ₁ 17 59 54	
b) iS ₁ 18 59 45	

***** (May 27) *****

<u>Fordham</u>	<u>Weston</u>
i 08 22 21	i 08 25 25
i 26	
i 24 25	

***** (May 27) *****

Weston

iP₁ 22 16 41
iS₁ 17 02 Δ = 172 km. (106 mi.)

***** (May 28) *****

Weston

iP₁ 16 16 23
iS₁ 44
Δ = 172 km. (106 mi.)

***** (May 29) *****

Weston

iP₁ 13 29 49
iS₁ 30 04
Δ = 123 km. (76 mi.) east-west azimuth.

***** (May 30) *****

Weston

1) iP ₁ 18 32 36	2) iP ₁ 18 33 20
iS ₁ 46	iS ₁ 30

Double blast Δ = 82 km. (51 mi.)

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

Weston

1) iP ₁ 10 13 27	2) iP ₁ 10 13 31
iS ₁ 41	iS ₁ 45

Double blast Δ = 114 km. (72 mi.)
Compression to west ?

Daniel Linehan, S.J.

June 1 - 15, 1942

Bulletin No. 95

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

Weston

1) iP₁ 18 38 19
iS₁ 36

Double blast $\Delta = 139$ km. (86 mi.)
Preliminaries of No. 2 lost in No. 1

2) iS₁ 18 38 46

***** (June 4) *****

Weston

iS₁ 00 16 29

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

Weston

iP₁ 21 23 28
iS₁ 57

$\Delta = 237$ km. (148 mi.)

***** (June 6) *****

Weston

iP₁ 20 44 41
iS₁ 59

$\Delta = 147$ km. (92 mi.)

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

Weston

iP₁ 16 50 06
iS₁ 20

$\Delta = 114$ km. (72 mi.)

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

Weston

iP₁ 18 01 15
iS₁ 30

$\Delta = 123$ km. (77 mi.)

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

Weston

1) iP₁ 16 42 52
iS₁ 43 39

2) iP₁ 16 15 31
iS₁ 52 18

Double blast $\Delta = 385$ km. (240 mi.)

***** (June 10) *****

Fordham

iP₂ 15 18 34.0
iS₂ 53.5 $\Delta = 166$ km. (104 mi.)

***** (June 11) *****

Weston

iP₁ 15 14 31 followed by four other disturbances at intervals
iS₁ 57 of 5 seconds, and same distance.
 $\Delta = 213$ km. (132 mi.)

***** (June 11) *****

Weston

iP₁ 19 29 00
iS₁ 13 $\Delta = 106$ km. (67 mi.)

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

Weston

iP₁ 02 23 03 followed by three other disturbances at intervals
iS₁ 30 of 5 seconds, and at same distance.
 $\Delta = 221$ km. (138 mi.)

***** (June 13) *****

Weston

1) iP₁ 12 51 23
iS₁ 32

2) iP₁ 12 52 17
iS₁ 26

Double blast $\Delta = 74$ km. (46 mi.)

***** (June 13) *****

Weston

iP₁ 18 33 00
iS₁ 18 $\Delta = 147$ km. (93 mi.)

***** (June 13) *****

Weston

iP₁ 18 39 48
iS₁ 40 00 $\Delta = 98$ km. (61 mi.)

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

Weston

iP₁ 11 04 53
iS₁ 59 local! Off Nahant, Mass.
 $\Delta = 49$ km. (30.5 mi.) Compression to west.

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

Weston

iP₁ 16 30 43.5
iS₁ 50.0
 $\Delta = 61$ km. (38 mi.) local! Similar location as above.

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

Weston

1) iP₁ 17 35 54
iS₁ 36 09
Double blast! $\Delta = 123$ km. (76 mi.)

2) iP₁ 17 39 23
iS₁ 38

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

Weston

iP₁ 19 52 39.5
iS₁ 47 local! Same as 14th day, 16th hr. ?
 $\Delta = 61.5$ km. (38.5 mi.)

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

Weston

iP ₁	22	43	26	
iS ₁			38	$\Delta = 98 \text{ km. (61 mi.)}$

***** (June 15) *****

Weston

iP ₁	16	34	23	
iS ₁			34	$\Delta = 90 \text{ km. (56 mi.)}$

***** (June 15) *****

Weston

1)	iP ₁	20	46	32	
	iS ₁		47	05	$\Delta = 270 \text{ km. (168 mi.)}$
2)	iS ₁	21	58	18	same as above, preliminaries lost.
3)	iS ₁	22	17	10	" " " " "

Daniel Linehan, S.J.

NESA BULLETIN

June 16 - 30, 1942

Bulletin No. 96

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

Weston

iP ₁	18 31 01	
iS ₁	18	$\Delta = 139 \text{ km. (86 mi.)}$

***** (June 19) *****

Weston

iP ₁	18 13 10	
iS ₁	20	$\Delta = 82 \text{ km. (51 mi.)}$

***** (June 19) *****

Weston

iP ₁	22 12 11	
iS ₁	24	$\Delta = 106 \text{ km. (66 mi.)}$ dilatation to northeast

***** (June 20) *****

Weston

iP ₁	18 15 05	
iS ₁	13	$\Delta = 65 \text{ km. (40 mi.)}$

***** (June 22) *****

Weston

Undecipherable short period activity at

21 45 --	23 31 --	
22 35 --	23 51 --	
22 42 --	00 19 --	(on the 23rd.)

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

Weston

iP ₁	18 01 39	
iS ₁	49	$\Delta = 82 \text{ km. (51 mi.)}$

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

Weston

iP₁ 19 13 09
iS₁ 18 $\Delta = 74 \text{ km. (46 mi.)}$

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

Weston

iP₁ 22 37 21
iS₁ 29 $\Delta = 65 \text{ km. (40 mi.)}$

***** (June 26) *****

Weston

Fordham

iS₁ 15 49 40 iS₁ 15 53 09

***** (June 26) *****

Weston

iP₁ 16 05 32
iS₁ 06 08 $\Delta = 295 \text{ km. (184 mi.)}$

***** (June 26) *****

Weston

iP₁ 16 11 25
iS₁ 55 $\Delta = 246 \text{ km. (153 mi.)}$

***** (June 27) *****

Weston

1) iP₁ 01 20 22
iS₁ 36

2) iP₁ 01 23 22
iS₁ 36

Two blasts from same location. $\Delta = 115 \text{ km. (72 mi.)}$

***** (June 27) *****

Weston

iP₁ 17 26 22
iS₁ 35 $\Delta = 106 \text{ km. (65 mi.)}$

- 3 -

***** (June 27) *****

Weston

1) iP₁ 19 36 09
iS₁ 21
Double blast!

2) iP₁ 19 37 44
iS₁ 56
 $\Delta = 98 \text{ km. (61 mi.)}$

***** (June 29) *****

Weston

iP₁ 17 02 28
iS₁ 42 $\Delta = 114 \text{ km. (71 mi.)}$

***** (June 29) *****

Fordham

iP₂ 18 54 23.0
iS₂ 46.5 $\Delta = 202 \text{ km. (126 mi.)}$

***** (June 30) *****

Fordham

iP₂ 18 12 55
i 56.5
iS₂ 13 12 $\Delta = 157 \text{ km. (98 mi.)}$

Daniel Linehan, S.J.

NESA BULLETIN

July 1 - 15, 1942

Bulletin No. 97

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

Weston

iP₂ 20 36 54.5
iP₁ 55.2
i 37 07.5
iS₁ 10

$\Delta = 126$ km. (79 mi.)
dilatation to west.

***** (July 2) *****

Weston

iP₂ 19 13 02.2
iS₂ 19.0

$\Delta = 140$ km. (87 mi.)

***** (July 2) *****

Weston

iP₂ 19 42 34
iS₂ 50.3

$\Delta = 140$ km. (87 mi.)

***** (July 2) *****

Weston

iP₁ 23 44 15
iS₁ 25
iL 27.5

$\Delta = 82$ km. (51 mi.) Local ?

***** (July 5) *****

Weston

iP₁ 19 14 26.5
iS₁ 35.5

$\Delta = 78$ km. (48 mi.)

***** (July 5) *****

Weston

iP₁ 19 30 24.5
iS₁ 34

$\Delta = 78$ km. (48 mi.)

***** (July 5) *****

Weston

eP 23 21 12
eS 25 12 $\Delta = 22^{\circ}3$ Caribbean Quake!

Short period activity begins again at 23 41 20 and lasts about 6 minutes on the Weston records. This time approximates that when the "T" group should ordinarily arrive. However, the length of duration and character of the phases is not the same as the usual "T" phases we have recorded in the past.
(cf Bulletin No. 17)

***** (July 6) *****

Weston

iP₁ 15 24 57
iS₁ 25 09 $\Delta = 97$ km. (60 mi.)

***** (July 6) *****

Fordham

iP₂ 20 48 51.5
iS₂ 49 13.5 $\Delta = 177$ km. (110 mi.)

***** (July 7) *****

Weston

iP₁ 16 40 45.5
iS₁ 57.5 $\Delta = 97$ km. (60 mi.)

***** (July 7) *****

Fordham

i 21 51 47

Weston

i ? 21 51 35
iS 52 01

***** (July 7) *****

Fordham

iP₂ 23 35 55
iS₂ 36 24 $\Delta = 250$ km. (155 mi.)

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

Weston

a) iP₁ 12 03 04.5
iS₁ 12.5

b) iP₁ 12 04 17
iS₁ 25

Double Blast!
 $\Delta = 65$ km. (40 mi.)

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

Weston

iP₁ 20 26 07.5
iS₁ 16.5

$\Delta = 72$ km. (45 mi.)
Compression to West ?

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

Weston

iP₁ 20 31 14.5
iS₁ 24

$\Delta = 73$ km. (45 mi.)

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

Weston

iP₂ 20 38 50
iS₂ 39 12

$\Delta = 180$ km. (112 mi.)

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

Weston

iP₁ 20 41 44
iS₁ 52

$\Delta = 65$ km. (40 mi.)

***** (July 10) *****

Fordham

eS 18 06 17

***** (July 10) *****

Weston

a) iP₁ 18 17 19
iS₁ 27.5

$\Delta = 68$ km. (42 mi.)
Compression to west.

b) iP₁ 18 19 05
iS₁ 13

$\Delta = 68$ km. (42 mi.)

***** (July 10) *****

Fordham

iP₂ 18 31 45.5
iS₂ 32 04.5

$\Delta = 113$ km. (70 mi.)

Weston

iP₂ 18 31 51
iS₂ 32 15

$\Delta = 206$ km. (128 mi.)

***** (July 10) *****

Weston

a) iP₁ 19 37 48
iS₁ 56

$\Delta = 68$ km. (42 mi.)

b) iP₁ 19 39 20
iS₁ 28

Double blast followed a 3rd disturbance of undecipherable phases.

***** (July 13) *****

Weston

iP₂ 13 58 50
iS₂ 59 07

$\Delta = 140$ km. (87 mi.)

***** (July 13) *****

Weston

iP₁ 18 33 18.2
iS₁ 28

$\Delta = 80$ km. (50 mi.) Followed by at least three other disturbances from same location within 70 seconds. Phases undecipherable!

***** (July 13) *****

Weston

iP₁ 18 36 52
iS₁ 37 03

$\Delta = 90$ km. (56 mi.)

***** (July 15) *****

Weston

i 18 10 27

***** (July 15) *****

Weston

iS₁ 20 08 33

***** (July 15) *****

Weston

iS₁ 21 21 51

Daniel Linehan, S.J.

July 16 - 31, 1942

Bulletin No. 98



***** (July 16) *****

Weston

iP₁ 17 09 13
iS₁ 24 $\Delta = 90$ km. (56 mi.)

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

Weston

iP₁ 00 58 30.5 $\Delta = 102$ km. (63 mi.) A second disturbance with
iS₁ 43 its preliminaries lost in this disturbance.

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

Weston

iP₂ 12 26 49.5
iS₂ 27 06 $\Delta = 138$ km. (86 mi.)

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

Weston

iP₂ 19 47 42
iS₂ 48 08 $\Delta = 138$ km. (86 mi.)

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

Weston

iP₁ 20 48 19
iS₁ 28 $\Delta = 74$ km. (46 mi.)

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

Weston

iP₁ 21 55 13
iS₁ 23 $\Delta = 82$ km. (51 mi.)

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

Weston

iP₁ 23 06 50
iS₁ 07 00 $\Delta = 82$ km. (51 mi.)

***** (July 18) *****

Weston

a) iP_1 20 16 13
 iS_1 23

b) iS_1 20 17 02

$\Delta = 82$ km. (51 mi.) Double blast!

***** (July 20) *****

Weston

iS_1 17 46 37

***** (July 21) *****

Weston

iP_1 17 42 48
 iS_1 57

$\Delta = 74$ km. (46 mi.)

***** (July 21) *****

Weston

iP_1 17 51 59
 iS_1 52 08

$\Delta = 74$ km. (46 mi.)

***** (July 21) *****

Fordham

iP_2 20 48 51.5
 iS_2 49 13.5

$\Delta = 177$ km. (110 mi.)

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

Weston

a) iP_1 19 25 54
 iS_1 26 04

b) iP_1 19 27 53
 iS_1 28 03.5

$\Delta = 82$ km. (51 mi.) Double blast!

***** (July 24) *****

Weston

iP_1 20 46 12.5
 iS_1 25

$\Delta = 102$ km. (63 mi.)

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

Weston

iP₁ 18 36 44
iS₁ 57 $\Delta = 102$ km. (63 mi.)

***** (July 29) *****

Weston

iS₁? 01 33 20

***** (July 29) *****

Weston

a) iP ₁ 18 06 14	b) iP ₁ 18 08 02
iS ₁ 24	iS ₁ 12
$\Delta = 82$ km. (51 mi.) Double Blast!	

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

Weston

iP₁ 00 32 07
iS₁ 19 $\Delta = 97$ km. (60 mi.)

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

Weston

iP₁ 00 37 12
iS₁ 24.5 $\Delta = 97$ km. (60 mi.)

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

Weston

a) iP ₁ 19 08 33	b) iP ₁ 19 10 28
iS ₁ 41	iS ₁ 36.5
$\Delta = 65$ km. (40 mi.)	i 20 47 08 short period
activity lasting 120 seconds and connected with two former blasts!	

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

Weston

a) iP₁ 21 22 08
iS₁ 20

b) iP₁ 21 24 00
iS₁ 12

$\Delta = 97$ km. (60 mi.)

1 21 27 40 short period
activity lasting 90 seconds! Connected with
two former blasts.

Daniel Linehan, S.J.

NESA BULLETIN

August 1 - 15, 1942

Bulletin No. 99

***** (August 1) *****

Ottawa

iP ₁	21 14	08	
iS ₁		25	
i		29	$\Delta = 150$ km. (93 mi.)
iL ?		36	

***** (August 1) *****

Weston

iP ₁	21 38	55	
iS ₁		39 10	$\Delta = 123$ km. (76 mi.)

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

Weston

i	01 11	46	continuous short period activity!
i	01 37	35	continuous short period activity!

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

Weston

iP ₂	19 33	25	
iS ₂		42	$\Delta = 141$ km. (87 mi.)

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

Weston

iP ₂	19 43	35	
iS ₂		52	$\Delta = 141$ km. (87 mi.)

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

Weston

iP ₂	02 30	51	
iS ₂		31 12	$\Delta = 178$ km. (110 mi.)

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

Weston

a) iP₂ 05 20 21
iS₂ 34

b) iP₂ 05 20 30
iS₂ 53

$\Delta = 104$ km. (65 mi.) Double Blast!

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

Weston

iP₂ 05 50 55
iS₂ 15

$\Delta = 169$ km. (106 mi.) followed by 4 (?) disturbances but phases not clear!

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

Weston

iP₁ 19 05 17.5
iS₁ 22.0

$\Delta = 36$ km. (22 mi.)

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

Weston

iP₂ 05 10 27
iS₂ 49

$\Delta = 188$ km. (118 mi.)

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

Weston

iP 15 36 19

Short period activity lasting 120 seconds.

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

Weston

iP₂ 15 56 38
iS₂ 57 00

$\Delta = 188$ km. (118 mi.)

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

Weston

iP₂ 15 59 43
iS₂ 16 00 05

$\Delta = 188$ km. (118 mi.)

Weston

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

iP₂ 16 15 56
iS₂ 16 18 $\Delta = 188$ km. (118 mi.)

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

Weston

iP₁ 23 18 55
iS₁ 19 05 $\Delta = 82$ km. (51 mi.)

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

Weston

iP₁ 12 03 52
iS₁ 04 04 $\Delta = 98$ km. (61 mi.)

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

Weston

iP₁ 12 05 13
iS₁ 24 $\Delta = 89$ km. (55 mi.)

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

Weston

iP₁ 09 18 25
iS₁ 38 $\Delta = 106$ km. (66 mi.)

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

Fordham

iP₁ 19 10 32
iS₁ 45
 $\Delta = 106$ km. (66 mi.)

Weston

iP₂ 19 10 41.5 Quarry Blast at
iS₂ 11 02 N. Branford, Conn
 $\Delta = 174$ km. (108 mi.)

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

Weston

iP₁ 20 12 37
iS₁ 48 $\Delta = 90$ km. (56 mi.)

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

Weston

iP₁ 20 14 12
iS₁ 23 $\Delta = 90 \text{ km. (56 mi.)}$

***** (August 11) *****

Weston

iS₁ 19 38 34

***** (August 12) *****

Weston

iP₁ 00 10 12
iS₁ 20 $\Delta = 147 \text{ km. (91 mi.)}$

***** (August 12) *****

Weston

iP₁ 00 13 09
iS₁ 27 $\Delta = 147 \text{ km. (91 mi.)}$

***** (August 12) *****

Weston

iP₁ 00 14 18
iS₁ 26 $\Delta = 65 \text{ km. (40 mi.)}$

***** (August 12) *****

Weston

iP₁ 13 21 05
iS₁ 21 $\Delta = 130 \text{ km. (80 mi.)}$

***** (August 13) *****

Weston

a) iP ₁ 14 53 16	b) iP ₁ 14 54 50
iS ₁ 28	iS ₁ 55 02
$\Delta = 98 \text{ km. (61 mi.)}$	Double Blast!

***** (August 13) *****

Weston

iP ₁	17	17	40	
iS ₁		18	00	$\Delta = 163 \text{ km. (102 mi.)}$

Daniel Linehan, S.J.

NESA BULLETIN

August 16 - 31, 1942

Bulletin No. 100



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

Fordham

iP 11 40 23
i 42 13

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

Weston

iP₁ 18 30 55
iS₁ 31 07 $\Delta = 98$ km. (61 mi.)

***** (August 18) *****

Weston

iP₂ 12 04 44
iS₂ 05 04 $\Delta = 169$ km. (105 mi.)

***** (August 18) *****

Fordham

iP₂ 21 38 08
iS₂ 38 28 $\Delta = 169$ km. (105 mi.)

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

Fordham

iS 00 00 58
Doubtful if these are
the same disturbance!

Weston

iP₂ 00 00 40
iS₂ 01 09 $\Delta = 252$ km. (144 mi.)

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

Weston

iP₂ 20 33 00
iS₂ 20.5 $\Delta = 177$ km. (110 mi.)

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

Weston

iP₁ 22 24 03.5
iS₁ 15.5 $\Delta = 98$ km. (61 mi.)

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

Weston

iP₂ 23 20 59
iS₂ **21** 24 $\Delta = 215$ km. (134 mi.)

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

Weston

A series of short period disturbances, about 17 in all, averaging about 197 km. (123 mi.) distance.

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

Weston

a) iP ₁ 23 27 31	b) iP ₁ 23 27 35	$\Delta = 65$ km. (40 mi.)
iS ₁ 39	iS ₁ 43	
c) iS ₁ 23 27 55	d) iS ₁ 23 28 21	Four blasts from same location!

***** (August 21) *****

Weston

iP₂ 16 42 26
iS₂ 45 $\Delta = 160$ km. (99 mi.)

***** (August 21) *****

Weston

iP₁ 20 11 04
iS₁ 08.5 $\Delta = 37$ km. (23 mi.)

***** (August 21) *****

Weston

iP₂ 22 42 41
iS₂ 59 $\Delta = 151$ km. (94 mi.)

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

Weston

iP₂ 15 45 36
iS₂ 53 $\Delta = 141$ km. (88 mi.)

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

Weston

iP₁ 18 31 41.5
iS₁ 51.0 $\Delta = 78 \text{ km. (48 mi.)}$

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

Weston

a) iP₂ 19 49 08
iS₂ 31

b) iP₂ 19 49 14
iS₂ 37

$\Delta = 206 \text{ km. (128 mi.)}$

Double Blast!

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

Weston

iP₁ 21 47 01
iS₁ 14 $\Delta = 106 \text{ km. (66 mi.)}$

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

Fordham

iP₁ 00 41 14
iS₁ 27 $\Delta = 106 \text{ km. (66 mi.)}$

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

Weston

iP₁ 18 45 55.5
iS₁ 46 01.5 $\Delta = 49 \text{ km. (30.5 mi.)}$

***** (August 25) *****

Weston

iP₂ 16 50 13
iS₂ 32 $\Delta = 160 \text{ km. (99 mi.)}$

***** (August 25) *****

Weston

iP₂ 17 00 39
iS₂ 57 $\Delta = 151 \text{ km. (94 mi.)}$

***** (August 25) *****

Weston

iP₂ 22 30 34
iS₂ 42 $\Delta = 151$ km. (94 mi.)

***** (August 26) *****

Weston

iP₁ 20 50 57
iS₁ 51 06 $\Delta = 74$ km. (46 mi.)

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

Weston

iP₂ 22 00 52
iS₂ 01 07 $\Delta = 123$ km. (77 mi.)

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

Weston

iP₂ 23 05 23
iS₂ 47
 $\Delta = 206$ km. (128 mi.)

Fordham

iP₂ 23 05 21
iS₂ 42 Doubtful if these are
from the same distur-
bance.

$\Delta = 178$ km. (111 mi.)

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

Fordham

iS₁ 01 09 14

***** (August 29) *****

Weston

iP₂ 15 03 23 Marks the beginning of a series of short period
iS₂ 42 disturbances all about the same distance.
 $\Delta = 160$ km. (99 mi.)

***** August 29) *****

Fordham

iS₁ 17 49 19

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

Weston

iP₁ 00 02 38
iS₁ 45

$\Delta = 57$ km. (35 mi.)

***** (August 31) *****

Weston

iP₁ 19 16 09
iS₁ 18

$\Delta = 73$ km. (45 mi.)

iP₁ 20 09 53
iS₁ 10 02

These three of same distance and perhaps
same location.

iP₁ 20 13 06
iS₁ 15

Daniel Linehan, S.J.

NESA BULLETIN

September 1 - 15, 1942

Bulletin No. 101

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

Fordham

iP₂ 17 21 01
iS₂ 21 21

Weston

iS₁ 17 21 31

$\Delta = 170$ km. (106 mi.)

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

Fordham

iP₂ 16 55 43
iS₂ 56 02

$\Delta = 161$ km. (100 mi.)

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

Weston

iP₁ 17 40 38
iS₁ 47

$\Delta = 73$ km. (45 mi.)

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

Weston

a) iP₁ 19 29 52
iS₁ 58

b) iP₁ 19 29 54
iS₁ 30 00

Double Blast! $\Delta = 49$ km. (31 mi.)

***** (September 3) *****

Weston

iP₂ 13 29 36
iS₂ 54

$\Delta = 150$ km. (93 mi.)

***** (September 3) *****

Fordham

iS 15 00 44

***** (September 4) *****

Weston

iP₂ 22 57 09
iS₂ 32 $\Delta = 197$ km. (122 mi.)

***** (September 4) *****

Weston

iP₂ 23 47 19
iS₂ 40 $\Delta = 178$ km. (110 mi.)

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

Weston

iP₁ 18 28 23
iS₁ 35.5 $\Delta = 102$ km. (63 mi.)

***** (September 7) *****

Weston

iP₂ 20 54 48
iS₂ 55 08 $\Delta = 169$ km. (105 mi.)

***** (September 9) *****

Weston

iP₁ 02 42 26.7 Compression to Northeast
iS₁ 37 $\Delta = 84$ km. (52 mi.)

***** (September 9) *****

Weston

iP₁ 19 59 29
iS₁ 39 $\Delta = 82$ km. (51 mi.)

***** (September 11) *****

Weston

eS₁ 11 09 00 ?

***** (September 11) *****

Weston

iP ₁	17	22	08	
iS ₁			15	$\Delta = 57 \text{ km. (35 mi.)}$
				Both from same location apparently!
iP ₁	17	24	15	
iS ₁			22	
iP ₁	17	31	51.6	Compression to west! Similar to others
iS ₁		32	00	$\Delta = 69 \text{ km. (43 mi.)}$

***** (September 12) *****

Weston

iP ₂	17	52	05	$\Delta = 160 \text{ km. (99 mi.)}$
iS ₂			24	Compression to southwest! Followed by 29
				other disturbances from approximately the same
				distance!

***** (September 13) *****

Weston

iP ₁	16	32	09.5	$\Delta = 61 \text{ km. (38 mi.)}$ Followed by 18 others
iS ₁			17.0	varying in distance up to 80 km.

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

Weston

iP ₂	17	18	53.5	$\Delta = 100 \text{ km. (62 mi.)}$
iS ₂		19	06.0	

***** (September 15) *****

Weston

iP ₂	13	17	26	
iS ₂			44.5	$\Delta = 155 \text{ km. (96 mi.)}$

***** (September 15) *****

Weston

iP ₁	15	52	32	$\Delta = 131 \text{ km. (81 mi.)}$ and 20 others from about
iS ₁			48	the same distance.

Daniel Linehan, S.J.

NESA BULLETIN

September 15 - 30, 1942

Bulletin No. 102



Addenda to Bulletin No. 101

***** (September 15) *****

Ottawa

iP ₁	22	33	11	
iS ₁		33	30	
i		33	37	$\Delta = 160 \text{ km. (99 mi.)}$

Weston

iP ₁	16	20	44.7	Compression to W-NW.
iS ₁			56.5	$\Delta = 96 \text{ km. (60 mi.)}$

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

Weston

iP ₂	16	21	06	
iS ₂			17.5	Same location as above!

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

Weston

iP	18	58	30	undecipherable short period motion.
----	----	----	----	-------------------------------------

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

Weston

iP	02	11	28	undecipherable short period motion.
----	----	----	----	-------------------------------------

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

Weston

a) iP ₁	17	59	09		b) iP ₁	18	03	08	Both compression to West
iS ₁			20		iS ₁		19		$\Delta = 90 \text{ km. (56 mi.)}$

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

Fordham

iP ₂	18	59	31	
iS ₂			52	$\Delta = 178 \text{ km. (110 mi.)}$

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

Ottawa

iP₁ 22 29 46
iS₁ 30 03
i 30 07 $\Delta = 139$ km. (86 mi.)

***** (September 19) *****

Weston

iP 02 23 12 undecipherable short period motion.

***** (September 20) *****

Weston

iP 14 25 41 undecipherable short period motion.

***** (September 21) *****

Weston

iP₂ 14 29 18 Dilatation from northeast.
iS₂ 38.5 $\Delta = 174$ km. (108 mi.)

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

Weston

iP₁ 15 06 44
iS₁ 07 04 $\Delta = 163$ km. (101 mi.)

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

Weston

iP₁ 17 59 54
iS₁ 18 00 01.5 $\Delta = 61$ km. (38 mi.)

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

Weston

iP₁ 18 42 55
iS₁ 43 01 $\Delta = 49$ km. (31 mi.)

3
***** (September 24) *****

Weston

iP₂ 05 19 50.5 Dilatation to northeast
iS₂ 20 07 $\Delta = 137$ km. (85 mi.)

***** (September 24) *****

Weston

iP₂ 05 21 18
iS₂ 35 Same location as above.

***** (September 25) *****

Weston

a) iP 08 10 00 b) iP 09 54 55 Two short period disturbances
undecipherable, each lasting
about 3 minutes.

***** (September 25) *****

Weston

a) iP₁ 18 22 56 b) iP₁ 18 23 01 Double disturbance,
iS₁ 23 07 $\Delta = 90$ km. (56 mi.)

***** (September 26) *****

Weston

A series of disturbances ca. 132 km. (82 mi.) distance (S₂-P₂ = 16 secs.). This series between 14 and 21 hours numbers about 33.

***** (September 28) *****

Weston

iP₁ 17 01 25 Dilatation from south east.
iS₁ 36 $\Delta = 90$ km. (56 mi.)

***** (September 28) *****

Weston

iP₁ 17 04 45
iS₁ 56 Same location as the above.

***** (September 29) *****

Weston

iP₁ 13 13 59 followed by 5 others up to 20 hours.
iS₁ 14 10 $\Delta = 90$ km. (56 mi.)

***** (September 30) *****

Weston

iP₁ 15 15 56 Compression to southwest.
iS₁ 09 Δ = 106 km. (65 mi.)

***** (September 30) *****

Fordham

iP₁ 15 21 14
iS₁ 25 Δ = 90 km. (56 mi.)

***** (September 30) *****

Weston

iP₁ 15 23 06
iS₁ 19 Δ = 106 km. (66 mi.)

***** (September 30) *****

Fordham

iS₁ 19 51 07

***** (September 30) *****

Fordham

iP₂ 20 55 50
iS₂ 56 06
Δ = 133 km. (82 mi.)

Weston

iS₁ 20 56 24

Daniel Linehan, S.J.

NESA BULLETIN

October 1 - 15, 1942

Bulletin No. 103



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

Weston

e 11 48 18
iS₁ 54

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

Fordham

iS₁ 15 41 39

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

Weston

iP₁ 16 02 54 $\Delta = 188$ km. (117 mi.)
iS₁ 03 17 followed by three others at same distance.

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

Fordham

iS₁ 18 15 22

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

Weston

iP₁ 18 48 10
iS₁ 28 $\Delta = 147$ km. (91 mi.)

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

Ottawa

iP₂ 20 58 49
iS₂ 59 27.5
 $\Delta = 340$ km. (210 mi.)
H = 20 57 58

Weston

iP₂ 20 59 00
iS₂? 35
 $\Delta = 400$ km. (250 mi.)
Comp to south from P₂-H

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

Weston

i 22 04 20 Short period activity about 3 min. duration.

- 2 -
***** (October 2) *****



Fordham

a) iS₁ 16 34 27

b) iS₁ 18 04 03

***** (October 2) *****

Fordham

Weston

Ottawa

iP₂ 22 30 19
iS₂ 42

iP₁ 22 30 24.5
iS₁ 49

i 22 31 30
F 32.1

$\Delta = 197$ km. (122 mi.) $\Delta = 200$ km. (124 mi.)

Located near Albany, N.Y., although absolute times do not agree for a common H.

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

Weston

a) iP₁ 17 59 48
iS₁ 59

b) iP₁ 18 04 31
iS₁ 42

Both disturbances from same location

$\Delta = 90$ km. (56 mi.)

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

Fordham

Weston

iP₂ 18 07 26.5
iP₁ 27.3
iS₂ 46.6

iP₁ 18 07 34.5
iS₁ 57

ca. 10 mi. south of
Ravenna, N.Y.

$\Delta = 210$ km. (130 mi.) H = 18 06 59.5

$\Delta = 172$ km. (107 mi.)

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

Weston

iP₁ 18 06 38.5
iS₁ 07 12

$\Delta = 274$ km. (170 mi.) followed by 25 other disturbances from approx. the same distance up to the 20th hr. Fordham also reports receiving these.

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

Weston

iP₁ 14 34 36
iS₁ 46

$\Delta = 82$ km. (51 mi.) followed by four others from same location.

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

Weston

a) i 21 21 30

b) i 21 27 18

short period activity lasting several minutes.

***** (October 7) *****

Weston

a) iP₁ 20 33 04.5
iS₁ 14.0

b) iP₁ 20 36 24
iS₁ 34

$\Delta = 82$ km. (51 mi.)

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

Weston

A series of 11 disturbances between 16 and 18 hrs. $\Delta =$ ca 80-120 k
(50-75 mi.) distance,

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

Weston

iP₁ 13 41 27
iS₁ 39

$\Delta = 98$ km. (61 mi.)

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

Fordham

a) e 19 24 14

b) e 21 55 52

***** (October 13) *****

Weston

iP₁ 17 16 28.6
iS₁ 33

Dilatation from East

$\Delta = 40$ km. (25 mi.) Local ?

***** (October 13) *****

Weston

iP₁ 18 16 46
iS₁ 55

$\Delta = 73$ km. (45 mi.)

***** (October 14) *****

Weston

iP₁ 19 55 52
iS₁ 59

$\Delta = 57$ km. (35 mi.) Local ?
on October 13th at 17th hr.

Similar to local (?)

Daniel Linehan, S.J.

NESA BULLETIN

October 15 - 31, 1942

Bulletin No. 104

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***** (October 16) *****

Weston

iP_1 22 16 16
 iS_1 21 $\Delta = 41 \text{ km. (25 mi.)}$

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

Weston

a) e 11 15 00 b) e 11 42 10
c) e 11 50 34 d) e 12 02 40

Series of undecipherable short period disturbances.

(October 18)

Weston

iP₂ 14 23 59 Δ = 169 km. (105 mi.)
iS₂ 24 29 Compression to southeast.

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

Weston

15, 19 22 40

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

Fordham

a) e 15 51 59 b) 15 18 51 51
c) e 22 18 57

***** (October 21) *****

Weston

iP₂ 11 40 31
iS₁ 47 Δ = 123 km. (76 mi.)

***** (October 21) *****

Weston

iP₁ 12 58 22
iS₁ 35 $\Delta = 106$ km. (66 mi.) Dilatation from east.

***** (October 21) *****

Fordham

i 16 28 18

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

Weston

e 09 47 20

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

Fordham

iS₁ 14 09 09

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

Ottawa

iP₁ 16 47 40
iS₁ 57
L 48 07 $\Delta = 145$ km. (90 mi.)

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

Fordham

Weston

iP₁ 17 27 22 iS₁ 17 28 47
iS₁ 36 $\Delta = 114$ km. (71 mi.)

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

Weston

a) iP₁ 18 27 03
iS₁ 12

b) iP₁ 18 29 33
iS₁ 42

$\Delta = 73$ km. (45 mi.) Dilatation from east.

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



Weston

a) $1P_1$ 17 16 46
 $1S_1$ 17 01

b) $1S_1$ 17 18 33

$\Delta = 123$ km. (76 mi.)

***** (October 26) *****

Weston

$1P_1$ 17 17 20
 $1S_1$ 30

$\Delta = 82$ km. (51 mi.)

***** (October 26) *****

Weston

$1P_1$ 17 28 45.5
 $1S_1$ 38

$\Delta = 102$ km. (63 mi.)

***** (October 27) *****

Weston

A series of 32 short period disturbances between 14 and 17 hours. $S_1-P_1 =$ ca. 17 - 18 seconds. $\Delta = 140$ km. (87 mi.) ca.

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

Weston

A series of 38 short period disturbances between 17 and 20 hours. $S_1-P_1 =$ ca. 17 - 18 seconds. $\Delta = 140$ km. (87 mi.) ca.

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

Weston

$1P_1$ 21 41 16.8
 $1S_1$ 19.8

$\Delta = 24.5$ km. (15 mi.) Compression to west-northwest.

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

Weston

$1P_1$ 11 20 10
 $1S_1$ 20

$\Delta = 74$ km. (46 mi.)

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

Weston

$1P_1$ 12 24 08
 $1S_1$ 18

$\Delta = 74$ km. (46 mi.)

same as above ?

David Lincoln, S.J.

NESA BULLETIN

November 1 - 15, 1942

Bulletin No. 105

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

Weston

iP₂ 15 33 54
iS₂ 34 40 $\Delta = 410$ km. (256 mi.) local!

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

Ottawa

iP₂ 18 06 04.5
iS₂ 22 $\Delta = 150$ km. (94 mi.)

***** (November 2) *****

Weston

iP₁ 19 58 22
iS₁ 43
 $\Delta = 172$ km. (107 mi.) Double blast!

2) iP₁ 19 01 30
iS₁ 51

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

Weston

iP₁ 19 19 05
iS₁ 14
 $\Delta = 74$ km. (47 mi.) Double blast!

2) iP₁ 19 28 35
iP₁ 44

***** (November 5) *****

Weston

iP₁ 17 18 44
iS₁ 53 $\Delta = 74$ km. (47 mi.) Double blast!

2) iP₁ 17 20 15
iS₁ 24

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

Weston

iP₁ 17 40 51
iS₁ 58 $\Delta = 57$ km. (36 mi.) followed by 10 others with distances up to 90 km. (56 mi.)

***** (November 8) *****

Fordham

i 10 04 12
i 38

***** (November 8) *****

Weston

iP ₂ 12 43 44		2) iP ₂ 13 39 33
iS ₂ 44 21	$\Delta = 326 \text{ km. (203 mi.)}$	iS ₂ 40 08
		same location!

***** (November 9) *****

Fordham

1 03 23 29	2) i 04 09 42
------------	---------------

***** (November 11) *****

Weston

iP ₁ 19 14 00	
iS ₁ 09	$\Delta = 74 \text{ km. (47 mi.)}$

***** (November 12) *****

Fordham

i 09 21 40

***** (November 12) *****

Weston

iP ₂ 18 20 02	
iS ₂ 25	$\Delta = 197 \text{ km. (123 mi.)}$

***** (November 13) *****

Weston

iP ₁ 17 34 11	2) iP ₁ 17 21 02
iS ₁ 18	iS ₁ 09
$\Delta = 57 \text{ km. (36 mi.)}$	Double blast!

***** (November 14) *****

Weston

iP₁ 17 30 37
iS₁ 46

2) iP₁ 17 31 44
iS₁ 53

$\Delta = 74$ km. (46 mi.)

Double blast!

***** (November 15) *****

Weston

iP₁ 17 55 54
iS₁ 56 03

2) iP₁ 17 58 07
iS₁ 16

$\Delta = 74$ km. (46 mi.)

Double blast!

Daniel Linehan, S.J.

NESA BULLETIN

November 16 - 30, 1942

Bulletin No. 106



***** (November 16) *****

<u>Ottawa</u>	<u>Shawinigan Falls</u>	<u>Weston</u>
iP ₁ 00 13 48	iP ₁ 00 14 00.5	eP _n 00 14 40
iS ₁ 59	iS ₁ 22	eS ₂ 15 46 ?
		iS ₁ 16 00
Δ = 95 km. (59 mi.)	Δ = 190 km. (119 mi.)	Δ = 510 km. (320 mi.)
H = 00 13 30		
φ = 46°1 N.	<u>Fordham</u>	
λ = 75°2 W.	eS ₁ ? 00 16 09	Δ = meas. 590 km. (368 mi.)

***** (November 16) *****

<u>Weston</u>		<u>Weston</u>
iP ₁ 13 35 48	2) iP ₁ 13 37 22	
iS ₁ 54	iS ₁ 28	
Δ = 49 km. (28 mi.)		

***** (November 19) *****

<u>Weston</u>	
iP ₁ 20 06 42	Δ = 188 km. (117 mi.) Followed by approximately
iS ₁ 07 05	5 others, a few seconds apart.

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

<u>Weston</u>	
iP ₁ 14 34 07	
iS ₁ 19	Δ = 98 km. (60 mi.)

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

<u>Fordham</u>
i 17 19 32

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

<u>Weston</u>		<u>Weston</u>
iP ₁ 17 57 52	2) iP ₁ 17 58 59	
iS ₁ 58	iS ₁ 59 05	
Δ = 49 km. (31 mi.)		
Double blast!		

- 2 -

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



Weston

iP ? 23 59 45 Local! Preliminaries very weak!
iS₁ 00 00 10

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

Fordham

i 13 28 02
i 07

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

Fordham

iP₂ 13 40 53
iS₂ 41 15.5 $\Delta = 192$ km. (120 mi.)

***** (November 28) *****

Weston

iP ₁ 15 09 36			2)	iP ₁ 15 14 35
iS ₁ 44	$\Delta = 65$ km. (41 mi.)			iS ₁ 43
Double blast!				

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

Weston

iP ₁ 15 04 45			2)	iP ₁ 15 09 23
iS ₁ 53	$\Delta = 65$ km. (41 mi.)			iS ₁ 31
Double blast!				

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

Weston

iP ₁ 15 43 22			2)	iP ₁ 15 46 44
iS ₁ 29	$\Delta = 57$ km. (36 mi.)			iS ₁ 51
Double blast!				

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

Fordham

iP₂ 18 16 32
iS₂ 59 $\Delta = 167$ km. (104 mi.)

Daniel Linehan, S.J.

NESA BULLETIN

December 1 - 15, 1942

Bulletin No. 107

***** (December 1) *****

Weston

iP₁ 18 13 17
iS₁ 23 $\Delta = 49$ km. (31 mi.) Followed by 5 others although
preliminaries lost.

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

Weston

iP₁ 16 21 44
iS₁ 51 $\Delta = 57$ km. (36 mi.)

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

Weston

iP₂ 14 47 42
iS₂ 48 03 $\Delta = 178$ km. (111 mi.) Followed by 19 others, from
same location, in next few hours

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

Ottawa

iP₁ 21 11 19.5 $\Delta = 185$ km. (115 mi.)
iS₁ 41 H = 21 10 45

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

Weston

eP ? 21 13 10
i 30
eS ? 46
iS 53

Fordham

i 21 13 59

local.

***** (December 6) *****

Weston

iP₁ 13 48 02
iS₁ 20 $\Delta = 147$ km. (93 mi.) Followed by 30 others from
same location!

- 2 -

***** (December 8) *****

Weston

iP₂ 18 06 18
iS₂ 38 $\Delta = 169$ km. (106 mi.)

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

Weston

iP₁ 19 50 03 $\Delta = 82$ km. (52 mi.) 2) iP₁ 19 52 39
iS₁ 13 Dil from the Ea

***** (December 13) *****

Weston

iS 08 11 45 local!

Daniel Linchan, S.J.

NESA BULLETIN

December 16 - 31, 1942

Bulletin No. 108

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

Weston

iP ₁	15 41 07		2)	iP ₁	15 42 33
iS ₁	13	$\Delta = 49$ km. (31 mi.)		iS ₁	39

***** (December 22) *****

Weston

i	04 45 05	S phases ?	2)	i	05 36 00
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***** (December 22) *****

Weston

iP ₁	15 13 27	2)	iP ₁	15 15 02	3)	iP ₁	15 15 39
iS ₁	34		iS ₁	09		iS ₁	46
		$\Delta = 57$ km. (36 mi.)					

***** (December 24) *****

Weston

iP ₁	15 31 59	$\Delta = 90$ km. (56 mi.)
iS ₁	32 10	

***** (December 29) *****

Fordham

iP 03 52 56

***** (December 29) *****

Weston

iP ₁	15 08 20	$\Delta = 155$ km. (97 mi.)
iS ₁	39	

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***** (December 30) *****

Weston

i 21 01 56
iS₁ 02 34

local!

***** (December 31) *****

Weston

iP₁ 15 08 24
iS₁ 31

$\Delta = 57 \text{ km. (36 mi.)}$

Daniel Linchan, S.J.,