

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO\$"2" QUETTA

PAKISTAN

No. SS-9(2)/63/

Dated, Quetta, the 12th Jan.'65.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Undidentified phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 1st Jan. to 8th January'65.

Additional December '64.					
24.	Wr	eP	06	40	36.0
		eS		41	17.7
24.	Wr	eP	08	29	40.4d
		iS		30	14.1
24.	Lh	eP	18	58	02.1
	Wr	iP			14.3d
24.	Wr	eP	19	32	59.2
25.	Wr	eP	01	18	01.8
25.	Wr	eP	11	32	20.8
25.	Wr	eP	14	90	11.7
25.	Wr	eP	14	47	40.2
25.	Wr	iP	16	25	06.7d
		iS			38.0
	Lh	eP			46.2
		eS		26	45.0
25.	Wr	iP	18	16	07.0c
	Lh	eP			14.1c
26.	Wr	eP	08	35	34.6
26.	Wr	eP	14	40	31.3c
		eS		48	37.8
	Lh	eP		40	32.0
26.	Wr	eP	19	39	01.6
		eS			32.0
27.	Lh	iP	08	00	02.0
		iP			41.5
27.	Ch	iP	17	49	58.0c
		eS		55	19
	Lh	iP		52	17.0c
		eS		59	26.0
28.	Wr	eP	04	35	50.4
		iS		36	23.7
28.	Ch	eP	16	28	42.7
		iS		38	21
29.	Ch	eP	01	51	49
29.	Wr	eP	05	11	48.6
		iS		12	23.0
29.	Ch	eP	06	50	48
30.	Lh	eP	23	39	07.5
31.	Lh	eP	08	22	13.0
31.	Lh	eP	16	25	34.6
31.	Lh	eP	23	25	44.4

Continuation
January '65

1.	Qt	eP	02	14	02.0
		eS		16	15.0
1.	Qt	eP	12	55	27.2
1.	Qt	eP	13	43	37.0

January '65

1.	Qt	eP	19	52	34.5
		eS		54	24.2
1.	Qt	eP	21	47	37.0
		eS		55	03.0
2.	Qt	eP	13	55	24.0d
		iS	14	04	30.5
		Mu			Sec.
		MH	3.4		20
		Δ	: 69°.9		
		Mag	:- 5.9(Qt)		
2.	Qt	eP	14	23	05.4
2.	Qt	eP	20	09	08.3
		eS		10	28.4
2.	Qt	eP	22	23	05.2
3.	Qt	eP	03	06	22.2
		iS		07	40.8
3.	Qt	eP	08	08	52.9
		eS		10	21.1
3.	Qt	eP	11	05	47.7
		iX			54.2
3.	Qt	eP	15	50	45.4
3.	Qt	eP	23	26	15.6
3.	Qt	eP	23	37	25.6
4.	Qt	eP	00	52	51.4
4.	Wr	P	05	27	03
	Qt	eP		28	10.5
		e(S)		30	43.0
Qt	eP	05	32	49.6	
4.	Qt	eP	07	25	21.2
4.	Wr	P	11	39	56
	Qt	iP		40	13.4
		eS		48	39.5
4.	Wr	P	19	39	30
		S			58
	Qt	eP		40	32.5
		eS		41	49.5
		Mu			Sec.
		PZ	0.01		0.5
		Δ	: 6°.8		
		Mag	:- 4.3(Qt)		
4.	Wr	P	22	35	22
	Qt	iP			58.0
4.	Qt	eP	22	52	16.5
		eS		54	16.0
5.	Wr	P	01	00	42
	Qt	eP			44.0c

continued...2/-

COVER OF PART 14 - 2 - REVOD

January '65

January '65

5.	Qt	eP	08	31	57.2
		eS		33	14.5
5.	Qt	eP	13	59	22.60
5.	Qt	eP	17	33	58.5
5.	Qt	ePKP	18	24	58.0
5.	Qt	eP	19	12	32.3
		e(S)		13	44.0
5.	Qt	eP	20	43	15.30
5.	Qt	eP	20	55	22.5
6.	Qt	eP	01	05	15.7
		iX		07	06.6
		eS		13	13.5
6.	Qt	eP	04	23	34.0
6.	Qt	eP	09	38	52.5
		iX		39	18.5
6.	Qt	eP	11	06	51.2
		eS		08	10.0
				Mu	Sec.
		PZ		01	0.5
		Δ		60.9	
		Mag :-		4.8(Qt)	
6.	Qt	eP	18	40	03.5
		iX		40	23.6
6.	Qt	eP	21	04	31.5
6.	Qt	eP	21	42	46.7
7.	Qt	eP	03	07	29.7
		eS		09	00.0

7.	Qt	eP	03	14	07.1
7.	Qt	eP	10	28	59.5
7.	Qt	eP	16	15	41.7
7.	Qt	eP	17	15	33.7d
7.	Qt	eP	18	58	29.2d
7.	Qt	eX	19	01	45.5
7.	Qt	eP	21	26	26.2
7.	Qt	eP	23	45	28.6
7.	Qt	eP	05	14	23.4
		eS		15	29.5
8.	Qt	eP	16	41	47.0
8.	Qt	eP	19	08	24.8d
8.	Qt	ePKP	21	28	06.0
		iX		32	47.5
8.	Qt	eP	22	01	13.3

(Abdul Qadir Khan)
for
Director,
Meteorological Service.

Continuation
January '65

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. "2" QUETTA

PAKISTAN

No. SS-(2)/63// Quetta, the 20th January '65.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.
 x-Unidentified phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 9th to 15th January, 1965

Additional January, 1965

1.	Wr	iP	02	14	00.3d
2.	Ch	eP	13	53	04
	Wr	iP		54	56.7c
2.	Wr	iP	20	08	09.1c
		eS			39.8
3.	Wr	iP	08	07	48.5c
		eS		08	21.8
3.	Wr	eP	11	05	34.8
4.	Ch	eP	11	37	18.2
4.	Wr	eP	22	51	05.7
5.	Wr	eP	08	31	02.0
6.	Ch	eP	01	02	36
7.	Wr	eP	10	29	18.8
8.	Wr	eP	19	08	33.8
8.	Wr	eP	21	28	11.2

Continuation January, 1965

9.	Qt	eP	03	40	32.2
9.	Ch	P	13	39	37
	Qt	eP		42	39.0d
		eS		50	41.0
		Mu			Sec.
		MH		2.9	20
		Δ		62° 2	
		Mag		- 5.8 (Qt)	
9.	Qt	eP	13	49	42.0
		eX		50	00.0
		eS		51	20.0
9.	Qt	eP	19	33	10.4
		eS		34	29.9
10.	Qt	eP	02	59	08.2
10.	Wr	P	07	49	43
	Qt	eP			57.6
10.	Ch	P	13	48	47
	Lh	P		50	08
		S		54	14
	Wr	P		50	20
	Qt	eP			35.5
		ePP		53	50
		eS	14	01	17.0
		Mu			Sec
		MH		13.5	20
		Δ		85° 1	
		Mag		- 5.3 (Qt)	

January 1965

10.	Qt	eP	15	01	14.9
10.	Qt	eP	16	57	16.1
10.	Wr	P	17	42	16
	Qt	eP			30.6
		iX			44.4
10.	Qt	eP	18	13	02.0
10.	Qt	eP	19	57	57.0
		iX		58	42.1
	Lh	P			18
10.	Wr	P	21	49	20
	Qt	eP		50	09.1
		eS		51	42.9
10.	Qt	eP	23	58	00.0
11.	Qt	eP	06	47	23.1c
		eS		48	48.8
11.	Qt	eP	07	01	17.7d
11.	Wr	P	09	20	05
	Qt	eP			20.5c
11.	Qt	eP	09	54	23.2c
11.	Qt	eP	17	09	53.1
		iX		12	50.4
11.	Wr	P	20	23	29
	Qt	eP		24	06.6
		iS		31	50.5
11.	Qt	eP	22	57	42.5
12.	Qt	eP	01	56	03.4
		eS		58	15.6 * iX 35.2
	Wr	P		57	04
12.	Qt	eP	02	08	19.6
		iX			29.6
		eS		10	15.5
12.	Qt	eP	03	07	55.6
		eS		09	14.5
12.	Qt	eP	05	00	06.5d
12.	Qt	eP	06	56	48.6
12.	Qt	eP	13	02	38.0
12.	Ch	P	13	33	56
	Lh	P		35	20
	Wr	P		36	00
	Qt	eP			37.9c
		eS		40	00.0
		Mu			Sec.
		PZ		0.36	1.4
		Δ		18° 5	

H : 13 32 23.0
 28.ON, 87.7E
 Sikkim
 Depth about 33 km.
 Mag :- 5.5 (Qt)
 Felt Rangpur.

January' 1965

12.	Ch	P	13	56	53	
	Lh	P		58	16	
	Wr	P			55	
	Qt	eP		59	34.8	
12.	Wr	P	16	24	46	
	Qt	eP		25	25.0	
		e(S)		31	17.0	
12.	Qt	eP	17	51	43.5	
		eX		55	10.3	
12.	Qt	eP	20	59	00.0	
13.	Qt	eP	00	43	53.6	
		eS		45	20.8	
13.	Qt	eP	04	06	18.5	
13.	Qt	eP	08	51	04.7 ^c	
13.	Qt	eP	09	17	37.2	
13.	Qt	eP	13	49	35.9	
13.	Qt	eP	22	25	30.5	
		iX		26	03.1	
14.	Qt	eP	01	42	55.5	
14.	Qt	eP	08	31	14.6	
14.	Qt	eP	08	41	25.2	
14.	Qt	eFKP	08	44	40.0	
		ePP		47	45.7	
	Lh	FKP		44	54	
14.	Qt	eP	10	43	10.7	
		eS		44	50.4	
14.	Qt	eP	12	20	48.4 ^c	
		e(S)		22	07.0	
14.	Qt	eP	12	23	14.0	
		e(S)		24	44.4	
14.	Qt	eP	14	53	04.0	
		iX		54	44.7	
		e(S)		55	23.0	
14.	Qt	eP	17	31	34.0	
15.	Wr	P	00	35	02	
	Lh	S		35	1	
		P		39		
		S		36	43	
	Qt	iP		35	59.3 ^c	
		eS		37	20.4	
		Mu			Sec.	
		PZ	0.1		0.3	

Δ : 7°.3
 H: 00 34 15.0
 36.7N, 70.8E
 Hindukush
 Depth about 200 km.
 Mag: - 5.5(MT)

January' 1965.

15.	Qt	eP	03	48	12.2	
15.	WRS	P	06	03	52	
	LAH	P		04	18	
	QTL	iP			52.2 ^c	
		e(S)		09	02.0	
		Mu			Sec.	
		PZ	0.4		0.6	
	Ch	P	06	06	05	
15.	Ch	P	15	30	46	
	Qt	eP		33	13.6 ^c	
		iX		34	32.2	
15.	Ch	P	18	39	54	
	Qt	eP		40	18.5	
15.	Lh	P	18	42	01	
	Wr	P			21	
	Qt	eP			52.7 ^c	
		iX		43	05.7	
		iX			28.7	
		eS		49	57.8	
15.	Qt	eP	21	26	43.0	
		eS		27	54.5	
15.	Qt	eP	22	07	43.4	
15.	Qt	eFKP	23	35	58.9	
15.	Qt	eP	23	56	35.0	
		e(S)		04	02.2	

(Abdul Qadir Khan)
 for
 DIRECTOR,
 Meteorological Service.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
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PAKISTAN

No.SS-(9)/63/

Quetta, the 26th January '65.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Unidentified phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 16th Jan. to 23rd January '1965.

<u>Additional</u> <u>January '65</u>						<u>January '65</u>					
9.	Wr	eP	03	39	55.4	17.	Qt	eP	08	49	06.0
9.	Lh	eP	13	41	54.6	17.	Qt	eP	09	19	51.6
	Wr	eP		42	16.1	17.	Qt	eP	09	39	57.2
9.	Wr	iP	19	32	12.8 ^d			e(S)		41	27.5
		iS			46.1	17.	Wr	P	11	00	02
10.	Wr	eP	02	59	14.7		Qt	eP		01	05.4
10.	Wr	eP	19	58	11.3			iX		02	19.0
		eS			53.1			iX		03	48.9
11.	Wr	eP	06	46	18.1			e(S)		07	13.1
		iS			52.8			iX		08	39.2
11.	Wr	eP	17	08	14.3	17.	Qt	eP	11	11	18.5
11.	Lh	eP	20	23	23.0			iX		14	10.2
12.	Wr	eP	20	58	59.5	17.	Qt	eP	20	10	08.2
13.	Wr	eP	00	42	51.4	17.	Ch	P	21	04	00
		eS		43	18.1		Lh	P		06	15
14.	Wr	eP	08	44	48.7		Wr	P			41
14.	Wr	iP	12	20	01.1 ^d		Qt	iP			45.2
	Lh			21	09.4	17.	Qt	iP	21	11	24.3 ^c
14.	Wr	eP	14	52	12.7			iX		14	11.5
	Lh	eP		53	16.1			iX		16	12.2
											Mu
											0.27
						18.	Qt	eP	00	22	49.4 ^c
								iX		26	12.8
											Mu
											0.1
							Lh	P	00	22	59
							Wr	P	00	23	01
						18.	Qt	eP	00	14	33.2
						18.	Lh	P	03	30	03
								S		31	08
							Qt	iP			32.0 ^d
								eS		32	02.8
											Mu
											0.05
											8 ^o .0
											△ :
											Mag :- 4.7(Qt)
						18.	Qt	eP	06	46	22.1
						18.	Qt	eP	13	09	33.4
						18.	Qt	eP	15	27	16.2
						19.	Qt	eP	13	55	49.8
						19.	Qt	eP	15	37	08.2
								iX			49.4
							Wr	P		38	01
							Lh	P			06

Continuation
January '65.

16.	Qt	eP	01	57	43.2
		e(S)		59	19.1
16.	Qt	eP	06	47	01.0
16.	Qt	eP	08	32	34.4
16.	Qt	eP	11	52	19.2
		eX		57	53.5
16.	Qt	eP	14	46	53.4
		eS		48	41.2
16.	Qt	eP	21	18	18.5 ^c
		eS		19	35.5
16.	Qt	eP	21	41	05.2
16.	Qt	eP	22	56	50.0
17.	Qt	eP	02	18	30.4
17.	Qt	iP	02	26	05.4 ^c
17.	Lh	P	03	59	18
	Qt	eP	04	00	43.6
		iX		02	32.2
17.	Qt	eP	08	09	05.0
		eX		12	37.4

continued...2/-

January '65.

January '65

19.	Wr	F	19	50	37	
	Qt	eP			39.6	
19.	Qt	eP	21	23	42.5	
19.	Wr	F	21	45	37	
		S		46	07	
	Qt	eP			40.9	
		eS		48	08.1	
20.	Qt	eP	01	52	10.6	
20.	Qt	eP	02	18	11.20	
20.	Qt	eP	06	40	56.4	
20.	Qt	eP	13	02	22.2d	
20.	Qt	eP	16	55	28.6	
20.	Qt	eP	20	37	51.5	
		IX		38	05.2	
21.	Qt	eP	00	16	06.0	
21.	Qt	eP	02	23	41.6d	
21.	Qt	eP	02	50	54.6	
21.	Qt	eIKP	06	29	00.0	
		IX		30	34.1	
21.	Lh	P	13	34	08	
	Wr	F			30	
	Qt	eP			35	30.2
		eS			38	46.4
		eSS			39	05.0
						Sec.
						0.9
						Mu
						0.03

H : 13 31 22.2
 36°.8N, 87°.7E
 China.
 Depth about 33 km.
 Mag :- 4.6(t)

21.	Qt	eP	16	56	25.2
21.	Qt	eP	17	58	29.60
		eS	18	00	00.0
22.	Wr	P	02	46	51
	Qt	eP		47	11.5
		eS		52	18.7
22.	Qt	eP	04	24	17.5
22.	Qt	eP	05	35	59.0
22.	Qt	eP	15	21	58.2
23.	Qt	eP	01	12	44.4
		eS		14	05.4
23.	Qt	eP	02	47	16.0
23.	Qt	eP	11	27	34.4
23.	Qt	eP	17	01	51.6
		e(s)		03	45.4
23.	Qt	eP	19	15	42.3
		eS		17	13.2
23.	Qt	eP	22	01	20.1c
23.	Wr	P	22	04	08
	Qt	eP			46.6
		eS		06	20.0
23.	Wr	P	22	47	04
	Qt	eP			26.8d
		eP	23	33	24.5d
		eS		40	38.7

(Abdul Qadir Khan)
 for
 DIRECTOR
 Meteorological Service.

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GOVERNMENT OF PAKISTAN
PAKISTAN - METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
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P A K I S T A N

No. SS-9(2)/63/

Quetta, the 2nd February '65.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Unidentified Phase, C-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 24th Jan. '65 to 30th January '65

Additional, Jan. '65					January '65							
16.	Wr	eP	19	51	20.0	25.	Qt	eP	16	55	31.9d	
16.	Lh	eP	22	56	15.6			iX		56	06.5	
	Wr	eP			25.2	25.	Qt	eP	21	29	11.4	
17.	Wr	eP	02	25	38.3	26.	Qt	eP	02	02	46.7	
18.	Wr	eP	15	26	28.8	26.	Qt	eP	05	12	48.3d	
19.	Lh	eP	21	46	16.2	26.	Qt	eP	06	33	57.0	
		eS		47	20.0	26.	Qt	eP	06	43	49.0	
21.	Wr	iP	17	57	23.4d	26.	Qt	eP	11	00	12.4c	
		iS		58	00.6	26.	Wr	P	11	57	12	
23.	Wr	eP	01	11	46.3	Qt	eP			58	22.6	
		iS		12	19.4	e(S)				00	51.5	
23.	Lh	eP	22	00	36.6	26.	Wr	P	13	23	33	
23.	Lh	eP	22	04	05.4	Qt	eP			24	46.6	
		eS			54.0	e(S)				26	12.2	
23.	Lh	eP	22	46	40.3	26.	Ch	P	13	51	56	
23.	Lh	iP	23	32	45.0	Qt	eP			55	08.3	
						e(S)				58	54.0	
<u>Continuation,</u>						26.	Qt	eP	18	25	23.4c	
<u>January '65</u>						26.	Qt	eP	21	49	27.6c	
24.	Ch	P	00	19	04	26.	Qt	eP	23	32	50.3	
	Wr	P		21	41	26.	Wr	P	23	56	59	
	Qt	iP			53.6c	Qt	iP			57	34.4d	
		eS		30	43.0	eS				00	05	40.6
24.	Qt	eP	00	50	53.0	27.	Qt	eP	00	27	06.9	
24.	Qt	eP	02	11	20.6	27.	Wr	P	09	48	33	
24.	Wr	P	02	41	48	WRS	S			49	16	
	Qt	eP		42	00.0	Qt	eP				23.5	
24.	Wr	eP	02	52	09	QUE	eS			50	52.4	
	Qt	eP			21.7c	27.	Qt	eP	14	33	40.0	
24.	Wr	P	03	42	41	27.	Wr	P	14	48	36	
	Qt	eP			55.3	WRS	S			49	01	
24.	Qt	eP	06	25	53.4	Qt	iP				26.0	
24.	Qt	eP	08	34	13.0	QUE	eS			50	31.6	
24.	Qt	eP	10	04	32.2	27.	Qt	eP	19	34	23.6d	
24.	Wr	P	10	41	55	27.	Qt	eP	20	06	50.2	
	Qt	eP		42	08.7	27.	Qt	eP	20	31	28.0	
24.	Qt	eP	11	33	38.8	27.	Qt	eP	21	55	41.1	
24.	Qt	eP	12	35	01.0	28.	Qt	eP	00	37	55-6d	
		e(S)		37	00.0	28.	Qt	eP	01	07	27.6d	
24.	Qt	eP	17	15	12.5	28.	Wr	P	02	42	32	
24.	Qt	eP	19	50	30.5	Qt	eP				35.0	
24.	Qt	eP	20	09	44.6	iX				49	12.3	
24.	Qt	eP	20	34	25.2	e(S)				52	10.2	
24.	Qt	eP	22	48	13.1	28.	Qt	eP	02	47	40.6	
24.	Qt	eP	23	57	23.0	28.	Qt	eP	04	22	48.8	
25.	Qt	eP	00	28	57.6	28.	Qt	eP	04	34	20.5c	
		eS		30	28.6	QUE	e(S)			35	33.2	
25.	Qt	eP	07	07	42.6	28.	Qt	eP	13	56	02.4	
25.	Qt	eP	12	13	31.7	28.	Qt	eP	16	35	31.7	
25.	Qt	eP	12	24	38.5	28.	Qt	eP	20	00	18.6	
		eX		25	26.1	28.	Qt	eP	22	02	48.0	
25.	Qt	eP	15	36	02.5	29.	Qt	eP	00	30	03.5	
		eS		37	17.1	29.	Qt	eP	00	51	45.0	
25.	Qt	eP	16	00	19.5	iX				52	25.6	
						e(S)				53	49.0	

PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. 2, DUBLIN

January '65

January '65

29.	Qt	eP	01	33	05.7
29.	Qt	eP	08	36	12.5
		iX			16.4
29.	Qt	eP	08	40	25.7
29.	Qt	eP	08	54	49.5
		eS		56	11.4
29.	Qt	eP	09	02	35.5d
	Wr	P	09	45	52
29.	Qt	eP		46	25.0c
		iX		55	37.0
		eS		56	21.5
29.	Wr	P	11	31	31
	Qt	eP			44.5o
29.	Qt	eP	16	31	20.2
29.	Qt	eP	17	22	28.0
29.	Wr	P	20	06	40
	Lh	P	07	11	11
		S	08	16	16
	Qt	eP	07	07	55.0
		eS	09	09	26.3
		Mu			Sec.
		PZ	0.08		0.5
		Δ	8.7		06.1o
		H	20 05 50.0		
			(36 .9N, 73 .8E		
			Kashmir TadzhiK, border		
			depth about 100 km.		
			Mag :- 5.2(Qt)		
29.	Qt	eP	21	10	54.5
29.	Qt	eP	22	44	06.0
29.	Qt	eP	23	45	45.7
	Wr	P		46	03

30.	Qt	eP	04	49	21.7
30.	Qt	eP	09	05	10.4
		eS		06	31.6
30.	Qt	eP	12	26	53.0
		eX		27	42.0
30.	Qt	eP	15	20	32.5
		eS		22	01.5
30.	Qt	eP	16	00	26.2
30.	Qt	eP	17	55	23.0
30.	Qt	eP	17	59	28.5
30.	Qt	eP	23	47	54.0
		eS		49	23.0
31.	Qt	eP	01	10	05.0
31.	Qt	eP	01	13	30.8
31.	Qt	eP	02	43	43.5c
		eS		45	01.5*
31.	Qt	eP	13	19	41.0
31.	Qt	eP	21	36	52.8
31.	Qt	eP	23	19	35.4
31.	Qt	eP	23	48	17.5c
		eS		58	18.0
*31.	Qt	eP	13	16	50.5

(Abdul Qadir Khan)
for
DIRECTOR,
Meteorological Service.

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. "2" QUETTA

PAKISTAN

No. SS-9(2)/63//2

Quetta, the February 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi

x-Unidentified Phase, C-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 1st Feb'65 to 8th February'65

<u>Additional January'65</u>						<u>January'65</u>					
24	Lh	iP	00	21	18.0	31	Wr	eP	02	42	48.8c
		iS		29	38.2			iS		43	22.1
25	Wr	eP	00	27	53.0		Lh	eP		43	34.5
		iS		28	34.2			eS			39.1
25	Wr	eP	12	13	17.9	31	Ch	eP	13	17	24.0
26	Ch	eP	23	55	33	31	Ch	eP	23	16	40.5
	Lh	eP		56	49.6d	31	Ch	eP	23	47	28.5
27	Lh	eP	14	49	40.4		Wr	eP			46.0
28	Wr	eP	04	33	35.7		Lh	eP			50.0
		iS		34	12.1						
29	Wr	iP	08	53	47.1d						
		iS		54	20.3						
30	Wr	iP	09	04	13.3c						
		eS			45.0						
	Lh	eP			35.0						
30	Wr	eP	15	19	13.7						
		eS			44.4						
	Lh	eP			38.2						
		eS		21	00.0						
30	Ch	eP	17	53	38						
30	Wr	eP	23	46	39.3						
		eS		47	10.0						
	Lh	eP			20.1						

Continuation February'65

1	Qt	eP	00	02	33.7
1	Qt	eP	00	58	29.4
1	Qt	eP	02	09	40.3
1	Qt	eP	05	25	20.6
1	Qt	eP	05	45	03.0
		iX		46	33.2
1	Qt	eP	05	55	12.2
1	Qt	eP	08	49	13.3
1	Qt	eP	19	39	39.0
		eX		40	02.2
2	Qt	eP	03	56	24.2
2	Qt	eP	04	23	54.4

February '65

February '65

2	Qt	eP	04	49	29.1
2	Ch	P	08	07	27
	Wr	P		09	45
	Qt	eP		10	02.5c
		eS		19	47.0
2	Qt	eP	09	56	58.9
		eS		58	24.5
2	Qt	eP	10	16	55.5d
2	Qt	eP	14	39	44.2
		eS		41	06.6
2	Wr	P	15	57	49
	Lh	P		58	20
		S		59	20
	Qt	eP		58	59.5
		eS		16	00

4	Wr	P	05	05	29
	Lh	P			32
	Qt	eP		06	01.2c
4	Wr	P	05	12	52
	Lh	P			55
	Qt	iP		13	23.6c

Very severe shock,
A few shocks in between 05 15 GMT to 1000 GMT could not be interpreted due to superimposition.

4	Wr	P	08	52	13
4	Qt	eP	10	00	18.6
4	Qt	eP	10	24	21.8
4	Qt	eP	10	53	30.3
4	Qt	eP	11	12	24.7
4	Qt	eP	11	27	24.6
4	Qt	eP	11	30	36.8
4	Qt	eP	11	39	14.4
4	Qt	eP	11	56	31.5
4	Qt	eP	11	58	03.4
4	Qt	eP	12	00	23.4c
4	Qt	eP	12	10	02.6c
4	Qt	eP	12	17	43.5d
4	Qt	eP	12	26	35.5
4	Qt	eP	13	02	50.0c
4	Qt	eP	13	19	01.8
4	Qt	eP	13	41	46.5c
4	Qt	eP	13	45	02.8
4	Qt	eP	14	11	36.5
4	Qt	eP	14	16	35.6
4	Wr	P	14	29	30
	Qt	eP		30	03.3c
		eS		39	36.6
4	Qt	eP	14	41	42.6c
4	Qt	eP	14	53	51.0
4	Qt	eP	14	55	05.7
4	Qt	eP	15	00	41.4
4	Qt	eP	15	15	29.5
4	Qt	eP	15	26	44.5
4	Qt	eP	15	31	33.5
4	Qt	eP	15	42	54.8
4	Qt	eP	15	56	35.6
4	Qt	eP	16	01	46.2c
4	Wr	P	16	02	25
	Qt	iP			59.0c
		eS		12	30.0
4	Qt	eP	16	11	14.0
4	Qt	eP	16	15	38.7
4	Qt	eP	16	40	11.5c
4	Qt	eP	16	44	21.7
4	Qt	eP	17	03	30.2
4	Qt	eP	17	15	23.2
4	Qt	eP	17	16	36.5c
4	Qt	eP	17	26	35.0
4	Qt	eP	17	26	19.9d

Mu Sec
PZ 0.06 0.5
P 8° 9' 16 01 44

H-15 56 53.0
37° 5N, 72° 8E
Tadzhik, S.S.R.
depth about 150 km.
Mag:- 5.3(Qt)

2	Qt	eP	19	34	10.4
2	Qt	eP	20	23	07.5
		eS		24	51.9
2	Qt	eP	21	41	55.0
3	Qt	eP	00	38	10.2
		eS		39	49.0
3	Qt	eP	02	21	50.2
3	Qt	eP	02	58	26.1
		e(S)		03	00
3	Qt	eP	12	50	46.7
3	Qt	eP	12	52	41.4
3	Qt	eP	18	47	55.4
3	Qt	eP	21	04	37.6
		eS		06	13.8
4	Qt	eP	00	25	21.3
		iX			28.6
4	Qt	eP	01	16	07.5
		iX			15.9
4	Qt	eP	03	39	10.8
		eX		42	09.5
		eX		43	26.1
4	Qt	iP	04	43	39.0c

February '65

4	Qt	eP	18	01	19.0
4	Qt	eP	18	02	40.2
4	Qt	eP	18	18	46.0
		iX			55.8
4	Qt	eP	18	25	38.7
4	Qt	iP	18	46	03.0c
4	Qt	eP	18	51	40.0c
4	Qt	eP	18	55	46.6
4	Qt	iP	19	00	01.6c
4	Qt	eP	19	08	07.2
4	Qt	eP	19	09	56.2
4	Qt	eP	19	13	12.0c
4	Qt	eP	19	24	00.0c
4	Qt	eP	19	28	37.0
4	Qt	eP	19	45	17.5
4	Qt	eP	19	50	04.9
4	Qt	eP	20	06	32.6
4	Qt	eP	20	09	41.7c
4	Qt	eP	20	17	39.2c
4	Qt	eP	20	27	40.4d
4	Qt	eP	20	44	21.6c
4	Qt	eP	20	59	06.1c
4	Qt	eP	21	35	57.0
4	Qt	eP	21	41	28.8
4	Qt	eP	21	47	40.6c
4	Qt	eP	22	03	46.2
4	Qt	eP	22	07	25.2
4	Qt	eP	22	25	52.1
4	Qt	eP	22	29	04.2
4	Qt	eP	22	41	55.2
4	Qt	eP	22	54	22.5
4	Qt	eP	22	58	52.5
4	Qt	eP	23	25	36.0
4	Qt	eP	23	38	23.3c
5	Qt	eP	00	35	07.1
5	Qt	eP	00	43	28.8c
		iX			41.2
5	Qt	eP	00	53	25.0
5	Qt	eP	00	54	05.7
5	Qt	eP	00	56	49.0
5	Qt	eP	01	18	05.5
5	Qt	eP	01	33	24.0
5	Qt	eP	02	17	11.3
5	Qt	eP	02	40	15.5
5	Qt	eP	02	45	26.0c
5	Qt	eP	03	10	20.2
5	Qt	eP	04	13	31.8
5	Qt	eP	04	24	53.0c
5	Qt	eP	04	34	24.6c
5	Qt	eP	04	58	39.5
5	Qt	eP	05	24	58.0
5	Qt	eP	05	18	47.3
5	Qt	eP	05	51	57.7
5	Qt	eP	06	11	37.8
5	Qt	eP	06	37	08.4
5	Wr	P	06	43	10
	Qt	eP			33.7
5	Wr	P	06	51	08
	Qt	eP			41.0c
5	Qt	eP	07	19	54.5c
5	Qt	eP	07	31	05.0c
5	Qt	eP	07	41	09.0
5	Qt	eP	07	43	27.6

February '65

5	Qt	eP	08	37	56.5
5	Qt	eP	09	03	12.8
5	Ch	P	09	43	07
		S		52	00
	Wr	P	00	43	23
	Lh	P	00		26
	Qt	iP	10		56.0c
		eS		53	38.7
		Mu			Sec
		MH	22.5		20
		Δ	: 76° 6'		
		H	: 09 32 07.1		
		Mag	:- 6.4(Qt)		
5	Qt	eP	10	10	47.6
5	Qt	eP	10	16	48.9
5	Qt	eP	10	29	30.6
5	Qt	eP	10	26	10.0
5	Qt	eP	10	49	13.6
5	Qt	eP	11	02	09.3
5	Qt	eP	11	29	09.9
5	Qt	eP	11	50	10.0
5	Qt	eP	11	57	30.5
5	Qt	eP	12	41	28.1
5	Qt	eP	13	02	29.0
5	Qt	eP	13	07	34.2
5	Qt	eP	13	17	41.0
5	Ch	P	13	49	44
	Wr	P		50	01
	Qt	eP			34.2
5	Wr	P	14	03	00
	Qt	eP			34.0c
5	Qt	eP	14	12	32.5c
5	Qt	eP	14	20	13.3
5	Qt	eP	14	29	29.0
5	Qt	eP	14	40	32.8
5	Qt	eP	14	50	05.0
5	Qt	eP	15	26	36.1
5	Qt	eP	15	41	56.9
5	Qt	eP	16	16	02.0
5	Qt	eP	16	20	06.9
5	Qt	eP	16	51	42.0
5	Wr	P	17	02	05
	Qt	eP			37.6
5	Qt	eP	17	29	16.6c
5	Qt	eP	17	32	47.6
5	Qt	eP	18	27	56.0c
5	Qt	eP	18	33	18.0
5	Qt	eP	18	35	55.7
5	Qt	eP	18	53	02.5c
5	Wr	P	19	12	03
	Qt	eP			29.0
		iX			36.6
5	Qt	eP	20	51	10.8
5	Ch	P	20	58	13
	Wr	P			29
	Lh	P			32
	Qt	eP		59	02.2
5	Qt	eP	21	56	01.4
5	Wr	P	21	59	59
	Lh	P	22	00	02
	Qt	eP			31.0

February '65

February '65

5	Ch	P	22	27	10
	Wr	P			25
	Qt	eP			58.8c
5	Qt	eP	22	54	30.5
5	Qt	eP	23	26	06.7
6	Qt	eP	00	20	10.7c
6	Qt	eP	00	44	36.2
6	Wr	P	01	26	46
	Qt	eP		27	20.0
6	Wr	P	01	52	48
	Ch	P			50
	S		02	03	02
	Qt	eP	01	53	16.0d
		iPP		56	36.0
		eS	02	03	44.5

Mu 23.1 Sec 20
 MH Δ : 85° 5
 H : 01:40:41
 Mag:- 6.5(Qt)

6	Qt	eP	02	53	05
		eS		54	33.2
6	Qt	eP	03	26	35.5
		iX		27	00.0
6	Qt	eP	03	34	17.6d
6	Qt	eP	03	51	17.7c
6	Qt	eP	03	54	38.0d
6	Qt	iP	04	14	45.0c
		eS		24	49.0
6	Qt	eP	05	02	52.7
6	Qt	eP	05	44	07.9
6	Qt	eP	06	35	24.4
6	Qt	eP	06	04	09.4c
6	Qt	eP	07	26	30.0c
6	Qt	eP	07	39	05.1
6	Qt	eP	08	09	09.5
6	Qt	eP	08	58	40.1
6	Qt	eP	09	06	31.5c
6	Qt	eP	09	16	00.0
6	Qt	eP	09	36	32.2
6	Qt	eP	11	13	26.6
6	Qt	eP	11	44	08.2
6	Qt	eP	12	34	18.0
6	Qt	eP	13	03	34.5c
6	Qt	eP	13	27	08.0d
6	Qt	eP	13	46	40.5c
6	Qt	eP	14	11	05.0c
6	Qt	eP	14	22	58.6c
6	Qt	eP	14	29	47.9
6	Qt	eP	14	35	27.5
6	Qt	eP	14	47	07.8c
6	Qt	eP	14	52	17.2
6	Qt	eP	15	43	31.7

6	Lh	P	17	02	50
	Qt	eP		03	10.2d
		ePP		06	34.5
		eS		13	40.0

Mu 28.1 Sec 20
 MH Δ : 86° 0
 Mag:- 6.6(Qt)

6	Qt	eP	18	19	23.1c
6	Qt	eP	18	22	25.9c
6	Qt	eP	18	50	55.9
6	Qt	eP	19	26	53.0
		eS		28	12.5
6	Qt	eP	19	31	41.5
6	Qt	eP	20	00	13.6
6	Qt	eP	20	30	30.0
6	Qt	eP	20	49	43.5
		eS		51	36.5
6	Qt	eP	21	14	41.0c
6	Qt	eP	22	27	12.2
6	Qt	eP	22	32	05.6c
6	Qt	eP	22	38	13.2d
6	Qt	eP	22	46	38.0
6	Qt	eP	23	11	08.5
6	Qt	eP	23	35	38.0c

7	Qt	eP	00	00	04.4
7	Qt	eP	00	56	08.0
7	Qt	eP	01	11	54.5c
7	Lh	P	02	28	27
	Qt	eP			56.4
		eS		38	42.0
7	Qt	eP	04	04	54.0
7	Wr	P	04	22	40
	Lh	P			43
	Qt	eP		23	13.2c
		ePP		26	05.5
		eS		33	08.0
7	Qt	eP	04	36	10.1
		iX			21.6
7	Qt	eP	04	47	41.1c
7	Qt	eP	06	10	47.0c
7	Qt	eP	07	37	47.0
7	Qt	eP	07	57	04.2
7	Qt	eP	08	51	55.5c
7	Wr	P	09	37	25
	Lh	P			28
	Qt	eP			56.0
		eS		47	56.5

Mu 16.0 Sec 20
 MH Δ : 80° 0
 H : 09 25 49
 Mag:- 6.3(Qt)

7	Qt	eP	09	56	18.7
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February 1965

7	Wr	P	11	34	23
	Qt	eP			56.0c
7	Qt	eP	11	43	25.8
7	Qt	eP	11	57	53.8d
7	Qt	eP	12	19	53.5
7	Qt	eP	12	33	00.0c
7	Qt	eP	13	06	46.5
7	Qt	eP	13	32	42.3d
7	Qt	eP	14	59	02.5
7	Qt	eP	15	05	14.0
7	Qt	eP	15	40	42.0
7	Qt	eP	16	15	57.2c
7	Qt	eP	16	59	16.4
7	Qt	eP	17	24	52.9
7	Qt	eP	17	32	27.0c
7	Qt	eP	17	52	17.6
7	Qt	eP	18	11	09.0
7	Wr	P	19	40	06
	Qt	eP			37.0
7	Qt	eP	20	22	35.6c
7	Qt	eP	21	41	00.0
7	Qt	eP	23	09	55.4
7	Qt	eP	23	57	03.4
8	Qt	eP	00	49	07.8
8	Wr	P	00	52	12
	Qt	eP			40.5c
8	Qt	eP	02	38	46.6
8	Qt	eP	02	45	32.5
8	Wr	P	04	28	01
	Qt	eP			58.0
		eS		30	16.7
8	Qt	eP	05	19	34.5
8	Qt	eP	06	35	19.8
8	Qt	eP	06	59	02.0
8	Qt	eP	07	26	12.0
8	Wr	P	07	34	26
	Qt	eP			57.6
8	Qt	eP	08	01	41.0
8	Qt	eP	08	09	23.0
8	Qt	eP	09	41	24.5
8	Qt	eP	09	49	43.0
8	Qt	eP	10	21	11.5c

February 1965

8	Wr	P	14	04	38
		S		05	23
	Lh	P		-	08
		S		06	50
	Qt	eP		05	46.1
		eS		07	30.0

Mu Sec
PZ 0.01 0.8
 $\Delta = 9.3$

H : 14:03:36
37° .3N, 73° .5E
Tadzhik S.S.R.
Mag= 4.1(Qt)
Depth about 200 km.

8	Qt	eP	15	50	38.6
8	Qt	eP	15	53	01.0
8	Wr	P	15	57	25
	Lh	P		-	30
		S	16	06	12
	Qt	eP	15	58	01.0
			16	07	11.0

Mu Sec
PZ 0.1 1.0
MH 26.2 -20
 $\Delta = 70.6$
H : 15:46:47.0
Mag: 6.2(Qt)

8	Qt	eP	16	31	52.5
8	Wr	P	17	48	02
	Lh	P			06
	Qt	eP			36.5c
8	Qt	eP	18	15	26.5
8	Qt	eP	18	28	24.0
8	Qt	eP	18	35	21.0
8	Qt	eP	20	29	19.2
8	Wr	P	21	41	07
	Qt	eP			39.5
8	Qt	eP	21	44	33.2
8	Qt	eP	22	51	50.1
8	Qt	eP	23	37	04.2

(ABDUL QADIR KHAN)
for
Director
Meteorological Service

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63/12

Quetta, the 17th February, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi

x-Unidentified Phase, c-Compression, d-Dilatation

Provisional Readings at Seismological Stations from 9th February to 15th Feb'65.

February

Continuation

9	Qt	eP	03	55	16.1
9	Qt	eP	04	47	02.5d
		iX			59.7
9	Qt	eP	05	29	41.5
		eS		31	36.0
9	Qt	eP	06	00	12.7
9	Qt	eP	07	50	21.6
9	Qt	eP	08	18	12.5
9	Wr	P	08	23	42
	Qt	eP		24	14.6
9	Qt	eP	09	20	40.0
9	Qt	eP	12	32	45.1
9	Qt	eP	15	05	45.2
9	Qt	eP	15	45	42.5
9	Qt	eP	16	03	47.0
9	Wr	P	17	48	20
	Qt	eP			53.5
		ePP		51	41.0
		eS		58	28.5

Mu Sec

PZ 0.1 1.0

$\Delta = 75^{\circ}.2$

Mag = 5.8(Qt)

9	Qt	eP	18	02	13.0
9	Wr	P	18	29	40
	Qt	eP		30	12.9d
9	Qt	eP	18	42	03.4
9	Qt	eP	19	05	53.5
9	Qt	eP	20	46	10.5
9	Qt	eP	23	21	25.0
9	Qt	eP	23	23	11.2c
		iX			25.5
		eS		32	54.0

Mu Sec

MH 3.9 20

$\Delta = 76^{\circ}.7$

Mag = 5.9(Qt)

February, 1965

10	Qt	eP	00	49	50.5c
10	Wr	P	02	19	43
	Qt	eP		20	16.0
10	Qt	eP	04	22	41.0
10	Qt	eP	05	18	45.5
10	Qt	eP	05	42	18.6
		eS		43	39.5
10	Qt	eP	07	12	57.5
10	Qt	eP	08	23	54.0
10	Qt	eP	11	20	13.5
10	Qt	eP	11	40	12.5d
10	Wr	P	14	54	43
		S		55	20
	Qt	eP			49.5
		eS		57	26.1
10	Qt	eP	16	14	05.5
		e(S)		17	33.0
10	Qt	eP	17	44	00.0
10	Qt	eP	18	39	55.2
10	Qt	eP	20	41	55.8
11	Qt	eP	00	28	40.1
11	Qt	eP	01	22	21.0
11	Wr	P	02	51	57
	Qt	eP		52	07.0
11	Qt	eP	04	54	29.4
	Wr	P			50
11	Qt	eP	06	37	34.3
11	Qt	eP	06	50	44.6
11	Qt	eP	06	53	02.2
11	Qt	eP	06	58	02.9c
11	Wr	P	09	01	58
	Qt	eP		02	10.5
11	Qt	eP	09	20	14.6
11	Wr	P	12	29	43
	Qt	eP		30	37.0
11	Qt	eP	13	06	58.7
11	Qt	eP	13	16	52.0
11	Qt	eP	15	39	46.5

GOVERNMENT OF PAKISTAN
 FEDERAL BUREAU OF SURVEY
 PAKISTAN - 24
 POST BOX NO. 2, DELTA

February 1965

February 1965.

11	Qt	eP	16	29	30.5
		eX		32	48.0
11	Qt	eP	19	47	02.3
11	Qt	eP	21	22	03.2
11	Qt	eP	21	32	16.2
11	Qt	eP	22	36	28.5
11	Qt	eP	22	47	19.0
11	Qt	eP	23	16	06.5
12	Wr	P	00	54	40
	Qt	eP		55	12.5d
12	Wr	P	01	06	18
	Qt	eP			51.0c
12	Qt	eP	01	15	13.4c
12	Qt	eP	01	47	38.7
12	Qt	eP	02	34	14.5
12	Qt	eP	05	29	09.8
12	Qt	eP	09	13	32.5
12	Qt	eP	09	54	38.5
12	Qt	eP	11	59	47.5
12	Qt	eP	12	16	36.5
12	Qt	eP	12	23	37.0
12	Qt	eP	13	03	43.5
12	Qt	eP	15	09	32.0
12	Qt	eP	15	38	38.7
12	Qt	eP	16	44	49.5
12	Qt	eP	18	53	31.5
12	Qt	eP	19	23	26.5
12	Qt	eP	22	03	13.5
12	Qt	eP	22	35	43.8c
12	Qt	eP	23	30	51.5
13	Qt	eP	01	01	28.7c
13	Qt	eP	01	11	51.4
		iX		12	02.0
13	Qt	eP	02	26	54.4
13	Qt	eP	02	59	37.6c
13	Qt	eP	04	02	02.1
		iX			12.2
13	Qt	eP	04	57	24.6
		iX			35.1
13	Qt	eP	12	30	09.3
13	Qt	eP	15	27	31.2
13	Qt	eP	18	11	39.3
13	Qt	eP	18	20	27.1c
13	Qt	eP	18	28	42.6c
13	Qt	eP	21	14	11.5
13	Qt	eP	23	00	16.7
14	Qt	eP	03	50	57.3

14	Qt	eP	06	11	04.3
14	Qt	eP	09	11	33.1
14	Qt	eP	09	13	14.2
14	Qt	eP	10	49	50.5d
14	Qt	eP	12	13	49.1
14	Qt	eP	14	06	50.0
14	Qt	eP	16	08	15.6
14	Qt	eP	17	12	28.2
14	Qt	eP	18	05	00.0
14	Qt	eP	18	22	36.4
14	Qt	eP	19	06	25.9
		iX			31.5
14	Qt	eP	19	46	34.5
		iX		40	42.7
14	Qt	eP	21	29	20.4
		iX			30.0
14	Qt	eP	23	30	49.0
		iX			58.4
15	Wr	P	01	36	41
	Qt	iP		37	13.0
		eS		47	16.0
		Mu			Sec
		PZ	0.1		0.8
		Δ	$\neq 80^\circ.6$		
		Mag	= 6.0(Qt)		
15	Qt	eP	01	47	25.2
		iX			48.3

(Abdul Qadir Khan)
 for
 Director,
 Meteorological Service.

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-(9)/63/ 32-32

Quetta, the February, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi

x-Unidentified phase, c-Compression, d-Dilatation

Provisional Readings at Seismological Stations from 15th February to 22nd February, 1965

Continuation
February 1965.

February 1965

15	Qt	eP	05	13	10.2
		iX			30.4
15	Qt	eP	06	16	41.2
15	Wr	P	06	45	45
	Qt	eP		46	02.0
15	Qt	eP	06	54	18.7c
15	Qt	eP	08	09	33.9
15	Qt	eP	09	53	53.2
		eX		55	31.0
15	Ch	P	10	50	42
		S		56	39
	Lh	P		52	58
	Wr	P		53	20
		S	11	01	22
	Qt	iP	10	53	37.2c
		iX		54	19.5
		eS	11	01	52.3
15	Wr	P	12	39	36
		S		43	36
	Qt	eP		40	26.9c
		eS		45	08.1
				<u>Mu</u>	<u>Sec</u>
				PZ	0.05
				Δ	= 28°.1
				Mag	= 5.5(Qt)
15	Qt	eP	13	13	35.3d
15	Qt	eP	15	52	48.2
15	Qt	eP	18	24	14.5

15	Wr	P	19	13	34
	Qt	eP		14	24.6
		eS		15	40.2
15	Qt	eP	19	44	30.6
15	Qt	eP	21	50	43.5
15	Qt	eP	22	19	54.3
15	Qt	eP	22	20	53.0
16	Qt	eP	01	06	59.0
16	Qt	eP	12	17	48.3
		eS		19	08.7
16	Ch	P	12	32	00
	Lh	P		33	34
	Qt	iP		34	17.2c
		eS		42	34.0
16	Qt	eP	12	58	05.2
16	Qt	eP	14	30	39.4c
16	Qt	eP	17	59	00.0c
16	Qt	eP	20	41	04.5
16	Qt	eP	20	45	22.5
16	Wr	P	20	47	21
		S			54
	Lh	P		48	02
		S		49	04
	Qt	iP		48	20.4d
		eS		49	40.0

Mu Sec

PZ 0.25 0.6
 Δ = 6°.8
H - 20:46:42.0
36.ON, 70.8E
HINDUKUSH
depth about 200 km.
Mag= 5.6(Qt)

PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL OBSERVATORY
 POST BOX NO. 2, KARACHI

February, 1965

February, 1965

16	Qt	eP	21	21	40.1
16	Qt	eP	22	46	54.5
16	Qt	eP	22	51	30.9
17	Qt	eP	01	02	47.2
17	Qt	eP	02	29	03.5
17	Qt	eP	03	04	17.6
17	Qt	eP	04	14	18.6
17	Qt	iP	10	23	17.6c
17	Qt	eP	10	25	02.1
17	Ch	P	10	29	59
		S		39	05
	Qt	iP	30	46.2c	
		eS	40	38.0	
				<u>Mu</u>	<u>Sec</u>
			MH	5.0	20
			Δ	= 78° .4	
			Mag	= 6.0(Qt)	
17	Qt	eP	10	51	51.6d
17	Qt	eP	13	04	47.0
17	Qt	eP	15	18	57.2
17	Qt	eP	16	49	05.0
17	Qt	iP	18	34	21.5c
17	Qt	eP	19	02	18.4
17	Qt	eP	19	48	12.6
17	Qt	eP	21	53	54.0
17	Qt	eP	22	11	44.8
18	Qt	eP	02	33	19.0
18	Ch	eP	04	27	27
	Lh	P		30	49
	Wr	P		31	25
	Qt	iP			53.6c
		eS		36	14.4
				<u>Mu</u>	<u>Sec</u>
			PZ	0.05	0.6
			Δ	= 25° .3	
			Mag	= 5.5(Qt)	
18	Qt	eP	06	01	40.7
18	Qt	eP	06	44	11.6
18	Qt	eP	07	38	46.4
18	Qt	eP	08	30	05.1
18	Qt	iP	08	46	04.4c
18	Qt	eP	09	46	46.9
18	Qt	eP	12	23	38.0
18	Qt	iP	13	42	49.7c
		eS		44	06.0
18	Qt	eP	20	38	51.4
18	Qt	eP	22	50	36.5d

18	Lh	P	22	50	13	
	S			58	43	
	Wr	P		50	35	
	Qt	eP			46.1	
		eS		59	43.0	
			<u>Mu</u>	<u>Sec</u>		
			PZ	0.1	0.8	
			Δ	= 70° .1		
			Mag	= 6.1(Qt)		
18	Qt	eP	23	19	02.0	
18	Ch	P	23	24	56	
	S			34	10	
	Wr	P		25	11	
	Lh	P			15	
	Qt	iP			42.1c	
		eS		35	42.0	
			<u>Mu</u>	<u>Sec</u>		
			PZ	0.2	1.0	
			MH	12.9	20	
			Δ	= 80° .0		
			Mag	= 6.3(Qt)		
				23	38	30.1
		eP		23	44	55.2
				19	02	16.6
		eP		02	35	47.5
		eP		03	36	36.5
		eP		04	32	52.5
				04	58	25.0
		eP		05	37	39.5
		eP		06	34	25.2
		eP		08	26	46.5
		eP		13	51	36.5
		eP		14	59	38.0c
		eP		16	51	29.0
		P		18	27	22
		iP				53.4d
		P		19	04	14
		iP				45.7c
		eS		14	44.0	
				23	25	55.2
		eP		23	52	25.3c
				02	20	02.5
		eP		06	40	04.5
		eP		10	02	39.0
		eP		10	53	48.5
		iX			54	16.4
		e(S)			55	53.5

February, 1965

20	Qt	eP	12	28	21.0
20	Qt	eP	13	52	00.5
		eS		53	25.0
20	Qt	eP	15	04	55.2d
20	Qt	eP	17	58	11.4
20	Qt	eP	18	21	17.8
		e(S)		23	54.5
20	Qt	eP	20	10	32.5
20	Qt	eP	20	34	32.5
		eS		35	51.6
20	Qt	eP	20	56	02.2c
20	Qt	eP	22	18	44.1d
20	Qt	eP	22	26	08.3
20	Qt	eP	22	32	06.7c
21	Qt	eP	03	06	47.5
21	Qt	eP	03	27	42.9
		e(S)		29	31.0
21	Qt	eP	03	42	46.5
		eS		44	09.0
21	Qt	eP	04	49	13.7c
		eX			59.0
21	Qt	eP	05	58	31.0c
21	Wr	P	11	33	01
	Qt	eP			11.5
21	Qt	eP	14	10	39.0

February, 1965

21	Qt	eP	14	29	08.0
21	Wr	P	15	51	48
	Qt	eP		52	33.2
		iX		53	16.6
21	Wr	P	16	55	08
	Qt	eP			55.5
		eS		57	35.4
21	Qt	eP	19	56	46.7
21	Qt	eP	22	38	17.9d
21	Qt	eP	22	42	17.5
21	Qt	eP	23	23	46.3
		eX		23	56.5
22	Qt	eP	00	41	48.5
22	Qt	eP	04	03	32.5
22	Qt	eP	07	39	25.4d
22	Wr	P	09	26	05
	Qt	eP			37.3
		eX		29	48.4
22	Qt	eP	11	29	40.0
22	Qt	eP	12	04	45.4
22	Qt	eP	13	49	39.5
22	Qt	eP	14	17	25.2
22	Qt	eP	15	32	41.1
22	Qt	eP	16	44	55.0
22	Qt	eP	20	20	41.0
22	Qt	eP	21	25	32.5

(Abdul Qadir Khan)
for
Director,
Meteorological Service.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the March 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 23rd Feb'65 to 28th Feb'65.

Continuation:
 February 1965

February 1965.

23	Qt	eP	02	19	38.5
23	Qt	eP	03	16	39.5
23	Qt	eP	07	18	55.7c
23	Qt	eP	12	02	09.9
23	Wr	P	13	33	37
	Qt	eP			57.0d
23	Wr	P	17	18	10
	Qt	iP		19	19
	Qt	iS		21	07.0
23	Qt	ePKP	22	31	11.7
	Wr	ePP		34	25.6
	Ch	PKP		31	24
	Ch	PKP			50
24	Qt	eP	04	45	37.0
24	Qt	eP	05	09	45.4
		eS		11	28.0
24	Qt	eP	08	16	23.6
24	Qt	eP	08	28	27.5
		eX		31	58.5
24	Qt	eP	08	42	43.0
24	Qt	eP	09	56	29.5
24	Qt	eP	13	10	25.0
24	Qt	eP	14	33	20.5
		iX			31.2
24	Qt	eP	17	04	49.2
24	Qt	eP	19	25	57.6
24	Qt	eP	21	05	39.5c
24	Qt	iP	21	35	17.5c
25	Qt	eP	00	04	48.0
25	Qt	eP	01	45	12.5
25	Qt	eP	02	05	51.9
25	Qt	eP	03	45	40.1
25	Qt	eP	03	54	08.5
25	Lh	P	04	54	04
	Qt	eP		55	06.5
		eS		56	33.9

25	Ch	P	05	02	06
	Lh	P		03	48
	Wr	P		04	01
	Qt	iP			17.5c
		eS		14	39.0
		Mu		Sec	
		MH	18.7		20
		Δ	= 84° 3'		
		Mag	= 6.5(Qt)		
25	Wr	P	05	33	25
	Lh	P			30
	Qt	eP			58.0
25	Qt	eP	05	43	47.0
25	Qt	eP	05	58	38.9
25	Qt	eP	06	32	45.3
25	Qt	eP	10	32	02.4
	Ch	P		34	51
25	Lh	P	10	38	30
	Wr	P		39	04
	Qt	eP			28.7
		e(S)		44	13.6
		Mu		Sec	
		PZ	0.04		1.0
25	Qt	eP	12	39	55.2c
25	Qt	eP	13	33	49.7
25	Wr	P	16	13	16
	Qt	eP			42.9
		iX			50.6
		eS		20	55.4
25	Qt	eP	17	27	43.5
25	Qt	eP	18	46	41.5
25	Qt	eP	19	05	17.4

25	Qt	eP	19	37	27.0
26	Qt	eP	01	39	23.4
	QUE	e(S)		42	23.5

	<u>Mu</u>	<u>Sec</u>
PZ	0.06	0.5

26	Qt	eP	05	54	51.8
26	Qt	eP	07	44	48.0
26	Lh	P	09	04	10
	Wr	P			37
	Qt	eP			37.2
		eS	11		36.0

	<u>Mu</u>	<u>Sec</u>
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MI = 8.8
 $\Delta = 48.7^\circ$
 Mag = 5.9(Qt)

26	Qt	eP	16	50	12.5
26	Wr	P	18	05	21
	Qt	eP			37.0d
26	Qt	eP	20	36	55.0
26	Qt	eP	20	58	11.0
26	Wr	P	22	22	56
	Qt	iP			23 54.2d
		eS	24		03.5
26	Qt	eP	22	35	07.4
26	Qt	eP	23	53	03.5
26	Qt	eP	23	55	01.0
	Wr	P			01.0
27	Qt	eP	02	02	04.5
27	Wr	P	02	10	27
	Qt	eP			58.5
27	Qt	eP	04	17	44.7d
27	Qt	eP	06	01	13.2
27	Qt	eP	11	39	30.9c
27	Qt	eP	13	47	17.4
		eS	49		18.5
27	Qt	eP	17	45	08.2c
27	Qt	eP	18	43	04.0
27	Qt	eP	20	35	04.5

Aslam

28	Qt	eP	00	50	24.7
28	Qt	eP	00	59	03.5
28	Qt	eP	01	28	26.2d
28	Qt	eP	04	05	00.0
28	Qt	eP	04	49	44.0
28	Qt	eP	08	08	12.5
		eS	10		10.0
	Wr	P	09		15
28	Qt	eP	10	06	33.6
28	Wr	P	13	54	32
	Qt	eP	55		55.0
		eS	57		14.7

28	Qt	eP	19	38	39.1
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28	Qt	eP	22	11	24.0
	Wr	P			37

(ABDUL QADIR KHAN)
 for
 DIRECTOR,
 METEOROLOGICAL SERVICE

04	48	40	49	39	43
08	09	20	49	39	43
11	28	11	49	39	43
16	23	16	49	39	43
28	23	28	49	39	43
31	28	31	49	39	43
43	43	43	49	39	43
49	28	49	49	39	43
10	22	10	49	39	43
13	20	13	49	39	43
14	20	14	49	39	43
17	04	17	49	39	43
19	22	19	49	39	43
21	02	21	49	39	43
21	22	21	49	39	43
21	00	21	49	39	43
21	42	21	49	39	43
22	02	22	49	39	43
22	42	22	49	39	43
23	04	23	49	39	43
23	06	23	49	39	43
26	22	26	49	39	43

March 1965

6	Qt	eP	21	53	25.2
		e(s)		54	56.0
6	Qt	eP	22	14	24.0
7	Qt	eP	01	10	57.7
7	Qt	eP	01	47	00.0
7	Qt	eP	02	02	05.4
7	Qt	eP	05	43	20.7c
7	Wr	P	05	49	13
		S			45
	Qt	iP		50	11.4d
		eS		51	31.0
7	Qt	eP	07	38	13.6c
		e(s)		42	52.0
	Wr	P		39	02
7	Qt	eP	07	48	07.0
	Wr	P			55
	Ch	P		50	45
7	Ch	P	11	15	47
	Qt	iP		16	34.6c
7	Qt	eP	16	27	51.5
7	Qt	eP	18	18	51.4
7	Qt	eP	19	53	20.4
7	Qt	eP	23	05	51.0
7	Qt	eP	22	44	25.0
8	Qt	eP	00	16	18.2
8	Qt	eP	04	47	26.9
8	Qt	eP	12	57	44.5
8	Qt	eP	14	46	00.0
8	Qt	eP	15	22	01.5
8	Qt	eP	16	07	04.6
8	Qt	iP	16	19	27.4d
		iX		20	00.0

March 1965

8	Qt	eP	19	41	09.5
8	Wr	P	19	44	36
	Qt	eP		45	20.2
		e(s)		47	03.0
8	Qt	eP	23	30	30.6
		iX			41.1
	Wr	P			44
8	Qt	eP	23	34	01.0

(ABDUL QADIR KHAN)
for
Director,
Meteorological Service.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the March 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong
 Kr- Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 9th to 15th March 1965

Additional:				March 1965				March 1965			
1	Ch	eP	07 31 35	9	Qt	eP	20 42 16.2				
1	Ch	eP	09 19 25			eS	43 34.5				
3	Ch	eP	03 34 35	9	Qt	eP	21 27 11.2				
3	Lh	eP	07 27 13.5	9	Qt	eP	21 56 58.4				
5	Ch	eP	06 26 24	9	Qt	eP	22 42 19.0				
	Lh	eP	41.0	10	Qt	eP	00 25 44.9				
5	Lh	eP	10 14 31.2	10	Qt	eP	01 43 09.5				
5	Lh	eP	13 54 04.2			iX	13.1				
5	Lh	eP	14 50 47.1			Wr	P	30			
5	Lh	eP	18 10 32.3	10	Wr	P	02 13 51				
6	Ch	eP	06 03 49		Qt	eP	14 54.2				
6	Lh	eP	13 52 39.2			eS	16 21.2				
6	Ch	eP	14 46 56	20	Qt	eP	02 26 23.5c				
Continuation:				10	Qt	eP	05 48 28.1				
March 1965					Wr	P	49 05				
9	Qt	eP	00 59 48.6	10	Qt	eP	08 43 10.0				
9	Qt	eP	01 54 52.5	10	Qt	eP	10 13 54.2				
		iX	02 01 14.2	10	Qt	eP	16 11 25.6				
	Wr	P	01 55 48	10	Qt	eP	19 08 19.5				
9	Qt	eP	02 05 01.6	10	Qt	eP (2)	19 33 43.5				
9	Wr	P	11 58 43	10	Qt	eP	21 22 29.4				
	Qt	eP	59 46.0			e(S)	26 37.0				
9	Qt	eP	12 48 00.0	10	Qt	eP	22 05 38.5				
9	Qt	eP	13 05 49.0	10	Qt	eP	22 29 51.8				
9	Qt	eP	17 10 48.4								
9	Qt	eP	18 04 58.5	11	Qt	eP	06 11 55.1				
		ePP	06 30.0	11	Qt	eP	08 18 49.0				
		iS	10 45.0	11	Wr	P	08 40 04				
					Qt	eP	41 40.2c				
				11	Qt	eP	08 47 27.4				
				11	Qt	eP	09 03 52.9				
				11	Qt	eP	12 15 08.9c				
				11	Qt	eP	12 19 18.4				
				11	Wr	P	15 00 08				
					Qt	eP	48.5				
				11	Qt	eP	17 43 49.2				
				11	Qt	eP	19 26 29.5c				
				11	Qt	eP	21 31 39.4				
				11	Qt	eP	22 51 12.0				
				11	Qt	eP	23 15 21.5				
				12	Qt	eP	02 07 13.0				

Mu = 50.0
 $\Delta = 37^{\circ}.6$

Wr	P	18 05 13
Lh	P	42
Mag = 6.1(Qt)		
9	Qt	eP 18 44 55.5
	Wr	P 45 12
9	Qt	eP 19 53 54.5



March 1965

March 1965

12	Qt	eP	02	28	45.4	14	Qt	eP	20	09	17.2
12	Qt	eP	07	04	34.5	14	Qt	eS	10	35.7	
12	Qt	eP	09	01	09.7	14	Qt	eP	22	30	18.4
12	Qt	eP	10	18	10.0	14	Qt	eS	31	35.5	
12	Wr	P	12	16	36	14	Qt	eP	22	47	12.6
	Qt	eP	17	16	46.0	14	Qt	eS	48	30.5	
		eS	19	19	51.6	15	Qt	eP	00	59	25.7
12	Qt	eP	17	50	00.0	15	Qt	eS	01	00	45.5
12	Qt	eP	18	28	10.4	15	Qt	eP	02	10	56.5
12	Qt	eP	19	13	05.2	15	Qt	eP	06	46	13.5
12	Qt	eP	19	40	53.4	15	Qt	eP	07	43	55.5
12	Qt	eP	20	06	28.5	15	Qt	eP	08	29	49.6
12	Qt	eP	22	36	23.0	15	Qt	eS	30	56.7	
12	Qt	eP	23	49	17.5	15	Wr	P	08	37	12
13	Qt	eP	01	42	54.0	15	Qt	eP	01	45.3d	
13	Qt	eP	04	16	42.1	15	Qt	eP	11	06	36.4
13	Qt	eP	04	46	43.4	15	Qt	eP	11	15	45.6
13	Qt	eP	06	59	02.0	15	Qt	eS	17	02.7	
13	Qt	eP	07	06	12.7	15	Qt	eP	12	24	55.3
13	Qt	iP	07	46	05.4d	15	Qt	eS	12	26	12.1
		iX	49	29.4		15	Qt	eP	13	51	06.4
13	Qt	iP	14	12	32.6d	15	Qt	eS	13	52	23.5
13	Qt	eP	14	34	26.5	15	Wr	eP	14	15	23
13	Qt	eP	15	38	03.0	15	Qt	eP	14	15	23
13	Qt	eP	17	14	16.7	15	Qt	iX	14	15	23
13	Qt	eP	17	21	16.5	15	Qt	eP	16	27	02.0
13	Qt	eP	19	11	10.2	15	Qt	eS	28	38.0	
		eS	12	27.3		15	Qt	eP	16	50	04.5
13	Qt	eP	23	41	44.5	15	Qt	eP	17	45	05.6
		iX	19	58.0		15	Qt	eS	17	46	24.0
14	Qt	eP	05	13	21.6	15	Qt	eP	23	26	23.4
		eS	14	59.7		15	Qt	eP	11		
14	Qt	eP	09	10	52.0	15	Qt	eP	11		
14	Qt	eP	11	43	26.6	15	Qt	eP	11		
		e(S)	44	53.5		15	Qt	eP	11		
14	Wr	P	15	53	50.0	15	Qt	eP	11		
	Lh	P	54	31		15	Qt	eP	11		
	Qt	iP		46.1d		15	Qt	eP	11		
		eS	56	03.9		15	Qt	eP	11		
		P	57	56		15	Qt	eP	11		
<p>H - 15:53:06.5 36.5N, 70.5E HINDUKUSH</p>						<p>(ABDUL QADIR KHAN) for DIRECTOR, METEOROLOGICAL SERVICE.</p>					
14	Qt	eP	17	10	46.0						
		eS	12	03.4							
14	Qt	eP	18	02	32.0						
		eS	03	48.2							
14	Qt	eP	18	44	02.0						
		eS	45	21.5							
14	Qt	eP	19	04	14.4						
		eS	05	32.0							
14	Qt	eP	19	31	29.0						
		eS	32	45.5							

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. 2, QUETTA

March 1965

P A K I S T A N

No. SS-9(2)/63/

Quetta, the August, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi,

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 16th March to 23rd March

<u>Additional</u>											
<u>March '65</u>											
9	Wr	eP	12 05	15.0	17	Wr	P	00 27	55		
9	Ch	eP	18 07	59	17	Qt	eP	02 20	13.2		
9	Wr	eP	20 41	12.2	17	Qt	iP	07 21	08.5d		
10	Wr	eP	05 48	50.7		Wr	P		16		
	Lh	eP	49	34.5	17	Qt	eP	09 27	52.2		
							e(S)	30	04.4		
12	Wr	eP	10 17	53.4	17	Qt	eP	12 51	35.0		
13	Wr	eP	04 16	56.0							
13	Wr	eP	04 46	39.1	17	Wr	P	13 15	59		
13	Wr	eP	07 45	36.8		Lh	P	16	40		
13	Wr	eP	19 10	07.1		Qt	eP		52.3		
14	Wr	eP	05 12	04.2			e(S)	18	57.0		
	Lh	eP		40.2							
14	Wr	eP	11 42	44.9	17	Wr	P	14 38	20		
14	Wr	eP	18 01	37.4		Qt	eP		50.4		
14	Wr	eP	18 43	06.1			eS	48	28.8		
14	Wr	eP	19 03	18.5							
14	Wr	eP	19 30	33.6							
14	Wr	eP	20 08	20.8							
15	Wr	eP	00 58	21.2							
15	Wr	eP	02 10	25.4							

Continuation:
March 1965:

16	Qt	eP	07 16	59.6	17	Qt	eP	19 50	21.2		
16	Qt	eP	10 57	28.6			eS	51	38.6		
16	Qt	eP	13 14	44.2							
16	Qt	eP	13 58	26.5	17	Qt	eP	20 47	47.6		
		eS	59	39.6							
16	Ch	P	16 54	42	17	Qt	eP	20 51	10.3		
	Wr	P	55	51							
	Qt	iP	56	26.5c	18	Lh	P	02 43	07		
		eS	17 04	34.0		Wr	P		34		
						Qt	eP		44	11.5	
							e(S)	46	18.3		
			<u>Mu</u>	<u>Sec</u>							
			PZ 0.1	0.6	18	Qt	eP	04 40	04.3d		
			MH 62.2	20			eS	41	20.0		
			Δ = 59° . 7								
			Mag = 6.6 (Qt)		18	Wr	P	04 45	26		
							S	-	58	-	
16	Qt	iP	18 36	05.4c		Qt	eP	46	20.6		
16	Qt	eP	21 42	24.0			eS	47	36.5		
	Wr	P		29							

PAKISTAN METEOROLOGICAL DEPARTMENT
METEOROLOGICAL INSTITUTE
ATTAUQ, KARACHI

March 1965

March 1965

18	Qt	eP	04	59	48.5
18	Qt	eP	06	40	42.0d
18	Qt	eP	12	59	25.3
18	Wr	P	16	31	46
		S		32	19
	Qt	iP			40.7d
		eS		33	58.3
			<u>Mu</u>	<u>Sec</u>	
			PZ	0.04	0.5
			Δ	= 7°0	
			Mag	= 4.9(Qt)	

18	Qt	eP	19	27	19.0
18	Wr	P	19	56	44
		S		57	14
	Qt	eP			40.2
		eS		58	58.4
18	Wr	(e) P	22	13	45
		S		14	13
	Qt	(e) eP			49.1
		eS		16	09.5
18	Qt	eP	22	38	26.2
18	Qt	eP	23	33	21.8
		eS		34	42.3
19	Qt	eP	05	26	07.2
19	Qt	eP	05	51	27.7
19	Wr	P	07	23	10
	Qt	eP			30.5
		eS		24	42.5
19	Qt	eP	07	47	14.0c
19	Qt	eP	11	00	53.0
		eS		02	07.0
19	Qt	eP	12	03	09.5
		iX			19.7
19	Qt	eP	14	41	18.5
19	Qt	eP	15	25	02.0
19	Wr	P	16	30	40
		S		38	41
	Qt	iP		30	51.8
		eS		39	03.0
		ePKPPKP	17	00	32.5
			<u>Mu</u>	<u>Sec</u>	
			PZ	0.2	0.9
			MH	21.4	20
			Δ	= 60°0.5	
			Mag	= 6.3(Qt)	

19	Qt	eP	17	55	03.0
19	Qt	eP	18	05	12.6
19	Qt	eP	19	20	40.9
		iX		21	08.3
19	Qt	eP	22	08	05.5
19	Wr	P	22	44	07
	Qt	eP			16.0

19	Ch	P	23	05	40
	Lh	P		07	58
	Wr	P		08	20
	Qt	iP			34.6c
		eS		16	45.5
19	Qt	eP	23	48	45.7
		eS		50	05.9
20	Qt	iP	01	02	04.5d
20	Qt	eP	06	41	13.5
20	Qt	eP	10	11	00.0
		eX			15.0
		eS		12	58.5
20	Qt	eP	17	45	49.5
		eS		47	08.3
20	Qt	iP	19	30	41.8d
20	Qt	eP	20	59	13.5c
21	Qt	eP	01	32	55.4d
21	Qt	eP	04	57	02.6
		eS		58	51.9
21	Qt	e(P)	10	01	52.0
		iX		05	16.0
21	Lh	P	11	18	17
		S		26	24
	Qt	eP		18	54.8
		eS		27	46.0
		ePKPPKP	47	46.0	

			<u>Mu</u>	<u>Sec</u>	
			PZ	0.1	1.0
			MH	23.1	20
			Δ	= 67°0.3	
			Mag	= 6.2(Qt)	
21	Qt	eP	12	35	43.2
21	Qt	eP	13	25	53.4
		iX		26	14.6
21	Qt	iP	13	50	26.0d
21	Qt	iP	15	12	30.9c
		eX		15	02.2
		e(S)			08.0
21	Qt	eP	15	27	00.0
21	Qt	eP	18	15	45.0
		eX		16	05.0
		e(S)		17	32.0
21	Qt	iP	19	13	16.4c
21	Qt	iP	19	27	10.6d
21	Qt	eP	20	11	54.4
		eS		13	12.0
21	Qt	iP	21	09	54.5d
21	Qt	iP	22	11	17.5d
22	Qt	iP	03	03	43.7c
22	Qt	e(P)	03	24	31.0
22	Qt	eP	03	27	58.0
22	Qt	eP	10	04	06.5d
22	Qt	eP	11	41	44.5c
22	Qt	eP	14	47	59.0
22	Qt	eP	17	40	02.5

March 1965

22	Qt	eP	20	04	48.2
22	Qt	eP	21	05	35.5
		eX		08	28.0
22	Qt	eP	21	38	43.5
22	Qt	eP	22	14	15.1c
22	Qt	iPKP	23	15	58.2c
23	Qt	eP	05	40	30.1
		eS		41	49.9
23	Qt	eP	05	47	21.9
		e(S)		49	05.5
23	Qt	eP	08	30	16.2
23	Qt	eP	10	41	22.8
23	Qt	eP	11	00	23.5
		eS		01	53.9

March 1965

23	Qt	eP	12	57	00.0
23	Qt	eP	13	47	48.5
23	Qt	eP	15	54	51.9
		eS		55	14.5
23	Qt	eP	18	35	01.1
23	Qt	eP	19	46	11.5
23	Qt	eP	19	53	43.5
23	Qt	eP	22	54	15.0
23	Qt	eP	22	56	14.4

(ABDUL QADIR KHAN)
for
DIRECTOR,
METEOROLOGICAL SERVICE.

PAKISTAN METEOROLOGICAL DEPARTMENT

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-(9)/63/

Quetta, the _____ March 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi

x-Unidentified phase, c-Compression, d-Dilatation

Provisional Readings at Seismological Stations from 1st March 1965 to 8th March '65

Continuation:

March 1965

1	Qt	eP	00	03	00.0
1	Qt	eP	05	43	04.5
1	Lh	P	07	33	16
	Wr	P			29
	Qt	eP			45.2
		eS		44	16.0
1	Qt	eP	07	40	54.1
1	Qt	eP	07	59	47.4
1	Ch	P	08	24	42
	Wr	P		27	16
	Qt	eP			45.0
1	Qt	eP	09	21	35.6
1	Qt	eP	10	06	31.5
1	Qt	eP	12	28	30.1
1	Ch	P	13	26	40
	Wr	P		29	14
	Qt	eP			44.2d
1	Qt	eP	16	14	23.5
		iX			41.7
	Wr	P			57
1	Qt	eP	16	41	05.2
1	Qt	eP	19	33	48.5
		iX		34	10.7
1	Qt	eP	21	51	06.0
1	Wr	PKP	21	51	10
	Qt	iPKP			13.5
		i(PP)		54	31.3
	Lh	PKP		51	16
1	Qt	eP	22	09	54.0
1	Qt	eP	23	41	19.2
2	Qt	eP	00	00	54.6
2	Qt	eP		11	26.9
2	Qt	eP	06	16	22.1
2	Qt	eP	07	44	12.0
2	Wr	P	09	38	21
	Qt	eP			37.5
2	Qt	eP	11	54	21.8
2	Qt	eP	11	55	22.6
2	Qt	eP	12	50	25.0
2	Qt	eP	14	42	04.1
2	Qt	eP	14	51	09.9
2	Qt	eP	15	31	34.5
2	Qt	eP	15	40	04.8
		eS		41	23.5

March 1965

2	Qt	eP	16	07	26.5
2	Qt	eP	16	44	00.0
2	Qt	eP	16	53	16.6
2	Qt	eP	20	09	56.5
2	Qt	eP	20	43	14.6
2	Ch	P	21	43	59
		S		49	48
	Wr	P		45	22
	Lh	P			29
		S		52	31
	Qt	iP		46	13.3d
		eS		54	00.0
				<u>Mu</u>	<u>Sec</u>
				MH	8.9
				Δ	56.4
				H	21:36:40
				Mag	6.1(Qt)
2	Qt	eP	22	06	37.9
	Wr	P			51
	Lh	P		07	23
2	Qt	eP	23	49	28.2
2	Qt	eP	23	52	34.2
3	Qt	eP	01	07	36.1
3	Qt	eP	01	21	20.6
3	Qt	eP	03	35	58.6
3	Wr	P	03	37	02
	Qt	eP			15.0d
3	Ch	P	06	19	16
	Qt	eP			46.6c
3	Ch	P	07	25	55
	Wr	P		26	11
	Qt	iP			59.5c
3	Qt	eP	08	09	40.8
3	Qt	eP	09	24	30.6
3	Qt	eP	10	54	27.6
3	Qt	eP	11	55	24.0
3	Qt	eP	13	00	20.1
3	Qt	eP	14	08	34.2d
3	Qt	eP	14	18	37.5
3	Qt	eP	14	48	19.5d

PAKISTAN METEOROLOGICAL DEPARTMENT

March 1965

March 1965

3	Wr	P	14	57	54
	Qt	iP		58	00.0c
3	Ch	P	15	24	47
	Lh	P		26	28
		S		36	41
	Wr	P		26	41
	Qt	eP			57.6
		eS		37	31.0
		eS			42.5

5	Ch	P	13	53	46
	Wr	P		54	02
	Qt	iP			34.0
		eS	14	04	18.6
				<u>Mu</u>	<u>Sec</u>
				MH	6.4
				Δ	= 77.0
				H	= 13:42:43
				Mag	= 6.1(Qt)

Mu Sec

MH 40.8 20
 Δ = 89.3
H = 15:14:03.6
Mag = 6.7(Qt)

3	Ch	P	16	58	15
		S	17	07	03
	Wr	P	16	58	29
	Lh	P			33
	Qt	iP		59	03.6c
		eS	17	08	39.5
			H =	16:47:21.6	
3	Qt	eP	17	46	57.7
	Wr	P			58
3	Qt	eP	19	13	58.5
3	Qt	eP	19	20	09.8
3	Lh	P	19	39	17
	Wr	P			19
	Qt	eP			56.2d
3	Qt	eP	20	14	12.4
3	Qt	eP	21	31	12.7
4	Wr	P	01	54	14
	Qt	iP			45.0c
4	Wr	P	02	00	49
	Qt	eP		01	04.9d
		eS		11	07.0
4	Qt	iP	02	13	25.6c
4	Qt	eP	04	12	10.6
4	Qt	iP	06	42	06.8c
4	Qt	eP	21	01	04.5
4	Qt	eP	23	26	58.0
4	Qt	eP	23	49	03.5
		eS		50	23.2
5	Qt	eP	00	11	13.2
5	Qt	eP	02	11	23.0
5	Qt	eP	06	27	10.0
		e(S)		37	15.5
5	Ch	P	06	26	24
	Qt	eP		29	42.5c
5	Qt	eP	06	38	06.5
5	Ch	P	10	12	27
	Wr	P		14	52
	Qt	iP		15	06.0d
		eS		24	34.4
5	Qt	eP	11	36	48.2
5	Qt	eP	11	40	52.1
5	Qt	eP	13	39	22.4

5	Qt	eP	14	13	55.2
5	Qt	eP	14	50	25.8
	Wr	P			44
5	Ch	P	14	51	12
	Qt	eP		53	19.0
5	Qt	eP	16	40	03.0
		iX		43	23.6
5	Qt	eP	17	00	31.2
5	Qt	eP	17	27	51.2
5	Ch	P	18	10	13
	Wr	P			29
	Qt	iP		11	01.6c
		eS		20	59.3

MH 2.9
 Δ = 79.6
H = 17:58:56
Mag = 5.9(Qt)

5	Qt	eP	19	55	44.4
5	Qt	eP	21	19	10.0
5	Qt	eP	21	42	57.6
5	Qt	eP	21	42	57.6
5	Qt	iP	23	29	30.2d
5	Qt	eP	23	40	57.5
		iX		41	08.5
6	Qt	eP	04	07	00.0
		eS		08	21.4
6	Qt	eP	04	25	51.5
6	Qt	eP	06	04	40.0
6	Qt	eP	06	17	52.5
6	Qt	eP	06	34	31.8
6	Ch	P	08	30	31
	Qt	iP		31	19.5c
6	Qt	eP	11	30	49.3d
6	Qt	eP	13	14	10.8
6	Qt	iP	13	53	08.2c
		e(S)		03	00.0
6	Qt	eP	14	47	47.0d
6	Qt	eP	16	20	52.3
6	Qt	eP	17	22	10.6
6	Qt	eP	18	37	32.0
6	Qt	eP	18	51	51.5
6	Ch	P	20	29	42
		S		34	21
	Qt	eP		32	46.1
		eS		39	56.0
				<u>Mu</u>	<u>Sec</u>
				MH	7.9
				Δ	= 51.5
				Mag	= 5.8(Qt)

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. "2" QUETTA

PAKISTAN

No. 55-9(2)/63/

Quetta, the 5 April 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 24th March '65 to 31st March '1965.

Additional.
March '65

16.	Kr	eP	16	56	47.7
19.	Ch	eP	12	01	24
19.	Ch	iP	16	27	54c
	Kr	eP		30	39.3
21.	Ch	eP	11	16	01

Continuation
March '65

24	Qt	ePKP	00	13	00.0
24	Qt	eP	01	09	23.0c
		eS		10	25.0
	Wr	P			24.0
H: 01 08 02.7 25.ON, 67.9E West Pakistan Felt in Jangshahi and Hyderabad					
24	Qt	eP	01	41	52.6
		iX		44	18.2
24	Qt	eP	07	20	32.6
24	Qt	eP	08	20	52.1
		iX		24	06.0
		Mu			Sec
		MH	6.8		20
24	Qt	eP	10	25	24.1
		iX		26	43.0
24	Qt	eP	11	29	28.4
24	Qt	eP	18	42	42.6c
24	Wr	P	19	44	58
	Qt	eP		45	05.3
		iX			47.6
24	Qt	eP	21	14	15.0c
24	Wr	P	22	51	49
	Qt	eP		52	10.2
		eS	23	00	19.0
		Mu			Sec
		MH	3.0		20
		△	60°		0
		Mag :-	5.7		(Qt)
25	Qt	eP	05	32	58.2
25	Wr	P	09	04	24
	Qt	eP			56.7c
		eS		14	22.0
		Mu			Sec
		MH	2.4		20
		△	73°		5
		Mag :-	5.8		(Qt)

March '65

25	Qt	eP	09	41	40.4c
25	Wr	P	11	07	00
		S			40
	Qt	eP		08	02.4
		eS		09	30.5
25	Qt	eP	14	42	17.2
25	Qt	eP	17	07	25.4
25	Wr	eP	18	45	31
	Qt	eP			45.6
25	Qt	eP	18	57	11.0
25	Qt	eP	19	57	35.5
		iX			44.0
25	Qt	eP	20	55	52.6
25	Qt	eP	21	10	54.0
		eS		12	11.1
25	Qt	eP	22	33	37.0d
26	Qt	iP	00	38	45.6d
		eX		40	18.4
26	Qt	eP	02	30	45.6
26	Qt	eP	10	05	41.3d
		eS		06	57.5
	Wr	P			31
		S		08	23
26	Qt	eP	12	29	56.4
26	Qt	eP	16	24	38.3c
26	Qt	eP	16	31	36.0
26	Qt	eP	19	49	17.7
26	Qt	eP	20	35	28.5
	Wr	P			49
26	Qt	eP	20	41	56.5
26	Wr	eP	21	45	09
	Qt	eP			42.3d
26	Qt	eP	23	09	28.6
26	Wr	P	23	13	29
	Qt	eP		14	07.0
27	Qt	eP	03	31	52.5
27	Qt	eP	19	28	30.7
27	Qt	eP	20	50	36.0
27	Qt	eP	22	36	12.6
28	Qt	iP	00	07	37.4c
28	Qt	iP	00	14	30.0c
28	Qt	eP	01	25	33.0
		eS		26	58.4
28	Qt	eP	03	12	09.2d
28	Qt	eP	04	13	04.2d
28	Qt	eP	08	50	36.4
28	Qt	eP	10	19	20.6
	Wr	P			28

March '65

28	Wr	P	13	33	23
	Lh	P			26
	Qt	eP			57.4
		ePP		34	09.5
		ePeP			24.4
		eS		42	55.0
		ePKPPKP	14	02	11.0
				Mu	Sec
				MH	10.2
				Δ	68° 5
				Mag:-	6.1(Qt)
28	Qt	ePKP	16	52	44.0
		ePP		56	01.6
		ePPP		59	13.5
	Wr	PKP		52	54
	Lh	PKP			57
	Ch	PKP		53	11
	Wr	P	17	15	11
		S			42
	Qt	eP		16	07.0
28	Qt	eP	22	29	02.0
29	Wr	P	00	16	44
	Qt	eP		17	09.3
29	Qt	eP	01	48	18.5
		eS		49	30.4
29	Qt	eP	03	45	15.6
29	Qt	eP	05	02	58.0
29	Qt	eP	10	40	56.8
29	Lh	P	10	57	07
		S	11	04	48
	Wr	P	10	57	12
		S	11	04	43
	Qt	eP	10	57	49.2c
		eS	11	06	00.0
		ePKPPKP		27	21.0
				Mu	Sec
		PZ	0.3		0.8
		MH	42.9		20
		Δ	60° 4		
		Mag:-			6.5(Qt)
29	Wr	P	14	43	45
	Lh	P			45.
	Qt	iP		44	32.9c
		eS		54	21.0
				Mu	Sec
		MH	5.7		20
		Δ	77° 4		
		Mag:-			6.1(Qt)
29	Qt	eP	15	24	08.6
29	Qt	eP	19	09	44.0
29	Qt	eP	23	42	13.5
30	Qt	eP	00	16	06.4c
30	Qt	eP	00	39	59.0d*
30	Lh	eP	02	38	42
	Qt	iP		39	09.4d
		eS		49	13.2
				Mu	Sec
		PZ	0.3		1.5
		Mag:-			6.3(Qt)
30	Wr	P	03	36	55
	Qt	eP		37	03 ±
30	Qt	eP	04	44	53.5
30	Qt	eP	05	08	23.5
30	Qt	eP	05	25	27.8
30	Qt	eP	05	27	34.6

* 02 05 00.0

March '65

30	Qt	eP	05	44	14.4
30	Qt	eP	06	37	04.9
30	Qt	eP	07	07	16.3
30	Qt	eP	07	22	57.0
30	Qt	eP	07	33	16.5
30	Qt	eP	07	52	40.6
30	Qt	eP	08	13	32.0
30	Qt	eP	09	17	15.8
30	Qt	eP	10	38	20.2d
30	Qt	eP	11	54	19.6
30	Ch	P	12	17	35
	Wr	P	12	19	05
	Qt	eP			39.2
		eS		27	05.0
30	Qt	eP	12	50	12.9
30	Qt	eP	13	49	03.2
30	Qt	eP	13	58	31.0
30	Qt	eP	15	10	13.5
30	Qt	eP	16	09	44.3
		eS		18	24.0
30	Qt	eP	16	21	35.0
30	Qt	eP	16	22	50.4
30	Qt	eP	16	44	26.5
30	Qt	eP	17	15	30.5
		iS		16	56.2
30	Qt	eP	17	52	02.2
30	Qt	eP	18	21	29.5
30	Wr	P	19	11	57
	Qt	eP		12	31.1d
30	Qt	eP	19	26	44.4d
30	Qt	eP	19	51	15.0d
30	Qt	eP	20	21	36.0c
30	Qt	eP	21	29	18.2d
30	Wr	P	22	32	47
	Qt	eP		33	34.0
				35	20.0
		iX		36	23.5
31	Qt	eP	00	09	36.0
				11	04.0
31	Qt	eP	00	45	31.2
31	Qt	eP	01	57	17.6
		eS		59	03.3
31	Qt	eP	02	41	45.5
31	Qt	eP	04	41	16.7
31	Qt	eP	06	38	29.4
31	Qt	eP	08	33	27.0
31	Qt	eP	09	54	36.8 c
		eS		00	24.0
				Mu	Sec
		MH	57.8		20
		Δ	37° 7		
	Wr	P	09	54	54
	Lh	P		55	21
		S	10	01	37
	Ch	P	09	57	34
		S	10	05	47
		Mag =			6.4(Qt)
31	Qt	eP	10	44	53.2
	QUE	eS		47	03.0
31	Qt	eP	10	58	14.4d
31	Qt	eP	13	35	30.4d
31	Qt	eP	15	32	09.8d

March 1965.

31	Qt	eP	16	01	06.2
31	Qt	eP	16	06	35.0
31	Qt	eP	17	21	14.1c
31	Qt	eP	17	27	04.0
31	Qt	eP	19	19	40.9
31	Qt	eP	19	50	08.2

March 1965

31	Qt	eP	20	00	36.7
31	Qt	eP	21	25	35.1
31	Qt	eP	21	34	57.3
31	Qt	eP	22	44	35.2

(ABDUL QADIR KHAN)
for
DIRECTOR,
METEOROLOGICAL SERVICE.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. "2" QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the _____ April 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Station from 1st April to 8th April 1965

Additional
March '65

26	Lh	eP	10	06	47.2
26	Wr	eP	19	49	02.8
27	Ch	eP	20	47	22
28	Lh	eP	00	07	01.0
	Wr	eP			23.8
28	Wr	eP	00	14	16.1
28	Lh	eP	10	19	37.8
29	Lh	eP	00	16	30.4
29	Wr	eP	01	47	18.2
		eS			50.9
29	Ch	eP	10	56	06
30	Ch	eP	02	38	20
	Wr	eP			36.3
30	Ch	eP	16	08	00
	Lh	eP		09	00.8
	Wr	eP			07.9
30	Lh	eP	17	15	10.5
30	Ch	eP	19	11	27
31	Wr	eP	01	56	24.3
31	Wr	eP	10	44	13.0
31	Wr	eP	10	57	43.2
31	Wr	eP	20	00	06.3
31	Wr	eP	21	25	05.3

Continuation
April '65

1	Qt	eP	00	00	28.5
1	Qt	eP	00	33	46.2
1	Qt	eP	01	17	14.7
1	Qt	eP	07	18	26.2d
1	Qt	eP	13	26	32.6
1	Qt	eP	13	29	06.3
1	Qt	eP	13	38	02.0d
1	Qt	eP	13	43	42.9
1	Qt	eP	17	32	32.8c
		eS		33	51.2
1	Qt	ePKP	21	40	39.4
		iX		41	23.2
1	Qt	eP	22	30	01.6
1	Qt	eP	22	35	12.4d
2	Qt	eP	00	09	51.8
		eS		10	25.7

April '65

2	Qt	eP	01	55	22.5
		e(S)		57	24.0
* 2	Qt	eP	08	54	41.7
2	Qt	eP	10	55	06.2
		iX			10.7
		iX			29.5
		e(S)		56	52.0
2	Wr	P	13	13	12
	Qt	eP			34.0
2	Qt	eP	15	43	42.7
		iX		44	24.4
2	Qt	eP	16	02	12.5d
2	Qt	eP	16	21	31.2
2	Qt	eP	16	40	24.5d
2	Qt	eP	17	31	17.4
2	Qt	eP	19	07	12.0
2	Qt	eP	19	50	08.5
		eS		51	27.2
2	Wr	P	21	30	46
	Qt	eP		31	52.3
2	Qt	eP	22	09	04.1d
2	Qt	eP	22	28	23.0
		eX			51.0
		eS		29	36.1
	Lh	P		28	52
2	Qt	eP	22	47	46.5
		eS		49	07.7
3	Qt	eP	02	49	50.7
3	Qt	eP	03	06	17.5
3	Qt	eP	03	57	02.6
		eS		58	43.9
3	Qt	eP	06	01	42.2
3	Qt	ePKP	11	39	58.5
		ePP		42	16.0
		ePKS		43	27.0
3	Qt	ePKP	11	48	24.1
		ePP		50	46.0
		ePKS		51	53.0
3	Qt	eP	14	38	12.2
* 3	Qt	eP	18	50	38.1*
3	Qt	eP	20	32	53.3
		eS		34	08.2
3	Qt	eP	23	00	34.4d

* Qt eP 08 58 07.5

* N_o

* Qt eP 20 08 33.2

April '65

4	Wr	P	08	08	13
	Qt	eP		09	18.7
		eS		10	47.7
4	Wr	P	10	07	13
		S			42
	Qt	eP		08	17.5
		eS		09	37.3
4	Qt	eP	11	11	33.5
4	Qt	eP	11	49	19.7c
4	Wr	P	12	04	09
	Qt	eP		05	14.0
		e(S)		07	30.3
4	Wr	P	13	41	57
	Qt	eP		42	30.1
		ePP		45	32.2
		eS		52	19.0
		Mu			Sec
		MH		10.0	20
		Δ		= 77° .9	
		Mag		:- 6.3(Qt)	
4	Qt	eP	15	55	12.1d
4	Qt	eP	16	00	46.5
4	Qt	eP	16	11	47.7
4	Qt	eP	16	29	06.2
4	Qt	eP	16	51	45.7
4	Wr	P	18	13	40
	Qt	eP		14	45.0
4	Qt	eP	20	28	41.0
		iX			53.0
		iX		29	32.6
		iX		31	41.5
	Wr	P		28	56
4	Qt	eP	21	16	52.7
5	Qt	eP	03	20	08.9
		eS		25	58.9
		Mu			Sec
		MH		21.4	20
		Δ		= 38° .1	
	Wr	P	03	20	25
		Mag		:- 6.2(Qt)	
5	Qt	eP	03	49	56.3
5	Qt	eP	06	34	07.3
		iX			11.5
5	Qt	eP	10	19	04.9
5	Wr	P	14	02	15.
5	Qt	eP			51.2
		eS		11	35.0
		Mu			Sec
		MH		6.2	20
		Δ		= 65° .9	
		Mag		:- 6.0(Qt)	
5	Qt	eP	16	02	16.0
5	Wr	P			46
5	Qt	eP	17	07	31.5
5	Qt	eP	17	58	33.0c
5	Qt	eP	18	00	58.5
		eS		02	15.0
5	Qt	eP	18	15	55.0
5	Qt	eP	19	48	32.5
		eS		49	50.6
5	Qt	eP	21	20	46.8
5	Qt	eP	21	28	11.2
6	Qt	eP	03	30	47.6
6	Lh	P	05	41	16
					38
	Qt	eP		42	00.6c
		eS		50	16.0
6	Qt	eP	08	20	41.0

April '65.

6	Wr	P	09	52	13
	Qt	eP			25.0d
		eS	10	00	32.0
		Mu			Sec
		MH		12.6	20
		Δ		= 59° .8	
		Mag		:- 6.2(Qt)	
6	Qt	eP	12	46	44.0
6	Wr	P	13	30	38
	Qt	eP		31	09.4c
6	Qt	eP	13	42	50.2d
6	Qt	eP	14	29	06.2
		iX			14.8
6	Qt	eP	19	41	05.3
6	Qt	eP	20	23	48.7
6	Qt	eP	21	24	12.0
6	Qt	eP	22	01	00.7
6	Wr	P	23	14	46
		S		15	16
	Qt	eP			42.5
		eS		16	59.1
6	Qt	eP	23	25	42.7
7	Qt	eP	06	31	29.3c
		e(S)			53.0
	Wr	P		32	00
7	Qt	eP	10	05	31.3d
		eS		06	52.4
7	Qt	eP	18	06	48.4d
7	Qt	eP	19	24	52.9d
8	Qt	eP	02	10	00.2
8	Qt	eP	02	50	11.1
		eS			44.0
					43
8	Wr	P	05	04	08
	Qt	eP			09.5
8	Qt	eP	06	40	30.5
8	Qt	iP	13	09	15.0d
		iX		10	44.4
		iX		11	58.1
8	Wr	P	13	55	03
	Lh	P			06
		S	14	04	22
	Qt	iP	13	55	36.4c
		ePP		58	33.0
		eS	14	05	21.0
		Mu			Sec
		MH		17.0	20
		Δ		= 77° .0	
		Mag		:- 6.4(Qt)	
8	Wr	P	14	42	43
	Qt	eP			57.2c
8	Qt	eP	15	01	13.2
		iX			37.7
8	Qt	eP	15	56	12.2d
8	Qt	eP	17	17	58.5
8	Qt	eP	19	10	54.4

(ABDUL QADIR KHAN)
for
DIRECTOR,
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GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. 2, QUETTA

P A K I S T A N

No. 53-9(2)/65/

Quetta, the _____ April 1965.

Qc-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong
 Kr - Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 9-4-1965 to 15th April '65

Additional
April, 1965

2	Ch	eP	13	10	26
3	Lh	eP	03	56	23.8
4	Lh	eP	08	09	53.6
4	Lh	eP	10	08	51.6
4	Ch	eP	13	41	42
4	Lh	eP		42	06.6
4	Lh	eS		51	19.0
4	Lh	eP	20	28	56.5
5	Lh	eP	03	20	54.0
5	Ch	eP	03	23	06
(5)	Lh	eP	14	02	12.7
6	Ch	eP	05	39	59
6	Ch	iP	09	49	26 d
	Lh	eP		51	48.5
6	Lh	eP	23	15	25.5
7	Lh	eP	06	32	21.0
		eS		33	13.0
7	Lh	eP	19	24	17.0
8	Ch	eP	13	54	47
		eS	14	03	40

Continuation:

April, 1965

9	Wr	P	01	16	18
		S		17	07
	Qt	iP			25.2c
		eS		19	07.5
9	Qt	eP	03	14	48.2
9	Qt	eP	06	00	42.4
9	Wr	PKP	11	04	20
	Qt	ePKP			25.6c
9	Qt	eP	13	27	42.5c
9	Qt	eP	14	41	51.0d
9	Qt	eP	15	19	15.5
9	Qt	eP	15	53	00.6
9	Qt	eP	17	46	28.4
9	Qt	eP	18	40	03.3
9	Qt	eP	22	48	39.9
9	Wr	P	23	03	36
	Qt	eP			50.5
		eS		13	16.0

April 1965

9	Qt	eP	23	11	30.0
9	Wr	P	23	58	28
	Qt	eP			40.2
10	Qt	eP	00	04	01.0d
		iS		09	36.8
	Wr	P		04	23
	Lh	P			47
		S		11	00
10	Qt	eP	00	25	05.7
10	Qt	eP	01	34	14.6d
10	Qt	eP	07	54	26.0
10	Qt	eP	08	56	26.1
10	Lh	P	14	12	54
		S		14	01
	Qt	eP		13	30.5
		eS		15	12.0
10	Qt	eP	15	05	50.6
10	Qt	eP	17	06	34.1
		e(S)		16	00
10	Qt	eP	17	14	56.0
10	Qt	eP	18	25	25.7
		eS		26	58.0
10	Qt	eP	20	02	20.9
10	Qt	eP	20	41	22.3
		e(S)		43	49.0
10	Qt	eP	21	57	06.0
10	Qt	iP	22	50	36.5c
		eS		59	09.0
10	Qt	eP	23	10	22.5
11	Qt	ePKP	00	30	03.4
11	Qt	eP	00	40	05.0
11	Qt	eP	01	58	52.5
		eX		59	05.1
		eX	02	03	00.2
11	Qt	eP	10	42	14.1
		e(S)		44	16.7
11	Qt	eP	10	44	41.2
11	Qt	eP	13	54	51.0
11	Qt	eP	14	34	19.5
11	Qt	eP	17	22	40.4
11	Qt	eP	19	09	26.5
		iX		11	40.9
11	Qt	eP	19	19	34.5
11	Qt	eP	22	38	03.8
		iX		42	10.6

April 1965

April 1965

12	Qt	eP	04	48	47.2
12	Qt	eP	04	55	44.5
12	Qt	eP	09	10	16.1
12	Qt	eP	09	24	25.2
12	Qt	eP	09	25	33.5
		eS		26	52.0
12	Qt	eI	11	28	34.0
		e(S)		30	36.5
12	Qt	eP	15	32	16.2
12	Qt	iP	16	00	20.0
12	Qt	eP	19	00	20.0
		eX		59	20.1
12	Qt	ePKP	20	44	58.3
12	Qt	iP	20	50	48.6
		iS		58	32.2
				<u>Mu</u>	<u>Sec</u>
				Pz = 0.1	0.6
				$\Delta = 55^{\circ}.9$	
				Mag = 6.0 (Qt)	
12	Qt	eP	21	32	16.8
		eS		33	55.4
12	Qt	eP	21	46	58.7
13	Qt	iP	00	06	30.6
		eS		07	49.2
14	Qt	eP	04	23	52.0
14	Qt	eP	07	48	36.0

14	Qt	eP	10	17	20.0
14	Qt	eP	11	06	07.0
14	Qt	eP	12	08	22.0
14	Qt	eP	12	35	45.0
14	Qt	eP	13	02	48.0
14	Qt	eP	14	08	22.0
14	Qt	eP	17	59	45.0
14	Qt	eP	21	35	32.0
14	Qt	eP	22	15	24.0
14	Qt	eP	22	38	25.0
		eS		40	37.5
15	Qt	eP	03	38	39.0
15	Qt	eP	05	18	23.0
		i X		19	43.5
15	Qt	eP	08	03	22.5
15	Qt	eP	17	09	54.0
15	Qt	eP	19	58	10.5
15	Qt	eP	22	22	50.9
		e(S)		33	22.0
				<u>Mu</u>	<u>Sec</u>
				MH 3.7	20
				Mag = 6.0 (Qt)	
15	Qt	eP	23	58	52.9

(ABDUL QADIR KHAN)
for
DIRECTOR,
METEOROLOGICAL SERVICE

* Qt 22ep 20 02 16.40

April '65

21	Qt	eP	06	40	04.6
21	Qt	eP	10	20	32.2
21	Qt	eP	10	49	38.3
21	Qt	eP	14	59	28.9
21	Qr	eP	19	20	47.4
		e(S)		22	31.3
21	Qt	eP	21	36	46.3
21	Qt	eP	23	02	54.3
22	Qt	eP	01	27	26.9
22	Qt	eP	06	38	10.4
		iX			16.6
		eS		39	52.2

April '65

22	Qt	iP	18	47	55.5c
*		e(S)		57	44.9
22	Qt	eP	21	55	15.1*
22	Qt	eP	22	33	24.2
23	Qt	eP	05	08	16.5
		eX		11	03.3
23	Qt	iP	09	05	22.2d
		eS		06	37.4

$\frac{Mu}{PZ} = \frac{0.08}{6^{0.6}}$ $\frac{Sec}{0.8}$
 Mag :- 5.0(Qt)

(Abdul Qadir Khan)
 for
 DIRECTOR,
 Meteorological Service,

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. 2, QUETTA

PAKISTAN

No:SS-9(2)/63/

Quetta, the May 1965.

Qt - Quetta, Lh - Lahore, Wr - Warsak, Ch - Chittagong, Kr - Karachi.

x-Identified Phase, c-Compression, D-Dilatation.

Provisional Readings at Seismological Stations from 24th April to 30th April 1965.

		April '65		ADDITIONAL		
	16	Lh	iP	23	34	01.5
	17	Lh	eX	19	57	21.6
	18	Lh	ePL	03	15	51.0
	18	Lh	eX	09	58	11.4
	19	Lh	eP	20	56	03.6
			eS		57	07.8
	20	Lh	eP	17	26	14.6
	22	Lh	eP	18	47	26.5
	23	Lh	e(P)	09	05	19.5

Continuation
April 1965

24	Qt	eP	00	23	29.5
		eX		24	15.0
24	Qt	eP	00	32	42.5
		eS		34	26.5
24	Qt	eP	02	56	14.2
24	Qt	eP	03	16	00.2
24	Qt	eP	03	21	56.2
24	Qt	eP	05	11	35.4d
		eS			39.0
Dilatation from N-E in Takatu Range.					
Felt: Quetta					
24	Ch	P	08	08	13
	Lh	P		10	30
	Qt	eP		11	19.2d
24	Qt	eP	08	42	40.7
		eS		44	00.0
24	Qt	eP	10	33	22.8
24	Qt	eP	13	20	23.4
24	Qt	eP	20	03	22.2
		e(S)		04	43.0
24	Qt	eP	20	24	20.1
24	Lh	P	22	05	53
	Qt	iP		06	33.1
		ePP		09	12.0
		eS		15	42.0
24	Qt	eP	23	10	41.5
25	Qt	eP	00	08	13.7
25	Qt	eP	00	16	01.5
25	Qt	eP	00	44	17.0
25	Qt	eP	01	11	02.0c
		ePP		13	36.2
		eS		19	52.0

April 1965

25	Qt	eP	01	39	39.7
25	Qt	eP	01	55	29.1
25	Qt	eP	02	29	24.4
		eS		30	41.0
25	Qt	eP	03	04	38.5
25	Qt	eP	04	49	56.9
		eS		51	13.5
25	Qt	eP	05	45	01.0
25	Qt	eP	07	05	29.2
25	Qt	eP	08	51	24.1c
25	Qt	eP	09	24	54.0
25	Qt	eP	10	09	56.5d
25	Qt	eP	14	16	27.0
25	Qt	eP	14	42	27.1
25	Qt	eP	15	19	55.8
25	Qt	eP	15	44	24.0
25	Qt	eP	16	43	04.0
25	Qt	eP	19	31	41.0
25	Qt	eP	21	27	48.5c
25	Qt	eP	21	38	07.0
25	Lh	P	22	06	41
	Qt	eP			51.4
		eS		08	09.4
25	Qt	eP	23	51	04.2
		eS		52	24.8
26	Qt	eP	00	41	26.9
26	Qt	eP	02	10	04.5
		iX			16.1
		eS		20	48.0
26	Qt	eP	02	50	16.2
		eX		51	53.5
26	Qt	iP	03	26	11.8d
		eS		27	28.0
26	Qt	eP	09	35	41.8
		eS		36	58.5

MATCHAY - 2 -
 WINTER AND LASTING FROM WATERMAN

April 1965

26	Wr	P	09	57	51
	Qt	eP		58	06.0d
		eS	10	06	47.0
		ePKPPKP		26	55.0
26	Lh	P	13	32	54
	Wr	P		33	25
	Qt	eP			32.6
		e(S)		38	47.0
26	Qt	eP	14	39	31.4e
	Wr	P		40	00.0
26	Qt	eP	14	51	10.0
26	Qt	eP	18	19	44.6d
26	Qt	eP	19	24	06.2d
26	Lh	P	19	33	38
	Wr	P		34	01
	Qt	iP			15.2d
26	Wr	P	20	41	15
	Lh	P			21
	Qt	eP			42.5
		e(S)		52	06.0
26	Qt	eP	21	48	42.5
26	Qt	eP	22	07	44.0
26	Ch	P	22	21	13
	Lh	P		23	37
	Wr	P		24	00
	Qt	eP			28.3
		eS		31	31.0

Mu Sec

MH 21.8 20
 $\Delta = 49^{\circ}.3$
 Mag = 6.2(Qt)

26	Qt	eP	22	46	09.8
26	Qt	eP	23	10	18.0e
26	Qt	eP	23	46	20.2
27	Qt	eP	00	42	43.5
27	Wr	P	00	54	28
	Qt	eP		55	42.5
		eS		57	20.0
27	Qt	eP	01	35	16.7
		eS		36	59.0
27	Qt	eP	01	45	09.8
		eS		46	46.5
27	Ch	P	11	02	57.2
	Wr	P		05	25
	Qt	eP			36.9e
		eS		14	38.0
27	Qt	eP	14	16	10.2d
		ePP		17	36.0
		eS		21	53.0
	Wr	P		16	31
	Ch	P		19	12
27	Qt	eP	15	28	02.5
27	Qt	eP	16	45	39.7
		eS		46	59.2
27	Qt	eP	20	35	29.0
28	Qt	eP	01	37	56.0
28	Qt	eP	10	45	43.1
28	Wr	P	12	15	59
	Qt	eP		16	31.5
28	Qt	eP	14	37	47.2
28	Qt	eP	14	59	20.1
28	Qt	eP	16	43	05.0

April 1965

28	Qt	eP	17	01	08.4
28	Qt	eP	17	21	00.0
28	Qt	ePKP	20	28	43.5
28	Qt	eP	20	36	03.6
28	Qt	eP	20	59	54.7
28	Wr	P	23	04	22
	Qt	eP			35.0
29	Qt	eP	02	12	44.5
29	Qt	eP	07	26	13.0
29	Qt	eP	11	30	42.2d
29	Qt	eP	11	47	11.0
29	Qt	eP	12	33	25.3
29	Qt	eP	14	16	20.3
29	Wr	P	15	42	14
	Lh	P			24
	Qt	eP			35.0
		ePP		46	24.5
		ePKP		53	02.0
		eS			37.0

Mu Sec

MH 24.5 20
 $\Delta = 93^{\circ}.3$
 Mag = 6.5(Qt)

29	Lh	P	15	57	08
	Wr	P			34
	Qt	eP			38.2
		eS		16	04
29	Qt	eP	17	44	23.4
29	Qt	eP	22	51	05.0
30	Qt	eP	07	18	49.0
30	Qt	eP	10	19	37.0
30	Wr	P	11	52	04
	Qt	eP			56.4
		eS		54	14.0
30	Qt	eP	16	12	49.9
30	Wr	P	19	17	30
	Qt	eP		18	28.5
		eS		19	47.5
30	Wr	P	19	40	10
	Qt	eP			42.5

(ABDUL QADIR KHAN)
 for
 DIRECTOR,
 METEOROLOGICAL SERVICE

** 27 Qt eP 15 00 29.7d.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO."2"QUETTA

PAKISTAN

No.SS-9(2)/63/

Quetta, the 11th May 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi

x-Unidentified Phase, c-Compression, D-Dilatation.

Provisional Readings at Seismological Stations from 1st May '65 to 8th May, 1965.

			<u>Additional</u>			
			<u>April '65</u>			
			24	Lh	eP	20 04 06.7
			25	Lh	eP	01 10 19.5
			25	Lh	eP	02 29 10.0
			26	Lh	eP	03 25 58.5
			26	Lh	eP	09 57 34.0
			26	Ch	iP	20 41 18c
			26	Wr	eP	23 09 47
				Lh	eP	49
			27	Lh	eP	11 05 03.8
			27	Lh	eP	14 16 57.2
			28	Lh	eP	20 28 20.7
			28	Wr	eP	20 36 09.8
			29	Wr	iP	11 30 17.0d
			30	Lh	eP	19 18 11.4

Continuation
May '1965

1	Qt	eP	01	35	36.6
1	Wr	P	02	10	17
	Qt	eP			43.5
1	Qt	eP	02	25	55.0
1	Qt	eP	04	21	46.2c
		eS		30	23.5
1	Qt	eP	05	12	59.2c
1	Qt	eP	12	37	53.5
1	Qt	iP	13	14	16.2 d
		eS		23	41.0
1	Qt	eP	15	48	14.7
1	Qt	eP	19	18	13.8
1	Qt	eP	20	13	16.5
1	Qt	eP	21	40	33.0
		ePP		43	48.0
		eS		51	02.0
1	Qt	eP	23	52	17.5
2	Qt	eP	00	13	49.5c
2	Qt	eP	00	45	17.7
2	Qt	eP	02	53	26.5
2	Wr	P	07	22	22
	Qt	eP		23	01.0

May '1965

3	Qt	eP	03	03	19.0
3	Qt	eP	04	09	57.2
3	Qt	ePKP	10	20	50.0
	Wr	ePKP			56
3	Qt	eP	12	56	43.0
3	Qt	eP	15	21	46.0
3	Qt	eP	16	28	17.5
		iX		31	19.2
	Wr	P		28	29
3	Qt	eP	17	52	51.0 c
4	Wr	P	00	09	00
	Qt	eP			03.2
4	Qt	eP	02	13	53.0
4	Qt	eP	02	31	43.6
4	Qt	eP	04	35	16.7
4	Qt	eP	05	01	27.7
4	Qt	eP	05	15	27.6
4	Qt	eP	05	27	58
4	Wr	P	08	37	06
	Lh	P			21
		S		39	22
	Qt	eP		38	16.0
		eS		41	01.0

H-08 34 46
 41°.8N, 78°.8E
 Kinghizia U.S.S.R.
 depth about 40 km.

May' 1965

4	Qt	eP	09	26	37.5
		eS		28	22.8
4	Qt	eP	22	48	58.0
4	Wr	P	22	58	05
		S			31
	Qt	eP		59	03.6
		eS	23	00	15.1
4	Qt	eP	23	53	44.1
		eS		55	03.0
5	Qt	eP	01	24	37.0
5	Qt	eP	06	33	33.7
5	Qt	eP	17	09	49.0
5	Qt	eP	17	54	30.5
5	Qt	eP	18	10	28.0
5	Qt	eP	21	44	25.5
5	Qt	eP	22	05	00.0
5	Qt	iP	23	13	46.5 c
5	Qt	eP	23	34	56.0
6	Qt	iP	13	54	50.0 d
		eS			58.2
Dialation from South West					
6	Qt	eP	14	20	24.5
		eS		22	09.2
6	Qt	eP	14	36	39.9
6	Qt	iP	23	47	33.0 d

May' 1965

7	Qt	eP	00	42	29.5
		eX		45	37.2-
7	Qt	eP	01	05	53.6
		e(S)		08	50.5
7	Qt	eP	07	40	45.2
7	Qt	eP	13	20	58.4 d
7	Qt	eP	14	35	32.4
		iX		37	50.0
7	Qt	ePKP	16	02	22.0
7	Qt	ePKP	16	15	29.0
7	Qt	eP	17	11	11.0
8	Qt	ePKP	00	15	31.6
8	Qt	eP	03	14	27.1
8	Qt	eP	05	24	23.2
8	Qt	eP	11	52	27.0
		iX			40.1
		iX		55	53.0
8	Qt	eP	19	21	18.8
8	Qt	eP	23	07	04.5

(Abdul Qadir Khan)
for
DIRECTOR,
Meteorological Service.

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. 2, QUETTA

P A K I S T A N

No. SS-9(2)/63/

Quetta, the _____ May 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak
Ch-Chittagong Kr-Karachi

x-Unidentified Phase,
c-Compression, d-Dilatation

Provisional Readings at Seismological Stations from 9th May 1965 to 15th May, 1965

Additional
May 1965

1	Wr	eP	04	21	12.4
1	Wr	eP	12	36	46.4
1	Wr	eP	13	13	51.0
1	Wr	eP	21	40	05.8
2	Wr	eP	00	13	16.4
2	Wr	eP	00	44	44.5
4	Wr	eP	02	13	40.6
5	Wr	eP	23	13	13.5
5	Wr	eP	23	34	32.1
7	Wr	eP	14	34	53.1

Continuation:

May 1965						May 1965						May 1965						
9	Qt	eP	04	14	21.2	12	Ch	P	10	42	06	13	Qt	eP	22	44	06.0	
9	Wr	P	09	43	45		Lh	P		44	13			eS		45	56.2	
		S		44	11			S		52	44	14	Qt	eP	06	57	01.1c	
	Qt	eP			47.0		Wr	P		44	34	14	Qt	iP	09	58	10.5d	
		eS		45	59.2		Qt	eP			47.0	14	Qt	eP	14	10	23.7	
								eS			53	47.1			eS		11	43.7
9	Wr	P	13	44	08	12	Qt	eP	11	48	25.8	14	Qt	eP	17	02	20.3d	
	Qt	eP			24.6	12	Qt	eP	19	54	24.5	14	Qt	eP	17	41	14.0	
9	Qt	eP	16	22	16.4			iX			34.2			iX			32.3	
9	Qt	eP	22	39	43.5	12	Qt	eP	23	40	28.6	14	Qt	eP	21	20	27.6	
10	Qt	eP	00	12	05.5			eS		41	45.4	14	Qt	eP	23	46	14.5	
10	Qt	eP	21	59	41.0	13	Wr	P	01	00	37	14	Qt	eP	23	55	55.2	
		eS		22	00	57.2			S		01	27						
11	Qt	eP	01	22	41.0		Qt	eP			48.9	15	Qt	eP	00	10	59.3	
11	Qt	eP	05	48	19.0			eS		03	25.5							
11	Qt	eP	06	44	47.1	13	Qt	eP	02	41	37.6	15	Qt	eP	18	47	21.0	
11	Qt	eP	14	45	24.5	13	Qt	eP	02	44	12.4	15	Qt	eP	20	08	01.5	
		iX			38.0	13	Lh	P	04	32	08	15	Qt	eP	20	50	12.2	
11	Qt	eP	17	50	04.9			S		33	12	15	Qt	eP	20	50	12.2	
12	Qt	eP	00	38	01.6		Qt	eP		32	32.8	15	Qt	eP	21	13	05.2	
12	Qt	eP	08	06	08.2			eS		33	57.0	15	Qt	eP	22	54	52.8	
		e(S)		08	06.5	13	Lh	P	10	52	40			eS		51	29.4	
12	Wr	P	08	17	20		Qt	eP		53	57.1	15	Qt	eP	21	13	05.2	
	Qt	eP			35.2			e(S)		57	24.1	15	Qt	eP	22	54	52.8	
		eS		27	10.0	13	Qt	eP	15	20	25.7							
12	Qt	eP	08	59	23.1	13	Qt	eP	16	33	22.5							
								e(S)		34	23.9							
						13	Qt	eP	19	32	47.2							

(Abdul Qadir Khan)
for Director,
Meteorological Service.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. "2"
 QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the _____ May 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 16th May 1965 to 23rd May 1965

Additional May 1965						May 1965						May 1965					
10	Wr	eP	21	58	45.4	17	Qt	eP	18	24	36.9	20	Qt	eP	13	48	51.4
11	Wr	eP	14	44	52.8	17	Qt	eP	20	32	43.5	20	Qt	eP	14	08	33.7
11	Wr	eP	17	49	37.7			iX		35	21.5	20	Wr	P	14	14	35
	Lh	eP			47.0	17	Qt	eP	21	35	23.2	Qt	eP				37.2
12	Wr	eP	08	05	18.1	17	Qt	eP	22	20	35.0	20	Qt	eP	20	56	16.6
13	Wr	eP	02	44	21.5			eS		21	56.1	21	Qt	eP	04	44	48.1
13	Lh	eP	19	32	02.0	18	Qt	eP	00	08	05.8	21	Qt	iP	05	01	46.6d
15	Wr	eP	18	47	34.0	18	Qt	iP	01	13	11.2d	Qt	e(S)		03	04.1	
15	Wr	eP	20	49	17.0	17	Wr	P	08	14	43	21	Qt	eP	15	19	27.2
						Qt	eP		15	14.0	21	Qt	eP	16	41	56.6	
						18	Qt	eP	08	24	35.9	Qt	eS		43	44.2	
								iX		25	06.6	21	Qt	eP	22	04	10.5
						18	Qt	eP	10	32	19.2	Qt	eX		05	26.8	
								iX		31.9	22	Qt	eP	03	16	10.3	
								iX		36	19.0	Qt	iX		45	15.1	
						18	Qt	eP	12	18	02.2	22	Qt	eP	06	27	48.1
						18	Wr	P	14	54	34	22	Qt	iP	10	49	28.6d
						Qt	eP		55	38.5	Qt	eX		51	06.8		
						18	Qt	eP	21	05	45.2	22	Qt	eP	15	38	06.8c
						18	Wr	P	22	56	18	22	Qt	eP	16	22	25.2
						Qt	eP			54.1	23	Qt	eP	00	21	43.6	
								eS		23	05	19.6	Qt	e(S)		24	11.4
						19	Qt	eP	02	24	56.5	23	Qt	eP	04	08	34.8
						19	Qt	eP	03	14	22.5	Qt	iX				48.2
						19	Qt	eP	03	22	55.8	23	Qt	eP	07	59	28.9
						19	Qt	eP	04	02	02.1	23	Qt	eP	16	11	59.1
						19	Qt	eP	04	40	21.9	23	Qt	eP	18	33	20.3
						19	Lh	P	06	13	00	23	Qt	eP	23	58	04.3
								S		20	15	Qt	eS		00	07	48.7
						Qt	eP		13	01.8							
								eS		20	20.0						
						19	Qt	eP	07	34	55.4						
						19	Lh	P	14	12	25						
						Qt	eP				40.9						
						19	Qt	eP	17	21	32.9						
						19	Qt	eP	18	06	50.2						
						19	Qt	eP	22	19	06.9						
						19	Qt	eP	22	28	38.3						
								iX			51.0						
						19	Lh	P	23	49	58						
						Qt	iP			50	05.8						
						20	Ch	P	00	52	39						
						Lh	P			54	03						
						Qt	eP				24.9						
						20	Qt	eP	02	22	22.3						
						20	Qt	eP	02	25	26.8						
						20	Wr	P	05	16	27						
						Qt	eP			17	28.7						
								eS		18	53.0						

Mu Sec
 PZ 0.1 0.6
 MH 11.7 20
 $\Delta = 77^{\circ}.0$
 Mag = 6.2(Qt)

(Abdul Qadir Khan)
 for
 Director,
 Meteorological Service

Mu Sec
 PZ 0.3 1.2
 $\Delta = 49.2$
 Mag = 6.2(Qt)

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the _____ June, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong,
Kr-Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 24th to 31st May 1965.

Additional

May, 1965

17	Lh	eP	17	27	22.0c
		iS		33	42.0
17	Wr	eP	21	34	48.1
17	Wr	eP	22	19	41.2
18	Wr	eP	01	13	49.1
18	Wr	eP	12	17	34.3
18	Lh	eP	22	56	13.0
		eS	23	04	02.0
19	Wr	eP	02	24	57.8
19	Wr	eP	06	12	59.6c
		eS		20	15.1
19	Wr	eP	14	12	25.2
19	Wr	eP	23	49	58.4
20	Wr	eP	00	54	10.4
23	Wr	eP	10	49	20.6
23	Wr	eP	16	11	29.8
23	Ch	iP	23	57	17
		eS	00	06	16
	Wr	iP	23	57	32.1d
	Lh	eP			35.5c
		eS	00	06	50.0

Continuation:

May 1965

24	Qt	eP	05	12	08.8
24	Qt	eP	13	58	39.1c
24	Qt	eP	16	50	27.3
24	Qt	eP	22	28	13.5
24	Ch	P	23	27	41
	Lh	P		30	01
		S		37	20
	Qt	iP		30	46.2
		eS		38	40.8

Mu Sec
PZ .06 0.7
MH 6.2 20
 $\Delta = 57.7^\circ$
Mag = 5.7 (Qt)

25 Qt eP 09 11 04.4

May 1965

25	Qt	eP	09	11	04.4
25	Qt	eP	09	12	40.6
		eX		17	34.6
25	Qt	eP	10	04	23.4
25	Wr	P	13	19	21
	Qt	iP			53.1c
		eS		30	00.0

Mu Sec

PZ- 0.2 1.3
MH 6.3 20
 $\Delta = 84^\circ.4$
Mag = 6.2 (Qt)

25	Qt	eP	16	40	00.6
25	Qt	eP	20	48	35.1
25	Qt	eP	21	54	05.7
		eS		55	25.5
26	Qt	eP	01	07	29.0
26	Wr	P	08	48	06
		S			37
	Lh	P			47
		S		49	50
	Qt	eP		49	00.5
		eS		50	20.7

H = 08 47 21
36.4N, 70.5E
Hindukush region
Depth about 225 km

26	Qt	eP	14	02	33.1
26	Qt	eP	20	02	43.7
	Lh	P			51
	Wr	P			52
27	Qt	eP	05	21	18.4
27	Qt	eP	08	12	44.2
27	Qt	eP	19	42	14.2
		eX		45	36.0
27	Qt	eP	22	41	37.6c
27	Qt	eP	23	13	19.7
28	Qt	eP	05	25	26.1
28	Qt	eP	06	05	22.1

May 1965

28	Qt	eP	06	51	19.8
28	Qt	eP	08	42	53.4
28	Wr	P	09	32	2
		S		51	
	Lh	P		52	
		S	33	56	
	Qt	iP			01.4
		eS	34		21.4

Mu Sec

PZ 0.1 0.9

H = 09 31 18
 36.9N, 69.8E
 Hindukush region
 depth about 285 km
 Mag=4.8(Qt)

28	Qt	eP	18	25	57.2d
29	Qt	eP	01	40	59.1
29	Qt	eP	04	22	08.3
29	Qt	eP	07	12	10.2
29	Qt	eP	11	31	09.1
29	Qt	eHKP	15	56	02.0
		ePP		57	44.0
	Wr	HKP		56	06
29	Qt	eP	18	22	03.4
		eS		23	21.6
29	Wr	P	19	24	54
	Qt	eP		25	06.7
29	Wr	P	22	42	47
		S		43	18
	Qt	eP			43.3d
		eS		45	02.1
29	Qt	eP	23	41	11.4
		eS		42	22.9
30	Qt	eP	01	26	10.1
30	Wr	P	04	03	19
	Qt	eP			35.8
30	Wr	P	08	53	13
	Qt	eP			43.2
		e(S)		58	40.2
30	Qt	eP	09	21	39.0
30	Wr	P	11	39	30
		S		40	05
	Lh	P			11
	Qt	eP			20.3
		eS		41	38.3

Mu Sec

PZ 0.14 0.7

H = 11 38 41

36.6N, 69.9E

Hindukush region

Depth about 225 km.

Mag = 5.2(Qt)

30	Qt	eP	12	38	07.9
30	Qt	eP	19	40	56.2
30	Qt	eP	19	48	05.2

May 1965

31	Qt	eP	02	07	02.2
		e(S)		09	06.7
31	Qt	eP	08	03	11.6
31	Lh	P	08	47	19
	Wr	P			28
	Qt	iP		48	22.4
		eX		56	08.1
31	Qt	eP	11	34	11.5
31	Qt	eP	11	49	36.1
		eS		58	36.6

Mu Sec

PZ .07 0.9

MH 4.4 20

Δ - 68.9

Mag = 5.9(Qt)

31	Qt	eP	17	39	27.5
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(Abdul Qadir Khan)
 for ~~Director~~ Director
 Meteorological Service.

June 1965

6	Wr	P	20	30	32
		S			59
	Lh	P		31	17
		S		32	17
	Qt	eP		31	29.7
		eS		32	37.3

M₁ Sec

P_{1/2} .02 0.6

H = 20 30 00
 35.7N, 70.5E
 Hindukush region
 depth about 160 km
 Mag = 4.5(Qt)

6	Qt	eP	23	24	08.6
7	Qt	eP	10	27	42.2
7	Qt	eP	11	43	03.7
		eS		44	12.3

June, 1965

7	Qt	eP	13	50	06.0
		eS		55	15.0
7	Qt	eP	16	09	54.1
7	Qt	eP	19	57	15.2
		eS		58	32.3
8	Qt	eP	04	35	54.8
8	Qt	eP	12	24	49.3
8	Qt	eP	12	40	05.0
8	Qt	eP	13	59	03.7
8	Qt	eP	23	29	26.8
		eS		30	53.8
8	Qt	eP	23	35	12.3

(ABDUL QADIR KHAN)

for

Director, Meteorological Service.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the _____ June, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi
 x-Unidentf

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 9th to 15th June, 1965

Additional

June, 1965

3	Lh	eP	07	55	01.0
5	Lh	eP	03	59	05.2
7	Lh	eP	19	56	54.0
		eS		57	54.0

Continuation

June, 1965

9	Qt	eP	13	38	36.5
9	Qt	eP	13	54	08.2
9	Qt	iP	17	17	14.5d
9	Qt	eP	19	16	03.9
10	Qt	eP	00	50	38.8
		eS		52	06.4
10	Qt	eP	03	16	37.4
10	Wr	P	05	49	34
	Lh	P		50	20
	Qt	iP			32.0d
		iX	51		22.1
		eS			45.2

Mu Sec

PZ 0.1 0.7

$\Delta = 6^{\circ}.5$

Ch P 05 53 59
 H = 05 48 57.6
 36.0N, 70.2E
 Hindukush
 depth about 90 km
 Mag = 5.2(Qt)

10	Qt	eP	07	31	29.0
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June, 1965

10	Wr	P	12	14	17
		S			43
	Qt	eP		15	17.1
		eS		16	28.4
10	Wr	P	14	05	37
		S		06	09
	Lh	P			18
		S		07	21
	Qt	eP		06	33.0c
		eS		07	50.4

Mu Sec

PZ 0.07 0.5

$\Delta = 6^{\circ}.9$

H = 14 04 53.0
 36.4N, 70.4E
 Hindukush
 depth about 220 km
 Mag = 5.1(Qt)

10	Qt	eP	15	27	07.5
10	Qt	eP	16	30	49.2
		e(S)		32	28.3
10	Qt	eP	23	26	36.6
11	Qt	eP	00	42	58.6
11	Qt	eP	01	54	30.0
		iX		55	56.2
11	Wr	P	02	48	51
	Lh	P			53
	Qt	eP		49	23.0

June 1965

11	Lh	P	03	43	37
		S		51	37
	Wr	P		43	41
		S		51	42
	Qt	eP		44	16.5
		eS		52	53.4

Mu Sec
 Pz = 0.2 1.4
 $\Delta = 64^{\circ}.9$
 Mag = 6.1(Qt)

11	Lh	P	04	02	52
	Wr	P			55
	Qt	eP		03	30.5
11	Wr	P	04	24	48
	Qt	eP		25	24.4
11	Qt	eP	04	49	39.0
11	Lh	P	04	55	00
	Qt	eP		2	29.1
11	Qt	eP	05	55	35.7
11	Qt	eP	06	07	41.2
11	Qt	eP	07	21	38.0c
11	Lh	P	07	37	41
	Qt	eP		38	20.2

11	Lh	P	08	50	55
	Qt	eP		51	33.2
11	Qt	eP	09	07	22.1
11	Qt	eP	10	10	06.5
11	Qt	eP	10	27	13.5
11	Qt	eP	10	30	23.4
11	Qt	eP	10	51	45.5
11	Wr	P	12	10	01
	Qt	eP			37.1

11	Qt	eP	12	57	26.4
11	Wr	P	15	48	03
	Qt	eP			32.1
		iX			57.2

11	Qt	eP	16	33	13.2
11	Wr	P	17	22	06
	Qt	eP			43.2
11	Qt	eP	20	54	54.5
11	Qt	eP	23	03	53.0

		eS		05	32.8
12	Qt	eP	00	31	30.1
12	Qt	eP	03	20	20.7
12	Qt	eP	05	39	16.5
12	Lh	P	05	50	53
	Qt	eP		51	32.2c

		e(S)		06	00	40.0
12	Qt	eP	06	14	08.0	
12	Qt	eP	06	57	00.5	
12	Qt	eP	18	03	52.6	
12	Qt	eP	18	53	11.1	
12	Lh	P	18	55	39	
	Qt	eP		56	18.4	

12	Qt	ePKP	19	09	21.4
		e(PP)		12	23.5
	Lh	PKP		09	40

12	Qt	eP	22	27	19.2
13	Qt	eP	01	31	43.4
13	Lh	P	02	30	47
	Wr	P			49
	Qt	eP		31	25.7c

June 1965

13	Wr	P	04	21	58
	Qt	eP		22	28.5
		e(S)		23	10.0
	Lh	P			06.

13	Qt	eP	06	02	19.5
13	Ch	P	07	14	45
	Lh	P		15	45
	Wr	P			50
	Qt	eP		16	26.6
		eS		24	51.0

Mu Sec
 MH = 16.5 20
 $\Delta = 62^{\circ}.7$
 Mag = 6.3(Qt)

13	Wr	P	08	21	11
	Qt	eP		22	09.6
13	Qt	eP	14	22	50.5
13	Qt	eP	15	13	13.8
	Wr	P			14
13	Qt	eP	19	06	18.6
13	Qt	eP	19	46	36.5
13	Qt	eP	20	08	14.1
		eS		13	37.0

Mu Sec
 MH = 5.2 20
 $\Delta = 34^{\circ}.2$

	Wr	P	20	08	33
					Mag = 5.7(Qt)

14	Qt	eP	00	49	52.8
14	Qt	eP	07	00	25.1
14	Qt	eP	07	42	08.1
		eS		51	34.0
	Wr	P		42	44

14	Wr	P	13	20	15
	Qt	eP		21	07.0
		eS		24	18.7
15	Qt	eP	04	06	25.1
15	Wr	P	04	57	49

	Qt	iP		58	20.6d
15	Wr	P	08	04	00
	Qt	eP			39.4
		eS		09	01.0
15	Qt	eP	09	39	18.8
15	Qt	eP	13	02	45.6

15	Qt	eP	14	29	34.5
15	Qt	eP	15	26	49.4c
15	Qt	eP	16	46	00.6
		iS		50	58.4
	Wr	P		46	53

15	Qt	eP	19	29	32.2
15	Qt	eP	23	29	08.1
		eS		37	49.4
	Wr	P		29	13

Abdul Qadir Khan
 for Director,
 Meteorological Service.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
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 POST BOX NO. 2, QUETTA

P A K I S T A N

No. **SS-9(2)/63/**

Quetta, the _____ June, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation

Provisional Readings at Seismological Stations from 16th to 23rd June, 1965.

Additional
 June, 1965.

9	Lh	eP	19	15	31.7d
10	Lh	eP	16	29	28 0
		iS			56.0
11	Lh	eP	00	42	23.0
11	Ch	eP	02	48	35
11	Ch	eP	03	42	49
11	Lh	eP	04	24	44.8
11	Lh	eP	06	07	05.8
11	Ch	eP	07	20	10
	Lh	eP			59.8c
11	Ch	eP	08	50	05 +
11	Lh	eP	10	26	34.4
11	Lh	eP	10	51	06.7
11	Lh	eP	12	09	59.6
11	Ch	eP	15	44	12.4
		eS			55.0
	Lh	eP		47	38.6
11	Lh	eP	17	22	04.5
11	Lh	eP	20	54	14.5
12	Lh	eP	05	38	37.4
12	Lh	eP	06	13	27.7
12	Lh	eP	06	56	20.5
12	Lh	eP	18	51	39.7
12	Lh	eP	22	26	40.8
13	Lh	eP	20	08	59.5
14	Lh	eP	13	19	44.4
		eS		21	50.0
15	Lh	eP	08	03	27.0
15	Lh	eP	14	28	56.5

Continuation:
 June, 1965

16	Qt	eP	00	10	15.2c
		ipP			24.2
	Wr	P		11	05
16	Qt	ePKP	04	15	29.6d
		iPP		17	08.1
	Wr	P		15	32
		PP		17	02
		SKS		21	03

June, 1965

16	Wr	P	05	07	28
	Qt	eP		08	00.0
16	Qt	eP	06	26	34.2d
16	Qt	eP	20	44	34.2
16	Wr	P	23	52	15
	Qt	eP		53	09.2
17	Wr ^S	P	03	48	54
	Qt ^{IE}	eP		49	47.4
17	Wr	P	10	51	57 --
	Qt	eP		52	28.6c
17	Qt	eP	15	12	52.7
		eS		14	46.5
17	Lh	P	19	16	27
	Qt	eP			56.0c
17	Qt	eP	20	10	32.6c
17	Lh	P	20	17	34
		S		19	41
	Wr	P		18	04
		S		20	35
	Qt	eP		18	56.1c
		epP		19	09.5
		iS		22	12.9

H = 20 14 51
 32.1N, 87.9E
 TIBET
 depth about 33 km.

18	Lh	P	01	21	20
		S		23	27
	Wr	P		21	51
	Qt	eP		22	44.1
		epP			57.8
		eS		26	01.2

H = 01 18 40
 31.9N, 88.1E
 Tibet
 depth about 33 km.

June, 1965

18	Qt	eP	08	14	22.1d
18	Wr	P	08	22	24
	Qt	eP			51.4
18	Qt	eP	13	52	44.7
	Wr	P		53	39
18	Qt	iP	18	27	11.2d
18	Qt	eP	22	52	41.2
18	Qt	iP	23	04	33.5d
19	Qt	iP	06	49	51.6c
		epP		50	06.5
		eS		59	23.2

Mu Sec
 MH : 2.5 20
 $\Delta = 74^{\circ}.5$
 H = 06 38 15
 depth about 33 km
 Mag: 5.8(Qt).

19	Qt	iP	12	36	40.2c
		ipP			57.3
19	Qt	eP	13	01	13.2
19	Qt	eP	18	38	26.5
		epP			44.1
19	Qt	eP	21	26	13.4
20	Qt	iP	01	36	47.2d
20	Lh	P	02	07	19
	Wr	P			22
	Qt	iP			57.7c
		ipP		08	20.3

20	Qt	eP	07	48	04.5
20	Qt	eP	12	50	37.8
20	Qt	iP	16	36	21.6d
		ipP			28.3
		isP			37.5

20	Wr	P	18	12	01
		S			33
	Lh	P			42
		S		13	42
	Qt	iP			01.5c
		iS		14	20.3

H = 18 11 19
 36.3N, 70.8E
 Hindukush
 depth about 220 km.

21	Qt	iP	00	23	39.8d
		iS		25	37.8
	Wr	P		24	41
	Lh	P		25	02

H = 00 21 05
 27.1N, 55.2E
 PERSIAN GULF
 depth about 60 km.

21	Qt	eP	12	13	22.6
----	----	----	----	----	------

June, 19

21	Qt	iP	22	24	59.3d
		ipP		25	04.5
22	Wr	P	05	50	47
	Lh	P			48
	Qt	eP		51	55.5d
		iS		53	51.5

H = 05 49 25
 36.3N, 77.3E
 Sinkiang Province China
 depth about 33 km.

22	Qt	eP	21	25	02.8
22	Qt	eP	22	18	31.3
22	Ch	P	23	54	51
	Lh	P			57 12
		S		00	04 34
	Wr	P		23	57 34
	Qt	iP			57 53.5c
		eS		00	05 54.2

Mu Sec

PZ : 0.11 1.0

$\Delta = 58.7$
 H : 23 47 56
 Mag: 5.8(Qt)

23	Wr	P	11	21	35
	Lh	P			43
		S			32 06
	Qt	eP			22 00.1
		eSKS			32 30.2
		iS			40.5

Mu Sec

MH : 33.0 20

$\Delta = 88.2$
 H = 11 09 12
 Mag: 6.6(Qt).

23	Wr	P	15	53	09
		S			37
	Qt	iP			54 08.2c
		iS			55 18.1

23	Wr	P	16	20	22
	Qt	iP			35.7d

23	Qt	eP	17	07	56.3d
----	----	----	----	----	-------

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 for
 Director,
 Meteorological Service.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
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PAKISTAN

No. SS-9(2)/63/

Quetta, the _____ July 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi
 x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 24th to 30th June, 1965

Additional
June, 1965

16	Lh	eP	00	11	01.2
16	Lh	eP	05	07	15.8
17	Lh	eP	03	49	15.0
17	Wr	iP	15	11	41.8d
17	Lh	eP	20	09	46.3
18	Lh	eP	08	21	50.4
18	Lh	eP	13	54	04.0
18	Wr	eP	23	04	36.2
	Lh	eP			39.5
19	Wr	eP	06	49	18.4
19	Wr	eP	12	36	46.0
19	Lh	eP	21	25	33.8
22	Lh	eP	21	24	42.0
23	Lh	eP	15	54	52.0
23	Lh	eP	16	20	02.0

Continuation:

24	Qt	eP	01	43	47 +
24	Qt	eP	03	29	48.3
		epP		30	06.2
24	Qt	eP	03	51	55.5
24	Qt	iP	04	59	26.2d
24	Wr	P	07	54	58
	Qt	eP		55	16.2d
		ipP			27.5
		is	08	03	25.5

Mu : $\frac{2.5}{20}$
 $\Delta = 60^{\circ}.1$
 H = 07 45 10
 depth about 33 km
 Mag : 5.8(Qt)

24	Qt	eP	10	56	52.7
24	Qt	eP	11	33	41.2
24	Qt	eP	14	27	19.2d
		epP			36.2
24	Qt	eP	23	17	24.3
		ipP			30.2
		es		24	42.2
25	Qt	iP	09	28	49.8d
		epP			59.1

June, 1965

25	Qt	iP	13	00	22.5d
25	Qt	eP	20	47	06.3d
25	Qt	eP	21	53	40.3
26	Qt	eP	09	41	18.4
		epP			32.3
26	Qt	eP	14	46	27.3
26	Qt	eP	16	57	15.7c
26	Qt	eP	20	42	31.2
26	Qt	eP	21	44	46.2
26	Qt	eP	21	47	37.2
		ipP			49.1
26	Qt	eP	22	02	40.2
		ipP			49.3
26	Qt	eP	22	07	53.8
		iX		08	02.3
26	Qt	eP	22	26	46.1
26	Qt	eP	23	57	55.2
		ipP		58	09.7
		e(S)	00	00	50.2
27	Qt	iP	01	11	01.8d
		ipP			10.8
		esP			20.2
		es		16	16.2

Mu : $\frac{1.6}{20}$
 $\Delta = 32^{\circ}.9$
 H : 01 04 29
 depth about 33 km
 Mag: 5.3 (Qt)

27	Qt	iP	04	04	28.2c
27	Qt	iP	07	33	57.3d
27	Wr	P	09	31	13
		S			46
	Qt	iP		32	12.2
		is		33	31.6
27	Qt	eP	09	59	28 +

June, 1965

27 Wr P 11 44 12
 Qt iP 54.3c
 ipP 45 03.1
 isP 1.0
 is 51 57.2

Mu Sec
 PZ : 0.1 1.5
 MH : 7.8 20
 $\Delta = 49^{\circ}.4$
 H : 11 36 06
 depth about 33 km
 Mag : 5.8(Qt)

27 Qt iP 14 57 36.3c
 27 Qt eP 17 28 13.8d
 27 Qt eP 17 45 27.1c
 iP 27.8d

27 Qt eP 17 51 04.3d
 epP 16.2

27 Qt iP 22 09 16.8
 ipP 26.9

27 Qt iP 23 10 57.2d

28 Qt eP 00 16 15.5
 28 Qt eP 01 30 02.6d
 28 Lh P 03 46 00
 S 56 19
 Wr P 46 12
 Qt iP 29.2c
 ipP 39.3
 eSKS 57 02.0
 eS 14.3

Mu Sec
 MH : 2.1 20
 $\Delta = 89^{\circ}.2$
 H : 03 33 35
 depth about 33 km
 Mag: 5.8(Qt)

28 Qt eP 03 56 25.6
 28 Qt eP 04 06 03.2d
 28 Qt eP 09 15 59.5c
 28 Qt iP 12 15 33.8c
 is 16 00.0
 28 Qt iP 15 53 37.2d
 28 Qt iP 18 15 28.8c
 28 Qt eP 22 53 03.5
 epP 07.2
 29 Wr P 01 38 30
 Qt eP 06.0
 is 41.1
 29 Qt eP 03 11 06.5
 29 Qt eP 04 38 34.5c
 epP 42.7
 29 Qt iP 08 05 01.3c
 29 Qt iP 11 28 07.7d
 epP 13.3
 29 Qt eP 12 02 17.2d
 epP 27.7

June, 1965

29 Qt eP 12 13 07.3d
 29 Qt eP 15 47 18.6d
 epP - 28.3
 29 Qt iP 16 11 39.1c
 29 Qt eP 21 53 44 +
 eX 59.5
 29 Qt eP 23 14 28.2
 eS 15 59.7
 30 Qt eP 00 06 06.9
 30 Qt iP 02 19 23.8c
 30 Qt eP 03 03 53.6c
 eS 12 33.5
 ePKPPK 32 44.3

Mu Sec
 MH : - 3.3 20
 $\Delta = 65^{\circ}.4$
 H : 02 53 13
 Mag : 5.8(Qt)

30 Qt eP 07 32 08.5
 30 Qt eP 08 18 32.3d
 30 Qt iP 08 45 26.2c
 ipP 35.7
 eS 55 18.0

Mu Sec
 PZ : 0.15 0.8
 MH : 5.5 20
 $\Delta = 78^{\circ}.5$
 H : 08 33 27
 depth about 33 km.
 Mag : 6.1(Qt)

30 Qt iP 08 54 34.7d
 is 56 12.5
 30 Qt eP 12 47 39.5
 30 Qt iP 17 22 47.1c
 30 Qt eP 18 53 12.8c

(Abdul Qadir Khan)
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Quetta, the _____ July 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi,
x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 1st July 1965 to 8th July '65.

Additional
June, 1965

24.	Lh	eP	07	54	35.0
24	Lh	eP	23	16	39.0
25	Wr	eP	09	28	48.4
26	Wr	eP	16	56	34.2
27	Lh	eP	11	44	04.0c
27	Lh	eP	17	44	47.0
27	Lh	eP	22	08	29.0
28	Wr	eP	12	16	48.1
	Lh	eP		17	09.0
		eS		19	21.0
29	Wr	eP	23	13	34.8
		eS		14	02.0
30	Lh	eP	03	03	16.6
		eS		11	26.5
	Wr	eP		03	39.2
30	Wr	eP	08	44	53.2
	Lh	eP			55.8

Continuation:
July, 1965.

1	Qt	eP	05	14	11.5
1	Qt	eP	07	28	08.3
1	Qt	eP	09	08	36.3
		eS		10	48.7
1	Qt	eP	12	52	33
					Onset poor
1	Qt	eP	17	52	33.3d
		epP			46.2
1	Qt	eP	20	01	39.2d
1	Qt	eFKP	23	31	59.8
		eFKS		35	31.3
1	Qt	eP	23	51	34.6c
		eX		52	14.3
2	Qt	iP	05	18	59.2d
2	Qt	iP	05	33	40.7d
2	Qt	iP	11	57	38.7d
		iS		59	18.7
2	Qt	iP	20	31	32.9c
		epP			42.2

July 1965

2	Ch	F	21	10	39
		S		20	24
	Wr	F		10	40
		S		20	39
	Lh	P		10	46
		S		20	43
	Qt	iP		11	08.5c
		iPP		14	24.8
		iS		21	27.3

Mu Sec

PPZ : 0.3 1.3
 $\Delta = 83^{\circ}.7$
Mag: 6.7(Qt)

2	Qt	eP	23	47	36.2
3	Wr	F	01	50	49
		S		51	35
	Qt	iP			55.2d
		iS		53	38.5
3	Qt	iP	02	33	39.1
		eFP			52.2
3	Qt	eP	02	36	15.2
3	Qt	eP	11	32	32.7d
		epP			42.5
		esP			48.3
		eS		37	47.4
3	Qt	eP	12	33	58.1d
3	Qt	eP	14	32	35.7
		eS		34	10.3
3	Qt	eP	15	34	09.2
		epP			20.3
3	Qt	eP	17	13	32
		iS		16	05.8
					Onset Poor
3	Qt	eP	21	17	08
		eS		18	55.2
					Onset poor
3	Qt	eP	23	29	05.1
4	Qt	eP	02	44	11.3c
4	Qt	iP	10	02	37.3d
		epP			44.3
		eS		03	57.8
4	Qt	eP	16	34	47.8d

July 1965

4	Qt	eP	20	58	44.7d
		eS	21	00	04.7
5	Qt	eP	01	48	29.8
5	Qt	iP	08	43	26.7d
		epP			35.5
		eX		46	09.3
		eS		53	08.4
	Wr	P		43	38
		X		46	54
5	Qt	iP	12	54	54.8d
		iS		56	14.7
5	Qt	iP	23	47	15.3d
		ipP			28.7
6	Qt	eP	03	25	56.2c
		eS		34	48.3
	Wr	P		26	11
	Lh	P			39
6	Qt	eP	03	31	59
			Onset Poor		
6	Qt	eP	03	58	18.8
6	Qt	eP	04	19	03.3
6	Qt	iP	04	19	30.9c
		ipP			37.8
6	Qt	iP	04	44	29.6d
6	Wr	P	04	57	17
		Qt		eP	31.7
6	Qt	iP	05	09	55.7d
	Wr	P			59
6	Qt	eP	05	25	14.7
6	Qt	eP	08	07	27.7
6	Wr	P	13	21	54
		S		22	47
	Lh	P			31
	Qt	eP		23	02.8
		eS		24	42.5

H = 13 20 50
 38.3N, 72.4E
 depth about 33 Km.
 Tadjik S.S.R.

6	Qt	eP	15	08	11.2d
6	Qt	eP	15	40	10.6c
		epP			19.7
6	Wr	P	17	10	11
		S			53
	Qt	eP		11	19.8d
		iS		12	58.6
6	Lh	P	18	48	27
	Wr	P			41
	Qt	eP			55.3d

July 1965

6	Lh	P	18	50	19
		S		57	59
	Wr	P		50	33
		S		58	14
	Qt	iP		50	50.2d
		eS		58	31.4
6	Qt	eP	19	31	06.9
6	Qt	eP	20	16	01.9
		epP			07.2
7	Wr	P	00	15	06
		S		16	06
	Qt	eP		15	42.7
		eS		17	19.5
7	Qt	eP	04	53	46.3
		eS		55	33.2
7	Qt	eP	10	32	31.2
7	Qt	iP	12	21	38.7d
7	Qt	eP	14	33	56.2
7	Qt	eP	17	27	46.9
7	Qt	eP	19	41	10.9
		eS		42	26.8
			Felt Kohat.		
7	Qt	iP	21	48	37.5c
7	Qt	eP	21	49	32.3
7	Qt	iP	21	53	00.8c
7	Qt	iP	22	18	07.2d
7	Qt	iP	23	08	42.4c
7	Qt	iP	23	09	08.5d
7	Qt	iP	23	47	26.4c
		ipP			37.3
8	Qt	eP	00	23	28.9
8	Qt	eP	03	44	02.3d
8	Qt	iP	04	07	54.8d
		eX		09	06.2
8	Qt	iP	16	54	41.7d
		eS			50.6

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 for
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Quetta, the _____ July 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation

Provisional Readings at Seismological Stations from 9th to 15th July 1965

Additional
July 1965

2 Kr eP 21 11 32.9
eS 22 04.9

Continuation
July 1965

9 Qt eP 00 53 49.8c
epP 58.7

9 Qt iP 02 08 37.8c
ipP 51.7

9 Qt iP 16 28 36.7d
9 Qt eP 19 48 08.7d
eS 49 23.2

9 Qt eP 21 57 03.8

9 Qt eP 22 21 31.2d

10 Qt eP 04 37 43.2d
epP 51.2
eX 38 18.3

10 Qt eP 04 47 15.7

10 Qt eP 06 32 45.4
eS 34 16.7

10 Qt eP 08 16 57.2c

10 Qt eP 11 11 58.8d
ipP 12 05.0

10 Qt iP 13 03 06.3d
epP 12.1

10 Qt eP 15 05 47.7

10 Qt iP 19 32 06.3d
epP 22.2
e(S) 39 54.2

10 Qt eP 21 35 54.8
10 Qt iP 21 46 01.8d
eS 47 29.8

10 Qt eP 21 54 28.5
iS 55 48.8

11 Qt iP 00 09 28.3d
eS 10 53.3

July 1965

11 Qt eP 04 07 13.2
11 Qt iP 06 27 02.2d
11 Qt eP 07 51 18.3
iP 19.3c
eS 54.6

11 Qt iP 10 33 01.6d
eS 34 30.7

11 Qt eP 10 59 07.2

11 Qt eP 15 35 02
eS 36 28.2

Onset Poor

11 Qt eP 16 25 20.8
11 Qt eP 19 19 51.2

e(S) 21 17.3

11 Qt eP 20 31 08.7
12 Qt eP 00 06 22.7

eS 07 40.5

12 Qt eP 10 22 55.5

12 Qt eP 10 24 14.5
12 Qt eP 11 48 33.2c

12 Wr P 13 53 23
S 54

Lh P 54 03
S 55 04

Qt iP 54 19.2d
iS 55 36.3

Mu Sec

PZ : 0.08 0.5

$\Delta = 6^{\circ}.8$

H - 13 52 41

35.8 N, 70.6 E

HINDUKUSH REGION

DEPTH ABOUT 274 Km

Mag: 4.9(Qt)

12 Qt iP 14 16 26.4c
Wr P 40
Lh P 45

12 Qt iP 16 12 33.7d
12 Qt iP 18 48 27.3d

ipP 41.2

12 Qt eP 19 00 34.7d

July 1965

12	Qt	eP	21	41	47.8
13	Qt	eP	00	58	44.6
		epP			56.2
13	Qt	eP	06	54	58.3
13	Qt	eP	09	53	53.3
13	Wr	P	13	03	46
		S		04	18
	Lh	P		03	51
		S		04	25
	Qt	eP			52.0d
		iS		06	15.5

H : 13 03 04
34.2N, 74.3E
Depth about 178 Km
KASHMIR

13	Qt	eP	14	21	27.8
13	Qt	eP	14	29	35.2d
		epP			46.7
13	Wr	P	14	50	58
	Qt	iP		51	07.6c
		ipP			21.5
		eS		58	16.3

Mu Sec

MH: 1.3 20
 $\Delta = 50^{\circ}.3$
Mag: 5.5 (Qt)

13	Qt	eP	19	49	14.3c
		iX			42.1
13	Qt	iP	20	04	00.3c
13	Qt	eP	21	29	33.8d
13	Qt	eP	22	25	37.3d
13	Wr	P	23	10	28
		S		11	00
	Lh	P			18
		S		12	19
	Qt	iP		11	33.8d
		iS		12	50.2

Mu Sec

PZ: 0.07 0.5
 $\Delta = 6^{\circ}.5$
H = 23 09 55.2
36.2N, 70.9E
HINDUKUSH REGION
DEPTH ABOUT 100 Km.
Mag: 5.4(Qt)

14	Qt	iP	01	22	36.9c
		iS		23	54.1

July 1965

14	Qt	iP	03	22	15.5c
		iS		23	08.2

Mu Sec

PZ : 0.02 0.5
 $\Delta = 4^{\circ}.6$
Mag: 4.6(Qt)

14	Qt	eP	12	29	08.5
14	Qt	eP	13	58	29.7
14	Qt	eP	18	08	25.5c
		iS		19	04.6

Mu Sec

PZ : 0.1 1.2
MH : 0.7 20
 $\Delta = 88^{\circ}.0$
Mag : 5.7 (Qt)

14	Qt	iP	18	14	03.3d
		ipP			13.3

14	Qt	eP	18	23	13.7c
		iP			15.7d

14	Qt	eP	20	55	24.1d
		eS		56	33.5

14	Qt	eP	23	57	35.6
15	Qt	iP	02	59	39.3d
		e(S)	03	01	44.5

15	Qt	iP	06	02	07.6d
		iS			34.1

15	Qt	iP	08	35	44.3c
		iS		37	04.3

15	Qt	eP	11	58	15.5
15	Qt	iP	18	00	30.5d
		epP			42.3

15	Qt	iP	18	38	08.8c
		iS		39	42.2

15	Qt	iP	20	43	14.8c
		iS		44	25.5

15	Qt	iP	22	09	12.2d
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(ABDUL QADIR KHAN)
for
DIRECTOR,
METEOROLOGICAL SERVICE

Government of Pakistan
 Pakistan Meteorological Department
 Geophysical Institute
 Post Box No.2, QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the _____ July 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 16th to 23rd July 1965.

Additional July 1965			July 1965								
9	Wr	eP	19	47	05.1	17	Qt	iP	13	18	08.2c
10	Wr	eP	21	53	22.2	17	Qt	eP	18	18	25.5
		eS			52.4			eX			55.7
11	Wr	iP	10	31	56.7c	17	Qt	eP	18	34	11.9c
		iS		32	34.4			iP			12.2
11	Wr	eP	15	34	28.8	18	Wr	P	05	43	55
11	Wr	eP	19	18	36.8		Qt	eP		44	17.9
		eS		19	24.5			ipP			26.0
14	Wr	eP	18	08	02.1	18	Wr	P	05	58	49
14	Wr	eP	18	23	00.5		Qt	eP		59	42.5
15	Wr	eP	18	39	20.1	18	Qt	eP	10	10	30.2
						18	Qt	iP	18	01	17.2C
						18	Qt	iP	22	25	45.7C
								ipP			57.9
						19	Qt	iP	00	14	36.1
								epP			48.3
						19	Qt	eP	05	53	03.1
						19	Wr	P	06	56	29
							Qt	iP		57	01.3
								epP			11.9
						19	Qt	iP	08	24	33.8c
						19	Qt	iP	08	55	36.3d
								epP			43.8
						19	Qt	eP	09	04	08.2
						19	Qt	eP	09	17	05.7
						19	Qt	eP	12	56	38
											Onset Poor
						19	Wr	P	14	31	37
								S		32	13
							Qt	iP		32	39.3d
								iS		34	08.3
						19	Qt	eP	15	29	03.5c
						19	Qt	eP	15	55	34.8c
						19	Qt	iP	20	19	07.9c
								ipP			24.7
						20	Qt	eP	00	31	21.5
								eS		32	05.7
						20	Qt	iP	06	39	56.8d
								eS		40	49.2

Continuation:
July 1965

16	Qt	eP	03	12	40.7d
		eX		13	07.5
16	Qt	eP	06	00	17.3c
		eS		01	07.7
16	Qt	iP	06	27	42.3
		iS		28	35.5
16	Qt	eP	12	49	31.6
16	Qt	eP	13	06	43.6
16	Qt	eP	16	46	30.1
17	Qt	eP	07	34	03.3c
		iX			07.6c
		eS		45	28.2
17	Qt	eP	08	02	06.7
		eS		03	17.3
17	Qt	iP	13	00	50.9d
		iX			56.9
		eS		11	24.2

$$M_H = \frac{\mu}{20}$$

$$\Delta = 86.7$$
 Mag: 5.7(Qt)

July 1965						July 1965					
20	Qt	eP	07	08	52.6	22	Qt	iP	01	30	47.7d
20	Wr	P	07	44	13			ipP			54.3
		S			46						
	Lh	P			57	22	Qt	eP	09	24	21.9
	Qt	iP		45	13.8			iS		25	52.7
		iS		46	35.4						
$\Delta = 7.4$ $H = 07\ 43\ 28$ 36.7N, 71.0E HINDUKUSH Depth about 220 km						22	Qt	iP	12	18	09.2c
						22	Qt	eP	15	30	00
									Onset Poor		
20	Qt	iP	11	30	44.9d	22	Qt	eP	20	56	54.2
		epP			57.7	23	Qt	iP	09	49	40.8d
		eS		40	34.4			iS		51	01.3
				<u>Mu</u>	<u>sec</u>						
				MH :	2.0	20					
				$\Delta = 77^{\circ}.8$							
				Mag: 5.8(Qt)							
20	Lh	P	13	27	37	23	Qt	eP	20	04	10.3c
	Wr	P			59	23	Qt	eP	20	19	01.2
	Qt	iP		28	18.3c	23	Qt	iP	21	30	38.8c
		ipP			30.1			iS		31	34.2
		ipP		30	29.7						
		eS		36	21.4	23	Qt	eP	23	41	18.1c
				<u>Mu</u>	<u>Sec</u>						
				MH :	2.6	20					
				$\Delta = 59^{\circ}.1$							
				Mag: 5.8(Qt)							
20	Qt	eP	17	34	26.2d						
20	Qt	eP	19	48	02.9						
20	Qt	eP	20	24	06						
		eX			23.8						
				Onset Poor							
21	Qt	iP	03	10	35.9c						
21	Qt	eP	03	58	56.3						
21	Qt	eP	12	52	50.9d						
21	Qt	eP	17	08	38.9c						
		epP			50.2						
21	Qt	eP	17	19	40.3						
21	Wr	P	18	03	30						
	Qt	iP		04	04.2c						
		ipP			11.5						
		ipP		06	49.1						
		eS		13	40.2						
				<u>Mu</u>	<u>Sec</u>						
				MH :	3.0	20					
				$\Delta = 75^{\circ}.3$							
				Mag: 5.9(Qt)							
21	Qt	eP	22	36	33.2						
21	Wr	P	22	41	07						
		S			38						
	Qt	iP		42	11.8c						
		iS		43	31.8						

(ABDUL QADIR KHAN)
for
DIRECTOR,
METEOROLOGICAL SERVICE

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO.2, QUETTA

PAKISTAN

No.SS-9(2)/63/

Quetta, the _____ August, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi.
 x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 24th to 31st July 1965

Additional
July 1965

17	Wr	eP	07	33	47.8
17	Wr	iP	08	00	54.8d
		iS		01	25.0
17	Wr	iP	13	00	41.3d
18	Wr	iP	22	25	09.5d
20	Wr	eP	11	30	07.9
22	Qt	eP	09	23	16.5
		eS			54.2
22	Qt	iP	12	17	10.7d
		eS			43.8

Continuation:
July 1965

24	Qt	eP	11	56	13.2d
24	Qt	iP	17	59	25.6c
		iS	18	00	45.4
24	Qt	eP	21	50	02.3d
25	Lh	P	03	47	47
		S		53	36
	Qt	eP		48	18.8d
		eS		54	32.2

Mu Sec

MH : 7.6 20
 $\Delta = 41^{\circ}.5$
 Mag: 5.9(Qt)

25	Qt	eP	08	46	25.1
25	Lh	P	13	42	54
		S		50	51
	Qt	iP		43	34.8d
		ipP			45.3
		eS		52	04.2

Mu Sec
 MH: 3.4 20
 $\Delta = 63^{\circ}.5$
 Mag: 5.8(Qt)

25	Lh	P	21	58	12
		S		22	07 34
	Qt	iP		21	58 40.4c
		ipP			44.8
		iS		22	08 29.4

Mu Sec

MH : 4.3 20
 $\Delta = 77^{\circ}.9$
 Mag: 6.0(Qt)

25	Qt	eP	22	03	42.7
26	Qt	eP	00	41	25.3c
		iS		43	42.9
26	Qt	iP	04	38	56.1d
26	Qt	iP	07	10	40.3d
26	Qt	eP	10	19	55.3
26	Qt	eP	15	42	51.7
26	Qt	iP	16	27	26.1d
26	Qt	eP	16	58	31.7
27	Wr	P	08	03	46
		S		04	12
	Qt	eP			37

Onset Poor

27	Qt	eP	11	32	28.4c
		epP			38.8
27	Qt	eP	12	26	26.8d
27	Qt	eP	13	14	24.1
27	Qt	eP	15	52	49.2
27	Qt	iP	16	06	44.3d
27	Qt	iP	16	26	27.8d
27	Qt	iP	21	25	40.2
		iX		26	28.8
27	Qt	eP	23	57	23.9
		epP			35.8
28	Qt	eP	06	13	28.8
28	Qt	eP	08	04	45.4
		iS		05	57.2
28	Qt	eP	17	21	39.7

July 1965

28	Lh	P	22	36	52
		S		43	00
	qt	iP		37	22.1d
		eS		43	57.2
28	qt	iP	22	42	34.3c
29	qt	iP	00	02	56.2c
		iS		04	17.8
29	Ch	P	08	41	18
		S		51	10
	Wr	P		41	24
		S		51	23
	Lh	P		41	29
		S		51	32
	qt	iP		41	52.6d
		iS		52	13.4
29	qt	eP	11	21	01.2
29	Wr	P	12	32	23
	qt	eP			52.3d
		ePP		33	03.3
		ePP		36	05.8
		eS		43	18.4
29	qt	iP	15	21	06.7d
		iPP			20.5
		ePP		24	20.3
		eS		31	32.2

Mu Sec
 MH : 0.7 20
 $\Delta = 85^{\circ}.0$
 Mag = 5.6(qt)

29	qt	eP	16	21	28.4d
29	qt	eP	18	28	20.5
29	qt	eP	19	26	25.6
30	qt	eP	06	04	38.7
30	qt	eP	07	38	56.7c
30	qt	eP	08	22	43.5c
30	qt	eP	08	23	51.3
30	qt	eP	10	29	20.8d
30	qt	eP	12	11	49.8
		eS		13	41.9
30	qt	iP	19	09	14.6d
		eS		10	51.6
30	qt	eP	19	18	02.9
30	qt	eP	20	58	23.1c
30	qt	eP	21	20	09.8

July 1965

30	qt	eP	21	24	30.3
30	qt	eP	22	01	24.4
31	qt	iP	07	10	22.8c
31	qt	eP	07	46	48.3
		eS		55	21.8
		<u>Mu</u>			<u>Sec</u>
		MH : 1.8			20
		$\Delta = 64^{\circ}.2$			
		Mag: 5.7(qt)			
31	qt	eP	09	33	07.9
31	qt	eP	16	41	51.7d
31	qt	eP	17	13	49.3d
31	qt	eP	18	55	50.8
31	qt	iP	19	06	06.3c
31	qt	iP	21	49	46.6d
		eS		53	46.8

(ABDUL QADIR KHAN)
 for
 DIRECTOR,
 METEOROLOGICAL SERVICE

Government of Pakistan
Pakistan Meteorological Department
Geophysical Institute
Post Box No.2, Quetta

PAKISTAN

No. SS-9(2)/63/

Quetta, the 12th August, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong
Kr-Karachi

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 1st August to 8th August, 1965

<u>Continuation:</u>				<u>August, 1965</u>			
July, 1965.							
1	Wr Qt	P iP e(S)	09 29 54 30 14.4d 38 36.4	2	Qt	eP eX eX	17 02 23.7 04 38.0 05 49.6
1	Qt	eP	14 18 58.3	2	Wr Qt	P eP eX	02 25 17 54 46.4 19 27 06 30 06.8 31.9
1	Wr Qt	P iP eS	15 11 47 12 24.4d 20 05.7	2	Qt	eP	23 01 56.5
1	Wr Qt	P eP eS	16 50 30 51 05.7 59 04.6	3	Qt Wr Lh	iP P P	02 21 20.6c 23 34
1	Wr Qt	P eP eS	18 33 41 34 27.3 35 40.2	3	Lh Qt	P S eP eS	07 04 02 05 15 04 14.5 05 33.5
1	Wr Qt	P iP eS	20 13 28 14 18.5d 18 20.6	3	Wr Qt	P eP e(S)	07 39 10 40 02.9 44 02.8
2	Qt Wr	ePKP ePP ePKP	00 03 23.5d 05 11.2 03 35	3	Qt	eP	08 40 49.6
2	Qt	eP	04 54 34.2	3	Qt	eP	10 02 50.9
2	Qt	eP e(S)	05 00 51.0 04 43.2	3	Qt	eP e(S)	12 15 01.4 16 24.1
2	Wr Qt	P S eP eS	11 33 59 34 28 47.2 35 59.4	3	Qt	eP	15 07 51.6
2	Qt	eP e(S)	13 38 33.1 49 32.4	3	Qt	eP	15 50 02.3 51 19.6
			Mu 32.3	3	Qt	eP	19 22 49.6
			Sec 20	3	Qt	eP	20 17 42.5
	Wr	P	13 38 40	4	Qt	eP iX	01 24 50.6d 25 18.4
2	Qt	eP	14 53 33.4	4	Qt	eP	06 07 51.6

August, 1965

4	Qt	eP	08 17	15.7
4	Qt	eP	10 17	37.5
		eX		49.1
4	Qt	eP	13 59	27.4
4	Qt	eP	19 21	47.7c
4	Wr	P	19 44	12
		S		51
	Lh	P		47
		S	45	51
	Qt	iP		16.9d
		eS	46	48.1

H - 19:43:19.0
37.1 N, 72.1 E,
Tadzhik, S.S.R.
depth about 230 km.

4	Qt	iP	21 37	14.6c
5	Lh	P	00 20	04
	Wr	P		19
	Qt	eP		36.6
		ePP	24	04.5
		e(S)	31	04.0

Mu Sec
PK 0.1 1.0

5	Qt	eP	04 22	32.6
		eS	23	48.5
5	Qt	eP	07 47	26.1
		e(S)	48	55.0
5	Qt	eP	19 57	02.6d
		eS	20 02	50.8
6	Qt	iP	02 11	27.5d
		e(S)	22	05.8
6	Qt	eP	04 48	42.6
		e(S)	51	18.0
		iX	53	01.0
6	Qt	eP	05 59	06.5
		e(S)	06 01	31.1
		iX	03	22.0
6	Qt	iP	17 59	23.2d
6	Qt	iP	18 23	33.0d
		eS	30	17.0
7	Qt	eP	07 00	01.7d
7	Qt	eP	06 54	46.8
		eS	56	28.2
7	Qt	eP	11 34	41.4
		eS	36	12.6

August, 1965

7	Qt	eP	12 50	51.5
7	Qt	eP	13 36	25.8
7	Qt	eP	14 16	08.6
7	Qt	eP	16 19	01.5
7	Qt	eP	22 43	27.5c
8	Qt	eP	03 40	38.7
		e(S)	42	06.1
8	Qt	eP	04 42	47.8
8	Qt	eP	05 31	10.5
8	Qt	eP	06 51	15.6
8	Qt	eP	06 54	04.2
8	Qt	iP	09 56	56.0
		eS	10 05	27.2
8	Qt	eP	13 01	39.7
8	Qt	eP	16 17	30.2
		eS	18	00.1

(ABDUL QADIR KHAN)
for
DIRECTOR,
METEOROLOGICAL SERVICE.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO.2, QUETTA

PAKISTAN

No.SS-9(2)/63/

Quetta, the 18th August, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi,
 x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 9th to 15th August, 1965.

Additional

August, 1965

6	Ch	eP	18	21	48
		eS		27	00
8	Ch	eP	09	54	01
8	Ch	eP	13	01	00

Continuation:
August, 1965

9	Qt	iP	03	41	50.6d
9	Qt	eP	05	25	22.2
9	Qt	eP	07	47	56.3
9	Qt	eP	09	20	31.2d
9	Wr	P	10	15	56
	Qt	eP			58.3c
9	Wr	P	13	13	30
	Qt	eP		14	04.3
9	Qt	eP	16	49	45.3
9	Qt	eP	17	39	06.4d
9	Qt	iP	18	56	23.5c
		eS		57	44.3
9	Qt	eP	23	31	52.3
		eX		35	19.2
	Wr	P		32	04
10	Qt	iP	11	27	03.9d
10	Qt	eP	23	22	45.3c
		iS		24	07.2
11	Lh	P	03	54	41
		SKS	04	05	20
	Wr	P	03	54	55
	Qt	eP		55	09.8
		eSKS	04	05	54.6
		eS		06	41.6

August, 1965

11	Qt	eP	17	18	15.2
11	Qt	iP	18	05	42.4d
		eS			55.6
	Wr	P		07	01
11	Qt	eP	18	19	43.4
		e(S)		20	25.4
11	Wr	P	18	41	56
	Lh	P		42	05
	Qt	eP			22.4c
		ePP		45	41.8
		eS		52	53.8
11	Lh	P	20	06	14
	Qt	eP			43.2
11	Wr	P	20	09	47
	Qt	iP		10	10.8d
		eX		13	09.3
11	Qt	eP	20	28	10.3d
11	Lh	P	22	45	33
	Qt	eP		46	02.8d
		iX		49	44.8
12	Qt	iP	01	57	58.2c
12	Qt	iP	03	40	05.2d

PAKISTAN

No.SS-9(2)/63/

Quetta, the 18th August, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi,

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 9th to 15th August, 1965.

Additional

August, 1965

6	Ch	eP	18	21	48
		eS		27	00
8	Ch	eP	09	54	01
8	Ch	eP	13	01	00

Continuation:

August, 1965

August, 1965

9	Qt	iP	03	41	50.6d
9	Qt	eP	05	25	22.2
9	Qt	eP	07	47	56.3
9	Qt	eP	09	20	31.2d
9	Wr	P	10	15	56
	Qt	eP			58.3c
9	Wr	P	13	13	30
	Qt	eP		14	04.3
9	Qt	eP	16	49	45.3
9	Qt	eP	17	39	06.4d
9	Qt	iP	18	56	23.5c
		eS		57	44.3
9	Qt	eP	23	31	52.3
		eX		35	19.2
	Wr	P		32	04
10	Qt	iP	11	27	03.9d
10	Qt	eP	23	22	45.3c
		iS		24	07.2
11	Lh	P	03	54	41
		SKS	04	05	20
	Wr	P	03	54	55
	Qt	eP		55	09.8
		eSKS	04	05	54.6
		eS		06	41.6

11	Qt	eP	17	18	15.2
11	Qt	iP	18	05	42.4d
		eS			55.6
	Wr	P		07	01
11	Qt	eP	18	19	43.4
		e(S)		20	25.4
11	Wr	P	18	41	56
	Lh	P		42	05
	Qt	eP			22.4c
		ePP		45	41.8
		eS		52	53.8
11	Lh	P	20	06	14
	Qt	eP			43.2
11	Wr	P	20	09	47
	Qt	iP		10	10.8d
		eX		13	09.3
11	Qt	eP	20	28	10.3d
11	Lh	P	22	45	33
	Qt	eP		46	02.8d
		iX		49	44.8
12	Qt	iP	01	57	58.2c
12	Qt	iP	03	40	05.2d

August, 1965

12 Ch P 08 14 11
 Lh8 P 15 31
 SKS 26 07
 Wr P 15 45
 Qt eP 58.1
 eSKS 26 41.2
 eS 27 11.5

12 Qt eP 08 20 07.9

12 Ch P 13 07 48
 S 16 36
 Lh P 09 28
 Wr P 42
 S 20 10
 Qt iP 09 58.8c
 iP 10 07.9
 eSKS 20 33.8
 eS 50.5

Mu Sec

MH : 22.5 20

$\Delta = 90^{\circ}.6$

Mag : 6.5(Qt)

12 Qt iP 16 33 11.8d

12 Wr P 17 19 50

S 20 25

Lh P 30

S 21 35

Qt iP 20 42.3d

iS 22 00.1

Mu Sec
 PZ : 0.02 0.6

$\Delta = 60.9$

H : 17:19:02

36.6N, 70.2E

depth about 200 km

Hindukush

Mag: 4.5(Qt)

12 Qt eP 18 07 41.8d

13 Qt eP 01 14 08.2

Wr P 12

13 Wr P 01 19 50

S 20 18

Qt eP 52.8d

eS 22 10.3

13 Qt eP 09 44 16.3

13 Qt iP 11 08 27.4d

iS 09 47.8

13 Qt iP 12 06 46.5c

13 Qt iP 12 15 30.3d

iS 16 47.3

13 Qt eP 12 54 49.8

epP 59 14.7

eSKS 13 05 35.8

August, 1965

13 Qt eP 18 15 03.8

13 Qt eP 22 10 15.1

eS 20 42.8

Mu Sec

MH : 3.1 20

$\Delta = 85^{\circ}.6$

Mag : 6.0(Qt)

14 Qt eP 05 24 09.9c

14 Qt eP 11 26 14

ONSET POOR

14 Qt eP 13 35 38.3

14 Qt iP 17 16 47.2c

iS 18 18.6

15 Qt eP 00 58 23.2c

15 Wr P 06 00 31

S 01 03

Lh P 10

S 02 11

Qt iP 01 30.7d

iS 02 49.7

Mu Sec

PZ : 0.08 0.7

$\Delta = 7^{\circ}.0$

H : 05 :59: 50

36.2N, 71.3E

depth about 200 km

Hindukush

Mag: 5.1(Qt)

15 Qt eP 08 04 24.1

15 Qt eP 16 15 08.6

15 Wr P 19 55 48

S 56 18

Lh P 29

S 57 28

Qt eP 56 54.3

iS 58 14.2

H : 19 55 12

36.2N, 71.6E

depth about 160 km

Hindukush

(ABDUL QADIR KHAN)
 for Director,
 Meteorological Service.

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PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. "2" QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the August '65

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 16th to 23rd August, 1965

Additional
August '65

9	Lh	eP	23	32	06.0
10	Wr	eP	23	21	43.3
		eS		22	11.3
11	Ch	eP	03	53	25
		eS	04	03	34
11	Ch	eP	20	05	00
		eS		15	16
11	Ch	eP	20	26	21
		eS		36	38
11	Ch	eP	22	44	15
		eS		54	29
13	Wr	iP	11	07	27.8d
		iS		08	00.0
	Lh	eP			06.5
		eS		09	08.5
13	Wr	iP	12	14	36.0d
		iS		15	11.2
13	Wr	eP	12	54	34.2
13	Wr	eP	18	14	41.0
13	Wr	eP	22	09	59.0
14	Wr	iP	17	15	42.7d
		iS		16	17.4
	Lh	eP			16.3
		eS		17	23.0

Continuation
August '65.

16	Wr	P	04	49	01
	Qt	eP			06.3
16	Qt	eP	09	05	21.2d
		iP			22.2c
		iS		06	47.2
16	Qt	iP	10	01	22.6d
16	Qt	eP	12	36	03.2d
16	Qt	eP	12	38	47.6d
16	Qt	iP	12	49	11.1c
		ePP		52	40.4
		e ^{SKS}		59	41.3
		iS			55.8
		Mu			Sec
		PZ : 0.1			1.2
		MH : 14.8			20
		△ : 8992			
Wr	P		12	49	29
Lh	P				40
		Mag: 6.2(Qt)			

August '65

16	Qt	eP	14	56	41.7
16	Qt	eP	15	17	32.9d
		iS		18	58.3
16	Wr	P	17	20	55
	Qt	eP		21	23.2d
16	Qt	eP	20	05	36.1c
16	Qt	eP	20	43	17.2
16	Qt	eP	21	56	15.7
16	Qt	iP	22	18	46.3c
		eS		20	03.2
16	Qt	eP	22	46	38.8c
17	Wr	P	07	45	33
	Qt	iP			55.7c
		eS		53	55.8
17	Qt	iP	07	50	24.7c
	Wr	P			54
17	Wr	P	08	15	20
	Qt	iP			43.3c

August '65

17	Ch	eP	10	39	11
		eS		42	33
	Lh	P		41	39
		S		46	57
	Wr	P		42	11
		S		47	50
	Qt	eP		42	12.8c
		iS		48	00.2
			Mu		Sec
		PZ :	0.1		1.0
		Δ :	37 ^o .6		
		Mag:-	5.5(Qt)		
17	Qt	eP	11	20	09.7c
17	Wr	P	11	26	46
	Qt	eP		27	007,c
17	Qt	iP	12	59	46.5c
17	Lh	P	13	16	27
	Qt	iP			58.2d
17	Qt	eP	13	28	27.9
			Onset, Poor		
17	Wr	P	14	21	16
	Qt	eP			18.2
17	Qt	eP	20	03	00.2
18	Wr	P	00	49	33
		S		50	06
	Qt	eP			27.3
		iS		51	43.6
			H: 00 48 48		
			Hindukush Region.		
18	Qt	eP	02	57	10.6
18	Qt	eP	05	00	48.2
		eS		01	59.8
18	Qt	eP	05	21	44.9
18	Wr	P	08	09	36
	Qt	eP		10	18.8
		eS		12	38.2
18	Qt	eP	10	21	28.3c
	Wr	P			55
18	Qt	iP	11	24	17.7c
18	Qt	eP	16	21	24.7
18	Qt	eP	19	01	11.8d
19	Qt	eP		24	52.7
		eS		26	51.5
			Onset Poor		
19	Qt	iP	00	59	26.7c
19	Qt	iP	02	43	59.3c
	Wr	P		44	39
19	Qt	eP	17	46	59.2
19	Qt	eP	18	27	04.3d
19	Lh	P	19	56	08
	Wr	P			20
		S		20	03
	Qt	iP	19	56	52.7d
		eS		20	04
20	Wr	P	02	03	53
	Qt	eP		04	53.3
		eS		07	05.5
20	Ch	P	06	02	43
	Lh	P		04	49
		S		12	54
	Wr	P		05	10
		S		13	34
			PKPPKP	33	08
	Qt	iP		05	22.8c
		iS		13	59.2
		ePKPPKP			29.2

August '65.

20	Qt	eP	08	41	25.7d
20	Wr	P	10	02	03
	Qt	iP			03.1d
		ePP		04	48.4
		eS		11	36.2
			Mu		Sec
		MH:	2.8		20
		Δ :	74 ^o .8		
	Lh	P	10	02	11
	Ch	P			39
			Mag:-	5.9(Qt)	
20	Qt	iP	12	14	12.8d
20	Qt	iP	13	03	25.2d
		eS		04	39.7
20	Qt	eP	15	07	58.7
20	Wr	P	21	40	37
	Qt	eP			42.7d
		eS		47	43.3
			Mu		Sec
		MH:	2.5		20
		Δ :	48 ^o .9		
		Mag:-	5.7(Qt)		
20	Qt	eP	21	50	31.5
20	Qt	eP	22	18	11.2c
21	Wr	P	01	10	30
	Qt	eP		11	00.2
21	Qt	eP	15	13	14.3c
		eS		20	24.3
			Mu		Sec
		MH:	1.9		20
		Δ :	50 ^o .5		
		Mag:-	5.6(Qt)		
21	Qt	eP	17	09	19.3
21	Qt	eP	23	31	33.7
21	Qt	eP	23	36	07.3
22	Qt	eP	03	24	20.6
22	Qt	eP	08	03	07.4
22	Qt	eP	10	58	46.3d
22	Qt	eP	21	12	28.5d
22	Qt	eP	22	42	24.6d
		eS		44	14.2
23	Qt	eP	03	26	31.2
23	Qt	iP	14	03	37.9c
		iS		04	53.4
23	Qt	iP	14	15	46.3c
		eS		21	08.6
	Wr	P		15	59
	Lh	P		16	29
23	Lh	PKP	20	05	14
	Qt	iPKP			15.1 d
		ePP		07	15.2
		iPKS		08	44.3
23	Qt	iP	21	48	54.3d
23	Qt	eP	22	22	33.9
			Onset Poor		
23	Qt	iP	22	47	30.2c
		iS			58.8
	Wr	P			32
			H: 22 46 42		
			Sind Region West Pakistan		
23	Qt	eP	23	33	02.3 c

(Abdul Qadir Khan)
for DIRECTOR,
Meteorological Service.

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No. SS-9(2)/63/

Quetta, the August '65

Qt-Quetta, Lh-Lahore, Wr-Warsak Ch-Chittagong, Kr-Karachi

x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 24th to 31st August, 1965

Additional
August '65

16	Wr	eP	20	05	38.8
17	Wr	eP	13	00	44.8
17	Wr	eP	13	16	44.3
19	Ch	eP	19	54	38
20	Kr	iP	06	05	12.4d
		iS		13	38.8
20	Wr	eP	08	41	07.4
20	Wr	eP	13	02	25.0
		eS			53.8
21	Lh	eP	15	12	44.5
		eS		19	30.0
	Wr	iP		13	03.3c
		eS		20	19.3
23	Kr	eP	14	16	19.0
23	Ch	eP	20	05	29
23	Lh	eP	22	22	07.3
23	Kr	eP	22	48	24.9

Continuation
August '65.

24	Qt	eP	01	15	35.6
24	Qt	iP	01	18	11.7d
	Wr	P			31
24	Wr	P	01	20	04
	Qt	eP			10.8
24	Qt	eP	04	59	39.4
24	Qt	iP	07	25	12.9c
24	Qt	iP	07	28	23.3d
24	Qt	eP	10	10	08.7c
24	Qt	iP	11	08	49.3d
		eS		10	20.7
24	Qt	eP	11	56	28.5
	Onset	Poor			
24	Qt	eP	13	25	03.3
		ePP		28	24.7
		eKS		35	33.2
		iS			45.1
		Mu			Sec
	MH :	2.1			20
	△ :	88°			6
	Mag :-	5.9			(Qt)

August '65.

24	Qt	eP	13	32	02.4
24	Qt	iP	14	15	11.6c
24	Qt	eP	15	59	34.2
	Onset	poor			
24	Qt	eP	18	26	50-7
		eS		28	12.8
25	Qt	iP	00	35	44.3d
		iS		36	44.2
25	Qt	eP	02	06	33.6
	Onset	poor			
25	Qt	eP	05	04	44.3d
		eS		10	20.2
		Mu			Sec
	MH :	0.6			20
	△ :	36°			0
	Mag:-	5.1			(Qt)
	Wr	P	05	05	06
25	Qt	eP	06	01	22.3
	Onset	poor			
25	Qt	eP	15	12	35.6c
25	Qt	eP	17	04	14.5c
25	Qt	eP	17	29	00.6c

August '65

25	Qt	eP	17	56	15.3d
25	Wr	P	18	31	36
		S		32	15
	Qt	iP			14.2d
		eS		33	29.3
25	Qt	eP	20	11	59.8
		eS		12	11.9
25	Qt	eP	22	21	33.2
		eS		22	25.6
26	Qt	iP	15	18	56.8c
26	Qt	eP	15	21	37.2
26	Qt	iP	20	55	52.7d
		iS		57	19.2
26	Qt	eP	22	41	44.8
27	Qt	eP	04	27	29.1
	Wr	P		28	15.7
27	Qt	eP	07	21	35.1
27	Qt	iP	11	24	34.2c
		eS		26	15.7
27	Qt	eP	15	43	07.8c
27	Wr	P	18	32	00
	Qt	iP			36.2c
		iPP			47.2
		eS		41	03.2
				Mu	Sec.
		MH:	0.4		20
		Δ :	63 ^o .1		
		Mag:-	5.3(Qt)		
28	Qt	eP	00	58	18.2c
28	Qt	eP	04	31	45.7
28	Qt	eP	09	33	14.4
		eS		34	40.9
28	Qt	eP	10	21	28.8
28	Qt	iP	10	51	07.6d
28	Qt	eP	13	24	54.8
28	Qt	iP	17	59	45.6c
		iS		18	01 02.1
28	Qt	eP	20	02	49.4c
28	Qt	eP	20	46	03.2
		eS		47	33.4
29	Qt	iP	02	04	59.8c
29	Qt	eP	02	08	16.7
29	Qt	iP	10	43	24.1c
29	Qt	eP	13	05	19.2
29	Qt	eP	14	15	06.7
29	Qt	eP	16	08	08.8
29	Qt	eP	21	54	50.1
30	Qt	iP	09	38	38.3c
30	Qt	eP	14	10	54.8d
30	Qt	eP	16	06	59.3

August '65

30	Wr	P	18	18	42
	Qt	iP			43.7c
30	Qt	iP	19	58	17.4
		eS		59	03.2
	Wr	P			37
30	Wr	P	20	31	31
		S		33	02
	Qt	eP		32	45.2d
30	Qt	iP	20	33	23.3d
31	Qt	eP	00	50	22.7d
31	Qt	iP	03	04	49.6d
31	Qt	iP	03	52	33.5d
31	Qt	iP	05	53	17.5d
		iS		54	37.6
31	Qt	eP	06	02	14.6
31	Qt	iP	07	34	57.6d
		iS		39	14.4
				Mu	Sec.
		MH	23.5		20
		Δ :	24 ^o .7		
		Mag:	6.0(Qt)		
31	Qt	eP	07	59	12.7
31	Qt	eP	08	14	48.3
31	Qt	eP	17	50	31.7c
		eS		51	47.2
31	Qt	iP	19	54	04.2d
31	Qt	eP	23	03	14.1c
31	Qt	eP	23	37	18.8c

(ABDUL QADIR KHAN)
for
DIRECTOR
METEOROLOGICAL SERVICE.

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No. SS-9(2)/64/

Quetta, the _____ September, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla.

x-Unidentified Phase, c-Compression, d-Dilatation

Provisional Readings at Seismological Stations from 1st to 8th September, 1965

Additional

August, 1965

24	Wr	eP	10	10	19.5	
24	Wr	eP	13	24	36.0	
25	Wr	eP	05	05	05.9	
25	Ml	eP	18	31	49.8	
		eS		32	45.4	
	Lh	eP			05.0c	
		eS		33	16.0	
25	Wr	eP	20	10	54.4	
		eS		11	17.0	
25	Kr	eP	22	21	06.3	
		eS			33.8	
26	Wr	eP	20	54	47.2c	
		iS		55	15.8	
	Ml	eP			06.3	
		eS			54.0	
	Lh	eP			25.2	
		eS		56	29.0	
27	Wr	eP	11	23	26.8	
27	Lh	eP	18	31	56.2	
28	Wr	eP	04	30	43.8	
28	Wr	eP	17	58	50.1	
		eS		59	23.3	
	Lh	eP			31.0	
		eS		18	00	35.0
28	Wr	eP	20	44	53.8	
		eS		45	35.6	
29	Wr	eP	02	04	54.6	
29	Wr	eP	13	04	38.1	
30	Lh	eP	18	18	14.0c	
31	Wr	eP	03	52	29.2	
31	Wr	iP	05	52	13.4d	
		iS			43.1	
31	Wr	eP	06	02	34.0	
31	Wr	eP	07	35	12.8	
31	Wr	iP	17	49	28.3d	
		iS			54.7	
	Ml	eP			55.5	
		eS		50	28.6	
31	Lh	eP	19	53	24.8	

Continuation:
September, 1965

1	Wr	P	04	38	23
	Qt	iP		39	00.3d
		eS		46	51.8

September, 1965

1	Wr	P	05	06	16
	Qt	eP			20.3
		eS		13	12.2

September, 1965

1	Qt	iP	05 39	33.9d
		iS	40	05.2
	Wr	P		51
1	Qt	eP	06 52	27.7c
1	Wr	P	06 55	26
	Qt	eP	56	32.2
		iS	07 02	55.3
Onset Poor				
1	Qt	eP	07 52	28.1c
		eX	54	16.1
1	Qt	eP	14 23	03.2
	Wr	P		19
1	Qt	eP	17 04	00.2
1	Qt	iP	18 14	22.1d
		ePP		30.2
1	Qt	eP	20 36	21.7
1	Qt	eP	23 22	03.3
2	Qt	eP	00 31	08.3d
2	Qt	iP	04 38	30.7c
		ePP	41	22.4
		iS	48	16.2

PZ : $\frac{\text{Mu}}{0.14}$ $\frac{\text{Sec}}{1.0}$
 MH : 2.2 20
 $\Delta = 77^\circ.0$
 Mag = 5.9(Qt)

2	Qt	eP	06 50	51.7c
2	Qt	iP	18 13	10.9c
2	Qt	eP	18 32	42.6
		eS	33	38.9
2	Qt	eP	19 39	23.2
3	Qt	eP	00 31	19.1c
3	Qt	iP	01 28	32.6d
3	Qt	eP	06 03	23.7c
3	Qt	eP	06 14	56.8
3	Qt	eP	13 45	04.6
3	Qt	eP	16 30	45.1
3	Qt	eP	20 22	14.7d
3	Qt	eP	20 58	33.9
3	Qt	eP	21 51	47.9c
		iPP	52	03.4
		eS	22 01	44.8
3	Qt	eP	22 00	40.8
4	Lh	P	08 00	49
	Qt	iP	01	13.9c
		ePP	04	23.8
		eS	11	38.2

PZ : $\frac{\text{Mu}}{0.1}$ $\frac{\text{Sec}}{1.2}$
 MH : 2.5 20
 $\Delta = 84^\circ.8$
 Mag = 5.9(Qt)

4	Qt	iP	09 50	19.7d
4	Qt	eP	10 19	45.2
4	Lh	P	10 30	02
	Qt	iP		40.1
		iS	39	32.4

PZ : $\frac{\text{Mu}}{11.0}$ $\frac{\text{Sec}}{20}$
 MH : 2.5 20
 $\Delta = 67^\circ.5$
 Mag = 6.2(Qt)

September, 1965

4	Qt	eP	12 44	42.1
4	Lh	P	14 45	10
	Qt	iP		28.2c
		e(S)	55	59.4
4	Qt	eP	20 01	16.8
4	Qt	iP	21 44	14.2c
4	Qt	ePKP	21 57	40.2
5	Qt	eP	17 10	04.5
		eS	11	55.3
5	Qt	eP	20 17	02.1
5	Qt	eP	23 57	42.7
		eX		50.3
6	Qt	eP	01 54	56.8
6	Qt	eP	02 41	50.3d
6	Wr	P	03 26	58
	Qt	eP	27	27.4
6	Qt	iP	04 18	11.3d
6	Qt	eP	11 53	22.7d
6	Qt	iP	13 35	42.2d
		iS	36	58.7
6	Qt	eP	17 24	45.9
6	Qt	eP	18 18	19.9c
6	Qt	eP	19 28	10.7c
6	Qt	iP	19 35	14.2d
		i(S)	36	16.9
6	Qt	iP	20 40	08.8d
6	Qt	eP	21 32	50.8c
6	Qt	eP	22 20	25.2
7	Wr	P	04 39	39
		S	40	06
	Qt	eP		17.2
		eX		29.8
		eS	41	41.3
7	Qt	eP	05 44	32.9
7	Wr	P	07 07	45
	Qt	eP	08	15.9c
		eS	17	12.4

MH : $\frac{\text{Mu}}{1.5}$ $\frac{\text{Sec}}{20}$
 $\Delta = 68^\circ.1$
 Mag : 5.7(Qt)

7	Qt	eP	11 32	13.9
7	Qt	eP	15 40	07.6
7	Wr	P	15 50	25
	Qt	eP		51.2
7	Qt	eP	16 09	51.2
7	Qt	iP	22 55	54.7d
8	Qt	iP	01 19	24.1d
8	Qt	eP	03 39	04.2d
		e(S)	49	39.7
8	Qt	iP	04 33	30.2d
		eS	34	51.8
8	Qt	eP	07 12	36.7d
8	Qt	eP	11 29	19.3d
		e(S)	39	48.1

(ABDUL QADIR KHAN)
 for Director,
 Meteorological Service

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No. SS-9(2)/63/

Quetta, the _____ September, 1965

Qt-Quetta; Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, ~~Ml-Mangla~~.
x-Unidentified Phase, c-Compression
d-Dilatation

Provisional Readings at Seismological Stations from 9th Sept. to 15th Sept. 1965

Additional
September, 1965.

4 Kr eP 14 45 49

Continuation

September, '65

9 Qt eP 03 11 58
9 Lh P 04 49 17
Wr P 21
Qt eP 57
9 Wr PKP 10 21 42
Qt ePKP 45
ePP 24 17
ePKS 25 14
eSSP 42 25

Mu Sec
MH: 5.4 20
 $\Delta = 133.6$
Mag = 6.3(Qt)

9 Wr P 12 11 27
S 12 07
Ml P 11 42
S 12 34
Qt iP 31d
iS 14 03

Mu Sec
PZ : 0.05 0.7
 $\Delta = 80.2$
H = 12 10 34
37.3N, 71.8E
Tadzhik SSR
Depth about 220 km.
Mag: 4.9(Qt)

9 Qt eP 13 13 52
9 Qt eP 19 07 44
9 Qt eP 21 46 53

9 Wr P 23 32 04
S 37
Ml P 27
S 33 14
Lh P 32 46
S 33 47
Qt iP 03d
iS 34 20

Mu Sec
PZ : 0.06 0.7
 $\Delta = 60.8$
H = 23 31 25
36.1N, 70.7E
HINDUKUSH
depth about 200 km.
Mag: 5.0(Qt)

10 Qt iP 03 02 23c
10 Qt eP 04 31 47
10 Qt eP 13 11 51
10 Qt eP 15 11 58
10 Qt eP 19 35 56
eS 44 09

Mu Sec
MH = 0.7 20
 $\Delta = 600.7$
Mag = 5.4(Qt)

10 Qt eP 23 16 44
11 Qt iP 01 58 25d
11 Qt iP 03 19 30d
iS 20 51
11 Qt eP 04 56 33
11 Qt eP 06 18 06c
iS 19 24

11 Ch P 07 03 45
S 12 29
Lh P 05 23
S 15 38
Qt iP 05 50
iSKS 16 20
iS 40

Mu Sec
PZ : 0.18 1.3
MH : 7.2 20
 $\Delta = 90.4$
Mag = 6.2(Qt)

September, 1965

11	Qt	eP	07	31	37
11	Qt	iP	09	45	11d
		iS		46	28
11	Qt	iP	11	14	57d
		iS		16	28
11	Qt	eP	16	04	21d
		epP			37
11	Qt	eP	17	31	50d
11	Qt	eP	20	03	38
12	Qt	eP	00	14	17
12	Wr	P	03	22	03
	Qt	iP			31d
12	Ch	P	08	50	54
		S		59	35
Lh	P			52	33
		S	09	02	45
Wr	P		08	52	47
		S	09	03	10
Qt	iP		08	53	03
	ePP			56	38
	iSKS		09	03	31
	iS				41
	ePS			04	49
	ePPS			05	24
	eSS			09	34

Mu Sec

PZ : 0.13 1.2
 MH : 4.9 20
 $\Delta = 88^{\circ}.0$
 Mag : 6.0(Qt)

12	Qt	eP	08	58	35
12	Qt	eP	09	14	51
12	Wr	P	12	00	01
	Qt	eP			40
		eS		02	50
12	Qt	eP	12	31	54
12	Qt	eP	12	33	51
12	Wr	P	14	07	59
		S		08	39
	Qt	iP			43d
		iS		10	02
12	Qt	iP	17	12	09d
12	Qt	eP	20	32	33
12	Qt	eP	20	42	22
12	ML	P	20	57	41
		S		58	26
	Qt	eP			17
		eS		59	29
12	Qt	iP	22	05	09c

September, 1965

12	Wr	P	22	09	01
	Qt	eP			41d
		iPP		11	10
		iS		15	20

Mu Sec

PZ : 0.12 1.2
 PPZ : 0.27 1.5
 $\Delta = 36^{\circ}.5$

Lh	P		22	09	52
	S			15	43
ML	P			10	06
		Mag : 5.7(Qt)			
13	Wr	P	00	23	35
	Qt	eP			37c
13	Qt	eP	00	58	19
13	Qt	eP	07	07	20
13	Wr	P	07	15	06
		S			34
ML	P				27
		S		16	10
Qt	eP				10d
		iS		17	28

Mu Sec
 PZ : 0.01 0.7

$\Delta = 6.9$
 H = 07 14 30
 36.ON, 71.2E
 Hindukush
 depth about 180 km.
 Mag : 4.3(Qt)

13	Wr	P	13	18	30
	Lh	P			36
		S		27	23
	Qt	eP		19	02d
		eS		28	06

Mu Sec

MH : 21.2 20
 $\Delta = 69.5$
 Mag = 6.4(Qt)

13	Qt	eP	15	44	35
13	Qt	eP	15	56	11
13	Qt	eP	16	09	52
13	Qt	eP	16	35	52
	Wr	P		36	11
13	ML	P	17	40	46
		S		41	33
	Qt	eP			28
		eS		42	49
13	Qt	eP	18	28	17
13	ML	P	18	29	00
		S			44
	Qt	eP			44
		eS		31	02

September, 1965

13	Qt	eP	19	43	17
13	Qt	eP	21	42	32d
14	Qt	eP	00	09	47c
14	Qt	eP	01	56	29
14	Qt	eP	02	04	08
14	Qt	iP	04	12	19c
14	Qt	eP	06	53	02
		iS		54	33
14	Qt	eP	07	57	55c
14	Oh	P	08	34	22
		S		40	02
	Lh	P		36	38
		S		44	12
	Wr	P		37	00
		S		44	58
	Qt	eP		37	19d
		iP			20c
		cpP			31
		eS		45	31

Mu Sec

MH : 3.9 20
 $\Delta = 60.6$
 Mag = 5.9(Qt)

14	Qt	eP	09	10	57
14	Qt	eP	14	30	03c
		eX		32	54
14	Qt	eP	15	57	59
		eS		59	26
14	Qt	eP	16	28	46
14	Wr	P	18	58	17
		S			51
	ML	P			39
		S		59	28
	Lh	P		58	57
		S	19	00	02
	Qt	iP	18	59	07d
		iS	19	00	22

Mu Sec
 PZ : 0.02 0.7
 $\Delta = 6.4$
 H = 18 57 34
 36.1N, 70.1E
 Hindukush
 depth about 230 km.
 Mag: 4.3(Qt)

14	Qt	eP	21	11	06
14	Wr	P	22	03	57
	Qt	eP		04	17
		epP			28

September, 1965

14	Wr	P	22	56	38
	Qt	eP	22	57	11d
15	Qt	eP	02	08	49
15	Qt	eP	10	20	21
		iX			45
15	Qt	eP	13	34	25
15	Qt	eP	15	44	49d
15	Qt	eP	19	18	54
		iS		19	42
15	Qt	eP	21	35	21c
15	Qt	eP	22	35	55d

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 for
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P A K I S T A N

No. SS-9(2)/63/

Quetta, the _____ September, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi,
Ml-Mangla

x - Unidentified, Phase, c - Compression, d - Dilatation.

Provisional Readings at Seismological Stations from 16th to 23rd September, 1965

Additional :

September, 1965

14	Ml	eP	15	57	16.2
		eS		58	03.5
15	Ml	eP	19	18	43.1
		eS		19	23.9

Continuation:
September, 1965

16	Qt	eP	00	04	27.7
16	Qt	iP	00	54	56.8d
		eX		55	21.7
16	Lh	P	13	59	22
	Wr	P			43
		S	14	07	25
	Qt	iP		00	03.2c
		iS		08	03.1
		ePKPPKP		29	33.7
16	Qt	iP	15	53	33.1c
		eS		54	56.3
16	Qt	eP	16	38	12.6c
16	Qt	eP	21	51	18.6
16	Wr	P	23	58	34
		S		59	03
	Ml	P			00
		S			46
	Lh	P			18
	Qt	iP			29.2d
		iS	00	00	40.5

September, 1965

17	Qt	eP	01	26	19.7d
17	Wr	P	04	03	49
	Qt	eP		04	47.9c
17	Qt	eP	08	37	42.6
17	Qt	eP	11	32	45.8
		ePP		35	32.4
	Wr	P		32	51
	Lh	P		33	03
17	Qt	eP	12	17	59.5
17	Lh	P	13	08	44
	Wr	P			53
	Qt	iP		09	28.4c
17	Lh	P	13	30	25
	Wr	P			34
	Qt	eP		31	09.4c
		eS		41	16.2
17	Qt	eP	14	31	11.3
17	Lh	P	14	32	05
	Wr	P			14
	Qt	eP			48.8
17	Qt	eP	14	39	50.6d
17	Qt	eP	15	07	37.6
17	Ch	P	15	26	50
	Lh	P		28	03
	Wr	P			13
	Qt	iP			47.7c
		e(S)		37	23.6

Mu Sec

PZ : 0.12 0.7

Δ = 6^o.2

H = 23 57 58

35.9N, 70.0E

HINDUKUSH

depth about 170 km

Mag : 5.2(Qt)

September, 1965

17	Lh	P	16	30	40
		S		38	25
	ML	P		30	46
	Wr	P			56
	Qt	iP		31	30.5c
		iS		40	03.4
17	Qt	eP	17	09	30.2
17	Qt	iP	17	16	18.4d
17	Qt	eP	17	21	57.7
17	Wr	P	20	52	27
	Qt	eP			48.9c
17	Qt	eP	21	22	25.1
18	Qt	eP	04	25	27.9d
18	Qt	eP	05	07	34.3
18	Qt	eP	07	01	51.7
		eX			56.3
18	Qt	iP	07	53	44.3d
18	Qt	eP	08	23	05.6d
18	Qt	eP	08	48	02.2
18	Qt	eP	10	29	53.7
					Onset Poor
18	Qt	iP	11	15	20.7d
18	Qt	eP	11	55	11.2c
18	Qt	eP	14	51	00.0
18	Qt	iP	17	42	05.3c
		iS			30.4
18	Qt	eP	19	28	14.2
18	Qt	iP	20	08	45.1c
		eS		09	16.4
18	Qt	eP	20	59	23.6d
		e(S)	21	09	53.1
18	Qt	iP	22	13	16.9c
		eS		21	28.8
				<u>Mu</u>	<u>Sec</u>
				MH : 4.6	20
				$\Delta = 60.6$	
				Mag : 5.9(Qt)	
18	Qt	eP	22	48	14.7c
19	Qt	eP	00	32	07.1
19	Qt	eP	01	45	51.2

September, 1965

19	Qt	eP	07	20	44.9c
19	Wr	P	08	55	47
	Qt	iP			47.8c
19	Qt	eP	12	23	43.7
19	Qt	eP	12	38	30.7
19	Qt	eP	14	15	28.1d
	Wr	P			31
19	Qt	eP	14	29	39.9d
19	Wr	P	16	15	47
	Qt	eP		16	03.6
19	ML	P	17 ¹¹	05	36
		S		06	19
	Qt	eP			19.7c
		eS		07	37.2
19	Wr	P	18	01	11
		S			35
	ML	P			33
		S		02	13
	Qt	eP			15.2c
		iS		03	31.4
				<u>Mu</u>	<u>Sec</u>
				PZ : 0.01	0.7
				$\Delta = 60.5$	
				H = 18 00 40	
				35° 7' 71° 2'E	
				Hindukush	
				depth about 160 km	
				Mag: 4.2(Qt)	
19	Qt	eP	18	42	56.6
19	Qt	eP	21	13	51.6
		eS		16	06.9
20	Qt	eP	04	02	34.6
20	Wr	P	10	07	07
	Qt	eP			35.2c
20	Qt	eP	10	22	45.6
20	Qt	eP	14	53	16.5
20	Qt	eP	16	09	36.2
20	Qt	eP	17	13	35.2
20	Qt	eP	18	02	52.3d
20	Qt	iP	18	29	49.6d
20	Qt	eP	19	36	34.1
		epP			52.3
20	Qt	iP	19	39	05.7d

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No.SS-9(2)/63/

Quetta, the _____ October, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla.
 x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 24th to 30th Sept. 1965

Additional
 September, 1965

16	Ch	eP	13	57	06
		eS	14	02	35
	Ml	eP	13	59	28
16	Wr	eP	15	52	35
		eS		53	10
	Ml	eP		52	54
		eS		53	43
17	Ml	eP	15	28	02
17	Ch	eP	16	29	34
		eS		36	10
	Kr	eP		31	44
17	Lh	eP	17	08	45
17	Lh	eP	20	52	04
17	Lh	eP	21	21	51
18	Kr	eP	17	43	20
18	Kr	eP	20	10	23
18	Lh	eP	20	59	06
18	Ch	eP	22	10	20
	Lh	eP		12	34c
		eS		20	09
	Ml	eP		12	42
	Kr	eP		13	25
19	Ch	eP	08	53	02
		eS		57	19
	Ml	eP		55	31
19	Lh	eP	16	15	33
19	Lh	eP	18	01	52
		eS		02	48
19	Ml	eP	18	42	09
	Wr	eP			17
19	Wr	eP	21	13	50
		eS		14	17
20	Lh	eP	23	28	01c
21	Kr	eP	01	47	42
21	Kr	eP	06	24	55
		eS		25	25
21	Wr	eP	20	29	52
22	Lh	eP	09	46	08c

22	Ml	eP	22	14	08
22	Ch	eP	22	16	13
		eS		22	48
	Ml	eP		17	27
	Kr	eP		18	32

Continuation:
 September, 1965

24	Qt	eP	17	32	59
24	Wr	P	20	45	14
	Qt	eP			17d
24	Qt	eP	20	51	23
24	Qt	eP	23	30	29c
25	Wr	P	00	04	46
	Qt	iP		05	07c
		eS		14	41

Mu Sec
 MH : 1.5 20
 $\Delta = 75^{\circ}.0$
 Mag = 5.7(Qt)

25	Wr	P	00	22	04
	Qt	eP			28
25	Qt	iP	01	45	08d
		eS		46	29
25	Qt	eP	02	20	17
25	Qt	eP	11	08	57
25	Qt	iP	14	47	30d
25	Qt	eP	14	52	44
25	Qt	iP	15	03	50c
		eS		12	21
25	Ml	P	15	50	00
		S		51	33
	Qt	eP		51	00
		iS		53	24
25	Qt	eP	16	02	36
25	Qt	eP	16	46	21
25	Qt	eP	17	03	41c
25	Ml	P	17	39	12
	Qt	eP			56
		iS		41	13

September, 1965

25	Qt	eP	20	21	34d
		eX		22	00
26	Qt	eP	00	55	26
26	Qt	iP	04	15	39d
26	Qt	eP	07	49	18
		eS		50	38
26	Qt	eP	08	28	15
26	Qt	eP	13	59	45
26	Qt	eP	14	03	13
26	Qt	eP	15	19	30
26	Qt	eP	16	05	07
26	Qt	iP	19	51	14d
26	Wr	P	21	50	32
	Qt	iP			56d
		eS		52	05
26	Qt	iPKP	21	52	49d
		eX		54	23
26	Qt	eP	23	08	17
27	Qt	eP	01	20	34
27	Qt	iP	05	21	05c
27	Qt	eP	05	29	27
		eS		30	46
27	Qt	eP	08	43	06c
27	Wr	P	16	05	11
		S			46
	Ml	P			27
	Lh	P			52
		S		06	57
	Qt	iP			04d
		iS		07	21

Mu Sec
 PZ : 0.02 0.7
 Δ = 6^o.8
 H = 16:04:26
 36.3N, 70.3E
 Hindukush
 depth about 220 km
 Mag: 4.3(Qt)

27	Qt	eP	18	42	14
27	Wr	P	18	46	09
		S			43
	Lh	P			51
		S		47	57
	Qt	eP			01
		eS		48	14

Mu Sec
 H = 18:45:26
 36.9N, 70.1E
 HINDUKUSH
 depth about 250 km

27	Qt	eP	20	50	21
27	Qt	eP	22	04	29
		epP			43
27	Qt	eP	23	21	58
		eS		24	57
	Wr	P		23	49
28	Ml	P	00	26	51
		S		27	40
	Qt	iP			34d
		iS		28	55

September, 1965

28	Qt	eP	01	41	11
28	Qt	eP	02	11	08d
		eS		12	47
28	Qt	eP	05	25	40
28	Qt	eP	07	08	29
28	Qt	eP	07	58	10c
28	Qt	eP	08	28	39
28	Qt	eP	11	36	13
28	Qt	eP	12	18	59
29	Qt	eP	01	35	39
29	Qt	iP	02	15	54d
29	Qt	eP	05	25	33
29	Wr	P	06	20	31
	Qt	eP		21	18
29	Qt	eP	13	21	27
29	Qt	eP	14	01	50c
29	Qt	eP	15	44	10
29	Qt	eP	21	45	33
29	Qt	eP	23	31	45d
		eS		41	21
30	Wr	P	00	56	16
	Qt	eP		57	03
					Onset Poor
30	Wr	P	02	25	31
		S			59
	Qt	iP		26	34c
		iS		27	55
30	Wr	P	10	43	17
	Qt	iP			47c
30	Qt	eP	21	44	12
30	Qt	eP	22	44	18

(Abdul Qadir Khan)
 for Director,
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No. SS-9(2)/63/

Quetta, the October, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla
x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 1st to 8th October, 1965.

Correction:

September, 1965

26 Wr ip 21 50 03d
is 32

Additional
September, 1965

25 Wr ep 01 44 05
es 41

25 Lh ep 14 46 48
Wr ep 53

25 Lh ep 14 52 00
25 Lh ep 15 03 07c
Wr ip 14c

25 Wr ep 15 49 55
Lh ep 50 20
es 52 10
Qt ep 51 00
is 53 24

Mu Sec
PZ : 0.03 0.8
 $\Delta = 12^{\circ}.8$
H = 15:47:57
41.3N, 74.4E
Kirghiz SSR
depth about 33 km
Mag: 5.6(Qt)

25 Wr ep 17 03 17
25 Wr ip 17 38 51d
is 39 18
Lh ep 32
es 40 29
Qt ep 39 56
is 41 13

Mu Sec
H = 17:38:17
35.8N, 71.4E
Hindukush
depth about 160 km

25 Wr ep 20 21 29
26 Wr ep 07 48 15
es 44

September, 1965

26 Wr ipKP 21 52 58d

27 Wr ep 05 20 33
Lh ep 36

27 Wr ep 05 28 30
es 29 00

27 Ml ep 18 46 32
es 47 24

27 Wr ep 23 23 49

28 Wr (ip) 00 26 32d

is 27 15

Ml p 26 51

s 27 40

Qt ip 34d

is 28 55

Mu Sec
PZ : 0.03 0.7
 $\Delta = 7^{\circ}.1$
H = 00:25:51
36.1N, 71.2E
Hindukush
depth about 190 km
Mag: 4.5(Qt)

29 Ch ep 06 18 51
Ml ep 21 40

29 Wr ep 23 31 26
30 Wr (p) 02 25 31d

is 59

Ml ep 25 53

Lh es 26 42

es 26 22

Qt ep 27 16

is 26 34c

is 27 55

Mu Sec
PZ: 0.02 0.5
 $\Delta = 7^{\circ}.1$
H = 02:24:52
36.3N, 70.8E
Hindukush
depth about 160 km
Mag: 4.8(Qt)

October, 1965

5	Qt	iP	09	51	56.7c
		es		57	54.2
				<u>Mu</u>	<u>Sec</u>
				MH: 2.0	20
				$\Delta = 39^{\circ}.1$	
				Mag= 5.5(Qt)	
5	Qt	eP	10	32	41.6
		es		34	02.2
5	Qt	eP	13	36	35.6
				Onset Poor	
5	Qt	eP	13	39	01.6
5	Qt	eP	15	58	17.2d
5	Qt	eP	23	40	19.7
6	Qt	eP	02	36	49.6
		es		37	58.8
6	Qt	eP	02	50	01.7
		es		51	20.5
6	Wr	P	08	07	55
	Qt	iP		08	30.8d
		es		13	04.4
6	Wr	P	15	35	51
		S		36	26
	Lh	P			34
		S		37	40
	Qt	eP		36	44.5c
		iS		38	01.7

Mu Sec
 PZ : 0.06 0.7
 $\Delta = 6^{\circ}.8$
 H = 15:36:06
 36.3N, 70.0E
 Hindukush
 depth about 220 km
 Mag: 4.9(Qt)

6	Wr	P	16	44	32
		S		45	04
	Lh	P			11
		S		46	12
	Qt	eP		45	30.2d
		iS		46	48.6

Mu Sec
 PZ : 0.03 0.7
 $\Delta = 7^{\circ}.0$
 H = 16:43:50
 36.0N, 71.0E
 Hindukush
 depth about 250 km
 Mag: 4.5(Qt)

6	Qt	eP	17	23	12.5
6	Qt	iP	18	06	54.3d
6	Qt	eP	19	34	02.5
6	Qt	iP	19	51	40.0d
		epP			51.1

October, 1965

6	Wr	P	22	42	02
		S			31
	Ml	P			24
		S		43	09
	Lh	P		42	42
		S		43	43
	Qt	eP			04.1d
		iS		44	23.3

Mu Sec
 PZ : 0.05 0.7
 $\Delta = 7^{\circ}.0$
 H = 22:41:23
 36.1N, 71.1E
 Hindukush
 depth about 190 km
 Mag: 4.9(Qt)

6	Qt	eP	23	28	51.4
7	Qt	eP	01	02	30.1
7	Qt	iP	03	44	34.2c
		iS		51	30.8

Mu Sec
 PZ : 0.08 0.9
 MH: 5.7 20
 $\Delta = 48^{\circ}.4$
 Mag* 5.8(Qt)

7	Qt	eP	06	37	24.5
7	Qt	iP	07	16	22.8d
7	Qt	eP	07	33	51.6
		e(S)		35	09.6
7	Qt	eP	08	27	12.7d
7	Qt	eP	09	34	40.7d
		epP			50.6
		iS		39	20.3

Mu Sec
 MH: 1.3 20
 $\Delta = 27^{\circ}.8$
 Mag= 5.2(Qt)

7	Qt	eP	14	02	03.7
7	Qt	eP	14	18	41.0
		epP			52.2
7	Qt	eP	17	23	34.0d
7	Qt	eP	19	02	25.2
7	Qt	eP	20	04	09.7c
8	Qt	eP	01	51	47.1d
8	Qt	eP	03	45	53.1
8	Qt	iP	06	04	48.2c
		epP		05	13.1
		epcP		08	52.3
8	Qt	eP	07	37	28.6

October, 1965

8	03	58.4
8	50	38.5
8	30	05.4
		15.2
8	14	59.3c
8	44	54.2c
	55	11.9

Mu Sec
 PZ: 0.06 1.1
 MH: 1.0 20
 $\Delta = 83^{\circ}.5$
 Mag: 5.6(t)

8	16	56	15.1c
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Mu Sec
 PZ: 0.08
 MH: 2.7
 $\Delta = 48^{\circ}.4$
 Mag: 5.8(t)

8	03	03.7
8	18	41.0
8	23	23.3
8	03	28.3
8	04	08.7c
8	01	47.1c
8	03	23.1
8	06	48.3c
8	02	13.1
8	08	22.3
8	07	28.6

October, 1965

8	03	29.3	
8	22	18	43.1c
8	22	48	02.2
8	23	53	51.9c

(Abdul Qadir Khan)
 for
 Director,
 Meteorological Service.

8	12	35	21
8	36	28	
8	34	34	
8	37	40	
8	36	44.3c	
8	38	01.7	

Mu Sec
 PZ: 0.06 0.7
 $\Delta = 60^{\circ}.8$
 H = 15:10:00
 36.3N, 70.0E
 Hindukush
 depth about 320 km
 Mag: 4.3(t)

8	16	44	33
8	45	04	
8	11	11	
8	48	13	
8	42	30.3c	
8	46	46.6	

Aslam
 12.X.65

GOVERNMENT OF PAKISTAN
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GEOPHYSICAL INSTITUTE
POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the 10/10 October, 1965

Qt-Quetta, Lh-Lahore,
x-Unidentified Phase,

Wr-Warsak, Ch-Chittagong,
c-Compression,

Kr-Karachi, Ml-Mangla
d-Dilatation.

Provisional Readings at Seismological Stations from 9th to 15th October, 1965

Additional
October, 1965

1	Wr	eP	00	00	01
	Lh	eP			10
1	Ml	eP	09	03	38
2	Wr	eP	12	45	01
3	Ml	eP	14	55	41
3	Wr	eP	21	58	33
		eS		59	06
	Ml	eP		58	58
		eS		59	44
	Qt	iP			32.0d
		iS	22	00	48.5

Mu Sec

PZ : 0.03 0.7
 Δ : 6° 7
H : 21:57:54
36.3N 70.1E
HINDUKUSH
depth about 100 km
Mag: 5.0(Qt)

October, 1965

9	Qt	iP	03	07	53.1d
		iS		09	09.3
9	Qt	eP	04	02	37.8
9	Lh	P	04	34	41
		S			53
	Wr	eP		35	06.1
		eS			38.1
	Qt	iP			55.3d
		iS	37	04.9	

Mu Sec

PZ : 0.01 0.7
 Δ : 6° 2
H : 04:34:24
32.3N, 73.8E
West Pakistan
depth about 50 Km.
Mag: 4.3(Qt)
Felt: Lahore, Gujrat, and
Hafizabad.

4	Lh	eP	01	33	52
5	Wr	eP	10	31	42
		eS		32	16
6	Ml	eP	15	36	15.6
		eS		37	04.6
6	Ml	eP	16	44	52
		eS		45	38
6	Wr	eP	18	07	00
6	Wr	eP	19	52	06
7	Lh	eP	03	43	47
	Wr	iP		44	13c
7	Wr	iP	07	32	51d
		iS		33	22
8	Lh	eP	06	04	16
8	Lh	eP	16	44	28c

9	Qt	eP	07	29	47.2
		iS		31	05.7
9	Qt	eP	07	49	47.3c
		iS		50	59.2
9	Qt	iP	13	33	56.5d
9	Qt	eP	15	59	22.0
9	Qt	eP	21	44	16.1
10	Qt	eP	00	10	17.1d
10		iS		11	34.6
10	Qt	eP	00	48	14.0
10	Qt	iP	10	30	22.9
		epP			31.0
10	Qt	iP	13	46	15.0c
		iS		47	26.6
10	Qt	iP	16	00	07.9d

Continuation:
October, 1965

9	Qt	iP	00	56	51.2d
		eS		57	24.6

October, 1965.

October, 1965

10	qt	iP	17 44 24.0d
		eS	51 11.2
		<u>Mu</u>	<u>Sec</u>
		MH: 1.6	20
		Δ: 46.8	
		Mag: 5.5(qt)	
11	qt	iP	15 03 37.4
11	qt	eP	17 19 24.5
		iS	20 43.7
11	qt	eP	19 15 41.3
11	qt	eP	20 17 39.3
		eS	19 38.4
11	qt	iP	21 44 41.3d
		eS	46 02.3
12	qt	eP	06 39 36.6
12	qt	eP	07 06 01.7c
12	qt	eP	08 29 10.6d
12	qt	eP	13 53 43.7
		iPP	56 54.4
		eS	14 04 13.3
		<u>Mu</u>	<u>Sec</u>
		MH: 5.6	20
		Δ: 85° 8	
		Mag: 6.1(qt)	
12	qt	iP	14 18 58.8c
12	qt	eP	15 11 01.6d
12	qt	eP	19 55 08.3
13	qt	iP	00 02 29.8d
13	qt	eP	04 03 25.6
13	qt	eP	15 05 01.8
13	qt	iP	15 53 02.6d
13	qt	eP	23 06 41.2d
14	qt	eP	03 47 41.2
14	qt	eP	04 34 26.6
		eS	35 49.5
		Onset Poor	
14	qt	iP	08 12 15.7d
14	qt	eP	12 32 32.3c
		eS	33 49.5
14	qt	eP	17 51 45.6
14	qt	eP	21 58 50.2
15	qt	ePKP	00 53 37.1d
		eX	56 43.1
15	qt	iP	02 16 57.2d
		iS	18 17.2
15	Lh	P	06 09 16
		S	28
	qt	eP	10 29.1c
		iS	11 40.4

H = 06: 08: 58
 32.3N, 73.8E
 West Pakistan
 depth about 50 km
 Felt: Lahore.

15	qt	iP	14 24 42.3d
		iS	30 27.2
		<u>Mu</u>	<u>Sec</u>
		PZ: 0.04	0.8
		MH: 1.1	20
		Δ: 37° 4	
		Mag: 5.3(Qt)	
15	qt	eP	19 55 39.7
15	qt	eP	20 12 19.3

(ABDUL QADIR KHAN)
 for
 Director,
 Meteorological Service.

GOVERNMENT OF PAKISTAN
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 POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the _____ October, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla
 x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 16th to 23rd October, 1965.

Additional
 October, 1965

October, 1965.

9	Wr	eP	00	58	03
9	Ml	eP	03	07	18
		eS		08	05
	Lh	eP		07	36.8
		eS		08	38.8
	Qt	iP		07	53.1d
		iS		09	09.3

10	Wr	eP	00	09	20
		eS			52
	Ml	eP			41
		eS		10	29
	Qt	eP			17.1d
		iS		11	34.6

μ Sec
 PZ : 0.12 0.5
 $\Delta = 6.6$
 H = 03:06:17
 HINDUKUSH
 depth about 250 km.
 Mag. 5.1(Qt)

H = 00:08:39
 36.0N, 70.6E
 HINDUKUSH
 depth about 220 km.

9	Ml	iP	04	34	40
Felt Mirpur					
9	Wr	iP	07	28	45d
		iS		29	13
9	Wr	iP	07	48	49d
		iS		49	14
	Ml	eP			14
		eS			59
	Lh	eP			33.0
		eS		50	31.5
	Qt	eP		49	47.3c
		iS		50	59.2

10	Wr	eP	10	29	49
10	Ml	eP	13	45	54
		eS		46	47
10	Wr	eP	17	45	52
11	Wr	eP	17	18	20
		eS			48
	Ml	eP			42
		eS		19	26
	Lh	eP			01.0
		eS		20	01.0
	Qt	eP		19	24.5
		iS		20	43.7

H = 17:17:44
 35.9N, 71.1E
 HINDUKUSH
 Depth about 190 km.

μ Sec
 PZ : 0.02 0.5
 $\Delta = 6.3$
 H = 07:48:15
 35.6N, 70.4E
 HINDUKUSH
 depth about 190 km
 Mag. 4.6(Qt).

11	Lh	eP	20	16	14.6
		eS		17	09.2
	Ml	eP		16	22
		eS		17	09
	Wr	eP		16	38
	Qt	eP		17	39
		eS		19	23

9	Wr	eP	13	33	22
---	----	----	----	----	----

μ Sec
 PZ : 0.01 0.7
 $\Delta = 10^0.1$
 H = 20:15:15
 33.8N, 78.2E
 KASHMIR
 depth about 33 km.
 Mag. 5.2(Qt)

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October, 1965

October, 1965

11	Wr	eP eS	21 44 50 45 17
12	Lh	eP eS	13 53 27.0 14 03 47.0
	Wr	eP	13 53 33
	Ch	eP	33
		eS	14 03 53
12	Wr	iP	14 19 18c
13	Ch	eP	14 59 22
14	Wr	eP	03 46 55
14	Wr	eP	04 33 32
		eS	34 02
14	Wr	eP	08 11 43
14	Wr	iP iS	12 31 29d 58
15	Ch	ePKPZ	00 53 48
15	Ml	iP	06 09 14d
15	Ch	eP eS eP	14 20 38 22 07 24 00.0

17	Qt	eP iS	01 14 16.4d 15 35.7
17	Ch	eP eS	02 04 46 14 00
	Qt	eP eS	06 49.7d 17 32.2
17	Qt	eP	04 14 08.4d
17	Qt	eP	10 28 19.3c
17	Qt	eP	11 28 27.2c
17	Qt	eP	17 12 41.5d
17	Qt	eP	18 56 59.8d
17	Qt	eP	19 09 19.4d
18	Qt	eP	01 08 14.7d
18	Qt	eP	02 50 34.1c
18	Qt	eP	10 13 42.2c
18	Qt	eP	10 20 01.9
		iS	21 23.2
18	Qt	eP	10 25 09.1d
		eS	27 47.0

Mu Sec
 PZ : 0.02 0.7
 $\Delta = 14^{\circ}.3$
 Mag = 5.0(Qt)

Continuation
 October, 1965

16	Qt	iP eS	00 17 36.8d 18 49.4
16	Qt	eP eS	06 56 55.1 50 58.6
16	Wh	iP	08 30 17d
	Qt	iP	33 09.3d
		iX	55.7
16	Qt	iP	08 34 05.5c
16	Qt	eP	09 02 05.2c
16	Qt	iP	13 52 46.2d
16	Qt	eP	14 42 06.3d
	Ch	P	37
16	Ch	P	19 34 50
	Qt	iP	39 18.4d
		ePP	30.2
		e(S)	44 44.3
16	Ch	eP	20 12 12
		eS	20 38
	Qt	eP	12 12 59.2c
		iP	13 00.2d
		iX	10.1
		eS	22 04.8

Mu Sec
 Ml: 7.0 20
 $\Delta = 69^{\circ}.9$
 Mag. 6.1(Qt)

16	Qt	eP	22 33 08.7
16	Qt	eP eS	22 57 31.6c 23 06 19.6

Mu Sec
 Ml: 3.0 20
 $\Delta = 66^{\circ}.7$
 Mag: 5.8(Qt)

18	Qt	eP	12 52 19.2
18	Qt	eP	14 49 53.7d
		eS	51 43.5
18	Qt	eP	21 06 55.7d
18	Qt	eP	21 19 01.8
		eS	20 55.5
18	Ch	P	21 57 57
		S	22 04 19
	Qt	eP	00 46.6c
		iPP	54.1
		iSP	01 00.7
		iPCP	23.2
		ePPP	05 02.3
		eS	09 34.7

Mu Sec
 PPZ 0.06 1.2
 Ml: 14.9 20
 $\Delta = 66^{\circ}.7$
 Mag = 6.2(Qt)

18	Qt	eP	23 10 06.2
18	Qt	iP	23 11 54.3c
19	Qt	eP	01 05 26.7
19	Qt	eP	01 32 47.1d
		eS	34 04.6
19	Qt	eP	09 11 03.5c
19	Qt	eP	09 58 37.7d
19	Qt	eP	14 27 38.9c
19	Qt	eP	17 26 18.2
19	Qt	eP	19 56 36.6d
		eS	57 54.0

19	Qt	eP	20 24 35.7
		iS	25 44.2

October, 1965

19	Qt	eP	21	00	32.5c
		iP!			33.9
		ipP			46.7
		ePcP			54.5
		ePP	03		27.6
		ePPP	05		12.4
		eS	10		15.4
		eScS			57.8
		eSS	15		33.4

$\underline{\text{Mu}}$ $\underline{\text{Sec}}$
 PZ : 0.16 1.2
 MH : 15.2 20
 $\Delta = 76^{\circ}.7$
 Mag : 6.2(Qt)

19	Qt	iP	23	00	31.2c
		iS		01	52.2
20	Qt	eP	00	30	39.4
20	Qt	eP	04	18	06.5
		iS		19	59.3
20	Qt	eP	10	46	28.6d
20	Qt	iP	11	20	33.4c
		iS		30	52.3

$\underline{\text{Mu}}$ $\underline{\text{Sec}}$
 PZ : 0.13 1.3
 MH : 1.5 20
 $\Delta = 83^{\circ}.8$
 Mag = 5.9(Qt)

20	Qt	eP	20	06	14.6
20	Qt	eP	22	39	31.4
		eS		41	27.6
21	Qt	eP	00	13	33.3
21	Qt	eP	00	16	52.1d
21	Qt	eP	01	28	51.4c
21	Qt	eP	09	10	58.6
21	Qt	eP	14	01	29.6
		eS		02	52.3
21	Qt	eP	16	01	14.9
		eS		05	17.2
21	Qt	eP	18	51	23.3d
21	Qt	eP	18	54	52.8d
21	Qt	eP	23	15	58.8d
		iP			59.8c
		iS		16	19.6
21	Qt	eP	23	57	12.7
22	Qt	eP	00	19	37.2
		eS		20	49.9
		Onset Poor			
22	Qt	eP	00	59	35.2
22	Qt	eP	02	13	01.6d
22	Qt	iP!	03	17	59.7d
22	Qt	eP	14	37	34.2
22	Qt	iP	16	39	07.2d
22	Qt	iP	18	35	41.3d
22	Qt	eP	18	47	40.6
		Onset Poor			
22	Qt	eP	18	55	24.5
		eX			30.6
22	Qt	eP	22	54	58.1c
23	Qt	eP	06	13	24.2c

October, 1965

23	Qt	eP	07	13	05.4
23	Qt	eP	08	33	53.6d
23	Qt	eP	14	40	31.8
23	Qt	eP	15	54	16.2
23	Qt	eP	17	10	17.8d
23	Qt	eP	17	19	56.4d
		eS		21	28.3
23	Qt	eP	18	48	43.4
23	Qt	eP	18	58	50.6
23	Qt	eP	21	35	52.1
		eS		37	13.5
23	Qt	eP	22	56	52.3d

(ABDUL QADIR KHAN)
 for
 DIRECTOR,
 METEOROLOGICAL SERVICE

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
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 POST BOX NO. 2, QUETTA

P A K I S T A N

No. SS-9(2)/63/

Quetta, the _____ November, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla,
 Quetta x-Unidentified Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 24th to 31st October, 1965

Additional

October, 1965

16	Wr	eP	06	55	43.9
16	Lh	eP	08	32	29.0
	Wr	iP			50.0d
16	Lh	eP	19	38	30.7
	Wr	eP		39	03
16	Wr	eP	20	12	24
	Lh	eP			26.5
17	Wr	eP	01	13	11
		eS			33
	Ml	iP			31.0c
		iS		14	15
	Qt	eP			16.4
		iS		15	35.7

H = 01:12:35
 36.1N, 71.2E
 Hindukush
 depth about 160 km.

17	Lh	eP	02	06	21.0
		eS		17	02.0
	Wr	eP		06	37
17	Wr	eP	19	09	01
18	Wr	eP	02	50	22
18	Wr	eP	10	19	02
		eS			37
18	Lh	eP	10	24	20.4
		eS		26	20.9
18	Wr	eP	14	49	04
		eS		50	07
18	Wr	eP	21	17	59
		eS		18	54
18	Wr	eP	21	59	31
	Lh	eP	22	00	10.0
		eS		08	24.0
	Ml	eP		00	18
	Kr	eP			46
18	Lh	eP	23	11	17.5
	Ml	eP			26
	Wr	eP			39
19	Wr	eP	01	31	51
		eS		32	25
19	Kr	eP	20	23	31
		eS			47
19	Lh	eP	21	00	03.5
	Kr	eP			58

October, 1965

19	Ml	eP	22	59	47
		eS	23	00	32
	Lh	eP			06.5
		eS		01	06.5
	Qt	iP		00	31.2c
		iS		01	52.2

H = 22:58:48
 36.1N, 71.5E
 Hindukush
 depth about 250 km.

20	Wr	iP	10	46	19c
20	Wr	iP	11	21	09c
20	Wr	eP	22	38	36
21	Wr	eP	14	00	27
		eS		01	06
21	Lh	eP	16	00	20.4
21	Qt	iP	23	15	59.8c
		iS		16	19.6
	Wr	eP			58

H = 23:15:34
 29.5N, 68.5E
 West Pakistan
 depth about 33 Km.

22	Ml	eP	00	18	58.3
		eS		19	43.5
22	Lh	eP	18	55	40.0
23	Lh	eP	15	54	33.5
23	Lh	eP	17	18	31.5
	Ml	iP			35.6
		iS		19	04.9
	Qt	eP			56.4d
		eS		21	28.3

H = 17:18:01
 32.5N, 76.1E
 Northern India
 depth about 60 km.

Continuation:

October, 1965

24	Qt	eP	03	51	16.2c
24	Qt	eP	06	23	36.7d
24	Qt	eP	08	50	07.5c
24	Qt	eP	14	42	10.4c
		e(S)		50	16.6
24	Qt	iP	15	11	21.7c
24	Qt	eP	17	54	41.7d
24	Qt	iP	18	25	57.9c
		eS		34	48.8

October, 1965

24	Qt	eP	18	56	08.5c
24	Qt	iP	20	35	16.1d
24	Qt	eP	21	27	37.2
25	Qt	eP	00	24	11.2c
25	Qt	iP	10	55	50.8c
		iS	57	09.4	
25	Qt	iP	14	22	34.2d
25	Qt	iP	15	15	22.2d
25	Qt	eP	15	33	28.6c
25	Qt	eP	18	55	37.5d
25	Ch	P	22	42	55
	Lh	P	49	45	
	S		43	45	
	S		51	18	
	Qt	iP	44	25.5c	
	eS		52	30.4	
25	Qt	eP	23	50	45.7
	eS		58	44.6	
26	Qt	eP	12	29	03.7d
26	Qt	eP	12	34	28.3d
26	Qt	eP	12	37	37.8d
26	Qt	eP	14	15	35.1c
26	Qt	eP	15	17	54.7c
26	Qt	iP	18	05	22.1 d
	eS			36.2	
26	Qt	eP	23	25	33.7
	eS			33	46.7
27	Qt	iP	00	15	59.8d
27	Qt	iP	00	35	55.5d
	eS			37	17.6
27	Qt	eP	09	46	46.8c
27	Qt	iP	13	38	46.2d
27	Qt	iP	15	51	21.3d
27	Qt	eP	16	34	05.9
		ONSET POOR			
27	Qt	eP	22	49	58.1d
	eS			57	44.3
28	Qt	eP	01	58	38.5c
28	Qt	iP	08	20	01.9d
28	Ch	P	09	06	18
	S			12	38
	Qt	eP		09	09.2c
	eS			18	04.3

Mu Sec
MH : 1.5 20
 $\Delta = 67^{\circ}.9$
Mag = -5.6(Qt)

28	Qt	eP	09	40	14.4
	eS			41	30.8
		ONSET POOR			
28	Qt	eP	14	08	56.2
28	Qt	iP	17	04	51.2d
	iS			06	12.1

October, 1965

28	Qt	iP	18	20	24.4d
29	Qt	eP	03	45	03.8
29	Qt	iP	04	27	47.8d
29	Qt	iP	07	30	40.7d
	iS			32	00.3
29	Qt	eP	08	21	03.3d
29	Qt	eP	12	07	39.7
29	Qt	iP	13	47	56.7d
	eS			49	45.7
29	Qt	iP	16	03	37.3d
29	Qt	iP	16	38	22.4c
29	Qt	eP	18	51	26.9c
29	Qt	iP	18	57	42.2d
29	Qt	iP	21	12	06.9c
	iPcP				18.8
	ePP			15	04.7
	ePKPKP			38	56.8

Mu Sec
PZ : 0.1 1.0
 $\Delta = 79^{\circ}.0$
Mag = 5.8(Qt)

Underground Nuclear Explosion

29	Qt	iP	21	30	56.3d
29	Qt	iP	23	51	51.7d
30	Qt	iP	07	16	38.2d
30	Qt	iP	08	29	55.0d
30	Qt	iP	09	46	57.4d
	eS			48	17.7
30	Qt	eP	16	08	54.8c
30	Qt	iP	23	07	53.2 d
	iS			08	02.1
30	Qt	eP	23	33	56.8d
	eS			36	17.8
31	Qt	eP	00	01	07.2
31	Qt	iP	02	03	19.7d
31	Qt	eP	04	01	01.8d
31	Qt	eP	14	07	09.7d
31	Lh	P	17	32	57
	S			40	05
	Qt	iP		33	14.2c
	ePP			35	19.7
	eS			40	33.4
	eSS			44	16.4

Mu Sec
PZ : 0.04 1.0
MH : 3.3 20
 $\Delta = 51^{\circ}.9$
Mag = 5.6(Qt)

31	Qt	eP	18	11	45.7c
31	Lh	P	23	14	06
	S			15	14
	Qt	eP		14	38.3c
	iS			16	16.7

(Abdul Qadir Khan)
for Director,
Meteorological Service.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. "2" QUETTA

PAKISTAN

No. SS-9 (2)/63/

Quetta, the November 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla.
 x-Undertaken Phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 1st to 8th November, 1965

Additional
 October, 1965

24	Lh	eP	14	41	31.0
		eS		49	02.5
	Ml	eP		41	39
	Wr	eP		42	43
24	Ml	eP	18	25	17.5
	Lh	eP			22.0
	Wr	1P			22c
24	Lh	eP	18	55	28.5
24	Lh	eP	20	34	26.3
	Wr	eP			47
25	Lh	eP	00	23	20.1
	Ml	eP			24
	Wr	eP			39
25	Wr	eP	10	54	53
		eS		55	26
25	Wr	eP	14	22	07
25	Ml	eP	22	43	43
	Lh	eP			44.5
		1S		51	18.0
	Wr	1P		43	48.c
	Kr	1P		44	49 d
		1PP		46	48
		1S		53	14
25	Lh	eP	23	50	08.0
	Ml	eP			18
	Wr	1P			33 c
26	Wr	1P	12	34	41 c
	Lh	eP			47.8
26	Lh	eP	23	24	52.2
	Wr	eP		25	14
27	Lh	eP	15	50	43.0
*	Wr	eP		51	04*
28	Wr	eP	08	19	54
28	Lh	eP	09	08	36.0
	Wr	eP			52
28	Wr	1P	09	39	16 d
		1S			55
28	Wr	eP	14	08	03
28	Wr	1P	17	03	49 d
		1S		04	23
29	Wr	eP	13	46	57
29	Ch	eP	21	11	22
	Wr	eP			34
	Lh	eP			38.0
30	Wr	1P	09	45	59 d
		1S		46	38
30	Ml	eP	23	32	32
		eS		33	44
* 27	Lh	eP	22	49	17.0
	Wr	eP			22

31 Wr 1P 02 02 27 d
 1S 02 02
 Ml eP 02 50
 eS 03 41
 Qt 1P 03 19.7d
 1S 04 36.6
 M₁ Sec
 PZ: 0.01 0.7
 Δ 6^o.8

H : 02 01 42
 37.5N, 70.0E
 Hindukush
 Depth about 220 km.
 Mag:- 4.0 (Qt)

31 Wr eP 04 00 45
 31 Lh eP 14 07 27
 Wr 30d
 31 Ch eP 17 31 12
 Lh eP 32 57
 eS 40 05
 Wr eP 33 31
 31 Wr 1P 23 13 33c
 1S 14 12
 Ml eP 15 46
 eS 14 40
 Lh eP 06.0
 1S 15 14.0
 Qt eP 14 38.3c
 1S 16 16.7
 M₁ Sec
 PZ 0.10 0.7
 Δ : 8^o.6

Ch eP 25 17 27
 H : 25 12 36
 37.5N, 72.7E
 Hindukush
 depth about 220 km.
 Mag :- 5.0 (Qt)

Continuation
 November, 1965

1	Qt	eP	04	09	57.3
1	Qt	1P	09	10	37.7c
1	Qt	eP	18	20	59.3
1	Qt	eP	18	31	08.2
1	Qt	eP	19	58	52.2
1	Qt	1P	23	08	12.7d
		1S		09	44.7

November '65

November '65

2	Qt	eP	01	07	07.2
2	Qt	eP	01	17	13.6
2	Qt	eP	02	07	32.9
2	Qt	eP	03	00	21.3
2	Qt	eP	03	34	02.2
2	Qt	eP	11	49	07.3
2	Qt	1P	15	55	59.8 ₀
2	Qt	eP	16	56	47.2
		eX			54.7
3	Qt	1P	01	57	20.7
		1(S)		59	57.1
	Ch	P		57	59
3	Qt	eP	02	33	20.8
3	Qt	eP	08	04	19.1 _c
3	Qt	eP	08	07	53.2 ₀
3	Qt	eP	08	08	39.1
3	Qt	1P	16	51	13.3 _d
		1S		59	30.4
	Ch	P		53	23
3	Qt	ePKP	18	41	16.3 ₀
		ePP		46	27.2
		1SS	19	07	44.6
		M ₁			Sec
		MH	: 3.1		20
		Δ	: 171°		
		Mag:-	6.2(Qt)		
3	Qt	1P	19	32	18.8 _d
4	Qt	1P	06	46	30.8 _e
		1S		47	48.6
4	Qt	eP	07	05	50.3
4	Qt	1P	08	29	11.4 _d
4	Qt	eP	10	30	30.2
4	Qt	1P	14	30	43.9 ₀
4	Qt	1P	15	49	12.2 _d
4	Qt	eP	16	51	24.9
4	Qt	eP	17	09	48.8 _d
5	Qt	eP	03	18	43.3
		eS		21	32.1
5	Qt	eP	06	48	04.2
5	Qt	1P	07	42	26.1 _d
		1S		44	13.3
5	Qt	eP	08	22	31.1
5	Ch	P	19	10	49
		S		18	45
	Qt	1P		13	15.2 _c
		eS		23	21.2
5	Qt	eP	20	33	35.2 _d
5	Qt	eP	22	11	34.1 _d
5	Qt	eP	22	12	51.8 ₀
5	Qt	eP	22	20	16.7
		eS		21	47.1

6	Qt	eP	00	44	10.8 _d
6	Qt	eP	01	25	34.1 _d
6	Qt	eP	01	33	15.1 _d
6	Qt	eP	06	51	16.3 _c
6	Qt	eP	09	07	18.4 _c
6	Qt	eP	09	30	53.8
6	Qt	1P	09	41	56.7 _d
		eX		47	08.2
6	Qt	eP	15	52	09.1 _d
6	Qt	eP	15	58	41.2 _d
		1S	16	00	17.6
6	Qt	1P	16	09	54.2 ₀
6	Qt	eP	22	31	26.7
6	Qt	1P	22	42	18.2 _e
7	Qt	eP	04	17	06.8
7	Qt	eP	18	10	13.7
7	Qt	eP	21	36	57.7
7	Qt	eP	21	46	09.3
		eX			35.8
7	Qt	1P	21	53	42.7 _d
7	Qt	eP	22	26	36.1
7	Qt	eP	22	48	27.2 _d
		e(S)		51	22.1
7	Qt	eP	23	17	22.8
7	Qt	eP	23	29	22.0 _e
8	Qt	eP	00	44	15.7
8	Qt	1P	01	59	38.7 _d
		eS	02	01	06.4
8	Qt	eP	04	13	21.7 _d
8	Qt	eP	04	57	36.6 _d
8	Qt	eP	05	49	03.7 _d
		1S		50	16.1
8	Qt	eP	13	28	28.9
8	Qt	eP	19	48	23.2
8	Qt	eP	21	24	50.2
		1S		26	10.7
8	Qt	eP	23	03	10.1 _d

(Abdul Qadir Khan)
 for DIRECTOR
 Meteorological Service.

GOVERNMENT OF PAKISTAN
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 POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the _____ November, 1965.

Provisional Readings at Seismological Stations from 9th to 15th November, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla.
 x-Unidentified Phase, c-Compression, d-Dilatation.

Additional

November, 1965

1	Wr	eP	18	20	52
1	Ml	eP	23	07	23
		eS		08	14
2	Ch	eP	02	25	19
		eS			45
2	Wr	eP	15	55	59
3	Wr	eP	01	57	13
	Lh	eP			22.0
	Kr	eP			27
	Ml	eP			28
3	Lh	eP	16	50	39
	Wr	eP		51	01
3	Wr	iPKP	18	41	11
	Lh	ePKP			12
4	Wr	eP	06	45	33
		eS		46	05
4	Wr	eP	11	50	28
4	Lh	eP	15	48	27d
	Wr	eP			51
4	Wr	eP	17	09	27
5	Wr	eP	07	40	24
5	Lh	eP	19	12	40.1c
	Wr	iP			58c
5	Lh	eP	22	18	53.5
		iS		19	18.5
	Ml	iP		18	55
		iS		19	24
	Wr	eP			23
	Qt	eP		20	17
		eS		21	47

H = 22:18:18
 32.7N, 76.2E
 Northern India
 depth about 160 km.

November, 1965

6	Wr	eP	15	57	35
		eS		58	16
6	Ch	eP	16	06	15
		eS		07	01
6	Wr	eP	22	32	11
		eS			58
7	Ml	eP	18	08	09
	Wr	eP		09	08
7	Wr	eP	21	35	50
8	Lh	eP	02	10	25
8	Ml	eP	21	23	39
		eS		24	03
	Lh	eP			01.6
		eS			42.5
	Qt	eP			50.2
		iS		26	10.7

H = 21:23:07
 35.0N, 73.0E
 Northern West Pakistan
 depth about 96 km.

CONTINUATION
NOVEMBER, 1965

9	Qt	eP	09	32	11.1d
		eS		36	09.8
9	Qt	iP	10	34	18.7d
		eX			29.8
9	Qt	eP	10	49	34.2
		eS		51	40.3
9	Qt	eP	11	50	04.6c
		eS		59	51.6

Mu Sec
 MH : 1.1 20
 $\Delta = 77^{\circ}.4$
 Mag: 5.6(Qt)

6	Wr	eP	00	44	26
6	Wr	eP	02	32	43
6	Wr	iP	06	50	49d
6	Wr	eP	09	06	41
6	Ch	eP	09	41	42
	Wr	iP			53c
6	Ch	eP	15	47	42
		eS		48	20

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PAKISTAN

No. SS-9(2)/63/1330-1343

Quetta, the 27th November, 1965

Provisional Readings at Seismological Stations from 16th November to 23rd November, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla
 x-Unidentified Phase, c-Compression, d-Dilatation.

Additional

November, 1965

9	Wr	eP	09	31	04.3
9	Wr	eP	10	48	26.0
9	Ch	eP	11	49	50
	Wr	eP			31.5
10	Wr	eP	18	57	30.6
10	Wr	eP	23	52	48.2
		eS		53	27.2
	Ml	eP			04.5
	Qt	eP			51.3d
		eS		55	20.3

Mu Sec
 PZ .02 0.7
 H 23: 51:57
 37.1N, 71.2E
 Hindukush
 depth about 190 km
 Mag. 4.6(Qt)

11	Wr	eP	21	51	01.3
12	Wr	eP	02	24	15.3
12	Ch	eP	18	00	28
	Wr	eP		02	08.4
	Kr	eP			57.7
13	Wr	eP	00	29	16.7
13	Wr	eP	00	51	38.5
13	Ml	iP	04	37	25.5c
	Wr	iP			31.5d
	Kr	iP		39	19.0d
13	Kr	iP	06	15	01.5d
	Lh	eP		16	40.8
	Wr	iP			44.2
13	Kr	eP	09	48	32.0
13	Wr	iP	18	19	16.4c
	Lh	eP			20.0c
14	Ml	eP	05	14	43.0
	Wr	eP		15	00.8
	Qt	eP		16	08.2
		eS		18	19.7

H 05:13:19.3
 36.3N, 79.6E
 Sinkiang Province, China
 depth about 160 km.

November, 1965

14	Wr	iP	06	03	46.7c
14	Wr	eP	14	20	17.6
	Ml	eP			34.0
	Qt	eP		21	24.1d
		iS		22	57.6

H = 14:19:23.2
 37.4N, 71.3E
 Northern Afghanistan
 depth about 70 km.

15	Kr	iP	05	46	49.0
	Wr	eP		48	38.3
15	Kr	eP	11	31	29.6
	Lh	eP		32	02.5
	Ch	eP		37	50
15	Wr	eP	17	30	12.9
15	Kr	eP	17	56	11.0
15	Lh	eP	20	57	43.0
	Wr	eP		58	04.7

Continuation:

November, 1965

16	Ml	P	01	05	01
		S			50
	Lh	P		05	18
		S		06	18
	Qt	iP		05	38.4d
		iS		06	57.4
	Ch	P		08	40

H = 01:03:58
 36.1N, 70.7E
 Hindukush
 Depth about 220 km.

16	Qt	iP	06	55	59.6c
16	Qt	eP	15	15	19.7
		eS		17	16.6

November, 1965

16	qt	ip	15	37	39.2d
		e(s)		48	07.0
	Lh	P		37	57
16	qt	eP	16	03	13.6
16	Lh	P	17	13	46
		S		20	13
	qt	eP		14	36.5
		is		21	44.8

$\frac{\mu}{\text{Pz}} : .04$
 $\frac{\text{Sec}}{\text{MH}} : 2.2$
 $\Delta = 50^{\circ}.2$
 Mag: 5.6(Qt)

16	qt	eP	22	27	50.2
16	qt	eP	22	29	06.7
17	qt	eP	00	22	34.5
17	qt	eP	03	04	39.2
17	qt	eP	08	48	09.6
		eS		49	54.1
17	qt	eP	09	31	38.4
17	qt	eP	16	47	26.2
17	qt	eP	20	48	57.2
		e(s)		50	44.8
17	qt	eP	21	58	24.5
18	qt	eP	01	36	52.9
18	qt	eP	08	05	46.7
18	qt	eP	14	47	14.9
		eS		48	36.0
18	Lh	P	17	27	44
		S		36	12
	qt	eP		28	16.5
		eS		37	16.0

$\frac{\mu}{\text{Pz}} : .04$
 $\frac{\text{Sec}}{\text{MH}} : 1.0$
 $\Delta = 68^{\circ}.0$
 Mag: 5.6(Qt)

18	qt	eP	19	43	16.1
18	qt	eP	20	18	23.5
		eX		19	52.2
18	qt	eP	20	21	19.0
		iX		24	45.5
18	qt	eP	21	00	15.4
18	qt	eP	21	37	50.5
18	Lh	P	22	08	41
	qt	eP		09	13.5
		eS		18	11.0

$\frac{\mu}{\text{MH}} : 8.1$
 $\Delta = 68^{\circ}.1$
 Mag: 6.1(Qt)

18	qt	eP	22	37	25.2
18	qt	iP	03	42	35.6c
19	qt	iPKP	07	24	57.8c
19	qt	eP	13	59	43.0
19	qt	eP	14	45	23.5
		eS		46	52.8
19	qt	eP	15	08	27.6d
19	qt	iP	15	23	49.6d
19	qt	eP	17	38	03.5

November, 1965

19	qt	eP	22	40	09.3
		eS		47	29.0
19	qt	eP	23	32	39.1
		eS		34	32.9
20	qt	eP	01	22	50.0
20	qt	eP	07	06	05.0
		eS		16	08.0
20	qt	eP	09	00	48.1
		eS		04	42.2
	Ch	P		00	52

$\frac{\mu}{\text{Pz}} : .03$
 $\frac{\text{Sec}}{\Delta} = 21.8$
 Mag: 4.8(Qt)

20	qt	eP	10	09	33.5
		eS		20	09.2
20	Ch	P	15	13	58
	qt	iP		16	40.0c
		iS		25	37.0
20	qt	eP	16	14	52.8
20	qt	eP	16	57	21.0
20	qt	eP	18	40	32.5
20	qt	eP	18	44	12.0
20	qt	iP	22	20	06.7c
		eS		21	16.1
20	qt	eP	22	49	38.0
21	qt	iP	03	10	53.2d
21	qt	eP	05	02	47.7c
		eS		10	46.0
21	qt	eP	06	55	17.7d
21	qt	eP	07	11	40.4
21	Ch	P	10	40	17
		S		46	57
	Lh	P		42	24
		S		50	54
	qt	iP		42	57.0c
		iS		51	59.0

$\frac{\mu}{\text{MH}} : 5.3$
 $\Delta = 69^{\circ}.2$
 Mag: 6.0(Qt)

21	qt	eP	17	27	43.5
21	qt	eP	20	05	21.4
21	qt	eP	20	30	04.6
		eS		31	33.5
21	qt	eP	21	46	51.2
		eS		48	10.7
21	qt	eP	21	58	46.8
21	qt	eP	22	23	16.7
22	qt	eP	00	24	45.6
		eS		26	11.5
22	qt	eP	01	45	25.5
		e(s)		47	32.7
22	qt	eP	02	59	39.1
22	qt	eP	12	14	59.7
22	qt	eP	13	03	31.0
22	Ch	P	14	12	00
	qt	eP			40.2
		eS		22	52.0
22	qt	eP	16	48	23.4
22	qt	eP	20	02	18.7

November, 1965

22	Qt	eP	20	02	18.7
		eS		03	46.4
22	Qh	P	20	36	52
		S		46	13
	Lh	P		37	10
		S		46	46
	Qt	iP		37	38.5 _a
		iS		47	38.4

Mu Sec

MH : 9.4 20
 Δ 81°.9
 Mag: 6.2(Qt)

22	Qt	eP	20	51	57.6
22	Qt	eP	21	27	53.3
		eS		29	18.5
21	Ch	P	22	42	52
		S		43	37
	Qt	eP		47	13.5
22	Qt	eP	23	36	14.5
23	Ch	P	01	24	41
		S		30	33
	Lh	P		27	03
	Qt	eP		27	40.8
		eS		35	36.0
23	Qt	eP	02	17	45.2
23	Qt	iP	02	29	56.3 _c
		iS		36	46.0

Mu Sec

P₂ : 0.07 1.0
 MH : 7.2 20
 Δ = 47° .0
 Mag = 5.7(Qt)

November, 1965

23	Qt	eP	03	27	13.6
23	Qt	eP	07	10	47.6
23	Qt	eP	11	46	58.0
23	Qt	eP	13	12	45.2
23	Qt	iP	16	40	48.8 _c
	e	eS		48	33.2
23	Qt	iP	19	21	12.7 _c
		eS		22	37.2
23	Qt	eP	21	50	15.6
23	Qt	eP	22	15	06.8
23	Qt	eP	23	30	43.7

(Abdul qadir Khan)
 for
 Director,
 Meteorological Department

(Abdul qadir Khan)
 Director,
 Meteorological Department

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. 2, QUETTA

P A K I S T A N

No. SS-9(2)/63/

Quetta, the _____ December, 1965

Provisional readings at Seismological Stations from 24th November to 30th November, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla.
 x-Unidentified Phase, c-Compression, d-Dilatation.

Additional

November, 1965

16	Ch	eP	06	53	02
	Lh	eP		55	18.0c
	Wr	iP			39.7c
16	Wr	eP	15	14	07.5
16	Wr	iP	15	37	41.9d
16	Ch	eP	17	11	48
	Wr	iP		14	04.0d
16	Wr	eP	22	28	16.4
17	Wr	eP	21	57	26.9
18	Wr	eP	14	46	12.0
18	Wr	eP	17	28	04.5
18	Ch	eP	22	08	19
		eS		16	33
	Ml	eP		08	36.8
	Wr	iP			37.3c
19	Lh	eP	07	24	19.0
	Wr	iP			20.8c
19	Wr	eP	14	44	18.8
19	Wr	eP	15	22	57.9
19	Lh	eP	22	39	19.0
	Wr	eP			38.8
20	Ch	eP	07	03	38
	Wr	iP		05	48.0c
20	Ch	eP	10	07	25
20	Lh	eP	15	16	06.5c
		eS		24	32.0
	Ml	eP		16	16.0
	Wr	iP			26.5c
20	Lh	eP	16	14	24.0
	Wr	iP			51.4c
21	Wr	eP	03	09	09.7
21	Ml	iP	05	01	55.8
	Lh	eP		02	15.5
21	Ml	iP	10	42	32.2
	Wr	iP			44.3c
21	Wr	eP	21	45	51.5
		eS		46	24.5
	Ml	eP		46	12.7
	Qt	eP			51.2
		eS		48	10.7

H = 21:45:09
 36.4N, 70.5E
 Hindukush
 Depth about 190 km.

November, 1965

22	Wr	eP	00	23	47.4
		eS		24	24.6
	Ml	eP			04.9
	Qt	eP			45.6
		eS		26	11.5

H = 24:22:58
 36.8N, 70.6E
 Hindukush
 Depth about 190 km.

22	Wr	eP	14	12	10.9
22	Wr	iP	20	37	06.1c
	Ml	eP			06.3
22	Wr	eP	20	51	28.1
	Lh	eP			32.0
22	Wr	iP	21	26	48.5c
23	Ml	eP	01	27	09.3
	Wr	iP			23.1d
23	Wr	eP	02	17	32.3
23	Wr	iP	02	29	24.8
	Lh	eP			44.2
23	Lh	eP	16	40	17.7

Continuation:

November, 1965

24	Qt	iP	02	43	11.8d
24	Qt	eP	07	12	55.9
24	Qt	eP	08	34	48.1
24	Qt	*eP	10	52	34.5
24	Qt	eP	13	19	04.6
24	Qt	eP	13	38	04.7
24	Qt	iP	14	49	32.3d
24	Qt	eP	15	14	44.5
		eX		17	18.0
24	Qt	eP	15	59	10.1
24	Qt	eP	18	27	05.2
		eS		28	16.2
24	Qt	eP	21	52	50.6
25	Qt	eP	02	12	09.4
25	Qt	eP	03	46	14.6
25	Qt	eP	11	10	40.6
25	Qt	eP	12	40	22.7
25	Qt	eP	15	44	45.7
	Qt	**eP	16	55	11.0

*. eS 54 19.5

** . eS 46 59.2

November, 1965

November, 1965

25	Qt	eP	18	08	27.5
25	Qt	eP	22	47	31.4c
		eX		49	20.0
		e(S)		57	18.5c
26	Qt	eP	00	27	33.7
		eS		35	57.0
26	Qt	eP	04	55	51.0
		eS		57	20.5
26	Qt	eP	06	46	07.5
26	Qt	eP	07	01	19.6
		eS		06	30.0
26	Qt	eP	08	46	21.0
26	Qt	eP	16	04	33.2
		eS		05	58.5
26	Qt	eP	22	17	37.7
27	Qt	eP	01	42	23.1
		e(S)		52	10.0
27	Qt	eP	03	54	28.5
27	Qt	eP	08	52	37.0
27	Qt	eP	12	15	17.5
		eS		26	00.0
27	Qt	eP	16	02	08.7
28	Qt	eP	04	16	21.0d
	Lh	P			32
	Ch	P			38
28	Qt	eP	05	32	39.4
		eS		35	32.0
	Lh	P		33	26
		S		37	17
	Ch	P		35	45

Mu Sec

Pz 0.05 1.0
Δ 21.6
Mag = 4.9(Qt)

28	Qt	eP	09	59	53.5
28	Qt	eP	10	40	42.6
		eS		42	26.6
28	Qt	iP	13	10	20.3d
28	Qt	eP	14	23	50.8
28	Qt	eP	14	49	59.7
		eS		51	19.2
28	Qt	eP	16	11	30.0
		eS		13	12.0
28	Qt	eP	18	32	25.2
28	Qt	iP	19	09	02.2d
28	Lh	P	21	39	58
		S		46	31
28	Qt	iP		40	27.5c
		eS		47	26.0

Mu Sec

Pz 0.06 1.2
Δ - 48.6
Mag = 5.7(Qt)

29	Qt	eP	00	32	18.1
		e(S)		33	36.2
29	Qt	eP	01	37	02.7
29	Qt	eP	04	14	32.6
29	Qt	eP	05	21	20.2
29	Qt	eP	09	10	07.9

29	Qt	eP	10	30	44.6
29	Qt	eP	13	57	15.1
		iP			17.2
		eS	14	05	26.1
29	Qt	eP	16	47	05.8
29	Qt	eP	17	26	26.5
29	Qt	eP	19	12	15.1
30	Qt	iP	04	38	21.4c
30	Qt	eP	04	58	35.4
30	Qt	eP	11	11	26.5
30	Qt	eP	11	15	00.0
30	Qt	eP	11	24	49.6
30	Qt	eP	12	19	47.2
30	Qt	eP	15	22	03.7
30	Qt	eP	17	37	00.0

(Abdul Qadir Khan)
for
Director,
Meteorological Service.

10	30	44.6
13	57	15.1
		17.2
14	05	26.1
16	47	05.8
17	26	26.5
19	12	15.1
04	38	21.4c
04	58	35.4
11	11	26.5
11	15	00.0
11	24	49.6
12	19	47.2
15	22	03.7
17	37	00.0

H = 31.5 ± 0.3
36.4 ± 0.5
Hindurish
Depth about 100 km

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63

Quetta, the _____ December, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla.
x-Unidentified phase, c-Compression, d-Dilatation.

Provisional Readings at Seismological Stations from 1st December, 1965 to 8th Dec.

Additional
November, 1965

24	Wr	eP	10	51	25.5
24	Wr	eP	18	26	06.6
		eS			33.6
25	Wr	iP	11	10	38.9
25	Ml	eP	15	43	42.3
		eS		45	00.3
25	Lh	eP	22	47	01.0
	Ml	eP			04.3
	Wr	iP			14.3c
26	Ch	eP	00	25	20.0
	Lh	eP		26	49.0
	Ml	eP			49.8
	Wr	iP			59.5d
26	Wr	eP	04	54	48.0
26	Wr	eP	06	45	04.0
26	Lh	eP	07	00	20.0
	Wr	iP			38.4c
26	Wr	eP	16	03	28.6
		eS		04	02.2
26	Ml	eP	22	15	35.8
27	Wr	eP	01	42	07.5
27	Ch	eP	03	52	11.0
27	Ch	eP	12	13	25.0
	Lh	eP		14	57.0
	Wr	eP		15	03.9
28	Wr	eP	04	16	31.8
28	Wr	iP	05	32	59.8c
	Ml	iP		33	19.1d
28	Wr	eP	14	49	00.5
		eS			32.5
	Ml	iP			20.7
		iS		50	06.2
	Qt	eP		49	59.7
		eS		51	19.2

H = 14:48:17
36.6N, 70.9E
HINDUKUSH
Depth about 160 km

Continuation
December, 1965

1	Qt	eP	01	07	59.1
1	Qt	eP	14	29	08.7
1	Qt	eP	15	34	39.5
1	Qt	eP	18	11	58.2
		eX		13	24.4
1	Qt	eP	18	26	21.2
		eS		27	32.4
2	Qt	eP	00	55	22.4
2	Qt	eP	05	58	37
2	Qt	eP	06	10	41
2	Qt	eP	09	19	21
2	Qt	eP	13	38	44
3	Qt	eP	00	12	11
3	Qt	iP	03	19	04c
3	Qt	eP	07	04	01
3	Qt	eP	07	13	17
3	Qt	eP	08	39	53.5
		eS		41	43.0
3	Qt	eP	13	29	49.3
3	Qt	eP	15	33	45.6
		e(S)		44	08.0
3	Lh	P	21	19	11
		S		20	20
	Qt	iP		19	13.5c
		eS		20	23.5
	Ch	P		22	49
		S		27	12

Mu Sec

PZ 0.2 .04
H - 21: 17: 42
35.9N, 68.5E
Afghanistan
Depth about 33 Km
Mag = 5.7(Qt)

28	Lh	eP	19	08	25.5
28	Ml	eP	21	40	10.7
	Wr	iP			26.3c
29	Wr	eP	00	31	30.3
29	Lh	eP	13	56	38.0
	Wr	iP		57	00.8c
29	Wr	eP	17	26	30.7
	Lh	eP			35.0
30	Wr	eP	04	58	01.8

4	Qt	iP	02	24	23.4d
		eS		34	49.5
4	Qt	eP	05	08	48.5
4	Qt	eP	05	49	23.1
		eS		50	41.8
4	Qt	eP	10	06	24.4
4	Qt	eP	14	11	52.0
4	Qt	eP	16	46	47.7
4	Qt	eP	18	57	31.3
4	Qt	eP	20	43	04.6
4	Qt	eP	21	02	15.2
		eS		03	36.3
5	Qt	eP	01	35	06.5
5	Qt	eP	02	36	42.2
		eS		37	47.4

December, 1965

December, 1965

5	Qt	eP	08 07	17.0
		eS	08	25.0
5	Qt	eP	16 30	53.5
5	Qt	eP	16 30	53.5
	Ch	P	35	47
5	Qt	eP	16 39	42.2
5	Ch	P	18 25	47
	Qt	iP	26	33.7c
		eS	36	27.0

8	Qt	eP	06 54	31.5
8	Qt	eP	15 37	09.6
		eS	38	26.0
8	Qt	iP	18 24	02.5c
		e(S)	35	40.0
8	Qt	eP	18 56	39.8
		eS	58	01.2
8	Qt	eP	19 23	55.2
8	Qt	eP	22 42	10.5

Mu Sec

Pz 0.07 0.8
 $\Delta = 78.6^\circ$
 Mag = 5.8(Qt)

5	Ch	P	22 02	20
	Qt	iP	07	17.7
		eS	11	43.3

Mu Sec

Pz 1.0 1.1
 $\Delta = 25.9^\circ$
 Mag = 5.6(Qt)

6	Qt	eP	00 36	37.2
6	Qt	eP	01 34	37.9
6	Qt	eP	08 03	51.9
		eX	10	54.5
6	Qt	eP	08 54	30.3
6	Qt	eP	09 28	00.7
6	Qt	ePKP	11 54	04.5
6	Qt	eP	17 41	14.1
		e(S)	42	30.2
6	Qt	eP	22 02	57.6
7	Qt	iP	00 31	20.4c
		iS	32	44.2
7	Qt	iP	02 56	19.4c
		iS	57	49.5
7	Qt	eP	14 53	14.9d
		eS	55	14.5
7	Qt	eP	16 44	30.4
		eS	45	47.6
7	Qt	eP	17 15	09.6
		eS	16	28.6
7	Qt	eP	21 21	11.8
7	Ch	P	22 29	16
		S	37	12
	Qt	iP	31	35.8d
		eS	41	48.5

Mu Sec

Pz 0.14 1.1
 $\Delta = 82.5^\circ$
 Mag = 5.2(Qt)

(Abdul Qadir Khan)
 for
 Director,
 Meteorological Department

H = 141 km
 Depth about 100 km
 HINDUSTAN
 36.5N, 70.9E

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
Geophysical Institute
Post Box No. 2, Quetta

PAKISTAN

No. SS-9(2)/63/

Quetta, the _____ December, 1965

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla
x-Unidentified Phase, c-Compression, d-Dilatation

Provisional Readings at Seismological Stations from 9th to 15th December, 1965

Additional
December, 1965

December, 1965
Continuation,

01	Wr	eP	01	07	44						
1	Wr	eP	14	28	55.4	9	Qt	eP	03	04	39.5
1	Wr	eP	18	25	28.0	9	Qt	ePKP	06	26	55.8
		eS			58.0	9	Qt	eP	12	30	42.3
2	Wr	eP	00	55	34.5			eS		32	11.7
2	Wr	eP	05	58	03.8	9	Qt	iP	13	30	35.8d
2	Wr	iP	13	38	27.5d	9	Qt	eP	13	40	42.5
3	Wr	eP	07	03	52.9	9	Qt	eP	13	43	20.8
3	Wr	eP	08	40	48.8	9	Qt	eP	18	09	05.1
3	Wr	eP	15	33	51.9	9	Qt	eP	19	33	29.5
3	Wr	iP	21	18	26.2d	9	Qt	iP	20	31	05.8
	ML	iP			53.5			iS		35	10.6
		iS		19	47.0						
4	Wr	eP	02	23	54.6						
4	Wr	iP	05	48	28.5						
		iS		49	07.2						
	ML	eP		48	52.0						
4	Wr	eP	14	12	25.7						
4	Wr	eP	16	47	10.6						
4	Wr	eP	21	01	12.9	10	Qt	eP	00	04	31.2
5	Wr	eP	02	35	50.1	10	Qt	eP	18	28	01.7
		eS		36	15.5	10	Qt	eP	19	04	53.2
5	Wr	eP	08	06	58.1	10	Qt	eP	22	07	07.4
5	Lh	eP	16	29	30.0			eS		17	59.0
5	Wr	eP	16	39	10.7d	11	Qt	eP	00	13	37.4
5	Wr	eP	18	26	00.5			eS		23	21.4
	Lh	eP		03	03.7c	11	Qt	eP	12	27	39.0
5	Lh	eP	22	05	58.7	11	Qt	iP	19	11	51.9d
	ML	eP		06	14.3			iS		13	13.0
	Wr	eP			34.4						
6	Wr	eP	09	29	03.0	11	Qt	eP	22	29	45.0
6	Wr	eP	11	53	08.2			eX		32	21.0
7	Wr	eP	00	30	22.4c	11	Qt	eP	22	58	43.0
		iS		31	00.4	11	Qt	eP	23	15	02.6
	ML	iP		30	38.1			eX		19	19.5
		iS		31	28.4	11	Qt	eP	23	19	54.5
	Qt	eP		31	20.4			eS		24	06.0
		eS		32	44.2	12	Qt	eP	03	36	00.8
								eS		39	47.6
						12	Qt	eP	08	37	45.0
						12	Qt	eP	08	43	45.8
						12	Qt	eP	10	28	36.4
								eS		29	59.5
7	Wr	eP	02	55	13.4	12	Qt	eP	13	46	28.5
7	Lh	eP	22	31	04.3d	12	Qt	eP	16	59	14.0
	ML	iP			10.5d	12	Qt	eP	19	34	52.3
8	ML	eP	18	55	58.8	12	Qt	eP	22	46	00.9

Mu Sec
PZ = 0.12 1.0
 $\Delta = 23.1^\circ$
Mag = 5.3(Qt)

H = 00:29:32
36.8N, 70.9E
Hindukush Region
Depth about 130 km

December, 1965

December, 1965

13	Qt	eP	01	19	01.5
		eS		20	17.4
13	Qt	eP	03	56	19.5
		eS	04	05	42.0
13	Qt	eP	05	10	23.9
		e(S)		14	56.5
13	Qt	eP	05	55	53.5
13	Ch	P	11	01	21
	Qt	iP	02		46.3c
		eS		11	27.7

15	Qt	eP	08	32	23.6
		e(S)		40	34.0
15	Qt	eP	09	16	16.5
15	Qt	eP	10	32	57.0
15	Qt	ePKP	12	29	15.2
15	Qt	eP	17	41	35.3

Mu Sec

PZ 0.16 1.6
 MH 10.7 20
 $\Delta = 65.5^\circ$
 Mag = 6.1(Qt)

13	Qt	eP	13	44	38.0
		eS		45	40.0
13	Qt	eP	14	56	48.7
13	Qt	eP	15	26	54.7
13	Qt	eP	18	05	35.4
13	Qt	eP	22	48	17.2
		eX		51	58.1
13	Qt	eP	22	57	00.7
13	Qt	eP	23	03	56.1
14	Qt	eP	01	40	38.6
14	Qt	eP	04	57	55.3
14	Qt	eP	07	53	01.5
14	Qt	eP	08	58	47.5
		eS	09	00	18.0
14	Qt	eP	09	21	44.6
14	Qt	eP	21	33	56.5
14	Qt	eP	22	35	20.5
15	Qt	eP	02	38	32.4
15	Qt	iP	04	49	11.3d
		eS		54	04.5

15	Qt	eP	17	49	27.0
15	Qt	eP	19	16	36.0
15	Qt	eP	19	39	28.4
15	Qt	eP	20	12	31.2
15	Qt	eP	21	02	19.0
15	Qt	eP	21	29	16.4
		eS		30	34.5
15	Qt	eP	23	18	34.0
15	Qt	ePKP	23	24	34.2

(Abdul Qadir Khan)
 for
 Director,
 Meteorological Service

Mu Sec

PZ 0.06 0.9
 $\Delta = 29.8^\circ$
 Mag = 5.4(Qt)

15	Qt	eP	07	59	56.0
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15	Qt	eP	07	59	56.0
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PAKISTAN

No.SS-9(2)/63/

Quetta, the 26-12-65 December, 1965.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla
 x-Unidentified Phase, c-Compression, d-Dilation

Provisional Readings at Seismological Stations from 16th December to 23rd Dec 1965.

Additional
 December, 1965

9	Wr	eP	06	25	05.2
9	Wr	eP	12	29	36.9
9	Ch	eP	20	27	21
	Lh	eP		29	50.5
	Wr	eP		30	26.4
10	Wr	iP	19	03	55.7c
10	Ch	eP	22	05	27
	Lh	eP		06	47.0
	Wr	eP		07	20.9
11	Wr	eP	00	14	34.5
11	Wr	eP	19	10	43.5
	Ml	eP		11	14.8
		eS		12	01.8
12	Wr	eP	03	36	31.0
12	Wr	iP	10	27	40.1d
	Lh	eP		28	21.5
		eS		29	25.5
	Qt	eP		28	36.4
		eS		29	59.5

H - 10:26:50
 36.7°N 70.3°E
 HINDUKUSH
 Depth about 220 km.

13	Wr	iP	01	18	22.6c
	Ml	eP			52.0
		eS		19	58.0
	Qt	eP		19	01.5
		eS		20	17.5

H - 01:17:25
 36.5N, 67.8E
 Afghanistan
 Depth about 100 km.

13	Wr	eP	03	56	05.4
13	Wr	eP	05	55	17.1
13	Lh	eP	11	02	07.2c
	Wr	iP			10.8c
13	Wr	eP	13	43	18.1
13	Lh	eP	14	56	10.0
	Wr	eP			12.6
13	Wr	eP	18	04	42.4
	Lh	eP		05	23.5
13	Lh	eP	22	47	38.0d
	Wr	eP			40.5
13	Lh	eP	22	56	21.5
13	Lh	eP	23	03	16.6
	Wr	eP			20.0

December, 1965

15	Lh	eP	04	48	15.5
15	Lh	eP	19	39	21.5

Continuation
 December, 1965

16	Qt	eP	00	26	11.6
16	Qt	eP	00	30	14.5
		eS		31	33.5
16	Qt	eP	10	21	47.9
		eS		32	05.8
16	Qt	eP	13	59	48.6
16	Qt	eP	14	09	11.0
		eS		10	26.0
16	Qt	eP	20	31	10.2
16	Qt	eP	21	59	03.6
16	Qt	eP	23	05	39.6
16	Qt	eP	23	24	29.8
17	Qt	eP	13	00	15.6
17	Qt	eP	16	21	13.0
17	Qt	eP	21	37	45.3
17	Qt	eP	22	21	32.0
17	Qt	eP	22	51	35.6
		eX		56	28.5
18	Qt	eP	00	41	23.6
		eS		50	10.0
18	Qt	eP	12	50	23.3
		eS		51	35.1
18	Qt	eP	13	31	03.1
18	Qt	eP	18	19	53.7
18	Qt	eP	19	30	32.3
		eS		31	49.7
18	Qt	eP	19	56	43.4
18	Qt	eP	22	09	48.9
18	Qt	eP	23	12	29.7
19	Qt	eP	03	25	51.3
19	Qt	eP	03	44	35.0
19	Qt	eP	04	23	32.0
19	Qt	eP	09	48	16.2
19	Qt	eP	11	43	55.0
19	Qt	eP	12	06	02.4
19	Qt	eP	14	30	27.2
		e(S)		31	47.6
19	Qt	eP	15	41	52.9
19	Qt	eP	16	09	55.7
19	Qt	eP	16	41	27.0
19	Qt	eP	17	12	46.5
19	Qt	eP	19	27	10.5
19	Qt	eP	22	16	57.4

December, 1965

December, 1965

			<u>Mu</u>	<u>Sec</u>
		Pz	.05	1.0
		MH	3.7	20
		Δ	= 63° 1'	
		Mag	= 5.7(Qt)	
19	Qt	eP	23 03	36.9
20	Qt	eP	00 15	13.6
		eS	23	30.0

			<u>Mu</u>	<u>Sec</u>
		MH	12.4	20
		Δ	= 61.2°	
		Mag	= 6.2(Qt)	
20	Qt	eP	07 23	28.1
20	Qt	eP	16 25	57.7
21	Qt	eP	00 08	55.1
21	Qt	eP	00 42	51.7
21	Qt	eP	02 20	51.0
		eK	21	36.0
21	Qt	eP	09 00	09.8
21	Qt	eP	10 56	48.4c
21	Qt	eP	12 23	09.8d
21	Qt	eP	17 54	17.0
21	Qt	eP	18 08	21.2c
21	Qt	eP	23 44	51.7
21	Qt	eP	23 58	42.5
22	Qt	eP	00 39	52.0
		eS	50	10.0

			<u>Mu</u>	<u>Sec</u>
		MH	3.3	20
		Δ	= 85.5°	
		Mag	= 6.0(Qt)	
22	Qt	iP	01 02	02.0d
		iS	09	25.2

			<u>Mu</u>	<u>Sec</u>
		MH	11.3	20
		Δ	= 52.5°	
		Mag	= 6.1(Qt)	
22	Qt	eP	03 33	10.5
22	Qt	eP	07 38	21.9
22	Qt	eP	10 50	48.1
		e(S)	52	05.8
22	Qt	eP	14 19	34.1
22	Qt	eP	19 33	13.5
		eS	35	02.2
22	Ch	P	19 53	38
		S	20 03	44
		P	19 53	48
		S	20 04	04
22	Qt	iP	19 53	58.2c
		iS	20 04	19.2

			<u>Mu</u>	<u>Sec</u>
		Pz	.08	0.7
		MH	16.4	20
		Δ	= 84.1°	
		Mag	= 6.2(Qt)	
22	Qt	eP	23 36	25.9
23	Qt	eP	02 10	58.8
23	Qt	eP	06 08	40.7
23	Qt	eP	07 56	30.2
23	Qt	eP	11 12	39.7
23	Qt	eP	15 36	39.3
23	Qt	eP	21 00	20.9
		eS	10	48.5

			<u>Mu</u>	<u>Sec</u>
		Pz	0.1	0.7
		Δ	= 85.5°	
		Mag	= 5.2(Qt)	

(Abdul Qadir Khan)
for
Director,
Meteorological Department

SEASONS GREETINGS AND BEST WISHES
FOR 1966.

GOVERNMENT OF PAKISTAN
 PAKISTAN METEOROLOGICAL DEPARTMENT
 GEOPHYSICAL INSTITUTE
 POST BOX NO. 2, QUETTA

PAKISTAN

No. SS-9(2)/63/

Quetta, the 4th January 1966.

Qt-Quetta, Lh-Lahore, Wr-Warsak, Ch-Chittagong, Kr-Karachi, Ml-Mangla
 x-Unidentified Phase, c-Compression, d-Dilatation

Provisional Readings at Seismological Stations from 24th December to 31st Dec'65.

Additional
 December, 1965.

16	Wr	eP	00	29	18.5
		eS			54.5
16	Wr	eP	10	21	57.9
16	Wr	eP	14	03	14.7
		eS			45.5
16	Wr	eP	21	53	01.5
16	Ml	iP	23	05	56.3d
	Lh	eP			57.0
17	Wr	iP	12	59	25.8c
		iS	13	00	16.9
17	Wr	eP	16	20	44.8
17	Wr	eP	22	51	13.5
18	Wr	eP	12	49	26.6
		eS			54.0
18	Lh	eP	13	30	22.5
	Wr	eP			27.6
18	Wr	eP	19	29	26.6
		eS		30	01.6
19	Wr	eP	11	44	34.0
19	Wr	eP	12	05	10.2
		eS			41.2
19	Wr	iP	14	29	39.8c
		iS		30	16.3
	Ml	iP			07.0
		iS		31	03.5
19	Ml	eP	19	26	34.9
	Wr	eP			46.3
19	Lh	eP	22	16	59.0
		eS		25	16.0
	Ml	iP		17	10.4
	Wr	eP			19.2
20	Wr	eP	00	15	29.9
	Ml	iP			45.0
	Lh	eP			55.0
20	Wr	eP	07	22	50.3
21	Wr	eP	00	07	57.4
21	Wr	eP	02	21	38.5
21	Wr	eP	12	22	28.8
21	Wr	eP	17	53	10.0

December, 1965

22	Wr	iP	00	39	15.9c
	Lh	eP			18.0
22	Lh	eP	01	01	21.0d
	Ml	iP			28.5d
	Wr	iP			42.3d
23	Ml	eP	20	59	59.4
	Ch	eP	21	00	23.0

Continuation.
 December, 1965

24	Qt	eP	04	28	02.1
24	Qt	eP	05	04	48.2
24	Qt	iP	07	32	04.1d
		iS		33	21.0
24	Qt	eP	13	33	26.6
		eX		34	29.5
24	Qt	eP	16	12	10.9
		eS		13	32.9
24	Qt	eP	20	42	26.0
		eS		43	52.6
24	Qt	eP	22	33	32.7
25	Qt	eP	00	49	23.9
25	Qt	eP	01	17	19.8
25	Qt	iP	03	15	39.7d
25	Qt	eP	03	25	56.7
25	Qt	eP	10	52	20.5
25	Qt	iP	14	13	26.4d
25	Qt	eP	15	17	54.3
25	Qt	eP	15	49	59.6
25	Qt	eP	17	45	17.9c
		eS		46	42.6
25	Qt	eP	18	35	28.1
25	Qt	eP	19	38	25.9
26	Qt	eP	04	05	53.8
		eS		16	16.3
		Mu			Sec
		PZ	.15		2.0
		MH	2.16		20
		△	= 84°		4
		Mag	= 5.8		(Qt)
26	Qt	eP	13	31	47.9

December, 1965

26	Qt	eP	19	36	11.8
27	Qt	eP	00	40	37.7d
		eS		42	32.5
27	Qt	eP	04	17	40.2
27	Qt	eP	06	48	08.3
27	Qt	eP	11	48	24.6
27	Qt	eP	16	15	46.7
27	Qt	eP	17	59	02.1
27	Qt	eP	19	25	10.7
		eS		26	13.0
27	Qt	eP	20	22	08.4
27	Qt	eP	20	28	53.3
		eS		38	48.4
27	Qt	eP	22	36	25.5
28	Qt	eP	01	28	47.3
28	Qt	eP	07	48	15.5
		eS		56	59.5
28	Qt	eP	08	40	10.6
28	Qt	eP	11	38	48.2
28	Qt	eP	12	20	51.7
		e(S)		30	05.1
28	Qt	eP	16	15	10.2
28	Ch	P	20	40	43
		S		47	35
	Qt	eP		42	38.2
		eS		51	31.2

Mu Sec

MH 3.4 20
 $\Delta = 64^{\circ}.2$
Mag= 5.8(Qt)

28	Qt	eP	21	11	50.6
28	Qt	eP	21	28	44.4
		eS		30	05.7
28	Qt	eP	22	24	18.5d
29	Qt	eP	04	28	37.3
		eS		38	42.0
29	Qt	eP	06	37	11.0
29	Qt	eP	07	36	51.1
29	Qt	eP	15	48	50.7
29	Qt	eP	17	39	02.9d
29	Qt	eP	18	52	48.6
29	Qt	eP	20	21	22.6
29	Qt	eP	20	41	06.0
		eX			46.4
30	Qt	eP	02	19	06.8d
		eS		29	31.3
30	Qt	eP	04	55	33.4
30	Qt	eP	06	35	13.5
30	Qt	eP	08	59	59.6
30	Qt	eP	10	28	51.5
30	Qt	eP	16	46	22.6
30	Qt	eP	17	07	24.9
30	Qt	eP	23	08	40.3

December, 1965

31	Qt	eP	00	30	28.5	
31	Qt	eP	02	35	52.1d	
31	Qt	eP	09	43	27.1	
31	Qt	eP	17	17	13.9	
31	Qt	eP	17	35	50.2	
31	Qt	eP	19	04	21.3	
31	Qt	eP	19	43	16.2	
31	Qt	eP	19	54	38.2c	
		e(S)		20	03	02.2
31	Qt	eP	20	24	04.2	
		eS		25	25.7	
31	Qt	eP	21	09	22.6	
		eS		18	03.3	

Mu Sec

Pz .01 0.9
 $\Delta = 65^{\circ}.4$
Mag= 5.0(Qt)

31	Qt	eP	21	19	26.3
31	Qt	eP	21	56	02.5
31	Qt	eP	22	25	30.9
31	Qt	eP	23	43	31.3

(Abdul Qadir Khan)

for Director,
Meteorological Service.