

RHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46' N, 01°35' W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR JANUARY, 1965

Instruments:- Wilson-Lamison seismometer free period 1 sec., coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.  
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
1	iPZ	21 43 03		-	19°.5	H 21 38 32 (BCIS)
	iSE	46 31		-		
	ME	21 52	10	14		
10	ME	14 52	21	19	138°	H 13 36 31 (USCGS)
	ME	14 55	20	18		
15	ePZ	06 08(33)	in minute break		46°.5	H 06 00 00 (Uppsala)
15	ePZ	23 51 47			19°	H 23 47 29 (BCIS)
	MN	24 00				
24	iPE	00 26 20		-	113°	H 00 11 12 (USCGS)
	iXE	26 58		+		
	iPKPZ	29 55		-		
	iPPZ	30 48		-		
	iPSN	40 14		-		
	iSSN	46 24		-		
	ME	01 12	23	230		
	ME	01 28	20	140		
28	ePE	04 16 03			79°	H 04 03 39 (USCGS)
29	ePN	09 46 40			69°.5	H 09 35 26 (USCGS)
	eSE	55 53				
30	iPKPZ	18 00 31		-	137°.5	H 17 42 12 .10 deep (USCGS)
30	ePKPZ	18 24 41			137°.5	H 18 06 21 .10 deep (USCGS)

13th July 1965

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR FEBRUARY 1965

Instruments:- Wilson-Lamison seismometer free period 1 sec., coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.  
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
1	iPKPZ	05 45 45		-	143°.5	H 05 27 05
	iPKPZ	45 47		-		.08 deep (USCGS)

No recording 1 February 09 hrs to 8 February 0830 hrs.

8	ePZ	15 56 46		-	70°	H 15 46 50
	iXZ	56 50		-		.01 deep (USCGS)
	ipPZ	56 57		-		
	iPPZ	58 49		-		
	iSE	16 05 54		-		
	iXN	08 58		+		
	MN	16 34	12			
9	ePKPZ	06 01 45		-	143°	H 05 42 07
	ipPKPZ	02 51		-		.04 deep (USCGS)
9	iPZ	17 48 55		-	72°	H 17 37 16 (USCGS)
11	iPZ	04 51 21		+	56°	H 04 42 01 (USCGS)
12	eSE	01 04 35			74°	H 00 43 17 (USCGS)
12	iPN	01 06 34		-	73°	H 00 55 06 (USCGS)
	iSE	15 06		-		
	iPSN	16 25		-		
	eSSN	20 15				
	MN	01 36	19			
	MN	01 54	17			
16	ePN	12 36 28			80°	H 12 24 09 (USCGS)
	iSN	46 20		+		

No recording 17 February 12 hrs to 24 February 13 hrs.

25	ePKSN	05 13 44			126°	H 04 51 28 (USCGS)
25	iSN	05 43 14		-	73°	H 05 22 15 (USCGS)
	MN	06 05	20	6		
	ME	06 09	20	11		
26	ME	09 59	20	2	104°	H 08 55 42 (USCGS)
27	ME	08 33	12	8	78°	H 07 46 29 (USCGS)
27	iPZ	11 36 18		+	31°	H 11 29 59 (USCGS)
	eSNZ	41 41				

13th July, 1965

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54° 46' N, 01° 35' W, height above M.S.L. 103 metres.

SEISMOLOGICAL BULLETIN FOR MARCH & APRIL 1965.

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.  
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
<u>March</u>						
1	iPZ	19 33 47		-	73°.5	H 19 22 02 (USCGS)
1	ePE	21 44 01		-	78°	H 21 32 12
	ipPE	44 27		-		.015 deep
	iSE	53 45		-		(USCGS)
	ME	22 12	27	6		
2	ePE	22 05 36		-	26°	H 22 00 05
	iSE	10 15		-		(BCIS)
3	iPZ	06 23 27		+	47°	H 06 14 57 (USCGS)
3	iPKIKPZ	15 33 20		+	136°	H 15 14 10
	iPKPZ	33 27		-		(USCGS)
	iSSE	54 06		-		
	MN	16 20	30	27		
	ME	16 24	23	28		
	ME	16 29	20	28		
	ME	16 32	20	33		
6	ME	21 05	18	4	91°	H 20 23 49
	ME	21 10	12	3		(USCGS)
9	iPE	18 03 04		-	24°	H 17 57 53
	iXZ	04 43		-		(BCIS)
	iSE	07 07		+		
	ME	18 12	15	110		
9	iPZ	18 43 (00)	in minute break		24°	H 18 37 55
	eSE	47 17		-		(BCIS)
9	iPZ	19 52 07		-	24°	H 19 46 59
						(BCIS)
10	ePZ	01 41 11			24°	H 01 36 05
						(BCIS)
10	iPKPZ	16 12 18		+	147°	H 15 53 38
	iPKPZ	12 51		+		.09 deep
						(USCGS)
13	ePE	04 14 43			24°	H 04 09 33
	iPZ	14 46		-		(BCIS)
	iSE	19 03		-		
13	iPKPZ	14 13 18		-	145°	H 13 54 33
						.08 deep
						(USCGS)

Sheet 2.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
14	iPZ	16 01 (54)	in minute break		51°	H 15 53 05 .035 deep (BCIS)
	ipPE	02 40		+		
	iPcPE	02 (54)	in minute break			
	iPPE	03 49		-		
	iScPZ	05 27		-		
	iPcSE	06 23		+		
	iSE	08 31		+		
	isSE	10 11		+		
	iScSE	11 17		-		
iSSE	12 48		+			
15	ME	02 59	15		89°	H 02 02 09 (USCGS)
16	ePZ	16 58 24			80°	H 16 46 15 (USCGS)
	ME	17 38	20	23		
18	ePKPZ	06 41 23		+	145°	H 06 22 03 .025 deep (USCGS)
	iPKPZ	41 26		-		
19	ME	17 25			109°	H 16 20 51 (USCGS)
21	ME	12 09			112°	H 11 08 16 (USCGS)
22	ME	04 02			139°	H 02 44 47 (USCGS)
22	ME	23 53			106°	H 22 56 27 (USCGS)
24	ME	25 10			140°	H 23 54 15 .02 deep (USCGS)
24	ME	08 49			140°	H 07 59 39 .03 deep (USCGS)
26	iPKPZ	00 38 35		-	145°	H 00 20 56 .09 deep (USCGS)

From 27 March to 18 April clock corrections unreliable.

April

19	iSE	24 04 38		+	84°	H 23 41 59 (USCGS)
	iScSE	05 02		-		
25	ME	01 53	21		95°	H 01 00 12 (USCGS)
26	iPZ	20 40 16		-	70°	H 20 29 07 (USCGS)
26	iPZ	22 29 21		-	90°	H 22 15 43 (USCGS)
	iSE	40 59		+		
	ME	23 08	20	17		
	ME	23 13	16	15		

sheet 3

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
27	iPZ	14 14 35		-	26°	H 14 09 06 (BCIS)
	ipPZ	14 54		-		
	iXZ	15 06		-		
	iXE	17 31		+		
	eSE	19 01				
29	iPZ	15 39 30		-	66°	H 15 28 43 .01 deep (USCGS)
	ipPZ	39 48		+		
	iPcPZ	39 58		+		
	iPPE	41 56		+		
	iSE	48 18		-		
	iScSE	49 18		+		
	ME	16 07	20	30		

6th October, 1965.

BIRMINGHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR MAY & AUGUST 1965

(There have been no recordings between May 2 and August 5)

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.  
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacement.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
May 1	eSE	02 10 13			26°5	H 01 59 44 (USCGS)
From here on dates refer to the month of <u>August</u> .						
6	PZ iSN	02 08 38 16 26		-	57°	H 01 58 41 (USCGS)
11	iPKIKPZ ePKPZ iXZ iXZ iPPZ eXZ iPKSN iSKPZ ME ME	04 00 15 00 18 00 26 00 38 03 16 03 58 04 03 04 03 05 00 05 47		+ + + - - 22 17 32 10	139°	H 03 40 56 (USCGS)
11	iSE ME	18 48 43 19 05	18	+ 2	61°5	H 18 29 40 (USCGS)
11	ePKPZ ME ME ME ME	20 12 04 21 02 21 07 21 11 21 17	24 21 20 19	10 8 13 15	140°	H 19 52 30 (USCGS)
11	iPZ iSE ME	20 15 41 24 55 20 47	16	- - 3	74°	H 20 04 16 (USCGS)
11	ePKIKPZ iPKPZ iPKPZ iPKSE iXEZ iXE iXZ iSSE ME ME MZ ME MZ	22 51 14 51 16 51 36 54 51 55 05 55 11 55 21 23 13 07 23 51 24 08 24 08 24 34 24 34	20 17 17 18 20 17 17 18 18	- + + - - - - - 53 50 17 18 60	140°	H 22 31 49 (USCGS)
12	iPKIKPZ iPKPZ iSKPZ iSKSE	08 21 06 21 12 24 45 28 24		+ - + -	140°	H 08 01 43 (USCGS)

sheet 2

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
12	ePKPZ	13 16 16			126°	H 12 57 10 (USCGS)
	iPKPZ	16 21		+		
	iPPE	18 21		+		
	iPSE	28 04		-		
	ME	14 05	26	20		
	ME	14 07	25	29		
	ME	14 12	20	20		
	ME	14 14	20	25		
13	iPKPZ	05 00 25		-	140°	H 04 40 55 (US JGS)
	eSSE	21 32				
13	iPKPZ	12 59 38		+	140°	H 12 40 08 (USCGS)
	ePPE	13 02 38				
	iSKPZ	03 22		-		
	iSSE	21 07		+		
	ME	13 49	29	68		
	ME	13 51	22	36		
	ME	13 54	20	30		
	ME	13 59	20	28		
	ME	14 48	18	8		
ME	14 57	17	8			
14	eSSE	11 48 46			140°	H 11 07 49 (USCGS)
16	ePZ	12 28 46			77°	H 12 16 50 (USCGS)
	iPZ	28 49		-		
	eSE	38 39				
16	iPZ	12 46 09		-	58°	H 12 36 23 (USCGS)
	iPoPZ	47 01		-		
	iPPZ	48 19		-		
	iSE	54 04		+		
	iScSE	56 04		+		
	iSSE	57 46		+		
	ME	13 05	14	14		
16	ePE	19 59 32			30°	H 19 53 18 (USCGS)
	ePPE	20 00 29				
	eSE	04 30				
	ME	20 09	15			
17	ePE	00 28 21			30°	H 00 22 24 (USCGS)
	ePPE	29 24				
	ME	00 38	15			
17	ePE	01 23 10			59°	H 01 13 25 (USCGS)
17	ePZ	10 48 12			90°	H 10 35 04 (USCGS)
	iSKSE	58 20		-		
	iSPZ	11 00 32		+		
20	iPPZ	06 14 12		-	117°	H 05 54 50 .05 deep (USCGS)
	iSKSE	19 16		-		
	iSKKSE	20 35		-		
	iPSE	23 16		-		

sheet 3

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
20	iPZ	09 55 48		-	93°5	H 09 42 49 ;02 deep (USCGS)
	iSKSE	10 06 10		+		
	iSE	06 38		+		
23	ePE	14 14 04			24°	H 14 08 57 (BCIS)
	iPZ	14 14		+		
	iPPZ	14 52		+		
	iSE	18 13		-		
	iPcSE	21 49		-		
	<del>ME</del>	<del>14 22</del>	<del>14</del>	<del>14</del>		
23	ePZ	19 58 10		-	79°5	H 19 46 03 (USCGS)
	iPZ	58 13		+		
	iPcPZ	58 23		+		
	iPPE	20 01 10		+		
	iSE	08 18		+		
	iSSE	13 18		-		
	ME	20 29	20	350		
	MZ	20 29	20			
	ME	20 35	19	350		
MZ	20 35	19				
24	ePE	01 17 03			26°	H 01 11 00 (BCIS)
	iSE	23 19		+		
24	ePE	13 22 37			63°	H 13 12 19 (USCGS)
	iSE	31 16		-		
	ME	13 50	13			
31	ePN	07 36 30			33°	H 07 29 47 (BCIS)
	iSE	41 38		+		
	ME	07 52	15	8		

March 29th, 1966.



UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR SEPTEMBER, 1965.

Instruments:- Wilson-Lamison seismometer free period 1 sec., coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.  
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacement

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
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1	iPZ	04 39 53		-	72°	H 04 29 22 .09 deep (USCGS)
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No recording 2 September to 7 September inclusive.

3	iSN MN	03 45 50 04 04	19	-	66°	H 03 26 21 (USCGS)
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8	ePN eSN MN	11 28 05 36 49 11 58	15		67°	H 11 16 34 (USCGS)
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9	iPE iPPN iSN iSSE ME ME	10 14 45 18 08 24 46 25 03 30 15 10 39 10 49	40 20	+ + + + 4 5	80.5°	H 10 02 25 (USCGS)
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11	iPKIKPZ iPKIKPZ iPKSN iPKIKSN iSKSE iXN	07 12 05 12 12 15 30 15 46 19 21 20 50		+ + + - - -	126°	H 06 53 01 (USCGS)
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12	iPZ iPcPZ eSKSE iSE iPSE iSSE	22 15 10 15 27 25 34 25 41 26 38 31 27		+ - - + - -	85°	H 22 02 34 (USCGS)
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13	iPZ iSE ME	13 19 05 28 14 13 53	20	- - 2	70°	H 13 07 48 (USCGS)
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14	iPZ iSKSE iSN MN	08 40 53 51 50 53 06 09 25	20	- - - 2	103.5°	H 08 27 16 (USCGS)
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Recording intermittent 16 September 00 hrs., to 25 September 09 hrs.

21	iPZ iSKSE iSN ME	01 50 49 02 00 55 01 09 02 30	10	- + - 6	86°	H 01 38 30 (USCGS)
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12	iPKIKPZ iPKSN iXNE	08 59 16 09 02 48 08 08		+ - +	126°	H 08 40 13 (USCGS)
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## sheet 2.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
25	iPE	20 14 36		-	20°	H 20 09 57 (BCIS)
	iXZ	14 59		-		
	eSE	18 31				
	iXE	18 48		+		
	ME	20 20	20	1		
	ME	20 24	11	1.5		
<del>26</del>	<del>iPE</del>	<del>10 07 46</del>		<del>-</del>	<del>20°</del>	<del>H 10 03 08 (BCIS)</del>
	<del>iSE</del>	<del>11 42</del>		<del>-</del>		
	<del>ME</del>	<del>10 13</del>	<del>20</del>	<del>1</del>		
	<del>ME</del>	<del>10 17</del>				
28	iPKPZ	05 26 55		-	153°	H 05 06 37 (USCGS)
	iSSE	49 51		-		
	ME	06 32	20	7		
29	iPZ	23 24 48		+	20°	H 23 19 48 (BCIS)
	iSN	28 33		+		
	MN	23 31	12	2		
30	iPN	23 58 21		-	61°	H 23 47 41 (USCGS)
	iXZ	58 23		-		
	iPcPZ	59 05		+		
	iSN	24 06 38		+		
	iXE	06 49		-		
	iScSN	07 57		-		
	ME	24 23	18	12		

April 1st, 1966.

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR OCTOBER 1965

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.  
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacement.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
1	iPZ	09 03 49		+	75°	H 08 52 06 (USCGS)
	iPcPZ	04 07		-		
	iPPZ	06 50		-		
	iSN	13 29		+		
	iScSE	13 55		+		
	iPSN	14 08		+		
	MN	09 49	16	3		
1	iPKPZ	13 41 05		-	145°	H 13 22 29 .09 deep (USCGS)
	eXE	59 38		-		
	iSSE	14 02 38		-		
3	iPZ	14 57 04		-	74°	H 14 45 27 (USCGS)
	iPcPZ	57 23		-		
	iSN	15 06 32		-		
	iPSN	07 11		-		
	MN	15 36	20	3		
3	iPKPE	16 34 01		+	116°	H 16 14 55 (USCGS)
	iSKSE	41 01		-		
	iPSE	44 28		-		
	ME	17 23	18	10		
	ME	17 29	15	5		
6	ePZ	18 41 45			19°	H 18 37 30 (BCIS)
	eSE	45 19				
7	iPKPZ	01 28 46		-	146°5	H 01 09 07 (USCGS)
7	ePN	03 50 18			107°	H 03 36 00 (USCGS)
	iSE	04 02 27		+		
	eSSE	09 16				
	ME	04 29	17			
	ME	04 38	15			
8	ePZ	06 08 19			46°5	H 06 00 00 (Uppsala)
	iPZ	08 26		+		
12	iPZ	13 51 40		-	66°5	H 13 40 56 (USCGS)
	ePcPZ	52 24				
	iSE	14 00 42		+		
	MN	14 23	19	4		
13	iPZ	03 57 32		+	19°	H 03 53 12 (BCIS)
	eSN	04 01 06				
13	iPKPZ	15 06 06		-	147°	H 14 46 25 (USCGS)
	ePPZ	09 26				
13	iPKPZ	15 33 08		-	140°	H 15 13 37 (USCGS)
18	iPZ	22 04 49		-	112°	H 21 50 05 (USCGS)
	ME	22 49	30	16		
	ME	22 56	20	12		

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
19	ePZ	21 00 16			73°	H 20 48 47 (USCGS)
	eSE	09 39				
	MN	21 32	20	2		
	ME	21 39	16			
20	ePZ	24 06 35			77°	H 23 54 30 (USCGS)
	eSE	16 23				
	ME	24 34	22			
24	iPZ	12 19 39		-	11°	H 12 16 57 (BCIS)
	iSZ	21 32		-		
24	iPZ	18 26 40		-	73°	H 18 15 05 (USCGS)
25	iPNZ	22 46 02		- -	77°	H 22 34 24 (USCGS) .02 deep
	ipPZ	46 53		-		
	iPPN	49 00		-		
	iSN	55 45		-		
	iPSE	56 46		-		
	iSSE	59 17		+		
	ME	23 24	12	6		
26	iPKPZ	10 41 19		-	144°	H 10 21 46 (USCGS)

20th April, 1966.

JURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:  $54^{\circ}46'N$ ,  $01^{\circ}35'W$ , height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR NOVEMBER 1965

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.  
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacement.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
3	iPZ	01 50 43		+	86.5	H 01 39 03 .09 deep (USCGS)
	iPoPZ	50 47		-		
	ipPZ	52 53		-		
	iPPZ	54 20		+		
	iSKSE	02 00 09		+		
	iSN	00 27		-		
	iScSE	01 32		+		
	iPSE	02 48		-		
	isSN	04 17		+		
	iSSE	06 29		+		
11	MN	04 27	20			
12	iPZ	18 05 16		+	89°	H 17 52 24 (USCGS)
	iPPN	08 47		+		
	iSE	16 00		+		
	ME	18 42	28	26		
13	iPZ	04 43 23		+	55°	H 04 33 53 (USCGS)
	iPoPZ	43 38		-		
	ipPZ	44 04		-		
	iPPZ	45 40		-		
	iSN	51 02		-		
	iPSE	51 29		-		
	iScSE	53 08		-		
	iSSE	54 47		-		
	ME	05 08	10	48		
15	iPZ	11 28 32		+	57°	H 11 18 50 (USCGS)
	iPoPZ	29 22		-		
	iPPZ	30 25		-		
	iSE	36 22		+		
	iPSN	37 07		+		
	iScSE	38 27		+		
	iSSE	40 32		-		
ME	11 48	15	15			
16	iPZ	15 31 50		-	37°	H 15 24 43 (BCIS)
	iSE	37 46		+		
	iXE	38 27		-		
18	iPKPZ	20 19 04		-	144°	H 20 00 19 .07 deep (USCGS)
	iPKPZ	19 26		+		
18	iPZ	22 09 29		-	70°	H 21 58 12 (USCGS)
	MN	22 49				
19	ePZ	22 44 04			87°	H 22 31 20 (USCGS)
	ME	23 21	20			
21	iPZ	05 06 26		+	47°	H 04 57 56 (BCIS)

sheet 2

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
21	iPPZ MN	10 51 52 11 47	20	-	118°	H 10 31 50 .01 deep (USCGS)
22	iPE iPPEA iSE iPSE ME	20 37 10 40 06 46 26 47 09 21 16		+ + - -	74°	H 20 25 30 .01 deep (USCGS)
23	ME MN ME	02 13 02 17 02 28	25 16 20		107°	H 01 17 31 (USCGS)
28	ME ME	05 00 05 03	20 20	12 17	117°	H 03 56 46 (USCGS)
28	iPZ	05 31 53		+	27.5	H 05 26 05 (BCIS) .01 deep

April 22nd, 1966.



Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR DECEMBER 1965

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.  
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacement.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
1	iPZ	10 36 11		-	31°	H 10 29 58 (USCGS)
6	iPZ	11 47 25		-	83°5	H 11 34 54 (USCGS)
	iPPZ	50 20		-		
	iSN	57 43		-		
	MN	12 15	30	22		
7	iPKPZ	22 38 03		+	125°	H 22 19 15 .02 deep (USCGS)
9	iPZ	06 19 58		+	81°	H 06 07 49 (USCGS)
	iPcPZ	20 11		+		
	iSE	30 23		-		
	iPSE	31 11		+		
	GE	42 12				
	ME	06 58	15	8		
	ME	07 00	18	13		
9	iPKPZ	13 31 15		-	143°	H 13 12 55 .10 deep (USCGS)
13	iPZ	11 04 04		+	78°	H 10 52 09 (USCGS)
	eSN	14 07				
	iPSN	14 51		+		
	MN	11 42	20	5		
13	MN	15 39	18		78°	H 14 46 10 (USCGS)
<del>14</del> 15	ePZ	12 08 33			05°5	H 12 07 17 (BCIS)
	iSE	09 39		-		
15	iPZ	23 17 21		-	79°	H 23 05 21 (USCGS)
	iSN	27 19		-		
	iSSN	32 21		-		
	MN	23 39	30	15		
20	iPZ	00 13 14		-	23°	H 00 08 11 (BCIS)
	iSN	17 23		+		
	ME	00 24	10	13		
20	iPZ	07 24 11		-	73°5	H 07 12 34 (USCGS)
22	ePZ	19 51 51			65°	H 19 41 23 .01 deep (USCGS)
	ipPZ	52 05		-		
	iXZ	52 47		-		
	iSE	20 00 28		+		
	iPSN	00 49		+		
	MN	20 16	27	12		
23	iPZ	20 57 41		+	61°	H 20 47 37 (USCGS)
	Mn	21 25				

sheet 2.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
25	iPKPZ	03 16 15		-	143°	H 02 57 58 .10 deep (USCGS)
25	iPZ eSE	15 15 26 19 38		-	23°	H 15 10 29 (USCGS)
25	iPKPZ	19 39 02		+	143°	H 19 20 45 <del>.10 deep</del> (USCGS)

10th June, 1966.