

Legend 4/8

$\phi = 42^{\circ} 23' 04.9''$ N
 $\lambda = 71^{\circ} 19' 19.5''$ W

WESTON, MASS.

937

h = 60 meters
Metavolcanics

BULLETIN of Weston Observatory

*Jan. - July
1967*

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

*A = Comp
K = Dilat.*

No. 278

1961
January

05	X ✓	iP	14 17 12	Compression to Southeast Aleutians	65°
		eS	26 08		
		G	33 20		
		Q	38 20		
05	X ✓	iP	16 12 39		
		iP'	16 16 12		
05	X ✓	iP'	18 16 49		
05	X ✓	eP'	18 33 35		
06	X ✓	iP	01 33 33	Compression	
06	X ✓	iP	06 32 22		
06		iP	07 17 31		
10	X ✓	iP	14 34 23	Compression Southeast Kurile Islands	79°
		eS	44 20		
		eSS	49 31		
		G	54 20		
11	X ✓	iP	12 10 23		
		ePP	13 20		
		R	37 40		
14	X ✓	iP	16 24 10	Compression	
		eS	29 16		
14	X ✓	iP	16 48 49.5	Dilatation	
		eL	17 07 00		
16		eL	7 51 00	Preliminary phase lost in intense microseismic storm	
		eL	12 55 00		
		eL	14 50 00		
		eL	16 25 30		
18		eL	12 00		
19		eL	05 18 00		
19	X ✓	iP	17 34 23	Compression	
20		eL	17 33 00	preliminary phases lost in intense microseismic storm	

22	X ✓	eSS G	04 01 30 04 20 00		
23	X ✓	iP ePP ePPP	05 01 15 04 25 06 25	Compression	
25	X ✓	iP	19 16 22	Compression	
26	X ✓	iSKS eSS eSSS Q R	16 34 11 45 44 51 30 17 13 55 29 00		
26		eP iPcP eS eSS	17 54 40 55 40 18 01 58 05 30	dilatation	51.2°
27		eL	01 55 00		
28	X ✓	iP iPP iPPP eS eL	03 34 17.5 36 06 37 05 41 35 52 40	dilatation to North Peru	51°
28	X ✓	iS eSSS eL	20 12 25 26 05 38 37		
29		iPn iS	00 51 12.7 52 25.8	dilatation to Northeast	717 km
30	X ✓	iP eS R	12 21 18 27 34 37 36	Compression to Southeast Central Alaska	42.8°
31	X ✓	iP eS eSS Q R eL	57 49 01 05 13 09 05 13 26 18 56 22 26 42	Compression	52°

Short Period Activity

6	14 15 04.5
6	15 43 39.5
6	18 57 15.5
7	15 30 47
9	16 12 24.5
10	15 35 09
12	19 12 35
12	19 46 26
12	21 00 24
13	14 40 06
19	18 16 18
24	21 21 40
31	17 04 02

Edward Levine
Asst. Student

Copied H/S

$\phi = 42^{\circ} 23' 04.9''$ N
 $\lambda = 71^{\circ} 19' 19.5''$ W

h = 60 meters
Metavolcanics

WESTON, MASS.

BULLETIN of Weston Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

1961
February

No. 279

01	Q	00 56 00		
02	Q	22 35 00		
04	iP	01 23 01	Compression to North	
04	Q	07 07 00		
06	iP	10 40 09	Compression to North	
	i	40 39		
06	X ✓ iP	12 23 04.5	dilatation	
06	X ✓ iP	18 28 02.5	Compression to North	
06	iP'	22 04 11	Compression to East	131°
	X ✓ iPKS	07 33		
	ePPP	09 22		
	ePPPP	11 07		
	eSS	23 20		
	eSSS	28 30		
	Q	44 40		
	R	47 00		
07	iP	23 38 03		
08	X ✓ iP	08 12 33.7	Dilatation South	
09	X ✓ eP?	02 28 39		
	G	58 30		
11	X X Q	06 46 40		
11	iP	21 30 06	Compression	
	X ✓ i?	36 30	Fast	100°(ca)
	e?	38 25		
	R	58 30		
12	eP	01 31 44		
	Q	59 55		
12	e?	04 08 00		
12	X ✓ iP	22 06 30	Compression	84°
	iPP	10 17.5	South East	
	iPPP	12 11	Southern	
	iS	16 53	Kurile Islands	
	ePPS	18 05		
	Q	31 30		
	R	36 00		

12	X ✓	iP	23 39 20	✓	Compression	
13	X ✓	iP	07 29 43.2		off Eastern	
		iS	29 58.5		Massachusetts Coast	
		Q	31 20	✓		
13		R	07 43 45			
		iP	16 40 09.5		Compression	
		i	40 19.5			
		Q	17 17 40			
13	X ✓	eP?	22 50 00	✓		
14	X ✓	iP	00 28 24	✓		
	X ✓	iP	03 24 51		dilatation	
		Q	04 14 00			
15	X ✓	iP	10 58 00		Compression	88°
		eS	11 08 43			
		eSS	15 15			
		G	21 27	✓		
16	X ✓	iP	14 07 37		Compression	
		i	07 46			
18	X x	Q	17 32 38			
20	X ✓	iP	18 37 09.5 K		dilatation	
		i	37 40	✓		
22	X x	R	22 59 00			
23	X ✓	eP	04 29 29?			
		R	05 10 00	✓		
25	X x	Q	15 57 30			
26	X ✓	iP	06 01 13.5		Compression	
		e	11 42			
		Q	21 30	✓		
26	X ✓	iP	18 24 51		dilatation	106°
		iPP	29 10			
		ePPP	31 20			
		iSKS	35 26			
		iS	36 39			
		iPPS	39 10			
		iSS	43 51			
		eSSS	47 40			
		G	53 40			
		Q	55 50			
		R	58 10	✓		

Edward Levine
Student Asst.

$\phi = 42^{\circ} 23' 04.9''$ N
 $\lambda = 71^{\circ} 19' 19.5''$ W

copied JFS

h = 60 meters
 Metavolcanics

WESTON, MASS.

BULLETIN

of Weston Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

MARCH
 1961

No. 280

02	Q	00 12 18		
02	Q	15 40 36		
03	iP	16 32 25.5	Compression South	
05	iP'	01 45 17	Dilatation	
	Q	02 29 32		
06	iPn	12 15 31	Southern Ontario	1005 km
	iP'	16 08.2		
	iS _n	17 12	U.S.C.G.S.	
	iS'	18 19	48.1N, 80.0W	
			h = 49 km	
07	Q	07 28 40		
07	iP	10 25 49		
	iP'	29 26		
	iPP	30 43	Southwestern Pacific	120°
	iSKS	36 23	U.S.C.G.S.	
	iSKKS	37 43	28.2S., 175.7W	
	iS	38 27	h = 43 km	
	iSS	47 11	Kermadec Islands	
	R	09 00		
07	Q	20 23 20		
08	iP	00 28 01.5	Compression Southeast	
08	iP	18 30 41.2		
	iS	30 56.1		121 km
09	iS	15 02 47.5	near earthquake	
			P phases lost in microseismic storm	
11	iP	01 43 47	Compression	
	Q	02 15 15		
13	iP	08 11 03.5	Compression	39°
	iPP	12 28.5		
	iS	17 01		
	G	19 43		
	R	24 08		
13	iP	10 57 42	Compression	
13	iP	19 28 45.5	Compression	
15	i?	11 07 07		
	Q	19 36		

16 IP' 14 05 05.5
 X ✓ sS 26 56
 SSS 32 54
 G 40 55
 Q 50 50

Some depth
 to this earthquake

145° (ca)

16 X ✓ IP' 18 40 44.7

17 X ✓ e? 14 57 37
 G 15 05 35
 Q 09 20

17 Q 21 09 30
 R 13 30

18 X ✓ IP' 15 14 51
 IPP 17 33
 IPKS 18 41
 IPPP 21 35
 ISS 36 26
 SSSS 41 52
 G 54 38
 Q 16 01 40
 R 08 43

145°

19 X ✓ IP 05 18 43.5

Dilatation

19 X ✓ IP' 13 06 52

20 X ✓ IP 06 22 58.5
 IPP 24 20
 IPPP 24 45
 IS 28 48
 Q 33 16
 R 35 40

Northern
 South America

38°

20 X ✓ IP 11 50 48.2

Dilatation Northwest

20 X ✓ IP' 16 11 19
 IPP 12 37
 ISKS 17 59
 ISKKS 19 04
 IS 19 49
 ISs 21 17
 ISP 21 35
 IPKKP 22 28
 ISS 27 48
 G 38 34
 Q 42 10

113°

21 ? 00 31 50
 Q 40 38
 R 43 45

22 Q 14 06 33

24 X X Q 23 58 12

26 IP 20 20 18

Compression South East

28 IP 06 10 03

Dilatation Northwest

28	X ✓	iP	09 54 57		
28		iP	09 55 10.5	Multiple Earthquakes in Northern Kamchatka h = 100 - 200 km	67°
		iPcP	55 25		
	X ✓	ipP	55 53		
		iPP	57 54		
		iS	10 04 47		
		isS	05 25		
28		iP	09 57 47		
		iPcP	58 01		
	X ✓	ipP	58 30		
		iPP	10 00 23		
		iS	07 44		
		isS	08 26		
		iSS	10 18		
28		iP	12 39 54.5	Kamchatka h = 100 km	65°
		ipP	40 27		
	X ✓	eS	48 21		
		isS	49 47		
		G	59 47		
		Q	13 02 30		
		R	06 45		
28		eP	13 08 59		
28		iP	21 12 25.2	Kamchatka h = 100 - 200 km	66.6°
		iPcP	12 42		
	X ✓	ipP	12 55		
		iPP	15 07		
		iS	20 53		
		isS	21 44		
		eSS	25 18		
		G	32 16		
30		iP	07 51 32	California	37°
		iPP	52 46		
		iPcP	53 42		
		eS	57 24		
		G	59 20		
		Q	08 01 15		
		R	04 53		
30	X ✓	G	09 39 00		
		Q	41 32		
		R	47 36		
30		iP	20 28 51.8	Compression	

Edward Levine
Student Asst.

$\phi = 42^{\circ} 23' 04.9''$ N
 $\lambda = 71^{\circ} 19' 19.5''$ W

Popiel 495

h = 60 meters
 Metavolcanics

WESTON, MASS.

BULLETIN

of Weston Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

1961
 APRIL

No. 281

01	iP	15 31 28			113°
	iP ^o	35 24			
X	iPP	36 10			
	iSKS	42 12			
	iS	44 00			
	G	16 03 10			
	Q	07 46			
	R	11 54			
03	iP	01 17 13		Compression North	
03	iP	16 43 49.8		Compression	
04	i	10 26 36			
X	G	30 50			
	Q	36 42			
	R	40 18			
06	Q	04 24 42			
X	R	26 08			
07	iP	08 47 52.8			
07	iP	20 06 08 A		Compression	
08	iP	05 25 19		Dilatation	
08	iP	09 12 05.5 K		Dilatation	
08	eP	17 57 44			
	iP	18 11 55.5		Chile	83.6°
	ipP	12 10			
X	isP	12 29			
	iPP	14 58			
	iS	22 02			
	iSS	26 54			
	Q	39 40			
09	iP	07 30 26		California	37°
	iPP	31 40			
X	eS	36 07			
	iScS	40 42			
	Q	42 08			
	R	43 55			
09	iP	16 00 45			107°
	iPP	05 16			
X	iSKS	11 26			
	eS	14 30			
	Q	35 28			
	R	39 48			

09	iP	17 23 01		
12	iP	09 13 01.5		
12	iP	11 11 19.5	Dilatation South	
12	iP	22 27 01	Guatamala -	32.1°
X	ipP	27 19	El Salvador	
	iPP	28 14		
	iS	32 17		
	G	33 35		
	Q	35 20		
	R	36 40		
13	iP	17 05 48		57°
X	iPP	08 05		
	iSS	17 40		
	G	19 50		
	Q	25 00		
	R	28 30		
16	X iP	11 52 24	Compression Southeast	
19	X iP	16 25 12.8 A	Compression Southeast	
19	X iP	18 25 18	Compression	
20	X G	22 30 57		
	X Q	33 00		
	R	36 40		
21	iP	19 43 53.5		
21	X iP	20 22 56		
	R (weak)	54 00		
21	X iP	21 37 21.5	Compression	
	Q	22 04 06		
23	iP	03 27 30.5	Dilatation South	
23	iP	09 14 19	Northern Japan	92°
X	iPP	17 50	h ≈ 100km	
	iSKS	24 46		
	iS	25 08		
	isS	25 40		
	iSS	30 50		
	R	56 32		
23	X iP	17 03 38	Dilatation	
	R (weak)	46 20		
24	iP	05 03 11.2	Dilatation	
24	Q	13 22 54		
25	X eP	00 41 18		
25	iP	01 15 34.5	Compression	
25	X iP	01 30 15		
	Q	02 07 35		
		12 50		

25	R	12 25 20
26	iP	07 51 36
X ✓	ipP	51 48
	i?	08 02 06
	Q	27 58
	R	✓ 34 54
29	iP	09 27 19
X ✓	iPP	28 51
	iPcP	29 04
	iS	33 36
	iScS	✓ 37 30
	Q	39 00
	R	44 28
30 X ✓	iP	07 40 18
30	R	07 49 50
30 X ✓	iP	11 27 55
30	R	15 47 56

off California Coast

42.2°

Compression

Edward Levine
Student Asst.

$\varphi = 42^{\circ} 23' 04.9''$ N
 $\lambda = 71^{\circ} 19' 19.5''$ W

Copied 495

h = 60 meters
 Metavolcanics

WESTON, MASS.

BULLETIN of Weston Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

MAY
 1961

No. 282

01	Q	12 41 10	Weak	
	R	43 40	Weak	
01	Q	19 09 10		
02	iP ^o	23 02 57		119 ^o
<i>X</i>	iSP	14 49		
<i>X</i>	iSS	21 13		
	Q	42 35		
	R	49 49		
02	Q	02 37 20	Weak	
<i>X</i>	R	42 25	Weak	
04	Q	07 15 38		
<i>X</i>				
05	Q	14 45 18		
<i>X</i>	R	48 00		
06	Q	20 08 50		
<i>X</i>				
07	Q	14 00		
<i>X</i>				
07	eSS	01 03 45		
<i>X</i>	Q	28 23		
	R	31 54		
07	iP ^o	04 51 46.5 <i>K</i>	Dilatation North	144 ^o
<i>X</i>	iPP	55 07		
	Q	05 35 40	Weak	
07	iP ^o	10 41 46.5		
<i>X</i>	iPP	45 06		
07	Q	16 01 00		
<i>X</i>				
08	iP	19 34 25 <i>A</i>	Compression North	66 ^o
<i>X</i>	iPcP	34 55	Northern Chile	
	iS	43 15		
	iScS	44 35		
	Q	56 50		
	R	20 00 00		
09	R	53 30		
10	Q	11 01 36		
11	iP	01 11 03.5		

11	X	✓	iP	08 50 32.5 A	Compression North	78°
			iPcP	50 55	Chile - Argentina	
			ePP	53 33		
			iS	09 00 32		
			iScS	00 52		
			iSS	05 25		
			Q	21 15		
12			Q	05 48 15	Weak	
12			eP	22 15 17		
13	X	X	Q	14 46 25	Weak	
13	X	✓	e	15 13 40		
			Q	19 50		
			R	23 10		
13	X	✓	iP	16 02 19		
14			Q	03 45 00	Weak	
			R	47 10		
14			Q	14 42 46	Weak	
14	X	X	R	15 59 30	Weak	
14	X	X	Q	19 52 10		
			R	56 30		
15	X	X	Q	20 16 50		
16	X	X	Q	18 29 45		
16	X	X	Q	22 47 40		
17	X	✓	iP	19 40 34	Dilatation Northwest	71°
			iS	49 53		
			iScS	50 35		
			iSS	59 44		
			Q	20 08 20		
19			iP	09 32 12	Compression	
			Q	42 12		
			R	43 50		
21			iP	17 49 52.5	Dilatation	
21	X	✓	iP	21 49 44.5 A	Compression	
22	X	X	R	14 44 54		
22	X	✓	iP	17 47 30		113°
			iPP	52 05		
			iSkS	58 24		
			iSKKS	59 30		
			iPKKP	18 02 10		
			iSS	08 36		
			Q	28 00		
			R	31 29		

23 iP 02 56 42 *A*
 iPcP 56 55
X ✓ iS 03 06 05
 iScS 06 54
 iSS 11 30
 Q 21 24
 R 25 24

Compression 72°
 Southwest
 Agean Sea
 Western Turkey

23 iP 03 47 23
 iPP 48 42
X ✓ iPcP 50 03
 iSS 55 08
 Q 56 28

Dilatation 35.8°

23 iP 16 51 25
 iPP 52 31.5
X ✓ iS 56 39
 iSS 58 41
 R 17 01 50

Compression Northeast 32°
 Guatamala

24 iP 02 50 56

24 Q 13 58 46

24 iP 17 37 51.8

29 *X* ✓ iP 00 33 04

Dilatation

29 *X* ✓ iP 07 40 30
 Q 08 23 15

Weak

29 *X* ✓ e 11 44 15
 Q 47 30

31 iP 14 24 46 *A*
 iPP 26 10
X ✓ iPcP 27 01
 iS 30 28
 iSS 33 02
 Q 34 44
 R 36 40

Compression East 36.6°
 California-Nevada Border

31 *X* *α* Q 20 19 48
 R 28 04

Edward Levine
 Student Asst.

Copied 495

$\phi = 42^{\circ} 23' 04.9''$ N
 $\lambda = 71^{\circ} 19' 19.5''$ W

h = 60 meters
Metavolcanics

WESTON, MASS.

BULLETIN

of Weston Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

No. 283

JUNE 1961.

01	X ✓	iP iS eT	10 07 47.5 11 47 28 25	Dominican Republic	22.4°
01	X ✓	iPP iS SS G R	23 47 08 54 47 01 10 10 90 24 46		97° (ca)
02	X ✓	iSKKS i? SS G	05 04 51 08 53 17 48 33 46		
03	X ✓	eP Q	01 24 53 55 14		
04	X ✓	iP iPP iSKS iPS Q R	07 46 50 50 54 57 34 08 00 00 30 00 33 40		100°
07	X ✓	iP ipP iPcP iPP iS G Q R	14 26 46 26 52 27 03 29 20 36 12 45 06 47 30 49 55	Compression West	72.5°
08	X ✓	iP'	16 03 35.5	Compression	
09		iP'	22 25 25	Compression	
10	X ✓	iP iPP iS Q R	09 00 14 01 58 06 50 13 40 19 04		45.4°
10	X ✓	i ? Q	20 50 16 21 10 30		

11		iP	05 23 49	Iran	94°
		iPP	27 28		
	X	iSKS	34 10		
		iS	34 56		
		iSS	40 40		
		G	50 52		
		Q	56 13		
		R	06 02 00		
12		Q	34 44	Weak	
14		Q	21 24 45		
		R	27 40		
15	X	iP	23 37 13	Compression North	
16	X	iP	07 20 46	Dilatation	
16		iP	10 38 29.8	Central	41°
		iPP	39 10	Colombia	
	X	iPP	39 46	Depth 200 km	
		iS	44 29		
		iSS	45 32		
17	X	eP	11 06 54		
		Q	25 00		
		R	26 58		
17	X	iP	15 14 04.5	Compression	32.4°
		iS	19 20		
		Q	24 44		
		R	27 30		
17	X	eP	18 46 21		
		Q	58 00		
		R	59 45		
18	X	iP	03 31 03.8	Compression	
		iPP	33 47	Northeast	
18		iP	14 13 27.3	Compression	
18		e ?	23 32 37		
		Q	36 25		
19	X	Q	02 57 30	Weak	
19	X	Q	08 29 28	Weak	
21		Q	04 15 00		
21	X	iP	20 44 25.2	Dilatation	
		iPP	47 54.5	Northwest	

23		eP	09 03 40	
	X	iPP	05 17	
		iS	09 55	
	✓	G	13 06	
		Q	16 16	
		R	20 00	
24		Q	05 24 45	Weak
26		Q	08 03 20	Weak
		R	08 00	Weak
26		iP	14 58 35	
	X	e ?	15 07 40	
	✓	e ?	08 30	
		Q	27 00	
27		G	07 50 30	
	X	Q	59 00	
	✓	R	08 02 30	
27	X	iP	08 30 03.8	Compression
28		eP	19 43 15	
28		e ?	15 56 21	
29		iP ^o	09 41 40	
	X	iPP	43 29	
	✓	eSKS	48 54	
		eSKKS	50 29	
		iSS	10 01 00	
		Q	20 20	

Edward Levine
Student Asst.

$\phi = 42^{\circ} 23' 04.9''$ N
 $\lambda = 71^{\circ} 19' 19.5''$ W

0937 *lepid 196*

h = 60 meters
Metavolcanics

WESTON, MASS.

BULLETIN

of Weston Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

JULY 1961

No. 284

01	iP	00 12 37	dilatation	
	eP	04 03 58	comp.	
	iP	13 20 25	comp.	
X	ipP	20 48		
	iP	23 55 24.8	comp.	
02	eP	02 20 01	comp.	
04	eR	05 16 50		
05	eP	05 08 27	comp.	
	ePn	22 45 54		770 km
	iS'	48 03	NNW of Weston	
06	eP'	22 28 26.5	comp.	
X	ePP	30 14	USCGS	127°
	eSS	47 44	20° S 169° E	
	SSS	52 02		
07	eP'	13 29 48	dilatation	
X	ePP	31 55	USCGS	$\Delta = 128^{\circ}$
	ePKS	33 16	5.7S, 149.7E	
	Q	14 05 00		
07	R	23 52 20		
08	ePP	02 56 04	USCGS 20° S 169° E	
X	e	03 14 04		
	eR	03 34 30		
08	eP'	15 53 35.5	comp.	
X	ePP	55 26	USCGS	127°
	eG	16 27 40	20.1 S 169.8 E	
08	eR	22 19 30		
09	eP	05 53 34	dilatation	
	eP	06 38 56	dilatation	
	eP	48 30		
09	eP	16 57 10.4	dilatation	
10	eP	04 00 06.5	comp.	
X	ipP	00 35		

10		eP	13 01 20	c
11	X ✓	ePP eR	09 52 50 10 38 10	
13		eP	02 22 10	comp.
17	X ✓	eP eS	01 07 51 13 32	comp. USCGS 16.7° N 97.7° W 37°
		eP	03 37 41	comp.
18	X ✓	eP ePP eS ePKKP	14 17 47 21 54 29 40 33 40	comp. USCGS 29.4N 131.6E 105°
		eP	17 02 32	comp.
19		eP	09 33 10	comp.
		eP	22 47 11.5	comp.
	X ✓	eP	23 11 50	comp.
20		eP	08 51 22	comp.
23	X ✓	iP eS	14 47 47 55 48	comp.
23	X ✓	eP' ePP PS SS	22 10 07.5 11 50 22 08 29 14	comp. USCGS 18.2S 168.3E 125°
24	X ✓	eP	02 01 44	Dilatation
	X ✓	eP	09 07 21	Dilatation
25	X ✓	iP	02 56 23	Dilatation
27	X ✓	eP	18 47 06	Dilatation
28	X ✓	iP eS iSS	01 13 30.5 14 05.5 20 01 23 12	comp. Dilatation h = 200 km $\Delta=47^\circ$
28	X ✓	eP R(lg)	10 21 14 36 50	Dilatation
		eP R(lg)	10 45 45 11 01 40	comp.
29		eP eR	17 09 52 25 20	

$\phi = 42^{\circ} 23' 04.9''$ N
 $\lambda = 71^{\circ} 19' 19.5''$ W

h = 60 meters
Metavolcanics

WESTON, MASS.

BULLETIN of Weston Observatory

Wiechert 80k NE Benioff 100k (long and short period) NEZ Bosch-Omori 25k NE

PRELIMINARY BULLETIN

January 1960

No. 265

- 09	iP	07 36 57	Compression	
11	iP	23 06 49	Compression	
- 13	iP	15 50 12	Dilatation	57°
	iS	58 11		
- 13	iP	16 40 43	Dilatation	
- 15	iP	09 40 00	Compression	57°
	iS	47 56		
- 16	iP	20 58 03	Dilatation	
- 17	iP	03 07 34	Compression	
- 18	iP	19 37 00	Dilatation	38°
	iS	42 39		
- 19	iP	02 28 48	Dilatation	76°
	iS	38 33		
20	iP	20 11 07		
- 23	iP'	05 00 24		
- 23	iP'	07 50 51		
- 23	iP'	18 16 05		
24	L	05 16 00		

Rev. R. A. Haus, S.J.