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

P A K I S T A N

International Seismological Centre

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	08	14.7
		eS			45.5
16	Wr	eP	21	58	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

$\triangle$ = 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	56.2
		eS		51	31.2

	Mu	Sec
MH	3.4	20

$\Delta = 64^{o}.2$

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

$\Delta = 65^{o}.4$

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.

International Seismological Centre

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the 14th 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 the 1st January to 8th Jan.1966

Additional
December, 1965

24	Wr	iP	07	31	04.9c
		iS			34.9
	Ml	eP			23.0
		eS		32	13.0
	Qt	iP			04.1d
		iS		33	21.0

H = 07:30:23
36.1N, 70.8E
Hindukush Region
Depth about 220 km

24	Wr	eP	13	33	08.4
	ML	eP			42.0
24	ML	eP	16	11	11.0
	Wr	eP			14.0
24	Wr	eP	20	41	21.4
	Ml	iP			41.0d
		iS		42	27.5
	Qt	eP			26.0
		eS		43	52.6

H = 20:40:37
36.3N, 70.4E
Hindukush Region
Depth about 220 km.

25	Wr	iP	17	44	13.5c
		iS			48;6
	Ml	iP			32.9d
		iS		45	23.0
	Lh	eP		44	52.0
		eS		45	57.3
	Qt	eP			17.9c
		eS		46	42.6

H = 17:43:28
36.7N, 71.3E
Hindukush Region
Depth about 160 km.

26	Ch	eP	04	03	43
		eS		12	17
	Lh	eP		15	23.5
	Ml	eP			28.0
	Wr	eP			37.2
27	Lh	eP	20	28	12.8
	Wr	eP			35.1

December, 1965

28	Wr	eP	07	47	46.7
28	Wr	eP	12	19	51.9
	Lh	eP		20	11.0
28	Lh	eP	20	42	14.0
	Wr	iP			25.6c
29	Ml	eP	07	36	38.6
30	Wr	eP	02	18	38.3
	Lh	eP			44.0
30	Wr	eP	06	35	21.5
30	Wr	eP	10	27	40.6
31	Wr	iP	02	35	51.2
31	Lh	eP	19	54	05.5
	Ml	iP			13.7d
	Wr	eP			23.2
31	Wr	eP	20	23	21.0
	Ml	iP			24.4
31	Lh	eP	21	08	42.0
	Ml	iP			50.0d
	Wr	eP		09	00.3

Continuation:

January, 1966

1	Qt	eP	12	37	41.1
1	Qt	eP	18	03	35.8
		eS		04	51.7
1	Qt	eP	19	38	58.2
		eX		39	15.1
2	Qt	iP	04	14	15.6d
2	Qt	eP	05	04	48.5
2	Qt	eP	16	35	52.7
		e(S)		38	53.3
2	Qt	eP	18	40	12.1
2	Qt	eP	19	26	14.4
2	Qt	eP	23	19	25.6
3	Qt	eP	09	28	44.6
3	Qt	eP	13	51	24.3
3	Qt	eP	18	35	06.6
4	Qt	eP	07	50	35.1
4	Qt	eP	07	53	24.3
4	Qt	eP	09	11	52.4
4	Qt	eP	13	07	20.4
		eX		10	38.3
4	Qt	eP	20	56	09.7
5	Qt	eP	01	06	54.6
5	Qt	eP	03	23	05.9
5	Qt	eP	05	56	59.0
		eX		57	29.5

January, 1966

5	Qt	eP	07	14	10.6	
5	Qt	eP	08	39	27.9	
5	Qt	eP	10	28	19.3	
		eS		29	40.6	
5	Qt	eP	14	54	22.3	
5	Qt	eP	15	59	58.5	
5	Lh	P	17	27	04	
		S		32	00	
	Qt	iP		27	47.0c	
		eS		32	52.0	

	Mu	Sec
PZ	0.04	1.0
MH	17.0	20

△ = 31.6
Mag= 5.7(Qt)

5	Qt	iP	18	21	17.1d
5	Qt	eP	20	47	53.6
6	Qt	eP	05	06	53.7
6	Qt	eP	14	18	20.3
6	Qt	eP	16	09	39.6
7	Qt	eP	07	56	19.5
7	Qt	eP	09	05	37.3
7	Qt	eP	14	41	14.3
7	Qt	eP	15	10	34.3
		eX		21	06.2

January, 1966

7	Qt	eP	17	09	13.1
		eS		10	42.0
7	Qt	eP	20	33	11.3
8	Qt	eP	01	15	17.4
8	Qt	eP	06	38	24.6
8	Qt	eP	07	03	12.1
8	Qt	eP	15	07	25.5
8	Qt	eP	15	43	44.0
8	Qt	eP	20	42	15.3
8	Qt	eP	22	31	56.6d
8	Qt	iP	22	49	16.2
8	Qt	eP			

(Abdul Qadir Khan)
for
Director,
Meteorological Service

International Seismological Centre

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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

International Seismological Centre

No.SS-9(2)/63/ Quetta, the 18th 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 the 8th Jan'1966 to 15th Jan'66.

Additional.
January, 1966

1	Wr	eP	18	02	40.7
	Ml	eP		03	04.4
		eS			53.4
	Qt	eP			35.8
		eS		04	51.7

H= 18:02:00
36°.0N, 69°.8E
Hindukush Region
Depth about 160 km

2	Wr	iP	04	13	41.5d
2	Wr	eP	16	36	02.0
2	Wr	eP	18	39	06.6
4	Wr	eP	07	53	14.7
5	Wr	eP	10	27	17.8
		eS			50.8
	Ml	eP			37.6
		eS		28	14.2
	Qt	iP			19.3d
		eS		29	40.6

	Mu	Sec
PZ	0.03	0.8

Δ = 6°.9
H = 10:26:39.2
35°.9 N, 70°.8E
Hindukush Region
Depth about 190 Km
Mag = 4.6(Qt)

5	Ml	eP	17	27	29 ±
	Wr	iP			34.9c
5	Wr	eP	18	20	48.3
5	Wr	eP	20	47	02.1
	Ml	eP		48	35 ±
6	Wr	eP	16	08	36.7
8	Lh	eP	22	31	11.3

Continuation.

9	Qt	eP	00	21	53.8
		e(S)		23	14.6
9	Qt	eP	03	13	43.9
9	Qt	eP	10	05	16.1
9	Qt	eP	10	23	13.1
		eS		25	00.0
9	Qt	eP	23	12	27.9
10	Qt	eP	00	29	44.8
10	Qt	iP	01	28	09.3c
		eS		35	26.2
10	Qt	eP	13	10	48.9
10	Qt	eP	16	25	15.1
11	Qt	iP	03	20	47.0d

January, 1966

11	Qt	eP	09	14	25.0
		eS		15	33.4
	Slightly felt in Risalpur				
11	Qt	eP	12	46	00.4
11	Qt	eP	14	16	13.4
		eS		19	02.7
11	Qt	eP	14	26	27.8
		eS		34	46.3
11	Qt	eP	16	18	50.5
11	Qt	eP	22	49	40.0
12	Qt	eP	01	07	16.9
		eS		08	12.1
	Slightly Felt in Sargodha & Risalpur				
12	Qt	eP	10	32	11.2c
12	Qt	eP	12	48	38.9
13	Qt	eP	00	03	55.5
13	Qt	eP	03	43	53.5
13	Qt	eP	09	12	18.4
13	Qt	iP	10	52	52.3c
		eS	11	02	36.7

	Mu	Sec
PZ	0.11	1.1
MH	4.3 --	20

Δ = 76°.9
Mag= 5.9(Qt)

14	Qt	eP	18	46	14.0
14	Qt	eP	22	08	24.1
14	Qt	eP	22	18	16.3
15	Qt	eP	01	26	18.6
15	Qt	eP	07	21	16.0
15	Qt	eP	12	11	57.5
		e(S)		23	13.0
15	Qt	eP	18	14	54.5
15	Qt	eP	19	48	30.0
		eX		49	06.6
15	Qt	eP	22	12	56.4

(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

International Seismological Centre

No.SS-9(2)/63/ Quetta, the 2nd February, 1966.

Provisional readings at Seismological Stations from the 16th to 23rd January, 66.

Additional
January, 1966.

9	Wr	eP	00	20	23.9
9	Ml	eP	03	13	22.1
	Wr	iP			37.1
9	Wr	iP	10	22	05.3d
		iS			56.3
	Ml	eP			16.1
		eS		23	11.8
	Qt	eP			13.1
		eS		25	00.0

H = 10:20:57
38°.3N, 72°.8E
Tadzhik S.S.R.
Depth about 220 km.

10	Lh	eP	01	27	22.5
	Wr	iP			45.2c
10	Wr	eP	16	24	58.2
11	Wr	eP	09	13	06.5
	Ml	iP			32.2
		iS			57.3
	Lh	eP			51.0
	Qt	eP		14	25.0
		eS		15	33.4

H = 09:12:58
34°.2N, 71°.9E
N-W-Frontier Province
Depth about 160 km.

11	Wr	eP	12	45	23.5
11	Ch	eP	14	14	04
11	Ch	eP	14	24	18
		eS		30	33
	Lh	eP		25	41.5c
11	Wr	eP	16	17	31.9
12	Ml	iP	01	06	11.7
13	Wr	iP	10	52	18.7c
	Lh	eP			22.5

Continuation:

January, 1966.

16	Qt	eP	00	28	44
16	Qt	eP	07	14	29
16	Qt	iP	09	23	30c
		eS		33	10
16	Qt	eP	09	35	15
16		On Set Poor			
16	Qt	eP	12	59	20
16	Qt	iP	14	42	47d
16	Qt	eP	17	08	45
		eS		09	56
16	Qt	eP	18	58	50d

January, 1966.

16	Qt	iP	19	55	56c
16	Qt	eP	20	05	35
16	Qt	eP	20	22	18
16	Qt	eP	23	52	03
18	Qt	eP	06	45	23d
		eX		48	12
18	Qt	eP	10	06	39
		eS		08	17
18	Qt	eP	12	16	35
		eS		17	52
18	Qt	eP	20	27	13
18	Qt	eP	20	31	07
18	Qt	eP	20	56	55
		eS		59	38
18	Qt	eP	21	08	07
18	Qt	eP	21	27	07
19	Qt	eP	01	52	54
19	Qt	eP	05	03	55
19	Qt	eP	09	15	49
19	Qt	eP	12	59	56
19	Qt	eP	14	02	15
19	Qt	eP	18	44	47
19	Qt	eP	20	19	37
19	Qt	eP	21	16	03
19	Qt	eP	21	27	57
20	Qt	eP	00	46	01
20	Qt	eP	01	54	41c
21	Qt	eP	12	45	38
21	Qt	eP	22	26	12
		On set Poor			
22	Qt	eP	08	00	09
		iS			36
22	Ch	P	14	38	37
		S		50	02
	Qt	eP		39	54
		[illegible]		43	16
		eS		50	23
23	Qt	e(P)	14	07	30

(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

International Seismological Centre

No.SI-9(2)/63/ Quetta, the 5th February, 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 January'66 to 31st Jan'66.

Additional January, 1966.

16	Wr	eP	17	07	51.5
		eS		08	14.7
16	Wr	eP	19	24	20.7
		eS			49.3
17	Lh	eP	12	02	40.0
	Ml	iP			44.5
		iS		03	12.6
18	Wr	iP	01	22	07.2d
18	Wr	eP	10	05	42.9
		eS		06	18.4
18	Wr	eP	12	15	35.9
		eS		16	07.4
	Lh	iP		15	56.2
		iS		16	43.5
	Qt	e			34.6
		eS		17	52.4

H = 12 14 54.3
34°.8N, 72°.7E
N-W Frontier Province
Depth about 200 km.

18	Wr	e	20	30	51.7
18	Wr	eP	20	57	06.8
19	Wr	e	02	41	44.6
19	Wr	eP	08	06	43.3
19	Wr	eP	13	28	00.2
19	Wr	e	14	01	04.4
19	Wr	e	21	15	09.5
		eS			44.3
20	Wr	e	01	54	03.5
20	Ch	eP	04	40	14.0
20	Wr	e	08	55	59.5
	Ch	e		57	52.0
20	Wr	eP	10	17	55.1
		eS		18	43.6
20	Wr	e	10	51	43.6
20	Wr	eP	12	12	03.4
20	Wr	eP	14	57	10.1
20	Wr	e	21	45	18.3
20	Wr	e	23	45	11.7
22	Ml	iP	14	39	19.0
		iS		49	58.5
	Lh	e		39	35.0c
		e(S)		49	56.0
23	Ml	e	00	47	54.7
23	Ml	e	03	17	18.0
		iS			57.8
23	Ml	e	07	34	51.2
		iS		35	39.0
23	Ml	e	17	37	38.4
		eS		38	24.3
23	Ml	iP	23	18	35.5
	Lh				37.2

January, 1966.

Continuation.

24	Qt	iP	02	16	08c
24	Qt	iP	07	23	48.3c
		eS		24	18.6
	Lh	P			16
		S		25	21
	Ml	P		24	22
		S		25	40
	Ch	e		27	58
		eS		31	59

H = 07 23 12
30°.1N, 69°.5E
Barkhan
West Pakistan,
Felt at Barkhan, Dera Ghazi Khan and Multan.

Mag= 5.5(Qt)

24	Qt	e	09	57	52.5
24	Qt	iP	11	48	12.1c
24	Qt	eP	13	52	38.2
24	Qt	e	14	10	25.2
24	Qt	e	15	20	45.1
24	Qt	iP	15	33	30.8c
		eS		34	04.1

	Mu	Sec
PZ	0.16	0.5

Δ = 2°.3

Ml	P	34	03
	S	35	22
Ch	e	37	39

H = 15:32:52
30°.1N, 69.5E
Barkhan Aftershock
West Pakistan
Felt BarKhan
Mag = 5.0(Qt)

24	Qt	e	16	08	02.8
24	Qt	eP	18	48	41.2
24	Qt	eP	19	17	13.6
		Onset Poor			
24	Qt	eP	20	02	24.5
24	Qt	eP	21	02	31.7
24	Qt	eP	21	22	04.1
24	Qt	eP	22	22	15.7d
24	Qt	iP	23	57	36.1c
25	Qt	e	02	34	29.6
25	Qt	e	10	23	46.9
		eS		24	06.5

January, 1966.

25	Ml	P	15	03	02
	Qt	eP		04	10.5
		eS		05	47.2
25	Qt	eP	15	39	03.4
25	Qt	eP	16	50	47.4
25	Qt	iP	18	15	30.5c
		eS		23	19.0

	Mu	Sec
PZ	0.07	1.1
MH	1.1	20

Δ = 56°.6
Mag= 5.5(Qt)

25	Qt	eP	18	47	35.6
25	Qt	e	19	43	46.6
25	Qt	eP	20	06	25.4
25	Qt	eP	20	17	38.6
25	Qt	e	20	23	33.6
25	Qt	eP	22	06	41.5
		eS		00	13.6
26	Qt	iP	00	18	05.7c
		eS		19	24.4
26	Qt	e	01	18	53.0
		eM		22	21.3
26	Qt	iP	10	41	23.5d
26	Qt	eP	11	27	09.7
26	Qt	eP	17	45	50.5
26	Qt	e	18	41	45.7
26	Qt	eP	23	03	50.0
27	Qt	eP	01	47	37.3
27	Qt	eP	02	46	29.4
27	Qt	eP	06	51	56.0
		e(S)		53	25.9
27	Qt	eP	10	24	02.0
		eS		25	28.6
27	Qt	eP	10	32	33.2
27	Qt	eP	12	10	26.8
27	Qt	eP	14	14	34.6
27	Qt	e	15	16	50.7
27	Qt	e	15	42	58.2
		eK		43	04.6
27	Qt	eP	18	23	50.9
27	Qt	e	19	51	06.4
28	Qt	e	03	43	15.7
28	Qt	eP	04	54	27.1
		e(S)	05	04	36.0
28	Qt	e	05	50	44.1
28	Qt	e	06	12	00.3
28	Qt	e	08	19	28.8
28	Qt	e	09	54	32.7
		eS		56	36.0

2	Qt	iP	17	29	05.0c
3	Qt	eP	01	06	35.5
3	Qt	eP	02	25	32.6
3	Qt	eP	02	29	56.1
3	Qt	eP	04	10	45.5
		eX		12	56.2
3	Ch	P	05	55	15
	Qt	iP		58	10.0c
		eS	06	06	18.8
3	Ch	P	12	04	15
	Qt	eP		07	25.6
		eS		14	33.6
3	Qt	eP	13	31	08.7
3	Qt	eP	17	20	04.5d
3	Qt	eP	17	29	51.6
3	Ch	P	18	03	30.0
	Qt	eP		06	26.0
		eX		09	45.0
3	Qt	eP	18	19	21.6
3	Qt	eP	23	11	33.0
3	Qt	eP	23	27	15.8
4	Qt	eP	05	23	23

ONSET POOR

4	Qt	eP	08	45	05.8
4	Qt	eP	10	16	02.0
4	Ch	P	10	51	22
	Qt	eP		53	09.2
		eS	11	03	34.4
4	Qt	eP	15	55	30.0
4	Qt	eP	20	57	59.6
4	Qt	eP	21	02	07.0
4	Qt	eP	22	27	42.1
4	Qt	eP	23	53	10

ONSET POOR

5	Qt	eP	01	36	40.9
5	Qt	eP	02	09	02.0
		eS		14	57.5

	Mu	Sec
MH	23.9	20

△ = 38°.8

Ch	P		02	12	00
	S			20	18

Mag. 6.1(Qt)

Felt Central Greece.

5	Qt	eP	03	05	14.0
5	Qt	eP	03	11	17

ONSET POOR

5	Qt	eP	05	50	41.1
		eS		51	58.8
5	Qt	eP	07	29	16

ONSET POOR

5	Qt	eP	08	13	38.4

5	Qt	eP	14	10	42.6
		eS		13	06.6
5	Ch	P	15	15	12
	Qt	eP		18	57.7d
		eS		24	08.8

	Mu	Sec
PZ	.34	1.8
MH	20.4	20

△ = 32°.4

Mag. 6.0(Qt)

5	Ch	P	16	25	35
	Qt	iP		26	42.1c
5	Qt	eP	17	47	07.4
5	Qt	eP	19	01	51.7
5	Qt	eP	19	54	31.8
5	Qt	eP	20	19	27.0
5	Qt	eP	23	11	06.1
5	Qt	eP	23	27	28.8
5	Qt	eP	23	53	35.2
6	Qt	eP	04	31	29.0
6	Qt	eP	09	19	49.5
6	Qt	eP	10	11	18.0
6	Qt	eP	11	10	16.5
6	Qt	eP	19	15	10.3
6	Qt	eP	22	19	58.6
6	Qt	eP	23	40	29.2
7	Qt	iP	04	26	51.6c

△ = 2°.5

Lh	P	04	27	19
Wr	P			22
Mi	P			29
Ch	P		31	02
	S		35	02

H = 04:26:13
29.5N 69.8E
West Pakistan
depth about 33 km
Mag:About 6 (Qt)

Lahore & Felt severely in Loralai district. Also felt Fort Munro, Multan, Sargodha, Bahawalpur. About a dozen deaths due to land slides and collapse of house in Barkhan, area, about 20 Km from the epicentre. Extensive damage to poorly constructed houses in Barkhan and other villages near the epicentre.

7	Qt	eP	04	52	04.2
7	Qt	eP	04	56	51.6
		eS		57	30.6
7	Qt	eP	05	04	16.0
7	Qt	eP	05	07	04.0
7	Qt	eP	05	11	17.4
7	Qt	eP	05	22	12.2
		eS		–	47.8
	Ch	P		26	32.0
		S		30	25.0

International Seismological Centre

February, 1966

7	Qt	eP	05	30	22.0
	Ml	P		31	41.0
7	Qt	eP	05	40	11.4
		e(S)			54.8
7	Qt	eP	06	08	44.4
7	Qt	eP	06	21	37.6
7	Qt	eP	06	59	32.4
7	Qt	eP	08	03	37.5
	Wr	P			45.0
7	Qt	eP	08	38	53.3
	Wr	P		39	18.0
7	Qt	eP	08	48	04.0
7	Qt	eP	09	36	29.6
7	Qt	eP	09	50	03.7
	Wr	P			34.0
7	Qt	eP	10	02	02.0
7	Qt	eP	10	34	02.5
		eS			11.5
	Wr	P			32.0
7	Qt	eP	10	52	22.6
		eS			30.0
	Wr	P			29.0
7	Qt	eP	11	25	39.5
		eS			50.0
	Wr	P		26	00.0
7	Qt	eP	12	06	10.6
7	Qt	eP	12	18	36.4
7	Qt	eP	13	03	11.7
7	Qt	eP	14	07	09.1
	Wr	P			45.0
7	Qt	eP	14	32	17.9
7	Wr	P	15	57	30
	Qt	eP		59	07.8
7	Qt	eP	16	11	57.0
7	Qt	eP	16	49	44.3
		eS		50	10.1
	Wr	P			24.0
7	Qt	eP	16	56	43.2
7	Qt	eP	18	34	05.5
		eS			58.0
	Wr	P			56.0
7	Qt	eP	19	21	41.3
		eS			49.6
	Wr	P		22	07.0
7	Qt	iP	23	07	15.5d
	Wr	P			40.0
	Ml	P			44.0

H = 23:06:36
30.2N, 69.8E
West Pakistan
Depth about 33 km.
Mag:about $5\frac{1}{2}$+(Qt)
Felt Loralai district and Fort Munro Multan and Bahawalpur.

7 Qt eP 23 46 44.1

February, 1966

7	Qt	eP	23	46	44.1
8	Qt	eP	00	04	01.0
8	Ml	P	00	11	40.0
	Qt	eP		12	12.5
8	Qt	iP	00	26	37.4c
	Wr	P		27	06.0
8	Qt	eP	00	39	02.0
8	Qt	eP	00	58	51.0
8	Qt	iP	01	05	56.3d
8	Qt	eP	01	18	56.4
8	Qt	eP	02	28	38.0
	Wr	P		29	20.0
8	Qt	eP	03	08	31.3
8	Qt	eP	05	52	52.5
		eS		53	32.5
8	Qt	eP	07	12	37.7
8	Qt	eP	08	00	05.7
		eS			43.2
8	Qt	eP	12	09	01.5
8	Qt	eP	15	13	31.5
8	Qt	eP	16	26	21.0
8	Qt	eP	16	47	32.0
8	Qt	eP	17	13	21.4
8	Qt	eP	19	46	09.6
8	Qt	eP	20	12	39.8
8	Qt	eP	20	15	01.3
8	Qt	eP	23	35	25.4

(Abdul Qadir Khan)
for
Director,
Meteorological Service.

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

PAKISTAN

International Seismological Centre

No.SS-9(2)/63/ Quetta, the ____ Feb.'66

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 February'1966

Additional
February'66

2	Wr	eP	06	43	34.4
	Ml	iP		44	25.6
2	Wr	eP	09	20	32.0c
	Kr	eP		22	40.3
		eS			53.8
3	Wr	eP	02	25	41.0
3	Lh	eP	05	57	34.5
	Wr	iP			54.4c
	Kr	eP		58	01.2d
3	Wr	iP	12	06	59.1d
	Kr	eP		07	25.4
3	Lh	eP	17	19	13.0
	Wr	iP			31.1d
3	Wr	eP	17	29	20.0
	Kr	eP		30	02.1
3	Wr	iP	18	05	56.2
4	Wr	eP	08	45	28.8
4	Wr	eP	10	52	56.1
4	Ch	eP	20	56	27.0
	Wr	eP		57	26.0
5	Wr	iP	02	09	19.1d
	Lh	eP			44.7
5	Wr	eP	05	49	44.3
		eS		50	26.9
5	Lh	eP	15	18	01.5
		iS		22	41.6
	Ml	eP		18	13.6
		eS		22	46.2
	Wr	iP		18	27.7d
	Kr	eP		19	04.8
5	Wr	iP	16	26	05.0
	Lh	eP			.7
	Kr	eP		27	09.9
5	Wr	eP	23	53	43.0
	Lh	eP			54.7
6	Ch	eP	09	16	17 ±
	Wr	iP		19	16.8c
7	Kr	eP	04	27	35.5
7	Ml	eP	04	57	39.4
	Kr	iP		58	24.5c
7	Ml	eP	05	04	55.9
7	Lh	eP	05	22	48.8
7	Ml	eP	06	58	25.2
7	Lh	eP	08	04	20.0
		eS		05	13.0

February'66

7	Qt	eP	08	38	53.3
	Lh	eP		39	21.0
	Kr	eP			38.5
		eS		40	44.5
	Ml	eP		39	41.3
		eS		40	46.6

H= 08 38 14.7
29°.6N , 69°.7E
Fort Munro after shock
West Pakistan
Depth about 33 km.
Mag:-about 4½(Qt)

7	Lh	eP	09	37	15.0
		eS		38	02.5
7	Lh	eP	09	51	34.0
7		eS		52	51.5
7	Lh	eP	10	53	03.2
		eS			58.0
7	Qt	eP	11	25	39.5
	Lh	eP		26	21.9
	Ml	eP		26	28.8
	Kr	eP		26	34.4
7	Lh	eP	15	57	36.4
	Ml	iP			46.4
	Kr	eP		58	31.6
7	Wr	eP	16	57	23.7
7	Lh	eP	19	22	23.0
		eS		23	18.5
7	Lh	eP	23	07	38.5
	Kr	eP		08	04.0
8	Wr	eP	00	04	23.9
	Ml	eP			28.5
8	Ml	eP	01	06	41.5
		eS		07	44.0
8	Ml	eP	08	00	45.1
8	Qt	eP	10	20	03.0
8	Ml	eP	12	09	39.0
		eS		10	48.0
8	Ml	eP	16	27	18.4
8	Qt	eP	21	21	00.8
	Qt	eP	22	29	37.7

Continuation
February'66

9	Qt	eP	01	12	59.3
9	Qt	eP	04	59	10.4

February '66

9	Qt	eP	06	05	30.2
9	Qt	iP	07	.29	04.6c
9	Qt	eP	08	21	26.4d
9	Qt	eP	08	22	58.4
		eS		23	34.0
	Lh	P			23
	Ml	P			37

H= 08 22 12.4 See later
29°.2N , 69°.8E
Fort Munro after shock
West Pakistan
Mag:- about 5½(Qt) Revised

9	Qt	eP	08	41	18.0
9	Qt	eP	10	18	12.5
9	Qt	eP	11	05	35.5
9	Qt	eP	13	39	42.3
9	Qt	eP	13	57	34.6
9	Qt	* eP	14	18	00.5 *
9	Qt	eP	14	53	26.7
9	Qt	eP	15	42	58.7
		* eX		44	19.4 **
9	Qt	eP	17	39	36.8
9	Qt	eP	17	46	07.2
9	Qt	eP	18	01	09.5
9	Qt	eP	20	53	03.2
9	Qt	iP	22	26	50.2c
	Ml	P		27	18
		S		28	23
9	Qt	eP	23	43	21.1

10	Qt	eP	05	39	39.0d
		eS		48	17.0

	Mu	Sec
PZ	.04	1.4
MH	2.9	20

△ = 65°.0
Mag= 5.5(Qt)

10	Qt	eP	06	34	37.4
10	Qt	eP	07	26	01.5
		eS		27	54.9
10	Qt	eP	07	34	56.0
10	Qt	eP	09	14	24.8
10	Qt	eP	12	51	35
	On set poor				
10	Lh	P	14	31	45
		S		40	19
	Qt	eP		32	25.8d
		eS		41	31.3

	Mu	Sec
PZ	.07	0.9
MH	9.9	20

△ = 69°.7
Mag= 6.0(Qt)

10	Qt	eP	15	00	18.0
10	Qt	eP	16	29	25.7
		eS		30	36.5
10	Qt	eP	18	16	05.1
		eS		17	16.2
10	Qt	eP	18	47	20.7
10	Qt	eP	19	01	58.5
		eS		03	00.0
	*Qt	eP	14	48	29.3
	*Qt	eP	16	48	57.7 **

February '66

10	Qt	iP	20	23	54.8d
10	Qt	eP	22	02	44.5
11	Qt	eP	02	20	07.5
11	Qt	eP	04	09	58.3
11	Qt	eP	04	57	54.8
11	Qt	eP	09	33	22.0
11	Qt	eP	10	43	28.5
11	Qt	iP	13	22	12.5c
11	Qt	eP	14	41	08.8
		e(S)		42	57.0
11	Qt	eP	21	47	03.0
		eS		48	31.2
11	Qt	eP	22	44	57.7
		eS		46	04.6
12	Qt	eP	08	07	14.8
		e(S)		09	25.6
12	Qt	eP	08	29	49.4
12	Qt	eP	11	19	12.0
12	Qt	eP	14	17	25.0
12	Qt	eP	15	51	01.5
12	Ml	P	16	35	15
		S		36	00
	Qt	iP		35	58.2
		eS		37	20.0
12	Qt	eP	16	58	10.7
12	Qt	eP	20	28	01.8
12	Qt	eP	23	47	06.3c
12	Qt	eP	23	50	40.7d
13	Qt	eP	00	15	30.8c
		eS		16	49.5
13	Qt	eP	02	19	57.0
		eS		21	33.0
13	Qt	eP	03	01	33.1
13	Ml	P	05	01	57
		S		05	14
	Lh	P		02	14
		S		05	47
	Qt	iP		02	47.1c
		eS		06	44.0

	Mu	Sec
PZ	.04	0.9

△ = 22°.2

	Ch	P	05	04	06

Mag= 4.8(Qt)

13	Ch	P	06	44	47
		S		51	48
	Qt	iP		47	26.7d
		eX		56	51.0
13	Qt	eP	09	16	44.0
13	Qt	eP	09	34	29
	On set poor				
13	Ch	P	10	47	20
	Lh	P		50	12
		S		54	37
	Qt	eP		51	06.9d
		eS		56	19.0

	Mu	Sec
PZ	.05	1.3
MH	11.7	20

△ = 32°.6
Mag= 5.6(Qt)

International Seismological Centre

February'66

13	Qt	eP	13	21	10.8
13	Qt	eP	13	29	41.1
13	Qt	eP	13	49	54.1
13	Qt	eP	14	21	23.1
13	Qt	eP	14	49	20.8
13	Qt	eP	15	15	32.7
13	Qt	eP	18	14	38.0
13	Qt	iP	19	10	25.5c
		eS		11	00.0
			Mu		Sec
		PZ	0.13		0.7
		△ = 2°.6			
	Lh	P	19	10	52
		S		11	49
	Ml	P			00
		S		12	08
	Ch	P		14	35
		S		18	37

H= 19 09 40.6
29°.5N , 69°.8E
Fort Munro after shock
West Pakistan
Mag = 4.8(Qt)

13	Qt	eP	19	39	01.8
13	Qt	eP	20	22	32.8
13	Qt	eP	23	38	10.4
14	Qt	eP	01	46	48.6

February'66

14	Qt	eP	04	56	07.2
		eS		57	37.4
14	Qt	eP	05	24	45.6
14	Qt	iP	05	41	46.6
		eS		42	18.4
			Mu		Sec
		PZ	.19		0.9
		△ = 2°.7			
	Lh	P	05	42	17
		S		43	18

Mag = 4.7(Qt)

14	Qt	eP	07	07	19.6
		eS		08	28.1
14	Qt	eP	07	53	35.1
14	Qt	eP	08	22	22.7
14	Qt	eP	18	04	30.0
14	Qt	eP	18	49	34.8
15	Qt	eP	01	37	38.0
15	Qt	eP	08	57	42.2
15	Qt	eP	16	59	09.6
15	Qt	eP	20	50	12.7
15	Qt	eP	22	32	28.7
15	Qt	eP	22	51	51.4
		eX		54	31.0

International Seismological Centre

(Abdul Qadir Khan)
for DIRECTOR,
Meteorological Service.

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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

International Seismological Centre

No.SS-9(2)/63/ Quetta, the_____February'66.

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 February'1966

Additional
February, 1966

9.	Wr	eP	04	59	20.6
	Ch	eP			24 ±
9	Ch	eP	07	26	22.0
	Wr	iP		28	57.6c
9	Ch	eP	08	18	41.0
	Wr	eP		21	25.2
9	Wr	eP	10	19	07.8
9	Ch	eP	14	51	25.5
9	Wr	eP	18	01	58.6
	Lh	eP		02	10.3
9	Wr	eP	22	27	13.2
	Lh	eP			.5
9	Ml	eP	23	42	35.7
	Wr	eP			46.7
10	Ch	eP	05	37	28.0
	Wr	eP		39	05.9
10	Ch	eP	14	30	07.0
	Wr	eP		31	57.9c
10	Wr	eP	16	28	08.1
10	Wr	eP	19	02	38.5
10	Ch	eP	20	22	37.0
	Lh	eP		23	17.0d
	Wr	iP			18.4d
10	Wr	eP	22	02	07.8
11	Wr	eP	10	42	23.9
11	Wr	iP	22	43	52.9
		iS		44	26.0
	Ml	iP			16.0
		iS		45	05.0
	Lh	eP		44	34.7
		eS		45	38.7
	Qt	eP		44	57.7
		eS		46	04.6

H= 22 43 10.5
36°.5N , 70°.6E
Hindu Kush region
depth about 160 km.

12.	Wr	eP	08	06	13.2
	Ml	eP			33.0
12	Wr	eP	16	58	43.2
	Ml	eP			45.4
	Lh	eP			52.5
12	Wr	eP	23	50	24.6
13	Wr	eP	02	19	36.7
	Ml			20	10.7

February'66

13	Lh	eP	03	00	35.3
	Ml			01	06.5
	Wr	eP			13.6
13	Wr	eP	05	01	47.8d
13	Lh	eP	06	46	53.0
	Ml	iP		47	00.0
	Wr	iP			13.8d
13	Ml	eP	10	50	16.6
	Wr	eP			34.9
13	Wr	eP	13	48	40.6
	Ml	eP			50.4
13	Wr	eP	15	15	30.2
13	Wr	iP	19	10	55.9
14	Ml	eP	05	42	34.5
	Ch			45	58 ±

Continuation
February'66

16	Qt	eP	00	34	03
	On set poor				
16	Qt	eP	03	21	06.3
16	Qt	eP	03	30	27.6
		eX		43	29.0
	Ch	P		31	02
		S		41	21
16	Qt	eP	05	05	02.0
16	Qt	iP	09	45	00.0c
		eS			32.2
			Mu		Sec
		PZ	.04		0.7

$\triangle = 2^{o}.5$
Fort Munro after shock
West Pakistan
Mag= 4.2(Qt)

16	Qt	eP	12	10	42.7
16	Qt	eP	16	02	28.6
16	Qt	eP	17	19	32.3
16	Qt	eP	19	36	09.5
16	Qt	eP	23	56	02
	On set poor				
17	Qt	eP	02	00	10.9
17	Ch	P	11	57	37
		S	12	05	23
	Qt	eP	11	58	27.1d
		eS	12	07	00.0

		Mu			Sec
		PZ	0.13		1.0
		MH	14.1		20
		△	= 64°.1		
	Lh	P	11	58	29
		S	12	07	20
		Mag = 6.3(Qt)			
17	Ch	P	12	52	37
		S	13	00	26
	Qt	iP	12	53	26.4d
17	Qt	eP	13	35	57.4
17	Qt	eP	15	23	29.4
17	Qt	iP	18	26	58.7c
		eS			31.4
			Mu		Sec
		PZ	.04		0.7
		△	= 2°.5		
	Lh	P	18	27	22
		S		28	15
		Fort Munro after shock West Pakistan			
		Mag = 4.2(Qt)			
17	Qt	eP	18	38	23.9
17	Qt	eP	19	03	03.4
17	Qt	eP	20	54	44.4
18	Qt	eP	00	37	57.0
18	Qt	eP	00	55	24.8
18	Qt	eP	03	51	43.2
18	Qt	eP	06	43	58.3
		eS		45	19.3
18	Qt	eP	07	08	54.5
		eS		16	51.0
			Mu		Sec
		MH	2.4		20
		△	= 58°.0		
		Mag = 5.7(Qt)			
18	Qt	eP	11	48	07.8
18	Qt	eP	12	11	50.0
18	Qt	eP	12	47	24.7
18	Qt	eP	14	13	43.2
		e(S)		15	27.0
18	Qt	eP	14	55	39.0
18	Qt	iP	19	12	37.5
18	Qt	eP	19	19	49.6
		eS		21	01.0
18	Qt	eP	20	06	18.8
18	Qt	eP	21	02	18.7d
18	Qt	eP	23	22	18.6
19	Qt	eP	01	26	25.0c
19	Qt	eP	09	44	52.0
		eS		46	21.5
19	Ml	P	12	51	37
	Qt	eP		52	10.5d
		eS		53	07.4
			Mu		Sec
		PZ	.05		0.8
		△	= 4°.9		
		Felt Peshawar depth about 33 km.			
		Mag = 4.8(Qt)			

19	Qt	iP	14	29	01.0d
19	Qt	eP	14	59	58.8
19	Qt	eP	19	29	04.0
19	Qt	eP	22	57	52.8
		eX		59	15.0
20	Qt	eP	06	09	05.8
20	Qt	eP	18	26	42.0
20	Qt	eP	20	05	19.7
20	Qt	eP	22	37	45.2
21	Qt	eP	00	41	12.1
		eS		52	07.0
			Mu		Sec
		MH	3.5		20
		△	= 91°.6		
		Mag = 6.0(Qt)			
21	Qt	eP	00	47	13.8
21	Qt	eP	03	57	10.4
21	Qt	eP	09	01	49.5
		eS		03	07.6
21	Qt	eP	13	27	43.0
21	Qt	eP	14	25	31.6
21	Qt	eP	15	25	08.6
21	Qt	eP	16	50	07.9
21	Qt	eP	16	55	14.1
21	Qt	eP	19	20	06.3
22	Qt	eP	00	58	54.0
22	Qt	eP	01	46	52.0
22	Qt	eP	02	48	06.0
22	Ch	P	05	13	14
		S		21	55
	Lh	P		14	56
		S		25	12
	Qt	iP		15	25.7c
		eS		25	52.0
			Mu		Sec
		PZ	1.0		1.2
		MH	7.3		20
		△	= 85°.3		
		Mag = 6.1(Qt)			
22	Qt	eP	18	55	56.8



(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

International Seismological Centre

No. SS-9(2)/63/ Quetta, the _____ March'1966

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

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

Provisional Readings at Sesimological Stations from 16th 24 Feb. to 28th Feb.'66

Correction

February'66

13	Ml	P	05	01	57.0
		S		05	14.0
	Lh	P		02	14.0
		S		05	47.0
	Qt	iP		02	47.1c
		eS		06	44.0

	Mu	Sec
PZ	0.40	0.9

△ = 22°.2
Mag= 5.8(Qt)
Underground Russian Explosion

Additional
February'1966

16	Wr	eP	00	33	31.6
16	Wr	eP	09	45	29.2
	Lh	eP			45.0
17	Wr	iP	11	58	47.5c
17	Wr	iP	12	53	47.7
17	Ch	eP	13	35	08.0
	Wr	eP		36	17.5
17	Wr	eP	18	27	25.0
17	Wr	iP	20	54	42.0c
18	Wr	eP	00	37	20.5
18	Wr	eP	06	42	59.0
		eS		43	33.0
18	Lh	eP	07	08	15 ±
	Wr	eP			35.6
18	Wr	eP	14	13	23.5
18	Lh	eP	19	11	56.0d
	Wr	eP		12	00.0
18	"	eP	19	18	47.0
18	Wr	eP	20	05	17.5
19	Wr	eP	09	43	55.8
19	Lh	eP	21	51	53.0
21	Wr	eP	09	00	47,2
		eS		01	17.7
21	Lh	eP	13	26	54.0
	Wr	iP		27	10.5d
21	Wr	eP	16	54	59.7
22	Lh	eP	18	29	24 ±
*	Ch	P	05	04	06.0 *

Continuation
February'1966

23	Qt	eP	08	00	27
23	Qt	eP	09	56	07.0
24	Ch	P	00	17	41
		S		18	26
	Qt	eP	00	21	31.8c
		eS		25	33.8

	Mu	Sec
PZ	0.02	0.3

△ = 22°.8
Mag= 4.8 (Qt)
depth about 33 km.

24	Qt	eP	04	45	47.8
24	Qt	iP	05	51	44.6c
24	Qt	eP	12	06	24.8
24	Qt	eP	14	30	31.5
24	Qt	eP	17	00	37.6
24	Qt	eP	20	05	52.9
24	Qt	eP	20	12	21.5
24	Qt	eP	20	21	26.4
24	Qt	eP	20	28	51.4
25	Qt	eP	03	05	12.6
25	Qt	eP	09	36	02.0
25	Qt	eP	14	22	05.0
25	Qt	eP	18	02	25.7
25	Qt	eP	23	09	44.2
26	Qt	iP	00	45	32.5c
26	Qt	eP	01	45	43.4
26	Qt	eP	05	17	29.8
26	Qt	eP	11	40	43.1
26	Qt	eP	11	59	31.9
26	Qt	eP	16	25	07.1
26	Qt	eP	20	53	54.0
		e(S)			56.8
27	Qt	eP	00	50	32.7
27	Qt	eP	09	02	31.6
27	Qt	iP	16	42	06.6c
27	Qt	eP	16	57	48.9
27	Qt	eP	18	34	15.9
27	Qt	eP	20	38	02.4
27	Qt	eP	20	55	34.7d
27	Qt	eP	21	04	00.9

February' 1966

27	Qt	eP	23	44	42.9
28	Ch	P	02	10	06
	Qt	eP		11	43.0
		ePP		12	33.7
		eX		16	11.9
		eS		19	24.4
		eeS		21	10.2

	Mu	Sec
PZ	0.12	1.0

△ = 58°.5

Mag = 5.5 (Qt)

depth about 250 km.

February' 1966

28	Qt	eP	13	45	03.1
		eS		53	09.1

	Mu	Sec
PZ	0.05	1.0
MH	3.2	20

△ = 59°.6

Mag = 5.6(Qt)

28	Qt	eP	20	04	41.9
		eS		06	01.2
28	Qt	eP	21	58	15.2c

(Abdul Qadir Khan)
for
DIRECTOR,
Meteorological Service.

International Seismological Centre

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the ____ March 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 1st March to 8th March 1966

Additional
February'66

24	Ml	eP	00	20	32.4
	Wr	eP			58.2
24	Wr	eP	20	21	12.7
25	Wr	eP	03	05	16.5
25	Wr	eP	14	22	55.4
25	Wr	eP	23	09	41.1
26	Lh	eP	00	45	03.0
	Wr	eP			59.6
26	Wr	eP	16	24	42.5
26	Wr	eP	20	54	41.9
27	Wr	eP	16	41	33.4
27	Wr	eP	21	03	53.4
27	Wr	eP	23	43	38.1
28	Wr	iP	02	11	04.9d
28	Lh	eP	13	44	14.0
	Wr	eP			29.8d
28	Wr	iP	20	03	38.4d
		iS		04	06.0
	Ml	iP			00.8c
		iS			42.9
	Lh	eP			18.6
	Qt	eP			41.9
		eS		06	01.2

H=20 03 02.0
36°.0N , 70°.8E
Hindukush
depth about 160 km.

28	Wr	iP	21	58	27.9c
	Lh	eP			30.5
	Ml	iP			33.8d

Continuation
March'1966

1	Qt	eP	01	10	13.5
1	Qt	eP	05	01	28.5
		e,S)		02	56.6
1	Qt	eP	10	39	34.3
1	Qt	eP	12	41	08.1
1	Qt	eP	12	44	02.1
1	Qt	eP	21	49	50.7
1	Qt	eP	21	59	09.2
		eS	22	00	26.4

March'1966

1	Qt	eP	23	27	20.4
2	Qt	eP	02	41	35.2
2	Qt	eP	03	02	25.5
2	Qt	eP	04	04	23.4
		eS		05	40.6
2	Qt	eP	07	35	55.2
2	Qt	eP	12	03	02.6c
2	Qt	eP	13	13	49.2
2	Qt	eP	14	17	42.5
2	Qt	eP	20	26	20.8
2	Qt	eP	20	41	40.2
3	Qt	eP	03	36	15.0d
		eS		45	02.0

	Mu	Sec
MH	12.9	20
△	= 66°.5	
Mag	= 6.2(Qt)	

3	Qt	eP	21	47	20.0
3	Qt	eP	23	40	40.3
4	Qt	eP	00	16	40.7
4	Qt	eP	05	30	36.1
4	Qt	eP	06	01	43.1
		eS		02	15.2

Barkhan, Aftershock,
West Pakistan

4	Qt	eP	09	46	44.6
4	Qt	eP	17	53	18.0
		eX		59	44.9
4	Qt	eP	17	59	57.4
4	Qt	eP	18	59	57.1
4	Qt	eP	22	30	49.3
5	Qt	ePKP	00	17	50.4
		ePP		19	30.4
		ePPP		22	09.0

	Mu	Sec
MH	2.5	20
△	= 122°	

Newzealand
Mag = 6.2(Qt)

5	Qt	eP	00	26	15.4
5	Qt	eP	02	54	13.2
5	Qt	eP	04	58	41.8

March' 1966

5	Qt	eP	21	07	24.9
5	Qt	eP	23	08	32.5
6	Qt	eP	00	19	24.9
6	Lh	P	02	12	14
		S		13	07
	Wr	P		12	53
	Qt	eP		13	40.9
		eS		15	46.2

Mu	Sec
PZ 0.02	0.8

△ = 11°.0

Ch	P	02	14	06	

H= 02 11 03
31°.8N , 80°.0E
Tibet
depth about 33 km.
Mag= 5.4(Qt)

6	Lh	P	02	17	15
		S		18	11
	Qt	eP			44.3
		eS		20	50.3
6	Qt	eP	17	49	28.9
6	Qt	eP	18	20	42.6
6	Qt	eP	19	12	13.8
7	Qt	iP	01	21	09.8c
		eS		25	23.2

Mu	Sec
PZ 0.07	1.0

△ = 24°.3
Turkey
Mag= 5.3(Qt)

7	Qt	eP	03	46	16.4
7	Qt	eP	07	28	13.8
7	Qt	eP	17	16	44.8
7	Qt	eP	20	52	11.2
7	Qt	eP	20	54	06.7
		eS		55	26.0
7	Ch	P	21	34	39
	Lh	P		35	59
		S		41	21
	Qt	eP		36	53.2
		eS		43	00.2
7	Qt	eP	22	41	50.2
8	Qt	eP	00	12	26.9
8	Ch	P	01	25	59
	Qt	eP		27	48.2

March' 1966

8	Qt	eP	02	11	54.7
8	Qt	eP	03	42	46.5
		eS		44	03.9
8	Lh	P	05	50	49
		S		58	40
	Qt	eP		51	28.6c
		eS		59	46.0

Mu	Sec
MH 1.9	20

△ = 63°.3
Mag = 5.7(Qt)

8	Qt	eP	06	38	31.4
8	Qt	eP	07	23	18.5
		eS		24	33.5
8	Qt	eP	07	44	18.2
8	Qt	eP	08	58	44.9
8	Qt	eP	12	15	49.4d
		eS		16	05.5

Mu	Sec
PZ .02	.07

△ = 1°.2
Felt Hindubagh
Mag = 4.0(Qt)

8	Qt	eP	12	29	38.7
8	Qt	eP	14	07	55.3
8	Qt	eP	18	48	50.1
8	Qt	eP	21	05	18.2
8	Qt	eP	21	08	18.2
		e(S)		15	04.5
8	Qt	eP	23	34	43.2
8	Qt	eP	23	38	13.7

(Abdul Qadir Khan)
for
DIRECTOR,
Meteorological Service.

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International Seismological Centre

REVISED FINAL INTERPRETATION OF WEST PAKISTAN EARTHQUAKES (MAIN SHOCK, FORE SHOCKS AND AFTER-SHOCKS) FROM 24TH JANUARY '66 TO 14TH FEB, 1966

International Seismological Centre

List of Barkhan Earthquakes (near Fort Munro) West Pakistan.
Surface Focus used.

24.1.1966 Qt iP 07 23 48.3c
iS 24 18.6
Lh iP 07 24 15.5d
Wr iP 19.0c
Ml eP 22.0c
H=07 23 07.8
30°.1N , 69°.7E
Mag= about 5¼(Qt)

24.1.1966 Qt iP 15 33 30.8c
iS 34 04.1
Mu Sec
PZ 0.16 0.8
△ = 2°.35
Lh iP 15 33 57.5
Wr iP 59.9c
Ml eP 34 03.1
H=15 32 50.3
30°.0N, 69°.7E
Mag = 5.3(Qt)

7.2.1966 Qt iP 04 26 51.6c
Lh iP 27 19.0d
Wr iP 21.7c
Ml eP 29.2c
H=04 26 11.1
30°.0N, 69°.7E
Mag= about 6¼ (Qt)

* —————————————————— *

7.2.1966 Qt iP 23 07 15.5d
Lh eP 38.5
Wr iP 40.3
Ml eP 44.1
H=23 06 33.0
30°.1N , 69°.8E
Mag= about 6, (Qt)

8.2.1966 Qt iP 00 04 01.5c
iS 35.2
Mu Sec
PZ 0.01 0.8
△ = 2°.6
Wr eP 00 04 22.9c
Ml eP 27.3
H= 00 03 17.5
30°.2N , 69°.9E
Mag= 4.1(Qt)

8.2.1966 Qt iP 00 12 13.3c
iS 47.6
Mu Sec
PZ 0.02 0.8
△ = 2°.55
Lh eP 00 12 34.2
Wr eP 35.6c
Ml eP 39.5
H=00 11 30.0
30°.2N , 69°.9E
Mag = 4.4(Qt)

8.2.1966 Qt iP 00 26 37.5c
iS 27 09.8
Mu Sec
PZ 0.02 0.8
△ = 2°.5
Lh eP 00 27 01.2
Wr eP 05.9c
Ml eP 07.0
H=00 25 54.9
30°.0N , 69°.8E
Mag= 4.4(Qt)

8.2.1966 Qt iP 05 53 48.8c
iS 54 20.4
Mu sec
PZ 0.06 0.8
△ = 2°.6
Lh iP 05 54 10.0d
Wr eP 15.0
Ml eP 16.6
H= 05 53 04.8
29°.9N , 69°.9E
Mag = 4.9(Qt)

8.2.1966 Qt iP 08 00 05.7d
iS 36.6
Mu Sec
PZ 0.01 0.8
△ = 2°.45
Lh iPg 08 00 48.1
Wr eP 34.3
H= 07 59 23.8
29°.9N , 69°.8E
Mag= 4.1(Qt)

8.2.1966 Qt iP 12 09 01.6d
iS 32.8
Mu Sec
PZ 0.01 0.8
△ = 2°.45
Lh iPg 12 09 43.5
Wr eP 28.1
Ml eP 32.0
H= 12 08 19.7
30°.1N , 69°.8E
Mag= 4.1(Qt)

9.2.1966 Qt iP 08 22 58.5c
iS 23 34.0
Mu Sec
PZ 0.06 0.8
△ = 2°.5
Lh eP 08 23 22.5
Wr eP 25.8c
H= 08 22 15.9
29°.9N , 69°.8E
Mag= 4.9(Qt)

9.2.1966 Qt iP 22 26 50.2c
iS 27 21.4
Mu Sec
PZ 0.04 0.8
△ = 2°.45
Lh eP 22 27 13.5
Wr eP 13.8
Ml eP 17.6
H= 22 26 08.3
30°.2N, 69°.8E
Mag = 4.7(Qt)

11.2.1966 Qt iP 06 13 59.8c
iS 14 31.2
Mu Sec
PZ 0.01 0.8
△ = 2°.45
Lh iPg 06 14 42.4
Wr eP 28.8
H= 06 13 17.9
29°.9N , 69°.7E
Mag= 4.1(Qt)

13.2.1966 Qt iP 19 10 25.5c
iS 56.7
Mu Sec
PZ 0.08 0.8
△ = 2°.4
Lh eP 19 10 52.0c
Wr eP 55.9c
Ml eP 59.3c
H= 19 09 44.3
29°.9N , 69°.7E
Mag= 5.0(Qt)

14.2.1966 Qt iP 05 41 46.7c
iS 42 18.4
Mu Sec
PZ 0.09 0.8
△ =,2°.40
Lh eP 05 42 13.9
Wr eP 16.8c
H= 05 41 05.5
29°.9N , 69°.7E
Mag= 5.1(Qt)

* 7.2.1966 Qt iP 08 38 53.3c
iS 39 25.8
Lh iPg 33 .7
Wr eP 38 18.3c
H= 08 38 11.4
30°.2N , 69°.8E
Mag= about 4¾ (Qt)

(Abdul Qadir Khan)
for DIRECTOR,
Meteorological Service.

International Seismological Centre

LIST OF SEISMOLOGICAL OBSERVATORIES IN PAKISTAN

International Seismological Centre

Station	Abreviation	Latitude	Longitude	Altitude Meters	Ground
Quetta	Qt	30° 11'N	66° 57'E	1721	Gretaceous Limestone
Lahore	Lh	31° 33'N	74° 20'E	210	Alluvium
Warsak	Wr	34° 09'N	71° 25'E	343	River Terrace
Chittagong	Ch	22° 21'N	91° 49'E	35	Alluvium
Mangla (New Mirpur)	Ml	33° 09'N	73° 45'E	436	Balagala Fan Gravels.
Karachi *	Kr	24° 50'N	67 °02'E	30	Alluvium

* This observatory has recently been shifted to a new site about 15 miles away. New coordinates will be supplied later.

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the ____ March'1966

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

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

Provisional Readings at Seismological Station from 9th to 15th March'1966

Additional
March'1966

1	Wr	eP	05	00	40.8
	Ml	eP		01	21.4
2	Wr	iP	02	41	56.0c
	Lh	eP		42	30.0
2	Wr	eP	04	03	23.3
		eS		04	00.3
	Ml	iP		03	48.0
		eS		04	39.0
	Qt	eP			23.4
		eS		05	40.6

H=04 02 36.0
36°.8N , 70°.0E
Hindukush Region
depth about 96 km.

2	Ch	eP	07	33	09.0
	Wr	eP		33	40.4
2	Ch	eP	12	02	13.0
	Wr	eP			28.9
2	Wr	eP	13	13	13.1
3	Ch	eP	03	35	01.0
	Lh	eP			38.0
4	Wr	eP	06	01	35.8
	Lh	eP		02	25.7
	Ml	iP			27.8
5	Wr	eP	00	17	47.6
5	Wr	eP	02	53	53.8
5	Wr	eP	21	07	40.6
6	Ch	eP	00	17	47.0
6	Ch	eP	02	19	06.0
	Ml	eP			27.8
6	Wr	eP	19	11	20.5
7	Wr	iP	01	21	26.3c
	Lh	eP			56.0
7	Wr	eP	20	53	10.4
		eS			41.9
	Ml	eP			40.0
	Lh	eP			50.7
		eS		54	52.5
	Qt	eP			06.7
		eS		55	26.0

H=20 52 27.0
36°.1N , 70°.7E
Hindukush Region
depth about 250 km.

March'1966

7	Wr	iP	21	36	09.2
7	Lh	eP	22	40	47.6
	Wr	eP		41	14.9d
8	Wr	eP	01	27	31.9
8	Ml	eP	07	22	38.5
	Lh	eP		23	42.0
8	Lh	eP	21	05	37.5c

Continuation
March'1966

9	Qt	eP	09	51	42.3
9	Qt	eP	15	09	16.1
		eS		11	30.4
9	Qt	eP	16	03	12.9
9	Qt	eP	16	15	09
			On set poor		
9	Qt	eP	23	23	03.8
		eS		30	30.6
10	Qt	eP	02	19	33.2
10	Qt	eP	04	09	18.7
		e(S)		13	34.0
10	Ch	P	04	33	45
	Qt	eP		35	44.8
		eS		43	23.0
10	Qt	eP	11	06	37.9
10	Qt	eP	11	23	59.4
10	Qt	eP	12	52	14.6
10	Qt	eP	15	34	15.1
		eS		35	28.1
10	Qt	eP	16	30	08.2
		eS		31	28.9
10	Qt	eP	19	15	18.3
10	Qt	eP	20	31	35.8
		eS		32	51.9
10	Qt	eP	23	10	51.1
10	Qt	eP	23	35	02.4
11	Qt	eP	02	10	37.6
11	Qt	iP	04	21	01.8c
		eS			33.6

	Mu	Sec
PZ	0.03	0.8

△ = 2°.7
Barkhan, West Pakistan
after shock
Mag :- 4.6(Qt)

March' 1966

11	Qt	eP	06	28	23.6
11	Qt	eP	08	14	09
			On	set	poor
11	Qt	eP	15	48	09.5
		eS		49	28.6
11	Qt	eP	19	23	15.4
		eS		24	25.6
11	Qt	eP	20	08	46.4
11	Qt	eP	21	07	57.7
11	Qt	eP	23	28	50.3
11	Qt	eP	23	49	50.2
12	Qt	eP	01	24	22.6
12	Lh	P	16	39	18
		S		45	45
	Qt	iP		40	08.9d
		eS		49	21

Mu	Sec
PZ 0.4	1.2

△ = 51°.0
Formosa
Mag= 6.2(Qt)

12	Qt	eP	18	08	23.5
		eS		15	36.4

Mu	Sec
PZ 0.03	1.2

△ = 51°.0
Formosa
aftershock
Mag= 5.1(Qt)

12	Qt	eP	18	22	31.9
12	Qt	eP	18	39	38.2
12	Qt	eP	18	46	10.5c
12	Qt	eP	19	22	48.2
12	Qt	eP	19	31	50.5
12	Qt	eP	19	38	00.3
12	Qt	eP	20	40	32.8
12	Qt	eP	20	44	54.2
12	Qt	eP	21	00	38.3
12	Qt	eP	21	05	51.2
12	Qt	eP	22	13	08.5
12	Qt	eP	22	27	22.9
13	Qt	eP	04	20	08.3
			On	set	poor
13	Qt	eP	06	58	25.7
13	Qt	eP	07	38	43.0
13	Qt	eP	08	11	32.1

March' 1966

13	Qt	eP	10	58	35.9
13	Qt	eP	15	07	37.8d
13	Qt	eP	16	25	01.9
13	Qt	eP	18	18	22 On set-
13	Qt	eP	18	59	33.1 poor
13	Qt	iP x	19	06	55.9d
		eS		08	17.0
13	Qt	eP	19	10	42.6
14	Qt	eP	04	48	23.3
		eS		53	07.0
14	Qt	iP	06	48	11.0c
14	Qt	eP	07	31	05.7
14	Qt	eP	09	30	37.3
14	Qt	eP	13	29	09.1
14	Qt	eP	19	17	58.1
14	Qt	eP	23	40	52.9
15	Qt	eP	09	15	07.7c
		eS			38.5
	Lh	eP	09	15	50
		S		16	42

Mu	Sec
PZ 0.02	0.7

△ = 2°.6
Barkhan, West Pakistan
After shock
Mag = 4.5(Qt)

15	Qt	iP	11	22	48.2
15	Qt	eP	16	28	11.6
15	Qt	eP	19	31	46.8
15	Qt	eP	23	21	25.3
15	Qt	iP	23	40	37.3
		ePP		42	34.0
		eS		48	04.8

Mu	Sec
PZ 0.11	1.8
MH 1.9	20

△ = 53°.2
Mag = 5.5(Qt)

(Abdul Qadir Khan)
for DIRECTOR
Meteorological Service.

International Seismological Centre

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POST BOX NO."2"QUETTA

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the_____March' 66

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

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

Provisional Readings at Seismological Station from 16th March to 23rd March' 1966

Additional
March' 1966

9	Wr	eP	15	08	15.0
9	Wr	eP	23	22	59.6
10	Wr	iP	04	35	10.5d
10	Wr	eP	12	51	57.1
10	Wr	eP	15	33	16.9
		eS			44.9
10	Wr	eP	16	29	06.4
10	Wr	iP	20	30	22.4
		iS			40.7
	Ml	eP			32.3
		eS			58.6
	Qt	eP		31	35.8
		eS		32	51.9

H= 20 29 57.7
35°.0N , 72°.7E
Tadzhik S.S.R.
depth about 96 km.

11	Qt	iP	04	21	01.8c
		eS			33.6
	Wr	eP			24.2
	Ml	eP			27.9
		eS		22	33.8
	Lh	eP		21	36.0
		eS		22	30.0

H = 04 20 17.7
32°.8N , 68°.1E
Afghanistan
depth about 160 km.

11	Ch	eP	06	26	29.0
11	Wr	eP	15	47	11.4d
		iS			45.6
	Ml	eP			30.3
		eS		48	17.6
	Qt	eP			09.5
		eS		49	28.6

H= 15 47 11.4
36°.4N , 70°.8E
Hindukush Region
depth about 200 km.

11	Wr	eP	19	22	04.1
11	Wr	eP	20	09	08.7

March' 1966

12	Ch	eP	16	37	13.0
	Ml	eP		39	24.0
	Wr	eP			36.7
12	Ch	eP	18	05	24.0
	Lh	eP		07	32.4
	Wr	iP			51.3c
12	Wr	iP	18	46	22.2c
	Lh	eP			26.4
12	Wr	iP	19	22	16.3c
12	Wr	iP	19	31	18.8d
12	Wr	eP	20	44	05.6
12	Wr	eP	21	00	07.6
13	Wr	eP	08	11	00.9
13	Ch	eP	14	59	41.0
	Wr	eP	15	01	41.4
13	Wr	eP	19	05	54.9
		eS		06	27.1
	Ml	iP			14.0
		iS		07	01.0
	Qt	iP		06	55.9
		eS		08	17.0

H= 19 05 11.5
36°.4N , 71°.0E
Hindukush region
depth about 220 km.

14	Ch	eP	04	45	32 ±
	Wr	eP			41.2
14	Wr	eP	09	30	06.1
15	Ml	eP	09	16	00.2
15	Ch	eP	11	19	53.0
	Lh	eP		21	57.0
15	Ch	eP	23	37	41.0
	Ml	eP		39	37.3
	Lh	eP			45.8c

Continuation
March' 1966

16	Ml	P	00	08	50
		S		09	09
	Lh	P		08	54
		S		09	23
	Qt	eP		10	14.1
		eS		11	46.9

cont..2/-

March 1966

		Mu	Sec
	PZ	0.02	0.8

H= 00 08 15
33°.4N , 76°.0E
Kashmor
depth about 160 km.
Mag= 4.7(Qt)

16	Qt	eP	05	50	56.9
16	Qt	eP	10	42	41.1
		e(S)		46	36.9
16	Qt	eP	12	31	54.9
16	Qt	eP	17	41	08.9c
		eS			40.9

	Mu	Sec
PZ	.03	0.7

△ = 2°.7
Barkhan (West Pakistan)
after shock
Mag = 4.7(Qt)

16	Lh	P	20	47	13
		S		54	19
	Qt	eP		47	56.8
		eS		55	43.8

	Mu	Sec
PZ	0.09	1.3
MH	1.6	20

△ = 58°.1
Mag = 5.6(Qt)

16	Qt	eP	23	00	06.4
17	Qt	eP	04	07	45.4
		e(S)		16	11.0
17	Qt	eP	04	18	04.2
17	Qt	eP	05	48	00.5
		eS		50	29.1
17	Qt	eP	08	12	36.5
		eS		13	46.7
17	Qt	eP	08	17	57.2
17	Qt	eP	08	48	12.6
17	Qt	eP	09	59	35.0
17	Qt	eP	16	04	50.8
17	Qt	iP	16	08	15.0d
		ePP		09	52.0
		eS		14	18.4

	Mu	Sec
PZ	0.12	0.7

△ = 40°.0
Mag= 5.4(Qt)

17	Qt	eP	19	48	32.9
18	Qt	eP	10	44	49.1
		eS		45	22.1

	Mu	Sec
PZ	0.01	0.7

△ = 2°.7
Barkhan (West Pakistan)
after shock
Mag= 4.2(Qt)

18	Qt	eP	14	26	32.3d
18	Qt	eP	15	31	22.4
18	Qt	eP	17	14	31.1
18	Qt	eP	17	16	24.9
18	Qt	eP	18	23	47.6
19	Qt	eP	08	22	05.3
19	Qt	eP	13	55	54.9
19	Qt	eP	15	05	01.3
19	Qt	eP	15	08	25.9
19	Qt	eP	17	07	15.9
19	Qt	eP	17	22	13.7
19	Qt	eP	17	25	37.4
19	Qt	eP	17	29	49.5
19	Qt	eP	17	53	04.4
19	Qt	eP	20	50	13.3
20	Qt	eP	01	51	09.0
		iP			13.1d
		eS		57	58.8

	Mu	Sec
PZ	0.23	1.3

△ = 46°.6
Uganda
Mag = 6.0(Qt)

20	Qt	eP	02	48	02.3
20	Lh	P	05	54	15
		(S)		57	41
	Qt	iP		54	46.4c
		eS		58	51.2

	Mu	Sec
PZ	0.19	0.9

△ = 23°.0
Russian underground explosion
Mag= 5.6(Qt)

20	Qt	eP	06	28	47.5
20	Qt	iP	08	06	35.6d
20	Qt	eP	09	04	01.0
20	Qt	eP	09	23	23.8d
20	Qt	eP	10	09	52.8
20	Qt	eP	11	31	47.9c
20	Qt	eP	11	41	27.3
20	Qt	eP	16	19	14.0
20	Qt	eP	17	36	50.6
20	Qt	eP	22	38	30.5
21	Qt	eP	00	11	48.7
21	Qt	eP	01	38	53.53
		Onset poor			
21	Qt	eP	04	09	39.5
		eS		10	58.2
21	Qt	iP	06	38	28.1c
21	Qt	eP	09	32	15.5
21	Qt	eP	13	56	39.6
21	Qt	eP	14	21	54.4
21	Qt	eP	16	12	07.1
21	Qt	eP	19	56	07.2
21	Qt	eP	20	46	22.0
21	Qt	eP	22	44	54.0
21	Qt	eP	23	00	23.9
21	Qt	eP	23	11	08.6
22	Lh	P	08	18	20
		S		23	40
	Qt	eP		19	12.4c
		ePP		20	54.0
		eS		25	23.0

	Mu	Sec
PZ	0.06	1.2

△ = 41°.1
Northern China
Mag=5.2(Qt)

cont...3/-

International Seismological Centre

March' 1966

22	Lh	P	08	25	18
	Qt	iP		27	10.1c
		iPP		28	50.0
		iS		33	16.0
		Mu		Sec	
	PZ	0.28		1.4	
	△ = 40°.4				
	Mag= 5.9(Qt)				
22	Qt	eP	19	11	06.5
		eS		12	24.0
22	Qt	eP	21	40	33.6
22	Qt	eP	22	43	08.0
		eS		44	18.0
23	Lh	P	00	12	34
		S		18	58
	Qt	iP		13	25.0c
		eS		20	32.5
		Mu		Sec	
	PZ	0.25		1.0	
	MH	12.4		20	
	△ = 50°.1				
	Formosa				
	Mag- 6.1(Qt)				

March' 1966

23	Qt	eP	03	44	05.0
23	Qt	eP	03	47	24.0
23	Qt	eP	04	28	36.2
23	Qt	ePKP	04	31	16.0d
23	Qt	eP	08	20	12.5
23	Qt	eP	17	35	36.0
23	Qt	eP	22	00	20.7
23	Qt	eP	22	16	20.7
23	Qt	eP	23	31	38.0

(Abdul Qadir Khan)
for DIRECTOR
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GOVERNMENT OF PAKISTAN
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P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the_____April' 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 to 31st March' 1966

Additional
March' 1966

16	Wr	eP	00	09	16.7
16	Wr	eP	10	43	10.8
16	Wr	eP	17	41	39.5
	Lh	eP			50.4
	Ml	eP			59.8
16	Wr	eP	23	00	41.9
17	Wr	eP	05	47	15.2
17	Wr	eP	08	11	50.0
17	Wr	eP	08	47	51.6
17	Lh	eP	16	08	02.3
	Wr	iP			08.0c
18	Wr	eP	10	45	17.6c
	Lh	eP			22.0
	Ml	eP			29.0
18	Wr	eP	18	23	20.4
19	Wr	eP	08	21	14.5
19	Wr	eP	15	07	55.9
19	Wr	eP	17	06	40.3
19	Wr	eP	17	30	13.3c
20	Wr	iP	01	51	53.3d
	Lh	eP		52	00.0
		eS		59	35.0
	Ml	eP		52	02.5
20	Wr	eP	02	48	43.3c
20	Wr	eP	05	53	45.7
	Ml	eP			55.6
	Lh	eP		54	15.0
		eS		57	41.0
	Qt	iP		54	46.4c
	eS			58	51.2

	Mu	Sec
PZ	0.19	0.9

△ = 21°.3
H = 05 49 56.0
49°.9N , 78°.1E
Semipalatinsk.
Eastern Kazakh SSR
Surface Focus
Mag : 5.6(Qt)

March' 1966

20	Wr	eP	08	06	27.9
20	Wr	eP	09	04	41.3
20	Ml	eP	10	09	35.2
	Wr	eP			50.6
20	Ml	eP	11	31	29.2
	Wr	eP			45.1
20	Wr	eP	17	36	26.8
21	Wr	eP	01	39	44.4
21	Wr	eP	06	37	54.6
21	Wr	eP	14	21	26.5
21	Wr	eP	16	12	00.5
21	Wr	eP	19	55	49.9
22	Wr	eP	08	18	31.5
22	Wr	iP	08	26	30.4c
	Ml				38.2
22	Wr	eP	19	10	07.4
	Lh	eP			46.2
		eS		11	49.0
	Qt	eP			06.5
		eS		12	24.0
	H= 19 09 21.0				
	36°.6N , 71°.0E				
	Hindukush				
	depth about 223 km.				
22	Ml	eP	22	43	57.6
23	Ml	eP	00	12	38.5
	Wr	eP			53.3c
23	Ml	eP	22	56	08.4
23	Ml	eP	23	31	20.3

Continuation
March' 1966

24	Qt	eP	01	09	21.4
24	Qt	eP	04	23	31.0
24	Qt	eP	08	44	44.3
24	Qt	eP	13	15	36.3
24	Qt	eP	16	32	50.5
		eS		34	08.0
24	Qt	eP	20	12	25.2
24	Qt	eP	22	26	38.8

March' 66

25	Qt	eP	09	08	29.0c
25	Qt	eP	11	28	36.7
25	Qt	eP	13	07	03.0d
25	Qt	eP	13	15	07.0
25	Qt	eP	19	09	41.5
25	Qt	eP	20	00	41.6
25	Qt	eP	20	04	04.5
25	Qt	eP	22	05	54.3
25	Qt	eP	23	03	22.8
25	Qt	eP	23	07	49.8
		eS		09	09.5
25	Qt	eP	23	23	47.4
26	Qt	eP	00	06	30.0
26	Qt	eP	09	52	40.4
26	Qt	eP	13	48	42.9
26	Qt	iP	14	17	58.9d
26	Qt	eP	14	24	20.6
		eS		25	37.2
26	Qt	eP	15	22	08.0
26	Lh	P	15	25	46
		S		31	11
	Qt	iP		26	34.6c
		eS		32	48.0

	Mu	Sec
PZ	0.14	1.3
MH	3.0	20

△ = 41°.5
Mag= 5.6(Qt)

26	Qt	eP	18	21	56.7
26	Qt	iP	18	51	47.7c
		eS		52	18.0

	Mu	Sec
PZ	0.02	0.8

△ = 2°.6
Barkhan(West Pakistan)
After shock
Mag = 4.4(Qt)

27	Qt	eP	01	45	11.5
27	Qt	eP	03	40	56.1
27	Qt	eP	04	32	50.4d
27	Qt	eP	13	36	38.5
27	Qt	eP	17	49	01
		On set poor			
27	Qt	ePKP	19	12	52.6
		ePP		15	13.4
27	Qt	eP	19	55	47.5
27	Qt	eP	20	09	55.1
27	Qt	eP	20	46	04.9
		eS		47	24.5
27	Qt	eP	21	04	54.5
28	Qt	eP	00	14	43.5
		eS		16	05.7
28	Qt	eP	03	34	04.8
28	Qt	eP	04	54	38.1c
28	Qt	eP	14	10	40.2
28	Qt	eP	15	48	48.7
28	Qt	eP	15	57	11.7
		e(S)	16	07	37.2
28	Qt	iP	16	14	27.7d
28	Qt	iP	17	11	26.7c
28	Qt	eP	18	02	05.2
28	Qt	eP	18	49	30.2

March' 1966

29	Ch	P	02	25	58
		S		32	35
	Qt	eP		28	20.7
		eS		37	02.9
29	Qt	eP	02	56	52.1
29	Ch	P	06	17	25
		S		21	54
	Lh	P		18	43
		S		24	06
	Qt	iP		19	34.5c
		eS		25	44.0

	Mu	Sec
MH	8.4	20

△ = 41°.4
Mag= 5.9(Qt)
AmplitudeofPwaves as recorded at Quetta unusually small.

29	Qt	eP	07	32	54.0
		e(S)		34	00.0
29	Qt	eP	11	01	03.5
29	Qt	eP	15	52	34.7
29	Qt	eP	16	15	30.7
		eS		16	39.0
29	Qt	eP	17	32	30.6c
29	Qt	eP	18	41	26.8
29	Qt	eP	20	11	01.8
		eS		12	28.3
29	Qt	eP	20	26	02.0
		eS		27	31.0
29	Qt	eP	23	09	47.6
30	Qt	iP	04	20	51.7d
		eS		22	28.4
	Lh	P	04	22	02
		S		24	48
		Arabian Sea			
30	Qt	eP	04	32	55
		On set poor			
30	Qt	eP	05	13	06.3
30	Qt	eP	05	40	06.2
30	Qt	eP	05	59	04.7
30	Qt	eP	08	25	39.0
30	Qt	eP	08	27	16.3
30	Qt	eP	09	17	35.0
		eS		19	12.0
30	Qt	eP	17	33	15.5
30	Qt	eP	17	40	18.2
30	Qt	eP	18	16	23.6
30	Qt	eP	18	56	37.0
30	Qt	eP	20	59	45.1
30	Qt	iP	21	27	40.4c
		eS		28	58.4
31	Qt	eP	01	27	27.0
		eS		28	50.0
31	Qt	eP	05	22	11.0
31	Qt	eP	14	02	08.5
		eS		03	29.0

	Mu	Sec
PZ	0.03	0.8

△ = 2°.6
Barkhan (West Pakistan)
After shock
Mag = 4.6(Qt)

International Seismological Centre

March' 1966

31	Qt	eP	14	52	24.0
31	Qt	eP	16	30	48.2
31	Qt	eP	19	05	09.2
31	Qt	iP	22	50	29.2c

March' 1966

31	Lh	P	23	39	26
		S		40	27
	Qt	iP		39	41.6d
		eS		40	58.6

Hindukush

(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

International Seismological Centre

No. SS-9(2)/63/ Quetta, the April' 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 1st to 8th April, 1966

Additional March, 1966

24	Wr	eP	08	44	53.1
24	Wr	eP	20	12	20.5
25	Wr	eP	09	08	11.2
25	Wr	eP	11	28	27.9
25	Wr	eP	23	06	50.4
26	Wr	eP	14	23	24.9
		eS			54.4
	Ml	eP			44.0
		eS		24	33.0
	Qt	eP			20.6
		eS		25	37.2
		H= 14 22 42.0			
		36°.0N , 70°.6E			
		Hindukush			
		depth about 200 km.			
26	Ch	eP	15	20	01.0
26	Ch	eP	15	24	30.0
	Wr	eP		25	58.5c
26	Ch	eP	18	19	50.0
	Wr	iP		21	16.0d
26	Wr	eP	18	52	17.7
	Ml	eP			29.7
	Lh	eP			31.5
27	Wr	eP	01	46	11.6
27	Wr	eP	03	40	52.9
27	Ch	eP	19	13	27.0
27	Wr	eP	20	45	07.3
		eS			39.8
27	Ch	eP	21	02	48.0
28	Wr	eP	00	13	32.3
	Ml	eP		14	51.5
28	Ch	eP	03	32	51.0
28	Ch	eP	04	53	49.0
	Wr	eP		54	59.1c
28	Wr	eP	15	48	48.6
28	Wr	eP	15	56	44.6
28	Wr	eP	17	10	15.6
	Ml	eP			50.6c
28	Wr	iP	18	02	14.4d
29	Wr	iP	02	27	50.8d
29	Wr	iP	06	18	52.9c
29	Wr	eP	16	14	41.8
		eS		15	13.8
29	Wr	eP	20	09	55.8
30	Wr	eP	04	22	04.9
	Ml	eP			08.8
30	Wr	eP	05	39	31.2
30	Wr	eP	21	26	41.3
		eS		27	12.8

March' 1966

31	Wr	eP	01	26	24.9
		eS			57.9
	Ml	eP			44.5c
		eS		27	32.0
	Qt	eP			27.0
		eS		28	50.0
		H=01 25 41.0			
		36 .6N , 70 .9E			
		Hindukush			
		depth about 160 km.			
31	Wr	eP	14	03	12.6
31	Wr	iP	23	38	44.9c

Continuation April' 1966

1	Qt	eP	01	20	53.7
1	Qt	eP	03	03	00.0
1	Qt	ePKP	03	51	03.1
1	Qt	eP	05	31	38.0
1	Qt	eP	08	25	25.0
		eS		26	44.5
1	Qt	eP	09	05	50.5
1	Qt	eP	13	22	21.9
2	Qt	eP	02	11	48.3d
2	Qt	eP	21	27	04.9
2	Qt	eP	21	38	09.4d
3	Lh	P	04	53	03.
	Qt	iP			47.0c
		eS	05	02	00.0
3	Qt	eP	11	43	47.5
3	Qt	eP	14	23	32.
		On set poor			
		eS		25	09.9
3	Qt	eP	14	42	18.0
4	Qt	eP	02	23	25.8
4	Qt	eP	02	28	17.6
		eS		29	34.5
4	Qt	eP	02	57	46.4d
		eS	03	03	35.9
4	Qt	eP	06	15	32.5d
4	Qt	eP	06	48	20.8
		eS		53	18.8

	Mu	Sec
MH	20.6	20

Δ = 31°.5
Mag = 6.0(Qt)

4	Qt	eP	20	09	09.3
		eX		12	27.4
4	Qt	eP	20	36	03.5
4	Qt	eP	21	00	35.8
5	Qt	eP	00	13	42.0
5	Qt	eP	05	20	33.9
		eS		21	57.4
5	Qt	eP	06	18	10.5c
5	Qt	eP	09	01	15.2d
5		eS		09	04.4
5	Qt	eP	10	43	05.1
5	Qt	eP	15	30	30.2
5	Qt	eP	16	37	18.8
5	Qt	eP	17	14	21.5
5	Qt	eP	18	56	31.9
5	Qt	eP	19	12	24.4
6	Lh	P	01	52	47
		S		53	29
	Qt	iP			33.5d
		eS		54	50.6

	Mu	Sec
PZ	0.04	1.0

△ = 6°.8
Felt Kashmir
Mag = 5.6(Qt)

6	Lh	P	03	11	06
		S		21	03
	Qt	eP		11	09.3d
		eS		21	08.4
6	Qt	eP	06	57	18.8
6	Qt	eP	17	15	07.6
6	Qt	eP	18	17	23.2
6	Qt	eP	18	26	19.6
6	Qt	eP	19	55	19.8
6	Qt	eP	20	08	46.4

6	Qt	eP	21	07	23.6
6	Qt	eP	22	03	06.0
6	Qt	eP	22	41	19.6
6	Qt	eP	23	05	38.7
7	Qt	iP	09	51	46.1c
		eS		59	13.0
7	Qt	eP	13	27	34.7
7	Qt	eP	14	55	28.4
7	Qt	eP	19	15	43.5
		eS		17	07.2
7	Qt	eP	22	20	34.0
8	Qt	eP	00	02	05.6
8	Qt	eP	01	57	37.9c
		eS	02	06	18.2
8	Qt	eP	05	35	37.7
8	Qt	eP	06	04	04.9c
8	Qt	eP	09	30	21
			On	set	poor
8	Qt	eP	10	45	20.7
8	Qt	eP	11	29	00.5
8	Qt	eP	14	28	05.0
		eX		33	33.5
8	Qt	eP	16	41	17.3
		eS		42	36.3
8	Qt	iP	22	16	42.9d
		eS		18	01.0
8	Qt	eP	22	23	43.5
		ePP		27	06.0
		eS		34	11.0
		eScS			24.0

	Mu	Sec
MH	7.0	20

△ = 85°.5
Mag = 6.2(Qt)

8	Qt	eP	23	58	34.6

(Abdul Qadir Khan)
for DIRECTOR
Meteorological Service

—

International Seismological Centre

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____ April 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 9th April to 15th April 1966

Additional
April 1966.

1	Wr	eP	01	18	01.8
1	Ml	eP	03	02	25.2
1	Ml	iP	08	24	47.7c
		iS		25	35.4
1	Wr	eP	13	22	36.4
	Ml	iP			55.0d
2	Wr	eP	02	11	42.9
3	Ml	iP	04	53	02.1d
	Wr	eP			11.2c
3	Wr	eP	11	43	57.7
	Ml	eP		44	17.0
3	Wr	eP	14	23	54.8
4	Wr	eP	02	27	17.5
4	Wr	eP	02	57	40.1
4	Lh	eP	06	47	47.0
	Wr	eP		48	15.9
	Ml	eP			41.8
5	Ml	eP	05	19	52.3
		eS		20	38.0
6	Wr	iP	01	52	19.2d
	Ml	eP			25.7
6	Ml	eP	22	40	55.5
6	Ml	eP	23	05	23.9
8	Lh	eP	01	57	03.5
8	Ml	eP	22	16	08.8

Continuation.
April, 1966

9	Qt	ePKP	03	01	20.4
		ePP		03	36.2
9	Qt	eP	14	41	24.1d
9	Qt	eP	14	52	07.0
9	Qt	eP	18	05	31.0
9	Qt	eP	19	04	29.5
9	Qt	eP	19	17	09.0
9	Qt	eP	20	10	56.7
		e(S)		19	06.0
9	Qt	eP	20	21	23.0
9	Qt	eP	20	30	30.2
9	Qt	eP	23	30	36.9
10	Qt	eP	00	32	53.0
		eS		34	11.2
10	Ch	P	06	58	34
	Qt	eP	07	00	45.8

April 1966

10	Qt	eP	09	26	37
			Onset Poor		
10	Qt	eP	10	17	14.0
10	Qt	eP	10	51	27.6
10	Qt	ePKP	16	55	43.4
		ePP		58	58.0
		eSS	17	17	34.0

	Mu	Sec
MH	1.7	20

△ = 143°

	Lh	ePKP	16	55	56.0
	Ch	ePKP		56	13.0

Mag.= 6.0 (Qt)
Felt Chile

10	Qt	eP	19	32	52.6
		eS		34	56.4
10	Qt	eP	21	08	35.5
		eS		09	52.2
11	Qt	eP	16	17	25.7
11	Ml	P	16	44	32.0
		S		45	40.0
	Lh	P		44	56.0
	Qt	eP		45	06.9
		eS		46	08.1

	Mu	Sec
Pt	0.02	0.7

H = 16:43:48
34.5° N, 70°.4E
Afghanistan
Depth about 33 km.
Mag. 4.5(Qt)

11	Qt	ePKP	17	36	39.8
	Ch	PKP			54.0
11	Qt	eP	17	51	46.6
		eS		52	59.6
11	Qt	eP	18	38	53.3
11	Qt	eP	22	40	42.2
		eS		41	58.7

International Seismological Centre

April 1966

11	Lh	P	23	12	51.0
		S		23	11.0
	Ch	P		12	57.0
		S		23	20.0
	Qt	eP		13	09.2
		ePP		16	33.6
		eS		23	37.6
		eSeS			53.2

	Mu	Sec
MH	5.2	20

Δ = 86.5°

Mag = 6.1(Qt)

12	Qt	eP	13	24	33.2
12	Qt	ePKP	23	57	18.8
		ePP	00	00	34.2
		ePKS			54.2

	Mu	Sec
MH	21.5	20

Δ = 143°.0 CHILE

Mag = 6.7(Qt)

	Lh	ePKP	23	57	27.0
13	Qt	iP	03	02	01.8d
		eS		03	19.6
13		iPKP	03	54	54.0
		e(PP)		58	26.8
13	Qt	eP	04	45	46.0
		eS		47	37.5
13	Qt	eP	09	30	37.0
13	Qt	eP	12	52	06.9
		eS		53	25.0
13	Qt	eP	15	36	07.3
14	Qt	eP	09	58	17.9
14	Qt	eP	13	57	27
			Onset Poor		
		e(S)		59	13.7
14	Qt	eP	16	40	40.9
14	Qt	eP	17	19	11.4
14	Qt	eP	20	11	59.8
		eS		14	17.2

April 1966

14	Lh	P	21	08	12
		S		09	40
	Qt	iP		08	29.6c
		eS		10	12.8
14	Qt	eP	21	46	19.8
14	Qt	eP	21	58	14.3
14	Qt	eP	23	01	02.7
15	Qt	eP	03	16	38.6
15	Qt	eP	03	49	19.8
15	Qt	eP	05	09	58.6
15	Qt	eP	05	58	34
			Onset Poor		
		e(S)	06	00	06.4
15	Qt	eP	06	49	23.0
		eS		51	09.6
15	Qt	eP	17	45	38.2
		eS		47	17.6
15	Qt	eP	18	09	43.6
15	Qt	eP	23	39	19.2
15	Lh	P	23	39	08
		S		40	13
	Qt	eP		39	19.2
		eS		40	37.7

(Abdul Qadir Khan)
for Director,
Meteorological Service

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

No. SS-9(2)/63

Quetta, the 27th April 1966

International Seismological Centre

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 April to 23rd April'66

Additional
April 1966

9	Ch	eP	03	01	56.0
10	Wr	eP	00	31	51.4
		eS		32	21.4
	Ml	eP			10.5
		eS			58.7
	Qt	eP			53.0
		eS		34	11.2

H = 00:31:10.0
36°.3N, 71°.2E
Hindukush
Depth about 220km

10	Ml	eP	16	56	00.5
10	Ml	eP	21	08	03.5
		iS			53.6
11	Wr	eP	16	44	09.6
11	Wr	eP	17	36	32.9
	Ch	eP			54.0
11	Wr	eP	17	50	47.0
		eS		51	11.1
11	Wr	eP	22	39	43.7
		eS		40	15.7
	Ml	eP			06.0
		eS			53.5
	Qt	eP			42.2
		eS		41	58.7

H = 22:39:07.0
36°.0N, 70°.6E
Hindukush
Depth about 200 km.

11	Wr	eP	23	12	42.3c
12	Wr	eP	13	23	28.6
12	Ml	eP	23	57	25.4
13	Ml	eP	03	01	50.5
13	Wr	eP	04	45	25.5
13	Wr	eP	09	30	48.8
14	Ml	eP	13	58	21.6
14	Wr	eP	21	07	32.0c
	Ml	iP			54.1
		iS		09	07.0
	Qt	iP		08	29.6c
		eS		10	12.8

H = 21:06:19.0
38°.7N, 69°.0E
Tadzhik SSR
Depth about 96 Km.

15	Ml	iP	23	38	49.7d
		iS		39	40.8

Continuation.

April, 1966.

16	Lh	P	01	39	38
	Qt	iP			56.7c
		eS		50	22.7
16	Qt	eP	02	34	28.1
16	Qt	iP	10	23	41.9c
		e(S)		32	07.9
16	Qt	eP	14	51	43.4
		eS	15	02	26.3
16	Qt	eP	15	37	22
		ONSET POOR			
16	Qt	eP	15	41	25.1
16	Qt	eP	15	53	10.5
16	Qt	eP	18	19	17.4
17	Qt	eP	08	56	44.1
17	Qt	eP	14	06	52.2
		eS		08	56.2
17	Qt	eP	20	46	34.2
17	Qt	eP	21	57	11.2
18	Qt	iP	08	19	33.8d
		eS		23	58.9
18	Qt	eP	15	19	41.3
18	Qt	eP	18	30	22.8
		eS		31	39.6
18	Qt	eP	19	30	54.8
		e(S)		32	12.3
18	Qt	eP	22	28	43.8
19	Qt	eP	08	26	47.0
		eS		28	07.7
19	Qt	eP	18	07	39.3
19	Qt	eP	19	39	48.8
19	Qt	eP	20	37	34.5
20	Qt	eP	02	44	17.5
		eS		53	45.0
20	Qt	eP	05	45	06.2
20	Qt	eP	06	12	05.5
		eS		21	37.0
20	Qt	eP	14	12	51.1
20	Qt	eP	14	38	59.1
		e(S)		45	12.1
20	Qt	eP	15	51	11.6
20	Lh	P	16	37	03
	Qt	eP			43.2
20	Qt	iP	16	46	27.3c
		iS		50	00.3
20	Qt	eP	18	08	43.3
21	Qt	eP	06	52	15.0
21	Qt	eP	09	38	16.6
21	Qt	eP	15	54	29.5

April 1966.

21	Lh	P	15	54	56
		S	16	02	42
	Qt	eP	15	55	40.9
		eS	16	04	06.2

	Mu	Sec
MH	23.4	20

$\triangle = 62^{o},8$

Mag = 6.4(Qt)

21	Qt	eP	16	24	53.2
21	Qt	eP	16	30	40.6
21	Qt	eP	16	46	32.5
21	Qt	eP	17	02	20.4
		eS		03	40.3
21	Lh	P	17	46	23
		S		54	08
	Qt	eP		47	06.2
		eS		55	37.2
21	Qt	eP	19	35	02.1
		eS		37	04.9
22	Qt	eP	03	03	05.6
22	Qt	ePKP	03	26	13.8
		ePP		29	37.0
22	Lh	P	10	07	26
		S		08	29
	Qt	iP		07	45.5d
		iS		09	06.0
22	Qt	eP	10	28	34.1
22	Qt	eP	17	12	57.0
22	Qt	eP	20	47	36.3
22	Lh	P	23	39	44
		(S)		50	03
	Qt	eP		40	02.5d
		ePP		43	24.7
		eS		50	29.8
23	Lh	P	00	19	02
		S		26	54
	Qt	iP		19	38.6d
		eS		28	06.5
23	Qt	eP	01	10	55.0
		eS		12	13.5
23	Qt	eP	03	30	37.1
23	Qt	eP	03	32	12.7
23	Qt	eP	03	59	15.6c
23	Qt	eP	04	22	08.0
23	Qt	eP	05	41	19.6
23	Qt	eP	05	43	29.2
23	Qt	eP	06	13	39.8
23	Ch	P	09	04	00
		S		09	44
	Lh	P		06	14
		S		13	57
	Qt	iP		06	50.8d
		iS		15	05.9

	Mu	Sec
MH	9.6	20

$\triangle = 77^{o}.1$

Mag = 6.2(Qt)

April 1966.

23	Qt	eP	09	26	40.7
23	Qt	eP	09	36	04.4
23	Qt	eP	09	40	58.9
23	Qt	eP	11	16	54.1
23	Qt	eP	12	02	19.3
23	Qt	eP	12	43	01.9
23	Qt	eP	14	29	49.1
23	Qt	eP	18	17	16.0
23	Qt	eP	18	17	42.4
23	Qt	eP	18	29	03.0
23	Qt	eP	20	59	28.2

International Seismological Centre

(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

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____May 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 from24th April, to 30th April'66

Additional
April 1966

16	Wr	eP	01	39	29.8
16	Ml	eP	15	37	17.1
16	Wr	iP	18	19	38.4c
18	Wr	eP	08	20	23.1
18	Wr	eP	18	29	18.6
18	Wr	eP	19	30	04.7
	Ml	iP			43.5d
19	Wr	eP	08	25	49.6
		eS		26	23.6
19	Wr	eP	19	39	37.4
20	Wr	eP	02	43	50.8
20	Wr	eP	05	45	42.2
20	Wr	eP	06	11	35.4
20	Wr	eP	14	12	24.2
20	Wr	eP	16	37	15.8
20	Wr	eP	16	46	36.5
	Ml	eP			59.8
21	Qt	iP	04	02	47.2c
21	Ch	eP	15	53	48 ±
	Wr	iP		55	05.7c
21	Wr	eP	16	46	01.7
21	Wr	eP	17	01	21.3
	Ml	iP		02	00.6d
22	Ml	eP	10	07	03.5

Continuation
April,1966

24	Qt	eP	15	25	59.6
24	Qt	eP	18	08	59.6
24	Qt	eP	18	43	29.1
24	Qt	eP	20	53	13.9
25	Qt	eP	04	52	11.5
		eS		54	26.5
25	Qt	eP	07	34	40.0
		eS		36	27.2
25	Qt	eP	08	00	41.8
25	Qt	iP	08	04	08.0c
25	Qt	eP	10	59	48.3
25	Qt	iP	18	12	36.0d
		eS		13	08.2

	Mu	Sec
PZ	.05	0.4

△ = 2°.7

Lh	P	18	13	10
	S		14	09

BARKHAN,WEST PAKISTAN
Mag = 5.0 (Qt)

25	Lh	P	23	25	21
		S		27	19
	Qt	iP		25	33.4d
		eS		27	41.9

	Mu	Sec
PZ	0.1	1.2

△ = 11°.2
Felt Tashkent
Mag = 5.9(Qt)

26	Qt	eP	08	48	21

ONSET POOR

26	Qt	eP	10	51	11.6
		eS		56	16.9
27	Qt	eP	19	04	05.2
27	Qt	eP	19	53	40.2
		eS		57	33.7
27	Qt	eP	23	07	42.1
28	Qt	eP	11	52	16.0
28	Qt	eP	17	15	19.7
28	Qt	eP	17	32	30.9
28	Qt	eP	18	14	33.4
29	Qt	eP	01	59	31.1
29	Qt	eP	12	08	17.9
29	Qt	eP	23	14	42.6
30	Qt	eP	08	29	23.0
30	Qt	eP	10	23	03.5
		eS		24	21.4
30	Qt	eP	13	43	55.0
		eS		46	01.4
30	Qt	eP	20	01	16.8
30	Qt	eP	20	31	32.5

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

Provisional Readings at Seismological Stations fromist May to 8th May, 1966.

Additionab
April,1966.

24	Wr	eP	18	42	52.6
25	Wr	eP	07	33	44.8
25	Wr	eP	18	13	00.1
	Ml	eP			15.5
		iS		14	20.7
25	Wr	eP	23	24	41.1
	Ml			25	02.5
26	Wr	eP	10	50	42.3
27	Wr	iP	19	54	03.1d
	Lh	eP			33.0
		eS		59	08.5
28	Wr	iP	18	15	35.7c
29	Wr	eP	01	59	03.8
30	Wr	iP	10	21	55.4d
		iS		22	24.9
	Ml	eP			16.8
		eS		23	01.5
	Qt	eP			03.5
		eS		24	21.4

H = 10:21:19.0
36°.3N, 71°.3E
HINDUKUSH
Depth about 96 km.

30	Wr	eP	13	43	03.8
	Ml				16.7

Continuation:
May 1966.

1	Qt	eP	11	03	38.7
1	Qt	eP	12	17	26.7
1	Qt	eP	13	26	55.0
1	Qt	eP	16	41	53.1
1	Qt	eP	16	42	04.6
		eX			44.6
1	Qt	iP	18	40	52.8d
1	Qt	eP	22	26	48.1
2	Qt	eP	06	19	11.1
		e(S)		20	27.0
2	Qt	eP	10	05	28.6
		eS		16	05.9

Mu	Sec
MH - 2.5	20

△ = 87°.7
Mag=5.9(Qt)

May 1966.

2	Qt	iP	10	44	31.9d
2	Qt	eP	13	56	31.3
		eS	14	00	33.0

Mu	Sec
MH - 4.1	20

△ = 22°.8
Mag= 5.4(Qt)

2	Qt	eP	16	49	40.9c
2	Qt	eP	18	45	49.3
2	Qt	eP	20	45	30.3
2	Qt	eP	21	28	44.8
2	Qt	eP	22	14	37.8
2	Qt	eP	23	17	12.5
		eS		21	09.8

Mu	Sec
MH - 8.8	20

△ = 22°.3
Mag= 5.6(Qt)

2	Qt	eP	23	33	18.2
3	Qt	eP	03	04	19.8
3	Qt	eP	12	19	10.3
3	Qt	eP	18	54	53.5
3	Qt	eP	19	24	44.2
3	Qt	eP	19	57	09.8
		eS		58	22.6
3	Qt	eP	20	39	16.9
3	Qt	eP	22	06	20.7
3	Qt	eP	23	01	50.1
4	Qt	iP	03	18	24.7c
		eS		19	43.2
4	Qt	eP	06	44	14.7
		eS		53	01.9
4	Qt	eP	13	39	40.4
4	Qt	eP	17	14	02.7
4	Qt	eP	21	55	37.6
		eS	22	03	22.6
5	Qt	eP	06	28	39.6
5	Qt	eP	06	45	23.4
5	Qt	iP	06	51	03.7c

International Seismological Centre

May 1966

5	Qt	eP	11	20	06.3
5	Ch	P	14	27	15
		S		31	57
	Lh	P		29	17
		S		35	40
	Qt	iP		30	08.0c
		eS		37	16.6

	Mu	Sec
MH	17.3	20

△ 50°.2
FORMOSA REGION
Mag= 6.2(Qt)

5	Qt	eP	16	03	25.3
5	Qt	eP	20	48	29.0
6	Ch	P	00	08	47
		S		09	01
	Qt	iP		13	43.6
		eS		18	18.6
6	Qt	iP	02	46	29.5d
		eS		54	15.5

	Mu	Sec
PZ	0.04	1.0
MH	- 0.8	20

△ = 56°.3
Mag= 5.5(Qt)

May 1966

5	Qt	eP	11	20	06.3
5	Ch	P	14	27	15
6	Qt	eP	04	01	44.0
6	Qt	iP	07	10	46.2d
	Lh	P		29	17
		S		35	40
	Qt	iP		30	08.0c
		eS		37	16.6

	Mu	Sec
MH	17.3	20

△ 50°.2
FORMOSA REGION
Mag= 6.2(Qt)

5	Qt	eP	16	03	25.3
5	Qt	eP	20	48	29.0
6	Ch	P	00	08	47
		S		09	01
	Qt	iP		13	43.6
		eS		18	18.6
6	Qt	iP	02	46	29.5d
		eS		54	15.5

	Mu	Sec
PZ	0.04	1.0
MH	- 0.8	20

△ = 56°.3
Mag= 5.5(Qt)

May 1966

6	Qt	eP	16	18	55.8
		eS		27	48.8
6	Qt	eP	18	33	18.4
7	Qt	eP	09	16	58.2
7	Qt	eP	09	58	12.0
		eS	10	06	19.6
7	Qt	eP	10	21	29.9
7	Qt	eP	13	14	54.6
		eS		23	33.9
7	Qt	eP	18	29	41.4
		eS		30	46.9
7	Qt	eP	21	13	07.0
7	Qt	eP	22	14	58.2
8	Qt	eP	01	35	58.8
8	Qt	iP	15	29	44.1d
		iS		31	17.2

(Abdul Qadir Khan)
for Director,
Meteorological Service.

May 1966

6	Qt	eP	16	18	55.8
		eS		27	48.8
6	Qt	eP	18	33	18.4
7	Qt	eP	09	16	58.2
7	Qt	eP	09	58	12.0
		eS	10	06	19.6
7	Qt	eP	10	21	29.9
7	Qt	eP	13	14	54.6
		eS		23	33.9
7	Qt	eP	18	29	41.4
		eS		30	46.9
7	Qt	eP	21	13	07.0
7	Qt	eP	22	14	58.2
8	Qt	eP	01	35	58.8
8	Qt	iP	15	29	44.1d
		iS		31	17.2

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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 May to 15th May 1966.

Additional
May, 1966

1	Ch	eP	11	01	31.0
	Wr	eP		03	22.4
1	Wr	eP	16	41	58.9
	Ml	eP		42	05.3
	Lh	eP			08.0
1	Wr	eP	18	40	18.6
2	Wr	eP	10	05	10.9
2	Wr	eP	13	56	51.3
2	Ml	iP	16	49	21.1d
	Wr	eP			33.6
2	Wr	eP	23	17	34.0
	Ml	eP			53.0
3	Wr	eP	19	56	10.9
3	Wr	eP	22	05	12.8
4	Wr	eP	03	17	26.1
		eS			59.1
4	Wr	eP	21	55	55.7
6	Wr	eP	00	12	39.9
	Ml	eP			59.6
6	Wr	iP	02	46	20.0d
6	Wr	eP	04	00	29.5
6	Wr	eP	07	09	49.5
6	Wr	eP	16	17	40.5
7	Ml	eP	18	28	50.4
8	Ml	iP	15	28	54.5c

Continuation.

May, 1966

9	Qt	iP	00	49	41.2c
		e(S)		55	17.2
	Lh	P		50	29
9	Qt	eP	03	57	14.4

May 1966

9	Qt	eP	04	39	45.0
9	Qt	eP	06	15	13.9
9	Qt	eP	06	23	48.1
		eS		27	38.9
9	Qt	eP	07	26	44.1
		e(S)		28	04.4
9	Qt	eP	18	48	03.8
		eS		52	18.8
9	Qt	eP	21	25	05.9
		eS		34	46.8
10	Qt	eP	09	59	03.4
10	Qt	iP	10	19	00.7c
10	Qt	eP	20	14	26.2
10	Qt	iP	21	10	34.0
		e(S)		15	49.0
10	Ml	P	21	58	54.7
		S		59	46.5
	Qt	eP			36.8c
		eS	22	01	04.4
10	Qt	eP	23	56	53.9
11	Ml	P	01	54	58
		S		55	42
	Lh	P			12
		S		56	10.0
	Qt	eP		55	12.8c
		eS		56	12.6

	Mu	Sec
PZ	.08	0.6

Δ = 4°.9
H = 01:53:56
34.5N, 69.3E
Kabul, Afghanistan
Depth about 15 Km.
Mag = 5.1(Qt)

11	Lh	P	14 27 56
	Qt	iP	28 31.9c
		eS	37 30.9

	Mu	Sec
MH -	-36.0	20

Δ = 68°.7
Mag = 6.5(Qt)

May 1966

11	Qt	eP	15	12	48
			ONSET POOR		
11	Lh	P	21	49	54
	Qt	eP		50	30.8
		eS		59	30.2
			Mu		Sec
		MH -	9.5		20
		△ =	68°.7		
		Mag=	6.1(Qt)		
12	Qt	iP	05	39	57.6c
12	Qt	eP	07	57	20.4
		eS		58	23.4
12	Qt	iP	11	45	54.1
		eS		48	22.4
12	Qt	iP	14	27	42.4d
		eS		29	00.7
12	Qt	eP	20	37	53.0
13	Qt	eP	05	14	29.5
13	Qt	iP	14	10	18.0d
13	Qt	eP	14	30	24.8
13	Qt	iP	23	13	15.3c
		iS			48.6
	Ml	P			45
13	Qt	iP	23	54	52.2c
		iS		55	29.0
	Ml	P			18
		S		56	15
			Mu		Sec
		PZ	0.10		0.4
		△ =	3°.3		
		Mag=	5.3(Qt)		
14	Qt	eP	09	32	03.7
14	Qt	eP	16	03	22.9
14	Qt	eP	17	09	56.0d
		e(S)		18	18.9
14	Qt	iP	17	14	01.3d
14	Qt	eP	21	47	33.2c

May 1966

14	Qt	eP	23	03	04.1
15	Qt	eP	02	15	39.4
		eS		17	46.8
15	Qt	eP	07	32	13.7
		eS		33	31.5
15	Qt	eP	10	17	47.7
15	Ch	P	14	57	36
		S	15	06	56
	Lh	P	14	57	50
		S	15	07	06
	Qt	iP	14	58	17.6c
		eS	15	08	20.7
			Mu		Sec
		MH	19.2		20
		△ =	80°.6		
		Mag=	6.4(Qt)		
15	Lh	P	17	17	41
		S		18	44
	Qt	eP			01.1
		eS		19	21.1

(Abdul Qadir Khan)
for
Director,
Meteorological Service

International Seismological Centre

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

Provisional Readings at Seismological Stations from 16th May to 23rd May' 1966

Additional
May' 1966

9	Lh	eP	00	50	28.7
9	Wr	eP	03	56	55.3
9	Wr	eP	06	14	57.6
9	Wr	eP	06	23	59.8
9	Wr	eP	07	25	05.6
9	Wr	eP	18	46	33.4
	Ml	eP		47	11.8
9	Wr	eP	21	24	42.3
10	Lh	eP	21	09	50.0
		eS	22	00	20.7
11	Wr	iP	14	27	21.9c
	Kr	eP		28	56.7
11	Wr	eP	15	12	36.4
11	Wr	eP	21	49	21.4
12	Wr	eP	07	55	56.9
12	Wr	eP	11	44	18.9
	Ml	iP			42.5c
		iS		46	08.9
12	Wr	eP	14	26	13.5
13	Qt	iP	23	13	15.3c
		iS			48.6
	Kr	eP			51.0
	Lh	eP			52.5
		iS		14	47.5

	Mu	Sec
PZ	.01	0.6

△ = 2.8
H = 23 12 36.0
29 .4N , 69 .1E
Near Barkhan
(West Pakistan)
depth about 33 km.
Mag:- 4.2(Qt)

13	Wr	eP	23	54	27.5
	Kr	eP		55	54.8
15	Ml	iP	02	14	40.1d
15	Ml	eP	14	57	47.4
15	Ml	eP	17	17	22.9
		iS		18	09.9
	Lh	P		17	41.5
		S		18	44.5
	Qt	eP			01.1
		eS		19	21.1

	Mu	Sec
PZ	.01	0.5

△ = 7.0
H= 17 16 20
36°.0N , 71°.1E
Hindukush
depth about 287 km.
Mag:- 4.3(Qt)

Continuation
May' 1966

16	Qt	eP	00	09	11.2
16	Ch	P	02	54	54
		S	03	01	26
	Qt	eP	02	57	34.2c
		eS	03	06	28.0
16	Qt	eP	05	52	41.5
16	Qt	eP	13	09	54.5
16	Qt	eP	13	15	59.4
16	Qt	eP	17	37	01.1
16	Qt	eP	20	13	06.9
16	Qt	eP	23	29	06.8
17	Qt	iP	01	09	11.0c
17	Qt	eP	04	12	32.5
		eS		13	51.9
17	Qt	eP	04	41	39.7
17	Qt	eP	07	11	54.0
		eS		18	40.0

	Mu	Sec
MH	3.0	20

△ = 46°.6
Mag :- 5.6(Qt)

17	Qt	eP	11	52	16.6d
		eS		53	38.6
17	Qt	ePKP	17	17	56.5
		ePP		21	22.9
17	Qt	eP	19	15	15.3
17	Qt	eP	20	01	15.6
17	Qt	eP	20	46	03.8
		eS		47	45.3
17	Qt	eP	21	29	15.5
		eS		30	34.2

May' 1966

17	Qt	eP	22	49	32.3
		eS		50	34.7
18	Qt	eP	00	17	21.0d
18	Qt	eP	01	54	56.5
18	Qt	iP	07	34	42.7d
18	Qt	eP	07	51	12.6
18	Qt	eP	08	32	18.5
18	Qt	eP	13	02	32.6
18	Qt	eP	13	43	50.2
18	Qt	eP	17	35	03.2d
19	Qt	eP	06	01	44.0
		e(S)		04	10.9
19	Lh	P	07	18	41
		S		28	45
	Qt	iP		19	03.5d
		iS		29	27.0

	Mu	Sec
MH	15.2	20

Δ = 87°.7
Mag = 6.4(Qt)

19	Qt	eP	07	32	02.7
		eS		33	23.5
19	Qt	iP	12	53	14.3c
		iS		54	55.3
19	Qt	eP	14	26	02.1
20	Qt	iP	01	02	07.7c
		iS		03	23.9
20	Qt	iP	03	03	07.6d
20	Qt	iP	07	45	08.1d
		iS		46	12.0
20	Lh	P	09	25	40
		S		34	34
	Qt	iP		26	20.2c
		iS		35	50.0

	Mu	Sec
MH	3.5	20

Δ = 74°.2
Mag = 5.9(Qt)

20	Qt	iP	18	11	32.6c
		eS		18	54.0
20	Qt	eP	18	22	46.0
20	Qt	eP	18	35	03.2
		eS		36	21.7
20	Qt	eP	20	11	47.0
		eS		15	53.7

May' 1966

21	Qt	eP	10	28	40.5
21	Qt	eP	15	00	56.9
21	Qt	eP	16	35	49.0
21	Qt	iP	17	53	14.1c
21	Qt	eP	18	51	50.0d
21	Qt	eP	19	18	07.9
21	Qt	iP	21	24	27.8c
		eS		25	30.5
22	Qt	eP	03	05	15.6
22	Qt	eP	03	38	21.0
22	Qt	eP	16	53	23.0
22	Qt	eP	22	34	03.5
23	Qt	eP	00	15	50.2
23	Qt	iP	07	12	42.7c
		iS		13	52.8
23	Qt	eP	07	54	00.3
23	Qt	eP	08	50	05.0
		eS		58	29.0

	Mu	Sec
MH	2.4	20

Δ = 62°.6
Mag= 5.7(Qt)

23	Qt	eP	12	10	35.6
23	Qt	iP	14	34	08.5
		eS		43	44.0

	Mu	sec
MH	1.0	20

Δ = 75°.4
Mag= 5.6(Qt)

23	Qt	eP	16	39	29.3
23	Qt	eP	18	19	33.1d
23	Qt	eP	18	22	22.7
23	Qt	eP	19	24	21.0
		eS		25	45.0
23	Qt	eP	20	56	06.7

International Seismological Centre

(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

International Seismological Centre

No.SS-9(2)/63/ Quetta, the 2nd June, 1966

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

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

Provisional Readings at Seismological Stations from 24th May to 31st May 1966

Additional
May 1966

16	Wr	eP	02	57	00.0
16	Wr	eP	03	15	03.0
16	Wr	eP	17	37	41.1
17	Wr	eP	01	08	12.7
17	Wr	eP	04	11	10.7
17	Wr	eP	07	12	12.5
17	Ml	iP	11	51	39.2d
		iS		52	28.8
17	Wr	eP	21	27	50.0
17	Ml	eP	22	49	12.5
		iS		50	01.6
18	Wr	eP	01	55	15.5
18	Wr	eP	08	31	01.0
18	Wr	eP	13	01	51.5
18	Wr	eP	17	34	24.0
19	Wr	eP	06	00	10.2
	Ml	eP			47.0
	Kr	eP		02	45.7
19	Wr	eP	07	18	10.6
19	Ml	eP	12	52	18.5
		iS		53	12.0
20	Ml	eP	01	01	33.2
		iS		02	20.8
20	Wr	eP	03	02	10.7
20	Kr	eP	07	44	52.3
20	Wr	eP	09	25	30.4
20	Wr	eP	18	10	39.6
20	Wr	eP	19	36	43.2
20	Wr	eP	20	10	24.4
21	Wr	eP	21	23	13.7
22	Wr	eP	22	35	39.9
23	Ml	iP	07	12	11.0d
		iS			56.3

Continuation.
May,1966

24	Qt	iP	04	36	06.4d
		iS			42.7
	Ml	P			52

May 1966

24	Qt	eP	09	45	41.6
24	Qt	eP	11	16	39.0
24	Qt	eP	17	50	34.5
25	Qt	eP	02	35	39.8d
25	Qt	eP	07	27	01.7
		eS		28	27.8
25	Lh	P	08	39	43
		S		48	22
	Qt	iP		40	16.4c
		iS		49	28.0
25	Qt	iP	13	39	36.4d
25	Lh	P	13	40	12
	Qt	iP			34.4d
		e(S)		50	15.8
25	Qt	eP	17	44	18.7
25	Qt	iP	18	20	47.4c
		iS		22	07.5
25	Qt	eP	20	45	55.3
		e(S)		46	26.9
	Lh	P			38
		S		47	28
25	Qt	eP	22	59	32.9
25	Qt	eP	23	59	30.6
26	Qt	eP	00	58	49.4
26	Qt	eP	04	39	56.6
26	Qt	eP	12	44	26.6
26	Qt	eP	17	33	22.5
26	Qt	eP	18	48	36.5
26	Qt	eP	18	51	52.3
26	Qt	eP	21	01	34.4c
26	Qt	eP	21	25	14.7
26	Qt	eP	22	23	08.3
26	Qt	eP	23	08	28.1
27	Qt	eP	01	51	30.0
27	Qt	iP	10	19	46.8d
27	Qt	eP	14	40	36.0
27		e(S)		48	19.0
27	Qt	eP	17	20	25.8

May 1966

27	Kr	iP	22	14	39
		iS		15	01
	Qt	iP			43.9c
		iS		16	47.9
	Lh	P			22
		S		18	12
	Ml	P		16	36
		S		18	21

	Mu	Sec
PZ	.05	0.7

△=5°.6
H = 22:14:21.0
24.6N,68.5E
WEST PAKISTAN
Depth about 33 Km.
Mag= 4.9(Qt)

28	Lh	P	00	11	54
		S		18	16
	Qt	eP		12	45.1c
		eS		19	50.9

	Mu	Sec
MH : 6.9		20

△ =50°.0
Mag= 6.0(Qt)

28	Qt	eP	01	32	31.9
		S		33	52.0
	Ml	P			10
		S		34	02
28	Qt	eP	02	34	42.9
28	Qt	eP	03	41	47
		ONSET POOR			
		e(S)		45	43.7
28	Qt	iP	06	02	25.2d
28	Qt	eP	11	37	20+
		eS		38	37.0
28	Qt	eP	15	20	14.1
		eS		21	33.6
28	Qt	eP	15	29	41
		ONSET POOR			

May 1966

28	Qt	eP	19	57	30.4d
28	Qt	eP	22	02	24.0
28	Qt	iP	22	36	29.5
29	Qt	eP	03	03	27.2
		e(S)		04	36.5
29	Qt	eP	10	39	29.7
29	Qt	eP	12	15	45.7
		eS		16	51.4
29	Qt	eP	14	02	26.4
29	Qt	eP	18	57	14.8

May 1966

30	Qt	eP	01	14	46.5
30	Wr	(P)	12	52	06
	Qt	eP		53	28.1
		eS		54	46.2
30	Qt	eP	14	47	55.6
		eS		49	16.5
30	Wr	P	15	42	39
	Qt	eP		43	56.5
		eS		44	56.0

May 1966

30	Qt	eP	18	18	40.9
		eS		19	58.9
30	Wr	P	23	33	44
	Qt	iP		34	19.8c
		iS		35	01.8
31	Qt	eP	07	55	28.5
31	Qt	eP	13	37	27.7

International Seismological Centre

(Abdul Qadir Khan)
for
Director,
Meteorological Department.

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____ June, 1966.

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

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

Provisional Readings at Seismological Stations from 1st June 1966 to 8th June 1966.

Additional
May, 1966

16	Lh	eP	02	57	00.0
17	Lh	eP	07	12	41.0
20	Lh	eP	18	10	43.3
23	Lh	eP	14	33	34.6
23	Lh	eP	18	19	43.0d
24	Wr	eP	04	35	51.4
25	Wr	eP	08	39	32.3
25	Wr	eP	13	39	06.3
25	Ml	eP	18	20	07.6
		eS			53.3
25	Wr	eP	20	45	52.7
	Ml	eP		46	44.5
26	Wr	eP	17	32	55.0
26	Wr	eP	23	07	23.6
28	Wr	iP	11	35	42.2d
	Ml	iP		36	38.0d
		iS		37	20.5
	Qt	eP			20
			Onset poor		
		eS		38	37.0

H = 11:35:42.5
36.0N, 71.3E
HINDUKUSH
Depth about 230 km.

28	Wr	eP	15	19	04.7
29	Ml	iP	12	15	09.3
		iS			44.3
30	Wr	eP	14	46	22.5
30	Wr	eP	18	17	05.0
30	Ml	eP	23	34	45.4

Continuation:
June, 1966.

1	Qt	eP	02	45	55.3
1	Qt	iP	09	24	08.2d
		eS		25	29.2
1	Qt	ePKP	12	06	33.9d
1	Qt	eP	23	12	10.5
2	Lh	P	03	39	13
	Qt	iP			48.5d
		eS		49	46.0

	Mu	Sec
MH	2.5	20

$\Delta = 79^{\circ}.5$
Mag= 5.9(Qt)

June, 1966

2	Qt	eP	07	18	05.0
2	Qt	eP	08	01	08.2
2	Qt	eP	08	18	48.0
2	Qt	eP	08	35	29.9
2	Qt	eP	10	34	56.9d
		e(S)		36	07.5
2	Qt	eP	12	17	45.2
2	Qt	eP	15	59	34.9
2	Qt	eP	17	46	33.7
2	Qt	eP	19	57	42.8
3	Qt	iP	01	59	37.9d
		iS	02	01	57.6
3	Qt	eP	18	48	55.8
4	Lh	P	05	13	19
		S		14	20
	Qt	iP		13	35.0d
		iS		14	53.0
	Kr	eP			37.0
		eS		16	44.0

H = 05:11:53.0
36.3N, 70.8E
HINDUKUSH
Depth about 287 km.

4	Qt	eP	06	24	17.0
		eS		30	09.8
4	Qt	eP	13	02	24.9
4	Qt	eP	14	39	59.6
4	Qt	eP	14	42	53.1
4	Qt	eP	15	04	51.5
		eS		06	25.5
4	Qt	eP	16	07	46.6
		eX		08	33.5
4	Qt	eP	18	26	19.4
4	Qt	iP	21	14	30.4c
4	Wr	P	23	57	47
	Lh	P		58	26
		S	00	06	36
	Qt	iP	23	59	03.8c
		iS	00	07	48.0
		eP' P'		27	38.5

	Mu	Sec
MH	10.8	20

$\Delta = 66^{\circ}.0$
Mag = 6.1(Qt)

5	Qt	eP	04	58	42.1

June,1966

5	Qt	eP	08	34	36.9
		e(S)		39	09.6
5	Qt	eP	11	31	35.2c
5	Qt	eP	21	33	03.9c
		eS		34	32.6
6	Wr	P	04	39	41
	Qt	eP		41	41.4d
6	Lh	P	07	47	37
		S		48	34
	Qt	iP		47	57.7d
	Kr	iP		49	00
		iS		50	55
	Ch	P		51	04
		S		54	26

H = 07:46:25
35.3N, 71.1E
HINDUKUSH
Felt Widely in northern parts of West Pakkstan.
Depth about 220 Km.
Mag = $6\frac{1}{2}$ - $6\frac{3}{4}$ (Qt)

6	Qt	eP	17	06	28.9
		eS		07	49.7
6	Wr	P	20	56	05
	Lh	P			23
		S	21	03	54
	Qt	iP	20	57	07.6c
		eS	21	05	16.9
6	Qt	eP	22	24	28.5d
6	Qt	eP	23	17	26.6
6	Qt	eP	23	26	29.1

June,1966

7	Wr	P	01	18	39
	Qt	eP		19	15.0
		e(S)		22	31.0
	Lh	P		19	27
7	Qt	eP	05	52	11.9
		eS		54	43.6
7	Wr	P	11	52	08
	Qt	iP		53	39.8d
		eX		58	53.0
		eS	12	00	45.2
7	Wr	P	14	09	37
	Lh	P		10	01
		S		18	30
	Kr	eP		10	41
	Qt	iP			41.3d
		eS		19	47.6

	Mu	Sec
PZ	0.14	0.9

Δ = 69°.9
Mag= 6.1 (Qt)

7	Qt	eP	15	34	10.2
7	Qt	eP	22	28	00.6
7	Wr	P	23	47	57
	Qt	eP		49	45.1
		e(S)		51	57.5
8	Qt	eP	07	27	01.2
8	Qt	eP	10	54	46.7
8	Qt	eP	15	19	32.7
8	Qt	eP	17	55	40.7
8	Qt	iP	20	07	58.7c
		ePP		10	44.3
		eS		17	37.4

	Mu	Sec
MH =	2.4	20

Δ 75°.7
Mag = 5.8(Qt)

8	Qt	eP	21	02	52.4
8	Qt	eP	21	34	22.6
8	Qt	eP	22	11	12.8

(ABDUL QADIR KHAN)
for
Director,
Meteorological Department.

International Seismological Centre

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P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____ June, 1966.

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

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

Provisional Readings at Seismological Stations from 9th June to 15th June, 1966.

Additional
June, 1966.

4	Ml	iP	05	13	00.0c
4	Lh	eP	18	26	29.0
4	Ml	eP	23	58	23.1
5	Ml	eP	21	32	14.6
6	Ml	eP	07	47	19.6c
6	Ml	eP	17	05	49.4
7	Ml	eP	01	19	26.5

Continuation.
June, 1966

9	Qt	iP	00	18	52.8d
		eS		24	10.8

	Mu	Sec
PZ	.04	1.0
MH	3.7	20

△ = 33°.5
Mag= 5.4(Qt)

9	Qt	iP	11	31	46.6c
9	Qt	eP	13	18	14.9c
9	Qt	iP	15	49	47.6d
		iS		58	13.0
9	Qt	iP	22	26	55.6c
		e(S)		37	01.0
9	Qt	eP	22	27	45.5
		e(S)		30	03.0
9	Qt	iP	22	40	14.2d
10	Qt	iP	04	37	05.2c
		e(S)		40	16.7
10	Qt	eP	07	10	56.0
10	Qt	iP	07	29	42.2
		eS		31	11.7
10	Qt	eP	07	46	05.2
		eS		47	22.6
10	Qt	eP	08	33	03.8
		eX		36	08.7
10	Qt	eP	12	27	47.9
10	Qt	eP	14	24	47.1
10	Qt	iP	18	40	55.7c
		eS		42	16.7
10	Qt	eP	19	01	41.4
		eS		02	53.7

Additional
June, 1966

7	Ch	eP	14	08	07.0
	Ml	eP		10	00.0
7	Ml	iP	23	48	20.1c
		iS		49	29.2

June, 1966

10	Qt	eP	19	17	10.6
10	Qt	eP	19	23	01.3c
10	Qt	eP	22	47	52.8c
11	Qt	iP	03	09	42.8
		eS		16	37.3

	Mu	Sec
PZ	.04	1.0
MH	2.9	20

△ = 47°.9
Mag = 5.5(Qt)

11	Qt	eP	04	01	20.0
11	Qt	iP	06	10	29.6c
		eS		11	47.9
11	Qt	eP	10	29	11.0
11	Qt	iP	10	57	35.3c
11	Qt	eP	11	32	01.2
		eX		34	25.6
11	Qt	eP	15	21	59.3
		eS		23	21.0
11	Qt	eP	18	25	48.5
11	Qt	iP	22	31	18.0
		iS		32	35.2
12	Qt	eP	07	31	49.4
12	Qt	eP	20	47	19.5
12	Qt	eP	21	28	40.9
13	Qt	eP	01	06	29.3
		eS		08	30.6
13	Qt	eP	04	01	27.6

13	Qt	eP	05	46	47.1
13	Qt	eP	07	23	20.2
13	Qt	eP	07	51	56.2
13	Qt	eP	11	29	22.8c
		iS		30	53.5
13	Qt	eP	13	28	51.0
13	Lh	P	18	21	49
		S		32	05
	Qt	eP		22	16.5c
		iS		32	39.2

	Mu	Sec
MH	3.8	20

Δ = 84°.4
Mag= 6.1(Qt)

14	Qt	eP	02	50	44.8
		eS		54	45.4
14	Qt	iP	10	55	10.5
		eS		56	21.0
14	Qt	eP	15	46	18.0
14	Qt	iP	16	49	32.5c
		ePP		51	35.4
		eS		57	27.9
14	Qt	iP	21	13	21.2d
		e(S)		21	12.5

June, 1966

15	Ch	P	01	11	31
		S		21	05
	Lh	P		12	54
		SKS		23	24
	Qt	eP		13	22.7d
		ePP		17	31.0

Mag = $6\frac{3}{4}$–7 (Qt)

15	Qt	eP	12	54	18.9
15	Qt	eP	16	50	02.5
15	Qt	eP	21	36	48.0
		e(S)		37	57.5

International Seismological Centre

(ABDUL QADIR KHAN)
for
Director,
Meteorological Services.

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta,the_____June,1966.

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

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

Provisional Readings at Seismological Stations from 16th June to 23rd June,1966.

Additional
June,1966.

9	Wr	eP	00	18	09.8	
	Ml	iP			32.2d	
		iS		23	36.7	
9	Wr	eP	11	31	13.5	
9	Wr	iP	15	49	11.0	
9	Wr	iP	22	26	23.2c	
10	Ml	eP	07	28	55.7	
		iS		29	43.8	
	Wr	iP			17.6d	
	Qt	eP			42.2	
		eS		31	11.7	

H = 07:27:50
29°.8N, 76°.0E
KASHMIR
Depth about 287km

10	Wr	iP	08	33	02.5d	
10	Wr	eP	18	39	53.4	
	Ml	eP		40	17.7	
	Qt	iP			55.7c	
		eS		42	16.7	

H = 18:38:32
39°.6N, 70°.2E
Tadzhik.S.S.R.
Depth about 33 Km.

10	Wr	eP	19	01	06.2	
10	Ml	iP	22	46	59.6d	
	Lh	eP		47	02.2	
	Wr	iP			03.5c	
11	Wr	iP	03	09	09.8c	
		iS				
11	Wr	iP	06	09	18.8c	
		iS			41.8	
	Ml	iP			36.4c	
		iS		10	10.7	
	Lh	eP		09	58.0	
		iS		10	46.0	
	Qt	iP			29.6c	
		eS		11	47.9	
	Kr	eP			31.1	

H= 06:08:51
35°.4N, 71°.9E
HINDUKUSH
Depth about 160 km.

11	Wr	iP	10	29	27.3c	

June,1966

11	Wr	iP	22	30	21.2d	
		iS			53.7	
	Ml	iP			43.9	
		iS		31	33.6	
	Lh	eP			03.0	
		eS		32	06.0	
	Qt	eP		31	18.0	
		iS		32	35.2	

H-= 22:29:39
36°.1N, 70°.3E
Hindukush
Depth about 223 Km.

13	Wr	iP	11	27	43.7c	
	Ml	iP		28	33.5c	
		iS		29	25.2	
13	Wr	eP	18	21	26.9	
14	Wr	eP	02	51	02.3	
14	Wr	eP	10	54	15.3	
14	Wr	iP	16	49	21.3c	
14	Wr	iP	21	12	48.6c	
15	Ml	eP	01	13	02.0	
	Wr	eP			07.3	

Continuation
June,1966

16	Qt	eP	17	04	35.4	
		eX	17	05	41.0	
16	Qt	eP	17	14	56.7	
16	Qt	eP	22	39	41.0	
16	Qt	eP	22	51	56.0	
17	Qt	eP	00	03	19.5	
		eS		04	44.6	
17	Qt	eP	00	12	51.0	
17	Qt	eP	08	58	37.6c	
17	Qt	iP	11	47	42.2c	
		iS		48	59.8	
17	Qt	eP	12	57	01.7	
17	Qt	eP	15	18	52.5	
17	Qt	eP	18	40	17.3d	
		eX		41	54.5	
17	Qt	eP	23	01	08.5c	
18	Qt	eP	00	41	59.4	
18	Qt	eP	03	56	34.6	
18	Qt	eP	05	32	15.5	

18	Qt	eP	19	27	34.8c
		eS		37	33.8

Mu Sec

MH : 1.1 20
△ = 79°.8
Mag= 5.6(Qt).

19	Qt	eP	00	54	06.2
19	Qt	eP	08	05	06.5
19	Qt	eP	16	00	21.2
			ONSET POOR		
19	Qt	eP	18	02	11.2c
19	Qt	eP	19	21	33.6d
19	Qt	iP	19	40	56.6c
19	Qt	eP	22	55	53.1d
20	Qt	eP	01	36	24.3
20	Qt	eP	04	16	38.1
20	Qt	iP	04	41	34.6d
20	Qt	eP	09	58	13.1
20	Qt	eP	12	18	58.6
		iS		20	44.8
20	Lh	P	13	44	00
		S			43
	Qt	eP		45	05.5
		eS		46	43.4
20	Qt	eP	15	34	30.6
20	Qt	eP	16	29	19.2
20	Qt	eP	20	16	37.5
21	Qt	eP	01	01	43.5
		iS		07	54.6
21	Qt	eP	04	00	58.9c
21	Qt	iP	13	17	44.5d
21	Qt	eP	13	45	07.1c
21	Qt	iP	15	57	45.2c
21	Qt	eP	18	30	48.2
21	Lh	P	19	48	10
		S		49	11
	Qt	iP		48	27.7c
		iS		49	45.5
21	Qt	eP	23	02	21.2
21	Qt	iP	23	17	26.1c

22	Qt	eP	07	30	05.5
		eX			42.8
22	Qt	eP	07	33	24.6
22	Qt	eP	09	45	54.6d
		eS		46	53.8
22	Qt	eP	11	51	21.6
22	Qt	eP	15	54	51.4
22	Qt	iP	19	26	08.2d
22	Lh	P	20	38	32
		S		46	11
	Qt	iP		39	04.7
		iX		40	48.8
		iS		47	08.7
22	Qt	eP	21	40	07.4
23	Qt	iP	05	11	14.3d
		eS		18	57.5
23	Qt	eP	05	15	41.7
23	Qt	eP	07	05	21.7
		eS		06	33.1
23	Qt	eP	09	03	43.5
23	Qt	iP	09	47	24.2d
23	Qt	eP	17	43	47.7d
		eS		45	07.4
23	Qt	iP	22	02	00.6c

(Abdul Qadir Khan)
for
Director,
Meteorological Service.

International Seismological Centre

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the_____July' 1966

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

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

Provisional Readings at Seismological Stations from 24th to 30th June, 1966

Additional
June, 1966

16	Wr	iP	22	40	09.5d
17	Wr	eP	00	02	50.2
17	Wr	iP	11	46	42.9d
		iS		47	13.4
	Ml	iP			05.1c
		iS			50.8
	Qt	iP			42.2c
		iS		48	59.8

H = 11 46 03.0
36°.3N , 70°.4E
Hindukush
Depth about 160 km.

19	Wr	eP	08	40	01.9
19	Wr	eP	19	40	25.6
	Ml	eP			25.8
	Lh	eP			30.5
20	Wr	iP	12	17	29.2c
	Ml	iP			56.1c
20	Ml	eP	13	44	15.3
	Wr	iP			22.3
21	Wr	iP	04	00	09.4
21	Ml	iP	19	47	49.7c
		iS		48	38.2
21	Wr	eP	23	16	35.4
22	Ml	eP	09	44	55.7
		iS		45	44.5
22	Ml	eP	20	38	41.6
		iS		46	27.3
23	Ml	eP	17	43	03.7
		iS			45.5

Continuation
June, 1966

24	Qt	iP	07	07	04.6c
		iS		08	25.6
24	Qt	eP	07	31	21
			On set poor		
		eS		33	42.3
24	Qt	ip	08	36	31.8c
24	Qt	eP	15	30	37.1
		eS		31	46.9

June' 1966

24	Qt	eP	17	12	30.3
24	Qt	eP	17	27	25.3
24	Qt	eP	22	41	44.2
25	Qt	eP	00	57	49.5
		eS		59	06.7
25	Qt	iP	01	56	39.3c
25	Qt	eP	11	56	02.5
25	Qt	iP	12	08	10.2d
		iS		10	28.7
25	Qt	eP	13	27	21.2
25	Qt	iP	17	43	44.4c
25	Qt	eP	17	47	03.3
25	Qt	eP	18	51	11.3
25	Qt	eP	21	43	45.4
26	Qt	iP	04	03	02.2d
26	Qt	eP	04	26	21.2
26	Qt	eP	11	02	12.5
26	Qt	eP	17	55	02.2
26	Qt	eP	22	45	44.2
		eS		47	03.2
26	Qt	eP	23	37	19.4
27	Qt	eP	04	15	32.5
		eS		16	50.0
27	Qt	eP	04	23	07.7
27	Qt	eP	08	57	42.3
		eS		59	26.3
27	Qt	eP	09	03	25.7
		e(S)		05	20.2
27	Lh	P	10	42	35
		S		44	18
	Ml	P		42	51
	Wr	P		43	19
	Qt	iP			56.6c
		iS		46	00.1

H = 10 41 13
30°.2N , 81°.0E
Tibet-Nepal-India border
(Fore shock of 27th
H= 10 59 30)
Depth about 100 km.
Mag :- $5\frac{3}{4}$ (Qt)

June' 1966

27	Lh	P	11	00	45
	Ml	P		01	04
	Qt	eP		02	07.7
		eS		04	21.5
		H = 10 59 30			
		29°.9N , 80°.2E			
		Tibet-Nepal-India border.			
		Depth about 100 km.			
		Mag:- 6½ (Qt)			
27	Lh	P	13	57	20
		S		58	25
	Ml	P		57	38
		S		58	54
	Wr	P		58	03
	Qt	eP			39.4d
		eS	14	00	51.6
		H = 13 55 49.2			
		29°.0N, 80°.9E			
		Nepal			
		Depth about 33 km.			
27	Qt	eP	19	33	33.3
		e(S)		35	37.9
27	Qt	iP	22	05	53.9c
27	Qt	eP	22	37	28.5
27	Qt	eP	22	54	18.1
28	Qt	eP	13	26	09.8
		eS		28	07.2
28	Qt	eP	15	46	31.4c
		eS		48	38.4
28	Qt	eP	16	56	45.8d
28	Qt	eP	22	42	30.0
28	Qt	eP	23	03	16.6
		eX		05	29
29	Qt	eP	00	45	04.0
		e(S)		47	13.4
29	Qt	eP	09	03	15.8
29	Qt	eP	21	13	56.0
		eS		16	06.2
29	Qt	eP	22	04	29.2
		eX		05	25.8
29	Qt	iP	23	00	11.5d

June' 1966

30	Ml	P	08	45	23
		S			43
	Qt	eP		46	20.2
		eS		47	22.7
30	Qt	eP	09	08	20.4d
		eS		15	11.0
30	Qt	iP	12	37	38.8c
		eS		45	52.4
			Mu		Sec
		Mh	2.3		20
		△ = 60°.8			
		Mag:- 5.7(Qt)			
30	Qt	iP	15	54	10.7
		eS	16	01	06.2
30	Qt	eP	17	19	13.6
30	Qt	eP	22	33	26.2
		eS		34	34.9

International Seismological Centre

(Abdul Qadir Khan)
for DIRECTOR
Meteorological Service.

International Seismological Centre

LIST OF SEISMOLOGICAL OBSERVATORIES IN PAKISTAN

Station	Abreviation	Latitude	Longitude	Altitude meters	Ground
Quetta	Qt	30° 11'N	66° 57'E	1721	Gretaceous Limestone
Lahore	Lh	31° 33'N	74° 20'E	210	Alluvium
Warsak	Wr	34° 09'N	71° 25'E	343	River Terrace
Chittagong	Ch	22° 21'N	91° 49'E	35	Alluvium
Mangla (New Mirpur)	Ml	33° 09'N	73 °45'E	436	Balagala fan Gravels.
Karachi *	Kr	24 °50'N	67 °02'E	30	Alluvium

* This observatory has recently been shifted to a new site about 15 miles away. New coordinates will be supplied later.

LIST OF SEISMOLOGICAL OBSERVATORIES IN PAKISTAN

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta,the _____July 1966

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

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

Provisional Readings at Seismological Stations from 1st July to 8th July 1966.

Additional
June,1966.

24	Wr	iP	07	06	02.2d
		iS			34.7
	Ml	eP			22.2
		iS		07	06.2
	Qt	iP			04.6c
		iS		08	25.6

H-07:05:21
36°.5N, 70°.9E
HINDUKUSH
Depth about 160 Km.

24	Wr	iP	15	29	50.2d
24	Ml	eP	22	42	00.5
25	Wr	iP	00	56	46.3c
		iS		57	15.4
25	Wr	eP	01	56	05.9
25	Wr	eP	12	07	25.7
	Ml	eP		08	17.5
26	Ml	iP	22	45	04.5d
		iS			50.0
27	Wr	iP	04	14	20.5d
28	Wr	eP	13	27	05.0
28	Ml	eP	15	45	23.9
		eS		46	39.4
28	Ml	eP	23	02	09.4
	Wr	eP			33.4
29	Ml	eP	00	43	55.8
	Wr	iP		44	22.6d
29	Wr	eP	09	03	17.8
29	Wr	eP	21	14	53.6
29	Wr	eP	22	03	47.1
29	Wr	iP	22	59	39.1c
30	Lh	eP	08	45	10.2
		iS			20.0
	Ml	iP			23.0c
		iS			43.0
	Wr	eP			43.1
	Qt	eP		46	20.2
		eS		47	22.7

H = 08:44:56
31°.6N, 73°.4E
Central West Pakistan
About 60 miles west of Lahore
Depth about 33 km.

30	Wr	iP	09	07	41.9d

June,1966

30	Wr	iP	12	37	16.5c
30	Wr	iP	15	53	39.0d

Continuation
July 1966

1	Wr	P	05	58	45
	Qt	iP	-	59	17.2c
		iS	06	06	27.1

	Mu	Sec
MH	16.5	20.

△ = 48°.9
Mag = 6.1(Qt)

1	Qt	eP	10	32	47.5
1	Qt	eP	17	30	30.6d
1	Qt	iP	18	17	27.9
		eS		18	46.6
1	Qt	eP	19	17	11.1c
1	Qt	eP	19	38	17.4
2	Qt	iP	10	59	07.5d
2	Qt	eP	11	29	50.3
2	Qt	eP	22	38	30.0
2	Qt	iP	22	58	26.1d
3	Qt	iP	04	07	38.9d
3	Qt	eP	04	28	29.7
3	Lh	P	12	48	28
		S		49	28
3	Qt	eP	13	18	50.5
4	Qt	iP	03	07	32.7c
4	Qt	eP	03	26	43.5
4	Qt	eP	08	47	34.3
		eS		48	57.5
4	Qt	iP	12	27	00.2
		eS		36	34.3
	Wr	P		27	05
4	Qt	eP	10	54	59.9
4	Qt	iP	15	09	04.7c
		eS		10	23.4
4	Qt	eP	15	48	28.4
4	Qh	P	18	45	15
		S		54	50
	Qt	eP		45	44.0
		eS		55	44.4

	Mu	Sec
PZ	0.1	1.0

△ = 80°.0
Mag= 5.8(Qt)

July'1966

4	Qt	eP	21	14	09.4
4	Qt	eP	22	26	20.8
5	Qt	eP	02	33	45.6
		eS		43	52.4
			Mu		Sec
		MH	10.8		20
		△ : 81°.3			
		Mag:- 6.4(Qt)			
5	Qt	eP	05	20	38.5
5	Qt	eP	09	36	16.3
5	Qt	eP	10	06	18.7
		eX		10	33.6
5	Qt	eP	19	24	43.5
		eS		27	31.7
5	Qt	eP	20	01	08.0
5	Qt	eP	20	42	26.6c
		e(S)		45	21.7
5	Qt	eP	21	33	18.1
		eX			33.2
6	Qt	eP	03	35	49.3
6	Qt	eP	11	59	41.4
		eS	12	01	28.7
6	Qt	eP	14	03	33.7
		eS		07	09.0
6	Qt	eP	17	01	10.0
6	Qt	eP	19	43	35.0
6	Qt	eP	20	31	04.5
7	Qt	iP	09	58	00.2d
7	Qt	iP	10	44	05.2

July'1966

7	Qt	eP	12	05	18.8
		eS		07	39.1
7	Qt	eP	17	28	03.3d
7	Qt	eP	19	02	18.9c
		eS		03	40.7
7	Qt	eP	20	25	24.9c
7	Qt	eP	23	41	03.3d
8	Qt	iP	01	49	02.3d
8	Qt	iP	03	46	48.1c
8	Qt	iP	03	53	46.6d
		iS		55	47.6
			Mu		sec
		PZ	0.02		0.7
		△ : 10°.8			
		Mag:- 5.3(Qt)			
8	Qt	eP	07	25	28.9
8	Qt	eP	07	37	02.3
		eS			35.8
8	Qt	eP	09	37	33.6
		iS		38	50.7

(Abdul Qadir Khan)
for
DIRECTOR
Meteorological Service.

International Seismological Centre

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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 _____ July 1966.

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

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

Provisional Readings at Seismological Stations from 9th July to 15th July 1966.

Additional

July, 1966

1	Lh	eP	05	58	27.0c
1	Wr	eP	18	16	37.6
2	Lh	eP	22	57	47.0
	Wr	iP		58	15.0d
3	Wr	iP	12	47	50.6c
		iS		48	22.1
	Lh	P			28.0
		S		49	28.0
	Qt	eP		48	49.2
		eS		50	08.5

	Mu	Sec
PZ	0.1	0.8

△ = 6.8
H = 12 47 09
36°.1N, 71°.1E
Hindukush
Depth about 223 Km.
Mag: 5.0 (Qt)

4	Wr	eP	03	06	59.7
4	Wr	eP	08	46	30.6
4	Wr	iP	18	45	11.5d
5	Wr	iP	05	20	42.5d
5	Wr	eP	20	41	16.5
6	Wr	eP	11	58	41.6
	Lh	eP		59	20.3
6	Wr	iP	14	02	25.0c
6	Wr	eP	19	43	23.5
6	Lh	eP	20	30	14.7
	Wr	eP			21.1
7	Wr	eP	12	04	06.7
7	Wr	iP	19	01	06.1d
		iS			49.1
8	Wr	eP	01	48	50.3
8	Wr	eP	03	54	52.8
8	Wr	iP	09	36	38.4c
		iS		37	11.9

Continuation
July 1966.

9	Qt	eP	06	24	35.8
9	Qt	eP	07	03	34.7
9	Qt	eP	17	03	58.6
		e(S)		05	40.2

July 1966

9	Qt	eP	19	28	54.9d
10	Qt	eP	01	39	15.9
		eS		40	28.7
10	Qt	eP	10	19	36.2
10	Qt	eP	13	42	46.9
10	Ch	P	16	18	57
		S		23	58
	Lh	P		20	58
		S		27	40
	Qt	iP		21	48.3c
		eS		29	10.0

	Mu	Sec
MH	10.0	20

△ = 52°.4
Mag = 6.2(Qt)

10	Qt	eP	16	38	25.7
10	Qt	eP	18	06	55.7c
10	Qt	eP	19	07	14.3d
10	Lh	P	22	12	36
	Qt	iP		13	26.9c
11	Qt	eP	03	00	22
			ONSET POOR		
		eX		02	08.2
11	Qt	eP	23	04	54.8
		eS		12	09.0
12	Qt	eP	00	09	09.5
12	Qt	eP	03	03	37.9c
12	Qt	eP	08	20	56.0
12	Qt	iP	10	08	17.8c
12	Wr	P	14	05	12
	Lh	P		-	50
		S		06	52
	Qt	iP			15.3c
		eS		07	39.8

	Mu	Sec
PZ	.02	0.6

△ = 7°.5
H = 14:04:28,
36.5N, 71.5E
HINDUKUSH,
Depth about 220 Km.
Mag = 4.4 (Qt)

July 1966

12	Qt	iP	18	58	53.6c
		iS	19	03	32.3

M_u Sec

MH 3.0 20

$\Delta = 27^{0}.8$

	Wr	P	18	59	00
	Lh	P			30
		S	19	04	36

Mag = 5.4(Qt)

12	Qt	eP	20	11	34.2
		e(S)		12	47.8
12	Qt	eP	21	58	57.2
13	Qt	eP	07	04	47.5
13	Qt	eP	08	40	16
			ONSET POOR		
13	Qt	eP	11	47	05.2c
13	Qt	eP	14	10	20.6d
		eX			28.2
13	Qt	eP	14	50	28.9
		eS		58	39.2
13	Qt	eP	20	01	47.1d
13	Qt	eP	21	54	41
			ONSET POOR		
13	Qt	eP	22	32	32.5

July 1966

14	Qt	eP	00	41	00.6d
14	Qt	eP	04	43	10.4
14	Qt	eP	05	39	32.7
14	Qt	eP	05	54	44.4
14	Qt	eP	08	52	10.0
14	Qt	eP	10	08	43.8
14	Qt	eP	12	27	50.4
		iS		29	20.6
14	Qt	eP	18	18	39.3
14	Qt	iP	20	12	59.5c
15	Qt	eP	10	43	02.5
15	Qt	eP	18	09	07.6
15	Qt	eP	19	10	06.6
15	Qt	eP	20	36	29.8
15	Qt	eP	21	38	42.7

(Abdul Qadir Khan)
for
Director,
Meteorological Service

International Seismological Centre

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P A K I S T A N

No.SS-9(2)/63/ Quetta, the _____ July 1966.

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

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

Provisional Readings at Seismological Stations from 16th July, 1966 to 23rd July' 66

Additional
July 1966.

10	Wr	eP	01	38	15.5
10	Wr	iP	10	19	29.7d
10	Ml	iP	16	21	01.8c
		iS		27	41.5
	Wr	iP		21	16.5c
10	Wr	iP	22	12	54.0d
11	Wr	eP	02	59	28.6
11	Wr	eP	23	06	00.6
12	Wr	iP	00	09	27.5d
12	Wr	iP	03	04	07.4c
12	Ml	iP	14	05	30.5c
		iS		06	13.0
12	Ml	iP	18	59	20.2d
12	Wr	eP	20	11	03.7
13	Wr	eP	11	47	24.1
13	Wr	iP	14	50	14.4d
14	Wr	eP	20	13	21.1
15	Wr	eP	20	36	10.8

Continuation
July 1966.

16	Qt	iP	00	44	24.6c
16	Qt	eP	01	51	11.4
16	Qt	eP	03	57	40.8
16	Qt	iP	06	46	32.4c
16	Qt	eP	16	43	02.0d
16	Qt	eP	18	11	46.4
16	Qt	eP	19	46	18.1
		iS		48	33.3
17	Qt	eP	01	15	23.7
17	Qt	iP	07	01	21.4c
17	Qt	eP	10	16	56.5d
17	Qt	iP	10	38	22.6c
17	Qt	eP	12	51	31
			ONSET POOR		
17	Qt	eP	19	06	38.2
		iX			44.8
17	Qt	iP	23	19	19.1d
		eS		23	29.2
18	Qt	eP	02	00	08.7d
		eS		04	26.6

July 1966

18	Qt	eP	04	49	29.9
18	Qt	eP	05	29	03.4
18	Qt	iP	10	03	33.3c
		eS		07	14.0

	Mu	Sec
PZ	0.1	1.2
MH	4.6	20

$\Delta = 20.^{o}3$

	Lh	P	10	04	25

Mag = 5.3(Qt)

18	Qt	eP	19	37	12.1
18	Qt	eP	19	42	48.4c
18	Qt	eP	22	35	40.2
		iX		36	21.5
19	Lh	P	01	51	32
		S	02	00	09
	Qt	eP	01	52	03.2c
		eS	02	01	10.0
19	Qt	eP	03	30	34.3
		iS		31	52.0
19	Qt	eP	10	51	31.8
		iP			33.7c
		iS		52	01.0
19	Qt	iP	12	03	51.4d
19	Qt	eP	15	10	32.9
19	Qt	eP	18	31	30.8
19	Qt	iP	19	32	54.9c
		eS		43	12.0

	Mu	Sec
PZ	0.1	1.0
MH	3.0	20

$\Delta = 83.^{o}3$

Mag= 6.0 (Qt)

19	Qt	eP	19	50	22.4
19	Qt	eP	21	31	03.0
20	Qt	eP	09	46	55.8
20	Qt	eP	13	00	16.6
		eX		01	56.1
20	Qt	e(P)	13	43	55

July 1966

20	Qt	eP	20	18	26.4c
21	Qt	eP	01	03	59.0
		eS		05	30.2
21	Qt	eP	04	02	47.4d
21	Qt	eP	04	36	13.8d
		eS		37	32.7
21	Qt	eP	05	14	04.0
21	Qt	eP	05	23	46.4
21	Qt	eP	05	52	14.5
21	Qt	eP	09	14	57.9d
21	Qt	eP	10	15	10.7d
21	Qt	eP	13	37	47
			ONSET POOR		
21	Qt	eP	17	57	37.7
		iX			41.4
21	Qt	eP	18	48	00.2d
		eX		50	41.7
22	Qt	eP	03	44	19.3
		eS		47	57.3
22	Qt	eP	06	34	31.1
		eS		35	50.0
22	Qt	iP	10	29	43.1c
		eS		40	06.4

	Mu	Sec
MH	6.9	20

△ = 84°.8
Mag = 6.2(Qt)

22	Qt	eP	11	55	21.8d
		eS		56	50.9
23	Qt	iP	03	50	17.8c
23	Qt	eP	05	57	31.9
23	Qt	eP	08	38	31.8
23	Qt	eP	10	34	56
			Onset Poor		

July 1966

23	Qt	eP	12	34	20.6
23	Qt	iP	14	44	11.5c
		eS		54	34.3

	Mu	Sec
PZ	0.16	1.0
MH	5.1	20

△ = 84°.5
Mag = 6.1(Qt)

23	Qt	eP	14	52	10.5
23	Qt	eP	16	37	04.6
		eS		38	25.6
23	Qt	iP	17	46	38.7d
		eS		47	56.5
23	Qt	iP	20	24	22.2c

(Abdul Qadir Khan)
for
Director,
Meteorological Service.

International Seismological Centre

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

International Seismological Centre

P A K I S T A N

No.SS-9(2)/63/ Quetta, the _____August, 1966.

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

Provisional Readings at Seismological Stations from 24th July to 31st July 1966

Additional

July 1966

16	Wr	iP	19	45	11.3d
		iS			35.1
	Ml	iP			22.6d
		iS		46	46.8
	Lh	eP		45	42.5
		eS		47	20.5
	Qt	eP		46	18.1
		eS		48	33.3

H - 19:43:32
40°.4N, 73°.3E
Sinkiang Province, China
Depth about 33 km.

18	Wr	iP	02	00	58.4d
18	Wr	iP	10	04	30.7d
18	Wr	iP	19	43	35.9c
19	Ch	eP	01	51	20.0
	Wr	iP			28.0d
19	Wr	iP	03	29	28.5d
		iS			56.5
19	Wr	iP	12	03	35.0d
19	Wr	iP	19	32	24.8c
	Lh	eP			29.0c
20	Wr	eP	20	18	37.8
21	Wr	iP	01	02	54.8c
		iS		03	36.4
	Ml	iP			09.7d
		iS		04	00.8
	Qt	eP		03	59.0
		eS		05	30.2

H - 01:02:02
37°.3N. 71°.7E
Tadzhik-Afghanistan border
Depth about 160 km.

21	Wr	eP	04	01	47.0
21	Wr	eP	04	35	15.5
		eS			45.9
21	Wr	iP	05	13	35.3d
21	Wr	eP	05	52	03.4
21	Wr	eP	18	48	00.1
22	Ml	iP	03	43	02.4c
		iS		45	21.0
	Wr	iP		43	09.5d
	Ch	eP		44	49.0

July'66

22	Wr	eP	06	33	28.9
		eS			57.9
	Ml	eP			48.6
	Qt	eP		34	31.1
		eS		35	50.0

H - 06:32:49.5
35°.8N, 71°.6E
Pakistan-Afghanistan border
depth about 223 km.

22	Ch	eP	10	29	06.0
	Wr	iP			13.0c
	Ml	iP			13.3c
22	Wr	eP	11	54	18.3
		eS			58.8
23	Wr	eP	03	49	46.8
23	Wr	iP	05	57	35.6c
23	Ch	eP	14	43	34.0
	Wr	eP			40.5c
	Lh	eP			46.0
23	Wr	iP	16	36	01.9d
		iS			31.2
23	Wr	iP	17	45	41.6c
		eS		46	13.3
	Ml	eP			04.5
		iS			51.5
	Qt	iP			38.7d
		eS		47	56.5

H - 17:45:00
36°.1N. 70°.4E
Hindukush
Depth about 223 km.

23	Wr	eP	20	23	53.0

Continuation:
July. 1966.

24	Qt	eP	05	08	21.8
		eS			54.2
	Lh	P		09	02
		S			55

	Mu	Sec
Pg	0.07	0.6

△ - 2.7°
Mag - 4.9(Qt)

24	Qt	eP	15	25	31.3
		eS		26	50.7

July 1966

24	Qt	eP	17	37	03
			Onset Poor		
25	Qt	iP	03	17	57.0d
25	Qt	eP	09	02	09.5
25	Qt	iP	09	31	07.3c
25	Qt	eP	12	18	35
			Onset poor		
		eS		19	45.9
25	Qt	eP	20	02	25
			Onset Poor		
25	Qt	eP	21	55	28.9
	Qt	eP	01	54	58.8
26	Qt	eP	03	03	48.9
26	Qt	eP	03	59	36.3
26	Lh	P	15	16	55
		S		17	57
	Qt	eP			23
		eS		18	41
27	Qt	iP	07	25	24.6c
27	Qt	eP	14	52	45.9d
		eS		55	39.7
27	Qt	eP	15	34	07.5
27	Qt	eP	18	09	48
			Onset Poor		
		eS		10	14.5
27	Qt	eP	19	43	48.7
27	Qt	eP	20	58	45
			Onset Poor		
		eS	21	00	28.7
27	Qt	eP	21	13	52.9
28	Qt	eP	08	27	11.5
28	Qt	eP	09	53	25.0
		eS		54	23.2
28	Qt	eP	10	58	01.2
28	Qt	iP	12	26	47.9d
28	Qt	eP	12	44	19.0
28	Qt	eP	21	06	14.5
		eS		07	30.8
28	Qt	eP	23	40	24.8
29	Qt	eP	01	04	13.1
		eS		05	31.0
29	Qt	eP	06	34	58.9
29	Qt	eP	06	41	39.8
		eS		43	42.8
29	Qt	eP	08	23	56.5
		eS		26	23.2
29	Qt	eP	16	18	50.4
		eS		20	18.9
29	Qt	eP	19	58	55.6d
29	Qt	eP	22	18	11.4d
		eX			21.8

July 1966

30	Qt	iP	05	10	00.0d
		eS		11	20.7
30	Qt	iP	07	35	34.4c
30	Qt	iP	08	06	24.6c
30	Qt	eP	17	49	18.8
31	Qt	eP	10	59	21.4
31	Qt	iP	15	25	41.9c

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for Director,
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P A K I S T A N

No.SS-9(2)/63/ Quetta, the _____ August, 1966.

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

Provisional Readings at Seismological Stations from 1st August to 8th Aug.66

Additional
July, 1966.

24	Wr	eP	15	24	32.9
25	Wr	iP	12	17	19.3d
26	Wr	eP	15	16	14.6
		iS			46.7
	Lh	eP			54.5
		eS		17	56.5
	Qt	eP			23.0
		eS		18	41.0

H = 15: 15: 33
36°.6N, 71°.7E
Hindukush
Depth about 160 km.

27	Wr	iP	14	53	23.5d
27	Wr	iP	18	10	53.6d
27	Wr	eP	19	44	27.3
28	Wr	iP	08	26	53.9d
28	Wr	eP	09	52	02.0
28	Wr	eP	10	57	45.7
28	Wr	eP	21	05	17.2
		eS			49.2
29	Wr	eP	06	40	56.7
29	Wr	iP	08	24	53.4d
29	Wr	eP	16	17	43.7
30	Wr	eP	05	09	02.9
		eS			35.8
30	Wr	eP	17	49	39.9

Continuation
July
August 1966

1	Qt	eP	03	32	24.2
1	Wr	P	03	56	51
	Qt	eP		57	19.2
		eS		58	25.1
1	Wr	P	04	29	33
	Qt	eP		30	24.7
1	Qt	iP	06	37	57.5d
1	Qt	eP	07	54	28.2
1	Qt	eP	12	00	42.3
1	Qt	eP	16	03	26.2
1	Qt	eP	16	33	46.4
1	Wr	P	18	27	59
	Qt	eP		28	44

Onset poor

August, 1966

1	Qt	eP	19	10	21.7d
		iP			22.5c
	Wr	P		11	09
	Lh	P			10
		S		12	05
	Ch	X		15	00

H = 19 : 09 : 56
29.8N, 68.8E
Duki, District Loralai
West Pakistan
Depth about 33 km
Mag: 6-6½
Felt Loralai, Barkhan, Duki and Quetta.

1	Qt	iP	20	31	18.9c
	Wr	P		32	09
	Lh	X			13
	Ch	X		35	55

Duki aftershock
Felt: Duki and Quetta

1	Qt	iP	21	03	23.7c
	Lh	P		04	13
		S		05	00
	Ch	X		07	58

H = 21 : 02 : 57
29.8N, 68.8E
Duki, District Loralai
West Pakistan.
depth about 33 km
Mag = 6½ - 7
Felt: Districts of Loralai, Sibi and Quetta.

1	Qt	iP	21	36	11.0c
	Wr	P			52

Duki aftershock

1	Qt	iP	22	31	27.7c
	Wr	X		32	08
	Lh	P			12
		S		33	10
	Ch	X		35	52

Duki aftershock
Felt : Duki and Quetta.

August, 1966

2	Qt	iP	05	42	02.0d
		iS			26.0
	Wr	P			50

Duki aftershock

2	Qt	iP	09	19	31.0
		iS			51.2
	Wr	P		20	10

Duki aftershock

3	Ml	P	22	14	37
		S		15	29
	Lh	P		14	57
		S		16	04
	Qt	eP		15	20.4
		eS		16	49.5

H = 22: 13: 28
37.0N, 71.1E
Hindukush
depth about 223 Km

4	Qt	eP	03	08	40.4
	Lh	P		09	20
		S		10	11

Duki aftershock

4	Qt	iP	22	29	49.4
		eS		30	16.6
	Wr	P			34

Duki aftershock

5	Lh	P	01	04	11
		S		05	05
	Ml	P		04	16
		S		05	33
	Wr	P		04	46
	Qt	eP		05	38.8
		eS		07	39.0

H = 01 : 03 : 03
32.6N. 79.7E

Kashmir - Tibet border
depth about 33 km.

5	Qt	eP	04	46	45.2

August, 1966

6	Qt	eP	19	44	00.0
6	Qt	eP	20	30	07.4
7	Wr	P	02	25	06
	Qt	eP			35.8
		eS		36	00.0
7	Qt	eP	17	55	27.2
7	Qt	ePKP	17	56	30

Onset Poor

8	Qt	eP	00	35	59.7
8	Qt	e(P)	08	24	10.5

(Abdul Qadir Khan)
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No.SS-9(2)/63/ Quetta, the _____August, 1966.

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

Provisional Readings at Seismological Stations from 9th August to 15.8.1966.

Additional
August, 1966

1	Ml	eP	19	11	16.4
1	Ml	eP	20	32	18.3
1	Wr	iP	21	04	10.1c
	Ml	iP			20.2d
1	Ml	eP	21	36	56.3
1	Ml	iP	22	32	14.6d
2	Lh	eP	05	42	54.3
	Ml	eP			57.2
2	Ml	eP	09	20	15.8
4	Wr	eP	03	09	04.1
	Ml				26.6
4	Ml	eP	22	30	47.6
6	Wr	iP	19	43	22.7c
7	Ml	iP	02	25	07.7c
				35	03.6
7	Wr	eP	17	56	09.7
	Ch	eP		59	10.0
8	Wr	eP	00	35	43.9

Continuation
August, 1966.

9	Qt	eP	07	26	49.8
9	Qt	eP	07	49	22.2
		eS		50	57.6
9	Qt	eP	10	04	47.9
9	Qt	eP	16	02	36.8
9	Qt	eP	17	06	10.2
9	Qt	eP	17	28	00.0
9	Qt	eP	21	28	50.6
		eS		30	43.9
9	Qt	eP	21	36	32.8
10	Qt	eP	03	26	39.6
10	Qt	eP	05	19	57.5d
		e(S)		29	43.3
10	Qt	eP	12	46	31.8
10	Qt	eP	15	29	52.9
10	Qt	eP	17	03	30.8
10	Qt	eP	18	07	21.5
10	Qt	eP	18	46	15.1
10	Qt	eP	19	29	02.7
10	Wr	P	22	06	50
	Ml	P		07	15
	Qt	eP			42.4
		eS		09	40.2

H = 22 : 05 : 10
40.5N, 68.4E
Tashkent.

August, 1966

11	Qt	eP	06	39	43.9
11	Qt	eP	09	16	38.8
11	Qt	iP	10	58	24.7c
11	Qt	eP	15	13	45.2
11	Qt	eP	23	44	35.3
12	Qt	eP	04	18	34.3
12	Qt	eP	04	56	18.5
12	Qt	eP	17	29	40.8
		eS		30	54.9
12	Qt	eP	19	31	50.9
12	Qt	eP	20	04	29.9
		eS		05	48.8
12	Qt	eP	20	29	45.3
		eX		33	12.6
		e(S)		40	24.2
12	Qt	eP	21	18	43.8
		eS		2[illegible]	26.0
12	Qt	eP	22	32	24.2
14	Qt	eP	05	10	50.9
		eS		12	36.3
14	Qt	eP	23	01	54.8
15	Lh	P	02	16	45
		S		17	40
	Ml	P			06
		S		18	15
	Wr	P		17	33
	Qt	eP		18	00.2
		eS		19	52.0

			Mu		Sec
		PZ	0.1		0.6
	Ch	P	02	18	41
		(S)		20	58
	Kr	P		19	44

H = 02 : 15 : 35
29.3 N, 78.8E
Northern India
Depth about 33 Km.
Mag = 6.2(Qt)

15	Ch	P	02	51	42
	Wr	P		54	25
	Qt	eP			48.3
15	Qt	eP	10	02	52.4

August, 1966

15	Kr	P	10	25	34
	Qt	eP		26	21.8
		eS		31	00.0

	Mu	Sec
PZ	0.1	1.4
MH	23.9	20

△ = 27°.7

	Lh	P	10	26	47
		S		31	43
	Wr	P		27	01
	Ch	P			17

Mag = 5.8(Qt)

15	Qt	eP	12	11	13.7
		eS			37.0
	Wr	P		12	03

August, 1966

15	Wr	P	13	48	36
	Qt	eP		49	05.0
		eS		59	32

	Mu	Sec
MH	2.2	20

△ = 85°.4

Mag = 5.8(Qt)

15	Qt	eP	21	41	55.5

(Abdul Qadir Khan)
for Director,
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P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____ August, 1966.

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

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

Provisional Readings at Seismological Stations from 16th to 23rd August, 1966.

Additional
August, 1966

10	Wr	eP	03	25	52.0
10	Lh	eP	22	07	33.0
11	Wr	eP	06	38	43.1
11	Wr	eP	10	57	54.9
12	Wr	iP	17	28	38.3d
	Ml	eP		29	03.5
	Qt	eP			40.8
		eS		30	54.9

H =17 : 28 : 05
36°.0N, 70°.6E,
HINDUKUSH,
Depth about 96 km.

12	Wr	iP	20	29	17.0c
	Lh	eP			24.0
14	Wr	iP	05	09	43.5
		iS		10	33.6
	Ml	eP		09	51.4
		iS		10	46.7
	Qt	eP			50.9
		eS		12	36.3

H = 05 :08 :36
38°.1N, 73°.3E,
Tadzhik, S.S.R.
Depth about 160 km.

15	Wr	eP	12	12	02.5
15	Ch	eP	13	49	04.0

Continuation:

August, 1966

16	Wr	P	02	17	03
	Ml	P			24
		S		18	11
	Lh	P		17	43
		S		18	44
	Qt	eP		18	01.0
		eS		19	16.0
	Kr	P			03
		S		21	06
	Ch	P			12
		S		25	07

H = 02 : 16:22
36.0N 70.6E
HINDUKUSH
Felt Peshawar.
Depth about 220 km.

16	Qt	eP	04	01	12.0
16	Qt	eP	13	50	28.5
16	Qt	eP	15	07	50.4
16	Qt	eP	16	17	48.3
16	Qt	eP	18	06	19.1
16	Qt	eP	20	18	05.5
16	Qt	eP	23	51	04.2
17	Qt	eP	05	49	48.5
17	Qt	eP	12	02	43.2
17	Qt	eP	19	39	45.8
17	Lh	P	20	03	29
		S		11	00
	Qt	eP		04	02.8d
		eS		12	04.0
17	Lh	P	21	09	57
	Qt	iP		10	26.7c
		e(S)		21	00.0
17	Qt	eP	23	26	01.2
18	Qt	eP	00	13	22.0d
18	Qt	iP	06	50	04.8d
18	Qt	eP	10	52	15.2
		eS		55	49.0
	Wr	P		52	20
	Lh	P			24
	Ch	P			37
18	Ch	P	14	41	27
	Lh	P		43	44
	Wr	P		44	06
	Qt	iP			20.3c
18	Qt	eP	14	48	08.7
18	Qt	eP	15	54	16.6d
18	Qt	eP	17	00	05.0
18	Wr	P	20	04	32
	Qt	eP		05	14.6
		e(S)			57.7
18	Qt	eP	21	36	22.4c
		eS		37	45.4
18	Qt	eP	22	15	37.3

19	Qt	eP	05	53	34.6
	Wr	P		54	25
19	Qt.	eP	12	27	08.8
		iS		31	23.0
	Ml	P		27	49
	Lh	P			58
		S		32	52
	Ch	P		30	31

H = 12:21:53
Eastern Turkey
Heavy Loss of life and
Property reported.

19	Qt	eP	13	20	13.5d
	Wr	P			31.0
19	Qt	eP	13	59	24.6c
	Wr	P			42
19	Qt	eP	14	06	06.5
19	Qt	eP	14	23	01.0
19	Qt	eP	18	02	14.6
19	Qt	eP	18	35	24.3
		eS		36	39.2
19	Qt	eP	18	46	17.1d
	Wr	P			35
19	Qt	eP	19	08	29.7
		eS		09	58.5
19	Qt	eP	20	00	32.9
19	Qt	eP	21	43	46.0
20	Qt	eP	08	02	39.3
20	Lh	P	09	41	30
		S		48	45
	Qt	iP		42	13.5d
		eS		50	05.8
20	Qt	iP	09	46	46.8c
20	Qt	eP	10	17	58.1
		eS		19	32.0
20	Qt	eP	11	39	49.6
20	Qt	eP	12	04	17.3d
		iS		08	31.0
	Wr	P		04	34
	Lh	P		05	30
		S		09	49

H = 11 : 59 : 02
Eastern Turkey
Aftershock

20	Qt	eP	12	45	29.7
20	Qt	eP	13	03	27.3
20	Qt	eP	15	22	41.3
20	Qt	eP	16	18	31.5
20	Qt	eP	17	07	46

Onset Poor

20	Qt	eP	17	59	16.1
20	Qt	eP	18	34	37.5
20	Qt	eP	18	38	45.9
20	Qt	eP	19	15	54.3
20	Qt	eP	23	13	57.9c
20	Qt	eP	23	48	11.3c

21	Qt	eP	00	20	02.5
21	Qt	eP	01	37	27.7
21	Ch	P	05	07	27
		S		13	05
	Lh	P		09	43
		S		17	12
	Wr	P		10	05
	Qt	iP			25.9
		eS		18	33.0

	Mu	Sec
MH	5.2	20

Δ = 59.8°
Mag 5.9(Qt)

21	Qt	iP	06	04	14.1
		eS			46.6
	Wr	P			48
21	Qt	eP	11	04	38.7
		eS		05	56.7
21	Wr	P	11	43	51
	Qt	eP		44	54.5
		eS		46	13.0
21	Qt	eP	13	36	28.0
21	Qt	eP	15	22	53.0
21	Qt	eP	15	33	33.2
21	Qt	eP	16	37	43.3
21	Qt	eP	18	38	53.2
21	Qt	iP	18	42	44.0d
21	Qt	eP	20	35	13.9d
21	Qt	iP	21	22	48.9c
		eS		24	08.4
21	Qt	eP	22	41	38.2
22	Qt	eP	08	31	07.2
22	Wr	P	14	29	48
	Qt	iP		30	34.2
		eS		38	11.5
22	Qt	eP	15	28	42.3
22	Wr	P	17	13	09
	Qt	iP			25.2d
		eS		22	44.0
22	Wr	P	17	59	37
	Qt	eP	18	00	44.9
		eS		11	36.0
22	Qt	eP	18	30	46.9
22	Wr	P	21	29	45
		S		30	46
	Qt	eP		30	09.5c
		iX			10.6c
		eS		31	28.7
22	Qt	eP	21	59	10.5
22	Qt	eP	22	48	07.2
23	Qt	eP	01	40	51.4
23	Qt	eP	05	56	09.4
23	Qt	eP	08	43	10.0
23	Qt	eP	18	12	45.2
23	Lh	P	18	30	21
		S		36	47
	Qt	iP		31	11.7d
		eS		38	22.4

(Abdul Qadir Khan)
for Director, Meteorological Service.

International Seismological Centre

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

P A K I S T A N

International Seismological Centre

No. SS-9(2)/63/ Quetta, the _____ September, 1966.

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

Provisional Readings at Seismological Stations from 24th to 31st August, 1966.

Additional

August, 1966

16	Wr	iP	15	08	32.0d
17	Wr	iP	20	03	50.9d
17	Wr	iP	21	09	53.7c
18	Wr	iP	00	13	20.9d
18	Wr	iP	06	49	32.5c
18	Ml	eP	14	43	52.5
18	Lh	eP	14	47	39.0
	Wr	iP		49	06.3c
18	Wr	iP	15	54	02.3d
18	Ml	eP	20	04	22.4
18	Wr	eP	21	35	24.3
19	Wr	iP	12	27	06.6c
19	Wr	iP	14	23	17.0d
19	Wr	iP	18	34	21.0d
	Ml	iP			44.9c
	Qt	eP		35	24.3
		eS		36	39.2

H = 18: 33: 47
35°.8N, 70°.9E
Hindukush
Depth about 160 km.

19	Wr	eP	18	46	35.0
20	Wr	iP	08	02	41.2d
20	Ch	eP	09	40	12 ±
	Wr	iP		41	37.4d
20	Kr	eP	12	04	51.6
	Ml	iP			54.3c
	Ch	eP		07	30 ±
20	Wr	iP	12	45	42.2c
20	Wr	eP	17	07	03.7
	Ml	iP			32.4d
20	Wr	eP	23	13	49.8
21	Wr	iP	00	20	22.9c
21	Wr	iP	01	37	42.7c
21	Ml	eP	05	09	51.2
	Kr	eP		10	23.4
21	Wr	iP	11	43	51.6d
	Ml	iP		44	11.5d
		iS			56.6
	Qt	eP			54.5
		eS		46	13.0

H = 11:43:13
36°.2N, 71°.0E
Hindukush
Depth about 200 km

August, 1966

21	Wr	eP	20	34	38.4
21	Wr	eP	21	21	49.3
	Ml	eP		22	13.5
		iS			57.3
	Qt	iP			48.9c
		eS		24	08.4

H = 21:21:11
36°.2N, 70°.5E
Hindukush
Depth about 160 km.

22	Ch	eP	17	10	59
	Ml	eP		12	55.5
	Kr	eP		13	19.6
22	Wr	eP	17	59	36.9
23	Wr	eP	01	41	10.0
23	Wr	iP	18	30	40.1d

CONTINUATION:

August, 1966

24	Wr	P	02	48	02
	Qt	eP		49	07.0
24	Qt	eP	04	34	42.1
24	Qt	eP	06	51	38.3
		iS			57.7
	Wr	P		52	28
	Lh	P			33
		S		53	34

H = 06:51:13
29°.8N, 68°.5E
Duki After shock
Depth about 33 km.

24	Qt	eP	07	36	36.3
	Wr	P			40
24	Qt	eP	14	03	05.2
		eS			27.6
	Wr	P			51
25	Qt	eP	23	38	09.2
25	Qt	eP	23	50	30.3
26	Qt	eP	01	10	43.7d
26	Qt	eP	06	21	39.5

August, 1966

26	Qt	iP	10	31	22.7c
26	Qt	eP	17	09	38.7
		eS		11	08.5
27	Qt	iP	02	46	46.8c
27	Qt	eP	06	06	20.5
27	Qt	eP	13	08	54.0
27	Qt	eP	15	11	41.0
		eX		12	42.5
27	Qt	eP	17	20	13.6
27	Qt	eP	20	29	26.8
27	Qt	eP	22	16	12
			Onset Poor		
		eS		17	24.7
28	Qt	eP	04	25	45.2
28	Qt	eP	04	29	42.5
		eS		31	13.8
28	Qt	iP	07	48	19.4c
28	Qt	eP	08	02	18.9
28	Ch	P	10	13	11
		S		19	54
	Lh	P		14	44
		S		24	16
	Qt	iP		15	12.7d
		eS		24	56.9
28	Wr	iP	10	43	42.2
		iS		44	10.2
	Ml	P			05
		S			51
	Lh	P			23
		S		45	24
	Qt	iP		44	42.3c
		eS		45	59.5
	Kr	P			46
		S		47	57
	Ch	P			55
		S		51	59

H = 10:43:03.0
36°.1N, 71°.0E
Hindukush Region
Depth about 200 km.
Felt Slightly at Peshawar and Warsak.

28	Qt	eP	13	39	49.0
28	Qt	iP	13	41	08.3c
28	Qt	eP	18	58	28.2
28	Qt	eP	19	05	19.5c
28	Qt	eP	19	11	23.5d
28	Qt	eP	20	35	13.5
28	Qt	eP	22	41	25.7c
29	Qt	eP	22	46	47.8
		eS		48	02.7
30	Qt	eP	06	17	31.4
30	Qt	eP	06	44	42.8
		e(S)		47	32.2
30	Qt	eP	08	54	58.7
30	Wr	P	12	49	09
	Kr	eP			30
	Qt	iP			32.7c

August, 1966

30	Qt	eP	14	53	27.4d
		eS			49.6
	Wr	P		54	33
		S		55	40
30	Qt	eP	19	52	56.2
30	Wr	P	20	32	58
	Qt	eP		33	24.4d
		eS		43	46.3
	Kr	P		33	51
31	Qt	eP	00	02	50.7
31	Wr	P	01	19	43
		S		20	13
	Lh	P			23
		S		21	23
	Qt	eP		20	46.7d
		iS		22	05.0

Mu Sec
PZ 0.2 0.6
Δ 6.9
H = 01:19:05
36°.1N, 71°.2E
Hindukush
Depth about 200 km.
Mag: 4.5(Qt)

(Abdul Qadir Khan)
for
Director,
Meteorological Service.

International Seismological Centre

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POST BOX NO2. QUETTA

P A K I S T A N

No.SS-9(2)/63/ Quetta, the _____ August, 1966.

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

Provisional Readings at Seismological Stations from 1st September to 8th Sept.'66

Additional
August, 1966.

24	Ml	iP	02	49	08.6d
24	Wr	iP	04	33	32.5d
		iS		34	18.7
	Ml	eP		33	37;1
		eS		34	32.6
	Qt	eP			42.1

H - 04:32:28
37°.3N, 73°.8E
Tadzhik, S.S.R
Depth about 160 km.

24	Ml	eP	06	52	37.1
	Ch	eP		56	15.0
24	Lh	eP	07	36	45.7
25	Wr	eP	23	38	09.8
26	Wr	eP	17	08	35.2
		eS		09	16.2
	Ml	eP		08	50.1
		iS		09	41.8
	Qt	eP			38.7
		eS		11	08.5

H - 17:07:42
36°.2N, 70°.7E
Hindukush
Depth about 350 km.

27	Wr	iP	02	46	29.5c
27	Wr	eP	15	10	30.8
27	Wr	iP	17	19	49.6c
27	Wr	eP	22	15	19 +
28	Wr	eP	04	28	36.4
		eS		29	17.8
28	Wr	eP	10	14	55.5d
28	Wr	eP	19	05	04.8
28	Lh	eP	22	40	47.0
	Ml	eP			55.3
29	Wr	eP	22	45	45.6
		eS		46	13.0
30	Kr	eP	12	49	30.0
30	Kr	eP	14	54	51.0

Continuation

September, 1966

1	Wr	P	14	26	07
	Qt	iP			40d
1	Qt	eP	14	30	11
	Wr	P			33
1	Qt	iP	14	35	32c
1	Qt	eP	14	53	23
	Wr	P		54	39
1	Qt	iP	19	04	14d
		eS			38
	Wr	P		05	01
2	Qt	eP	19	27	32d
2	Qt	eP	23	31	29
2	Wr	P	01	06	15
	Qt	eP			43
2	Wr	P	08	18	51
	Qt	eP			59
2	Qt	eP	10	46	20
2	Qt	eP	11	16	03
2	Qt	eP	14	45	11
3	Qt	eP	14	23	43
		eS		25	12
3	Wr	P	14	35	09
		S			36
	Qt	eP			12
		eS		36	29
3	Qt	eP	15	58	33
4	Qt	eP	09	53	07
5	Qt	eP	07	06	00.0
5	Qt	eP	09	00	14.1c
5	Qt	iP	22	27	04.0d
		eS			26.2
	Wr	P			48
6	Qt	eP	00	53	40.0d
6	Qt	eP	13	14	24.7
6	Qt	eP	17	54	16.7

September, 1966

6	Qt	eP	19	27	04.2c
6	Qt	eP	20	43	06
			Onset Poor		
6	Qt	eP	20	47	17
			Onset Poor		
6	Qt	eP	21	01	45.3d
7	Qt	eP	16	21	59.8c
8	Qt	iP	02	26	01.5c
8	Qt	eP	08	47	56.7
		eX		50	46.3
8	Wr	P	11	33	56
		S		34	36
	Qt	eP			43.4

September, 1966

8	Wr	P		19	01
		S			
	Lh	P			42
		S		20	46
	Qt	iP		19	53.2d
		eS		21	05.5

	Mu	Sec
PZ:	.08	0.7
△ =	6.6	
H =	12:18:18	

$36.^{o}1$N, $70.^{o}2$E
Hindukush region
Depth about 230 km.
Mag: 5.1(Qt)

8	Qt	eP	15	39	56.2
8	Qt	eP	16	55	56.3
8	Ch	P	21	23	29
		S		29	34
	Kr	P		25	12
	Lh	P			42
		S		33	41
	Qt	iP		26	20.5c
		iS		34	54.0
8	Qt	eP	22	43	31.8d
		eX			48.9

(Abdul Qadir Khan)
for Director,
Meteorological Service

International Seismological Centre

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P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____ Sept.' 1966

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

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

Provisional Readings at Seismological Stations from 9th to 15th September' 1966.

Additional September, 1966

1.	Ml	iP	14	25	59.0d	
1	Kr	eP	14	30	42.5	
1	Qt	iP	19	04	14.0d	
		eS			38.0	
	Wr	eP		05	00.7	
		eS			57.8	
	Ml	eP			08.0	
		eS		06	08.0	

H = 19 03 45
29°.6N , 69°.0E
Near Kohlu (West Pakistan)
Depth about 33 km.

2	Wr	eP	11	17	04.2	
3	Wr	iP	14	23	39.1d	
	Ml	eP			58.0	
3	Ml	eP	14	35	26.5	
4	Wr	iP	09	52	52.1d	
5	Ml	eP	22	28	03.5	
	Kr	eP			36.9	
7	Wr	eP	16	21	58.5	
8	Ml	iP	12	19	23.0c	
		iS		20	13.5	
	Kr	eP		19	55.3	
8	Ml	iP	21	25	48.6d	
		eS		33	55.0	
	Wr	iP		26	02.7c	

Continuation September' 1966

9	Qt	eP	10	59	28.2	
		eS	11	00	45.5	
9	Qt	eP	12	13	13.7d	
9	Qt	eP	18	30	48.0	
9	Qt	eP	20	46	44.2c	
		e(S)		50	42.0	
10	Qt	eP	02	37	24.7	
10	Qt	eP	10	14	59	
10	Qt	eP	14	32	21	
10	Qt	eP	17	34	54	
10	Qt	eP	18	33	12	
			On	set	poor	
		eS		34	30	
11	Wr	P	05	12	33	
		S		13	06	
	Qt	eP			40	
		eS		15	02	
11	Qt	eP	07	15	44	
11	Qt	eP	07	21	38	

September' 66

11	Qt	eP	11	15	20	
11	Wr	P	16	00	13	
	Qt	iP		-	47	c
11	Qt	eP	17	56	51	
	Wr	?			51	
11	Qt	eP	21	40	23	-
12	Qt	eP	08	30	12,6	*
12	Ch	P	11	43	55	
		S		53	05	
	Qt	eX		44	20.0	
12	Qt	eP	11	48	14.5	
12	Qt	eP	14	15	55.0	
		eS		17	13.1	
12	Qt	eP	16	04	00.0	
12	Qt	eP	18	15	28.2d	
12	Qt	eP	20	58	39.3	
13	Qt	e(P)	01	33	37.8	
		eS		34	52.1	
13	Lh	P	07	23	19	
		S			25	
	*Qt	eS		25	50.0	

*(P not tr.aceable)
H = 07 23 10.6
Epicentre about 20 miles
West of Lahore
Felt slightly Lahore

13	Wr	P	11	19	36	
	Qt	eP		20	46.3	
		eS		22	40.7	
13	Qt	eP	18	30	24.9	
		eX		32	40.7	
13	Qt	eP	20	28	59.0	
	Wr	P		29	14	
13	Qt	eP	23	12	55.0	
13	Qt	eP	23	33	26.0	
13	Wr	P	23	54	48	
		S	00	02	32	
	Qt	eP	23	55	09.0c	
14	Qt	eP	00	05	41.2	
14	Qt	eP	00	51	18.6c	
		e(S)		55	04.0	
	Wr	P		52	20	
14	Qt	eP	01	24	14.7	
14	Qt	eP	18	46	23.9	
		eS		48	38.3	
14	Qt	eP	19	21	11.5	
14	Qt	eP	20	11	28.0	
14	Qt	eP	23	07	47.4	
	Wr	P		08	54	
	*eS		31	19.6	*	

September' 1966

14	Qt	eP	23	37	25.9
	Lh	P			36
	Wr	P			37
15	Qt	eP	02	05	14.1
15	Qt	eP	02	43	36.7
15	Qt	eP	03	56	32.2
		eS		57	54.9
15	Qt	eP	04	26	14
		On set poor			
15	Qt	eP	06	40	50.9
15	Qt	eP	08	00	50.9d
15	Qt	eP	10	56	25.7
15	Qt	eP	12	10	39.6
		e(S)		17	33.8
	Lh	P		10	48

September' 1966

15	Qt	eP	12	18	41.9
15	Lh	P	17	18	40
		S		25	02
	Wr	P		19	00
		S		21	00
	Qt	eP		19	30.6c
		eS		26	36.2
		Mu		Sec	
	PZ	0.05		0.9	
	MH	7 .2		20	

$\triangle$ = 49°.8

Mag:- 5.7(Qt)

15	Qt	eP	17	33	29.9
15	Qt	eP	18	08	06.2

(Abdul Qadir Khan)
for Director
Meteorological Service.

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P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/10 4 Quetta, the 28th September, 1966.

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

Provisional Readings at Seismological Stations from the 16th September to23rd Sept1966

Additional

September,1966.

9	Wr	iP	10	58	28.7d
		iS		59	01.0
	Ml	eP		58	50.4
		eS		59	38.9
	Qt	eP			28.2
		eS	11	00	45.5

H = 10:57:47

36.2N, 70.7E
Hindukush Region
Depth about 200 Km.

9	Wr	eP	12	13	11.7
9	Wr	eP	20	47	40.1
10	Wr	eP	10	15	16.1
11	Ml	eP	05	12	53.7
		eS		13	39.6
11	Ml	eP	15	59	50.8
11	Ml	eP	17	56	51.0
12	Wr	eP	08	29	22.5
12	Lh	eP	11	43	53
12	Wr	eP	14	15	00.5
		eS			34.2
13	Wr	eP	01	30	30.2
		eS			57.9
13	Wr	eP	07	24	05.1
13	Wr	eP	23	33	11 +
	Ml	iP			22.8c
13	Ml	eP	23	54	32.0
14	Ml	eP	18	45	16.9
	Lh	eP			33.0
14	Ml	iP	23	06	21.6c
	Wr	eP			41.3
14	Ml	eP	23	37	36.2
15	Wr	eP	12	10	49.6
15	Ml	eP	17	18	47.4

Continuation.

16	Qt	eP	03	00	58.0d
16	Qt	eP	08	02	01.6d
16	Qt	eP	17	23	17.3d

September,1966

17	Qt	eP	04	20	22.7
17	Qt	eP	06	29	33.7
		eS		30	55.7
17	Wr	P	08	41	42
		S		42	15
	Qt	iP			40.0d
		eS		43	56.2
17	Qt	eP	09	55	09.1
17	Qt	eP	11	24	25

Onset poor

17	Qt	eP	16	58	15.3
		eS		59	18.0
17	Qt	iP	19	01	27.6d
		eS		02	40.6
17	Qt	eP	19	47	52.2
17	Qt	eP	20	36	25.2d
17	Qt	iP	21	23	59.2c
17	Qt	eP	23	26	50.4
18	Qt	eP	00	03	26

Onset Poor

18	Qt	eP	00	45	20.0
18	Qt	eP	02	09	30.5
18	Qt	iP	05	00	53.9c
18	Qt	eP	05	32	35.8
18	Qt	eP	07	01	07.5c
18	Qt	eP	12	02	52.4d
18	Qt	eP	12	26	06.5
18	Lh	P	14	21	34
		(S)		26	17
	Wr	P		22	07
	Qt	eP			24.4c
		eS		27	40.0

	Mu	Sec
MH	2.9	20

△ = 33°.1
Mag = 5.5(Qt)

18	Qt	eP	15	33	09.2
18	Qt	eP	17	03	32.3
18	Qt	eP	18	17	04.6d
18	Qt	eP	19	53	13.5

Contd.——?

18	Qt	eP	20	46	37.6
		eS		48	47.0
				Mu	**Sec**
		PZ		0.2	0.7
	Wr	P	20	47	40
	Lh	P		48	01

H = 20:43:51.4
26.7N, 54.0E
Southern Iran
Depth about 33 Km.
Mag = 6.4(Qt)

19	Qt	eP	02	08	28.6
19	Qt	eP	04	03	25.9
		eX		04	04.7
19	Qt	eP	04	34	48.3
19	Qt	eP	05	02	38.9d
19	Wr	P	05	09	16
	Qt	eP			38.9d
		e(S)		14	40.3
19	Qt	eP	06	18	52.4
19	Qt	iP	07	20	01.4c
19	Qt	eP	15	05	11.5
		eS		06	51.7
19	Qt	eP	18	48	54
			Onset Poor		
19	Qt	eP	19	05	44.0c
20	Qt	eP	00	38	52.9
20	Qt	eP	05	17	14.0
20	Qt	eP	06	25	36.0c
20	Qt	eP	09	42	47.3
20	Qt	eP	12	01	43.8
20	Qt	eP	14	38	36.9c
20	Qt	eP	17	51	01.2
20	Qt	eP	18	30	51.0
20	Qt	eP	20	43	19.0
20	Wr	P	23	42	14
	Qt	eP		43	11.2c
		eS		48	38.3
20	Qt	eP	23	55	18.0d
21	Qt	eP	18	02	53.9d
21	Qt	eP	20	38	45.3

September, 1966

22	Qt	eP	00	15	21.5
22	Qt	eP	04	53	10.0d
		eS		54	38.8
22	Qt	eP	11	29	19.5c
		eS			49.8
	Wr	P		30	04
22	Qt	eP	14	01	41.1
22	Qt	eP	18	31	
22	Qt	eP	22	00	5. 4
23	Wr	P	01	39	50
	Qt	eP		40	26.6c
		eS		49	18.0

		Mu		**Sec**
	MH	2.9		20

△ = 67°.3

Mag = 5.8 (Qt)

23	Qt	iP	07	38	01.5d
		eS		39	07.5
23	Qt	eP	08	05	54.5
		eS		07	12.5
23	Qt	eP	10	07	51.7
23	Qt	iP	18	44	36.7d

(Abdul Qadir Khan)
for Director,
Meteorological Services.

International Seismological Centre

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____ October, 1966.

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

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

Provisional Readings at Seismological Stations from the 24th Sept.66 to 30.9.1966

Additional
September, 1966

16	Wr	eP	08	01	43.5
17	Wr	eP	06	28	36 ±
		eS		29	08.3
17	Wr	eP	16	57	14.6
17	Wr	eP	19	00	35.2
18	Ml	eP	20	47	59.9
20	Lh	eP	23	42	14.5
	Ml	iP			25.7c
22	Wr	iP	04	52	03.9d
		iS			41.6
	Ml	eP			21.0
		iS		53	08.8
	Qt	eP			10.0d
		eS		54	38.8

H = 04:51:16
37°.0N, 71°.8E
Tadzhik - Afghanistan Border
Depth about 160 Km.

23	Lh	eP	01	39	48.0
23	Wr	iP	07	37	04.1d
		iS			25.6

Continuation.
September, 1966

24	Qt	eP	10	03	26.7d
		eS		05	31.0
	Wr	P		04	31
25	Qt	eP	01	28	55.7d
25	Qt	eP	01	33	43.2
25	Qt	eP	06	20	46.7
25	Qt	iP	06	21	32.7
25	Qt	eP	07	07	43.4
25	Wr	P	14	04	07
	Qt	eP		05	09
			Onset Poor		
25	Qt	eP	20	30	37.5d
25	Qt	eP	23	59	05.6c
26	Ch	P	04	26	15
	Qt	eP		31	21.8

September, 1966

26	Ch	P	05	12	14
		S		13	13
	Lh	P		14	41
		S		17	39
	Qt	iP		15	58.2c
		iS		20	02.0
26	Qt	eP	11	31	00.0
		eS		32	18.1
26	Qt	eP	15	33	27.7
26	Qt	eP	21	00	08 Onset Poor
		eS		01	42.1
27	Qt	eP	03	45	31.2
27	Qt	eP	17	46	00.0
27	Qt	eP	18	52	08.6
27	Ch	P	19	24	38
		S		26	00
	Qt	eP		28	42.8d
		e(S)		34	22.0
28	Qt	eP	03	34	00;3d
		eS		35	19.6
28	Ch	P	14	02	39
		S		05	35
	Lh	P			22
		S		09	31
	Wr	P		05	58
	Qt	iP		06	22.1d
		eS		11	10.1
28	Qt	eP	18	07	43
			Onset Poor		
28	Wr	P	20	16	11
		S		17	38
	Qt	eP			20.0
		eS		19	39.8
28	Qt	eP	23	56	03.0
29	Qt	iP	03	02	47.3c
29	Qt	eP	12	41	29.7
29	Qt	eP	15	04	29.5
29	Qt	eP	15	54	25.7c
		eS		55	44.9
29	Qt	eP	17	47	17.6
		eS		49	23.3
29	Qt	eP	18	56	47.4
30	Qt	eP	06	02	02.0
		eS		05	00.0
30	Qt	eP	09	51	45.1

Abdul Qadir Khan
for Director, Meteorological Service.

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GEOPHYSICAL INSTITUTE
POST BOX NO."2"QUETTA

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the October'1966

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

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

Provisional Readings at Seismological Stations from 1st October to 8th October'66

Additional
September, 1966

24	Kr	eP	10	03	29.9
25	Wr	eP	01	28	27.5
25	Kr	eP	06	21	42.3
26	Wr	eP	05	15	19.6
	Kr	eP		16	06.6
26	Wr	iP	11	30	07.6d
		iS			42.1
	Ml	eP			30.5
		iS		31	21.0
	Qt	eP			00.0
		eS		32	18.1
		Mu	Sec		
	PZ	.01	0.7		

H 11 29 22
36°.4 N, 70°.1E
Hindukush
depth about 223 km.
Mag 4.0(Qt)

28	Ml	eP	03	34	03.8
28	Kr	eP	14	06	25.3
28	Ml	iP	20	16	09.3d
		iS		17	33.8
	Wr	eP		16	10.5d
		eS		17	36.6
	Qt	eP			20.0
		eS		19	39.8

H 20 14 20
40°.1N, 77°.0E
Sinkinag Province, China
depth about 96 km.

29	Ml	eP	12	40	02.0
29	Wr	eP	15	53	24.5
		eS			57.6
	Ml	eP			45.4
		eS		54	32.3
	Qt	eP			25.7c
		eS		55	44.9
		Mu	Sec		
	PZ	.02	0.7		

H 15 52 43
36°.4N, 70°.8E
Hindukush
depth about 160 km.
Mag :- 4.6(Q t)

September, 1966

30	Wr	eP	06	01	39.2
	Ml	eP		02	09.0

Continuation
October, 1966

1	Wr	P	07	38	41
	Lh	P		39	36
		S		40	26
	Qt	eP		39	54.5d
		Mu	Sec		
	PZ	.06	0.6		

H 07 38 31
34°.6N, 70° 8E
Afghanistan - Pakistan border
depth about 33 km
Mag :- 5.0(Qt)

1	Wr	P	11	12	36
		S		13	22
	Qt	eP			45.4
		eS		15	30.2
1	Qt	eP	22	04	44.8
		eS		06	02.0
2	Qt	eP	02	33	29.2d
2	Qt	eP	04	37	11.0
2	Lh	P	07	35	30
	Qt	eP			55.7d
		e(S)		46	10.0
2	Qt	eP	11	13	12.6
		eS			28.0
	Wr	P		14	00
2	Qt	eP	11	28	26.2
	Wr	P			34
2	Qt	eP	12	13	19.6
		eS		14	37.8
2	Qt	eP	12	20	18.9c
2	Qt	eP	13	18	05.8
2	Qt	eP	14	55	56.2d
22	Qt	eP	17	09	25.8
2	Qt	eP	17	13	50.4
2	Qt	eP	22	05	23.7
3	Qt	eP	01	56	13.1d
		eS			26.2
	Wr	P		57	16

October, 1966

3	Qt	eP	06	52	10.0
		eS		53	27.2
3	Qt	eP	08	03	13.8c
3	Qt	eP	15	14	08.5
3	Qt	e P	17	08	14.5
		e(S)		11	32.0
4	Qt	eP	04	45	08.5
4	Qt	eP	07	34	12.4d
4	Qt	eP	07	44	08.0
		e(S)		45	18.2
4	Qt	eP	21	37	33.9
5	Qt	eP	07	35	23.0
5	Wr	P	07	59	38
		S	08	01	21
	Qt	eP		00	17.8
		eS		02	26.0
5	Qt	eP	08	43	07.0
5	Wr	P	12	20	52
		S		21	32
	Qt	e P			36.2
5	Qt	e P	15	53	27
			On set poor		
5	Wr	eP	19	44	09
		S			37
	Qt	e P			18.5
		eS			52.6
5	Qt	eP	20	44	19.9d
6	Qt	eP	03	23	24.2
6	Qt.	eP	06	39	20.7
6	Qt	eP	07	53	50
			On set poor		
6	Qt	eP	13	26	11.5d
6	Qt	eP	13	59	34.8d
6	Qt	eP	14	20	34.3d
7	Qt	eP	00	40	14.5
		eS		41	20.7
7	Qt	iP	05	10	33.7d
		iS		12	22.5

October, 1966

7	Qt	eP	07	28	11.7
7	Qt	eP	07	48	54.8d
7	Qt	eP	10	12	24.0
		eS		14	01.1
7	Qt	eP	16	09	32.3
		iX		14	20.0
		e(S)		20	00.0
7	Qt	eP	16	26	27.7
		e(S)		34	52.4
7	Qt	eP	19	35	33.8
		eS		37	24.2
7	Qt	eP	21	08	20.0d
7	Qt	eP	23	16	10.3
8	Qt	eP	00	31	08.2d
		eX		32	31.2
8	Qt	eP	02	40	27.3d
8	Qt	eP	04	03	54.4d
8	Qt	eP	12	13	14.1c
8	Qt	eP	12	40	24.2
		eS		41	44.3
8	Qt	iP	17	56	17.9c
8	Qt	eP	20	32	37.3
8	Qt	eP	21	08	20.5

International Seismological Centre

(Abdul Qadir Khan)
for DIRECTOR
Meteorological Services.

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

International Seismological Centre

P A K I S T A N

No.SS-9(2)/63/

Quetta, the _____October, 1966

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

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

Provisional Readings at Seismological Stations from 9th to 15th October, 1966.

Additional
October, 1966

1	Ml	eP	07	39	17.5
	Kr	eP		40	56.3
1	Wr	P	11	12	36
		S		13	22
	Ml	iP		12	47.0d
		iS		13	44.2
	Qt	eP			45.4
		eS		15	30.2

	Mu	Sec
PZ	0.01	0.5

H = 11 11 33
38°.0N, 72°.9E
Tadzhik, S.S.R.
Depth about 96 Km.
Mag = 4.8(Qt)

1	Wr	eP	22	03	47.0
	Ml	eP		04	55.4
2	Wr	eP	04	36	43.3
2	Wr	eP	07	35	27.1
	Kr	eP		36	15.5
2	Kr	eP	11	14	00.2
2	Kr	eP	11	28	53.0
	Ml	eP			54.4
2	Wr	eP	13	19	27.0
3	Wr	eP	06	51	11.8
	Ml	eP		52	20.5
4	Wr	iP	07	42	55.4d
		iS		43	05.0
	Ml	eP			31.4
5	Ml	eP	12	21	32.9
5	Ml	eP	19	44	15.0
		iS			48.6
7	Wr	iP	00	39	11.5c
		iS			32.3
	Ml	eP			39.4
7	Wr	eP	05	09	26.3
		eS		10	16.6
	Ml	eP		09	36.8

October, 1966

7	Wr	eP	10	11	15.9
		eS			59.4
	Ml	eP			32.5
		iS		12	23.9
	Qt	eP			24.0
		eS		14	01.1

	Mu	Sec
PZ	.01	0.4

H = 10 : 10: 21
37°.7 N, 71°.7E
Tadzhik - Afghanistan Border
Depth about 33 Km.
Mag = 5.4(Qt)

7	Ch	iP	16	07	47.0c
	Lh	eP		09	05.0
	Wr	eP			17.9
7	Ch	eP	21	07	17.0
8	Ch	eP	17	55	39.0

Continuation
October, 1966

9	Qt	eP	02	24	16.8c
9	Qt	eP	03	44	22.7
9	Qt	eP	06	56	00.0d
		eS	07	07	56.0
9	Qt	eP	07	35	01.1
9	Qt	cP	07	56	23.3
		eS		57	41.3
9	Qt	eP	10	35	42.3
9	Qt	eP	17	26	36.5
		eS		27	53.6
9	Qt	eP	20	19	43.3
		eS		20	54.9
10	Qt	cP	02	54	48.9c
10	Qt	eP	06	54	22.2
10	Qt	eP	19	11	58.2
10	Qt	cP	21	30	35.0
11	Qt	eP	01	30	48.6

International Seismological Centre

October, 1966

11	Qt	eP	06	44	39.5
		eS		53	50.4

	Mu	Sec
MH	2.9	20

△ = 70.6
Mag = 5.8(Qt)

11	Qt	eP	08	18	25.4
11	Qt	eP	10	12	46.8d
		eS		18	00.0
11	Qt	eP	16	32	10.0
		eS		33	46.9
11	Qt	eP	16	54	44.3
11	Qt	eP	19	38	56.5
		e(S)		41	27.7
11	Qt	eP	20	09	08.5
		e(S)		10	22.2
11	Qt	eP	20	59	36.9
12	Lh	P	00	17	03
		S		25	20
	Qt	eP		17	31.8c
		eS		26	22.2

	Mu	Sec
MH	- 6.9	20

△ = 67°.0
Mag= 6.1(Qt)

12	Qt	eP	05	57	30.2
12	Qt	eP	08	31	01.0
12	Qt	eP	16	07	53.9
13	Lh	P	12	43	58
		S		44	56
	Wr	P			35
		S		45	53
	Qt	eP			23.2
		eS		47	33.3

	Mu	Sec
PZ	.01	0.5

H = 12:42:35.7
32.5N, 81.0E
Tibet
Depth about 33 Km.
Mag: 5.3(Qt)

13	Qt	eP	16	04	25.2
		eX		05	07.4
13	Qt	eP	17	43	33.9
		eX		45	39.8
13	Qt	eP	17	48	32.3
13	Qt	eP	18	56	14.4
		eX			30.1
		e(S)	19	06	20.4
14	Qt	eP	00	06	18.3d
		eS		07	47.0

October, 1966

14	Ch	P	01	08	09
		S		11	05
	Lh	P		07	33
	Wr	P			52
	Qt	iP		08	56.8d
		eS		12	30.2

	Mu	Sec
PZ	0.13	1.2

H - 01:04:26
37.9N, 89.6E
Western China
Depth about 33 Km.
Mag- 5.3(Qt)

14	Ml	P	01	13	52	
		S		15	24	
	Qt	eP			10.6	
14	Qt	eP	04	12	20	Onset Poor
14	Qt	eP	22	28	17.7	
14	Qt	eP	22	40	42.5	
15	Qt	eP	06	59	23.0d	
		eS	07	03	37.2	
15	Qt	eP	07	34	57.7	
15	Qt	eP	08	06	18	Onset Poor
15	Qt	eP	09	23	13.6	
15	Qt	eP	14	31	30.2	
15	Qt	eP	20	53	52.5	

(K. U. SIDDIQI)
for
Director,
Meteorological Services.

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_____October, 1966

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

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

Provisional Readings at Seismological Stations from 16th to 23rd October, 1966.

Additional
October, 1966

9	Wr	eP	06	56	38.2
	Lh	eP			52.0
	Ch	eP		58	40.0
9	Wr	eP	07	55	25.5
		eS		57	57.6
	Ml	eP			43.4
		iS		56	36.6
	Qt	eP			23.3
		eS		57	41.3

H = 07 : 54 : 43
36°.1N, 71°.1E
HINDUKUSH
Depth about 250 km.

9	Wr	eP	17	25	36.8
		eS		26	10.0
	Ml	eP			04.9d
		iS			54.4
	Qt	eP			36.5
		eS		27	53.6

H = 17 : 24 : 56
36°.4N, 70°.0E
HINDUKUSH
Depth about 223 km.

9	Ml	iP	20	19	12.1d
		iS			57.0
11	Ch	eP	06	44	53
11	Ch	eP	10	09	14
11	Ml	eP	16	31	13.4
12	Ch	eP	00	15	01
	Ml	eP		17	10.5
13	Ml	eP	12	44	12.0
	Kr	eP			43.7
13	Kr	eP	17	43	19.7
	Wr	eP			31.6
14	Kr	eP	01	09	32.5
15	Kr	eP	06	58	49.3

Continuation
October, 1966

16	Qt	eP	09	24	03.3
16	Qt	eP	09	26	58.5c
		eS		27	17.0

		Mu	Sec
	PZ	0.2	0.4
Wr	P		27 50
Lh	P		53
	S		29 14
Ml	P		27 56
Ch	P		31 33
	S		35 34

H = 09 : 26 : 24
28.8N, 68.8E
Near Sui
West Pakistan
Depth about 33 km.
Mag = 5.5(Qt)

16	Qt	eP	13	14	05.2d
16	Qt	eP	14	05	01.0
		e(S)		06	33.5
16	Wr	P	23	32	50
		S		33	30
	Ml	P			06
		S			57
	Qt	eP			54.9
		eS		35	23.4

H = 23 : 32 : 00
37.2N, 71.7E
Afghanistan-Tadzhikistan
border.
DEPTH ABOUT 160 Km.

17	Qt	eP		05	35	39.0
17	Qt	eP		08	30	02.0
		eS			31	20.0
17	Qt	eP	1	13	22	20.7
17	Qt	eP		14	09	56.5
17	Qt	eP		17	46	50.6
17	Qt	eP		18	45	26.2
		eS			46	43.6

International Seismological Centre

October, 1966

17	Qt	eP	18	56	14.0
		eS		57	34.6
17	Qt	eP	21	14	42.0
17	Qt	ePKP	22	01	24.6d
	Wr	PKP			29
	Kr	iPKP			31
	Lh	PKP			36
	Ch	PKP		02	22

PERU

18	Qt	eP	00	06	19
			Onset Poor		
	Wr	P			23
	Lh	P			26
18	Ch	P	20	35	28
		S		36	06
	Qt	eP		39	59
18	Qt	eP	21	28	11
19	Wr	P	04	01	47
		S		05	01
	Qt	eP		02	47.5
		e(S)	-	06	09.0
19	Qt	eP	06	40	18.6d
19	Qt	eP	08	14	04.7d
		eS		24	48.0
	Wr	P		14	24
		S		25	28
	Lh	P		14	36
		S		25	48
19	Wr	P	12	53	12
	Qt	eP			20.6d
19	Qt	eP	19	42	05.0
19	Qt	eP	19	45	12.1
20	Mi	P	00	54	42
	Lh	P			52
		S		55	41
	Wr	P		-	56
		S		56	14
	Qt	iP			07.0d
		eS		58	04.0

	Mu	Sec
PZ	0.01	0.7

H = 00 : 53 : 36
36.3N, 77.4E
China-Kashmir border
depth about 33 km.
Mag = (Qt)

20	Qt	eP	12	16	42.5
20	Qt	eP	15	16	06.6
		eX		18	42.4
20	Qt	eP	20	25	15.7
		eS		26	35.3

October, 1966

21	Qt	eP	05	03	33.3
21	Qt	eP	10	52	32.3
21	Qt	eP	15	16	57.6d
21	Qt	eP	16	24	16.2
22	Ch	P	03	04	04
		(S)			42 *
	Wr	S		12	25
	Qt	iP		08	46.3d
		eS		13	25.3
22	Qt	eP	12	58	15.7
22	Wr	P	13	34	33
		S		35	24
	Qt	eP			37.9
23	Qt	iP	00	00	22.2c
		eS			37.5
	Wr	P		01	19
		S		02	15
23	Qt	eP		20	19c
		eS		29	19

	Mu	Sec
MH	5.2	20

△ = 68°.8
Mag= 5.8(Qt)

23	Qt	eP	09	28	56
23	Qt	eP	11	08	56c
23	Qt	eP	11	41	20
23	Qt	eP	12	26	17
		eS		35	25

	Mu	Sec
MH	1.8	20

△ = 70°.2
Mag= 5.7(Qt).

23	Qt	eP	17	31	06c

(K.U.SIDDIQI)
for Director,
Meteorological Service.

* Wr P 08 13

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

PAKISTAN

No.53-9(2)/63/ Quetta, the November, 1966

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

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

Provisional Readings at Seismological Stations from 24th to 31st October, 1966

Additional

October, 1966

16	Wr	eP	14	03	58
	Ml	eP			58
17	Wr	eP	08	29	03.4
		eS			32.3
	Ml	eP			23.6
		eS		30	10.6
	Qt	eP			02.0
		eS		31	20.0

H = 08: 28: 22
36°.1N, 70°.8E
Hindukush
Depth about 200 km.

17	Wr	eP	18	44	31.5
		iS		45	05.0
17	Ml	ePKP	22	01	34.6
18	Kr	eP	00	06	25.6
	Ml	eP			36.2
19	Ml	eP	08	14	33.6
	Ch	eP		16	00 ±
19	Ch	eP	19	46	21
20	Ch	eP	15	13	45
20	Wr	eP	20	24	11.0
		eS			41.8
	Ml	eP			31.4
		eS		25	18.6
	Qt	eP			15.7
		eS		26	35.3

H = 20 :23 :31
36°.4N, 71°.3E
Hindukush –
Depth about 160 km.

21	Ch	eP	05	05	18
21	Ch	eP	10	55	48 –
22	Kr	eP	03	08	44.6
22	Ch	eP	12	57	25

October, 1966

23	Qt	iP	00	00	22.2c
		eS			37.5

	Mu	Sec
Pz	0.03	0.7

Kr	eP	01	17.4
Wr	eP		19.1
	eS	02	15.3
Ml	eP	01	26.9
	eS	02	31.5

H = 00 : 00 : 02
29°.9N, 68°.2E
Near Duki, West Pakistan
Depth about 33 Km.
Mag≈4.6(Qt)

23	Ch	eP	07	19	18.0
23	Ml	iP	17	30	39.4c

Continuation:

October, 1966

24	Qt	eP	14	04	57.5
24	Qt	eP	14	33	34.8
		e(S)		36	28.2
	Wr	P		33	37
24	Qt	iP	18	55	09.3
25	Qt	eP	00	39	07.7
25	Qt	eP	01	00	26.7
25	Qt	iP	10	07	29.2d
		iS			49.4

	Mu	Sec
Pz	0.05	0.7

Wr	P	10	08	14
Lh	P			16
	S		09	36
Ch	(P)		11	57
	S		15	51

H = 10 :-07 : 02
28.8N, 68.9E
Near Kohlu, West Pakistan
Depth about 33 Km.
Mag≈4.9 (Qt)

October, 1966

25	Wr	P	17	13	36
		S		14	59
	Qt	e[illegible]		14	47.7
		e(S)		18	09.4
25	Qt	eP	18	14	07.2
25	Qt	eP	19	43	41.8
		eS		44	46.3
	Wr	P		43	46
25	Qt	iP	23	21	28.3c
		eS			52.4
	Wr	P		22	11
25	Qt	eP	23	26	17.7
		eS		27	38.5
26	Qt	eP	00	20	38.6
26	Qt	eP	08	34	20.7c
26	Qt	eP	20	18	46
27	Qt	eP	01	41	35
27	Qt	eP	05	47	07c
		eS		48	22
27	Lh	P	06	06	01
	Qt	iP			07c
		iX		07	49
		e(S)		12	47
		iX		16	10
	Kr	iP		06	54
	Ch	P		07	33
27	Qt	eP	14	16	11
27	Ch	P	14	29	58
		S		37	03
	Lh	P		31	35
		S		40	03
	Qt	iP		32	16d
		iS		41	24

	Mu	Sec
MH	5.3	20

△ = 70.3

	Kr	iP	14	32	30

Mag≈6.0(Qt)

27	Qt	eP	17	38	18

Onset Poor

27	Kr	P	20	10	42
	Qt	eP		11	03
		eS			50
27	Qt	eP	21	32	52
		eS		33	13
27	Qt	eP	22	38	43c
27	Qt	iP	23	56	49c
28	Qt	eP	01	54	50
28	Qt	eP	13	30	31.3

October, 1966

28	Qt	eP	22	41	23.0
29	Qt	eP	00	56	39.0
29	Qt	eP	01	15	18

Onset Poor

29	Qt	iP	02	46	46.8c
		eS		52	24.7
		ePcS			48.8
		eScS		57	00.2
	Wr	P		47	04
	Kr	P			06
29	Kr	P	09	00	23
	Qt	iP			24.4c
		iS			57.2
	Wr	P		01	37
		S		03	06
	Ch	P		04	56

H = 08 + 59 : 42
27.5N, 66.5E
Khuzdar, West Pakistan
Depth about 33 Km.
Mag≈4.7 (Qt)

29	Qt	eP	11	16	04.4
29	Wr	P	14	01	04
		S			41
	Qt	eP		02	15.2
		eS		03	30.5
29	Wr	P	14	47	43
		S		48	27
	Qt	eP			37.5
		eS		50	07.2
	Kr	P		49	43

H = 14 : 46 : 43
37.5N, 70.0 E
Tadzhik - Afghanistan border
Depth about 220 Km.

29	Qt	eP	15	51	29

Onset Poor

	Wr	P			53
30	Wr	P	00	50	54
	Qt	eP		51	31.8
30	Qt	eP	01	41	33.6d
30	Qt	eP	05	14	25.5
30	Qt	eP	15	32	41.7
30	Qt	eP	17	44	31.3
30	Qt	eP	19	14	22.7c
30	Qt	eP	22	41	19.2d
31	Qt	eP	00	09	19.2
31	Qt	eP	00	44	46.9c
31	Qt	eP	20	03	26.3c
31	Qt	eP	20	14	54.8d
31	Qt	iP	22	26	02.0d
		eS		27	18.0

(K. U. SIDDIQI)
for Director,
Meteorological Service.

International Seismological Centre

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P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____ November, 1966

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

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

Provisional Readings at Seismological Stations from 1st November to 8th Nov' 66.

Additional
October, 1966

25	Ml	eP	10	08	29.4
25	Ml	eP	17	13	35.1
27	Wr	eP	01	40	50.5
	Ml	eP		41	27.5
27	Wr	eP	05	46	06.5
		eS			36.0
27	Wr	iP	06	05	36.6c
	Ml	iP			48.5d
27	Ml	eP	14	31	37.3
		eS		40	14.3
	Wr	iP		31	46.6d
		eS		40	31.7
27	Ch	eP	17	33	42
27	Wr	eP	21	31	53.2
	Ml	eP		32	12.0
27	Ch	eP	22	36	27
27	Ch	eP	23	55	06
	Ml	eP	23	55	06
	Ml	eP		56	05.0
	Lh	eP			06.5
28	Ch	eP	01	52	54
29	Kr	eP	01	15	08.2
29	Ml	iP	02	47	22.6d
	Ch	iP		49	44 c
29	Lh	eP	09	01	40
		eS		03	05
	Ml	eP		01	46.5
		iS		03	21.4
29	Wr	iP	14	01	13.7d
		iS			40.5
	Ml	eP			35.4
		eS		02	18.4
	Qt	eP			15.2
		eS		03	30.5

H = 14 : 00 : 39
36°.4N, 70°.4E
HINDUKUSH
Depth about 160 km.

29	Ml	eP	14	48	08.7
		iS		49	09.7
	Lh	eP		48	51.0
		eS		49	42.0
	Ch	eP		52	06.0

October, 1966

29	Kr	eP	15	51	52.8
31	Wr	iP	22	24	59.5c
		iS		25	29.5
	Qt	iP		26	02.0d
		iS		27	18.0
	Kr	eP			05.5

H = 22 : 24 : 23
35°.6N, 71°.5E
HINDUKUSH
Depth about 223 km.

Continuation:
November, 1966

1	Qt	eP	03	46	07.0
		eX			55.0
1	Qt	iP	04	58	38.8c
		e(S)	05	09	34.2
1	Qt	eP	07	11	00.0
		eS		19	07.3
1	Qt	eP	13	36	09.7
1	Qt	eP	16	42	53.2
		eS		44	39.6
1	Wr	P	00	59	59
		S	01	00	41
	Qt	eP			48.8d
		eS		02	05.0
	Lh	P		00	57
		(S)		01	58

H = 00 : 59 : 07
37°.0N, 68°.6E
Tadzhik-Afghanistan border
Depth about 33 Km.

2	Qt	eP	10	20	06.0
		eS		21	38.3
2	Qt	eP	12	00	33.3d
2	Qt	eP	12	10	14 Onset Poor
2	Qt	eP	14	18	18.1c
2	Qt	eP	17	38	29.2
		eS		40	08.5
2	Qt	eP	18	11	07 Onset Poor
2	Qt	eP	20	13	10.3c
3	Qt	eP	00	36	18.5
		e(S)		37	16.1

..... 2

3	Qt	eP	00	43	17.1d	
3	Qt	eP	03	17	29	Onset Poor
3	Qt	eP	11	24	06	Onset Poor
3	Qt	eP	15	37	16.7	
3	Qt	eP	15	47	26.4	
3	Qt	eP	16	43	13.1	
3	Qt	eP	16	44	07.8	
		eX		50	00.0	
		eX		51	04.2	
		eS		53	44.0	
3	Qt	eP	20	24	16.6	
3	Qt	eP	21	20	41.5d	
3	Qt	iP	21	48	29.2c	
		eS		53	00.0	
3	Wr	P	06	00	37	
		S		01	03	
4	Qt	eP	07	30	58.2d	
4	Wr	P	09	02	48	
		S		04	17	
	Qt	eP			02.0	
		eS		06	23.2	
4	Wr	P	12	30	43	
	Qt	eP		31	34.3	
		e(S)		33	15.3	
4	Wr	P	22	17	48	
		S		18	22	
	Qt	eP		19	02.0	
		eS		20	14.0	
5	Qt	eP	02	25	16.1d	
	Wr	P			34	
5	Qt	eP	10	58	54.5d	
5	Qt	eP	13	04	06	Onset Poor
		eX		06	08.0	
		iX		22	22.2	
5	Wr	P	19	55	53	
		S		58	02	
	Qt	eP		56	31.0	
		eS		59	17.1	
6	Wr	P	01	30	46	
		S		32	15	
	Qt	eP		31	56.5	
6	Qt	eP	01	41	25.2	
6	Qt	eP	02	50	13	Onset Poor
6	Qt	eP	04	00	49.9	
6	Qt	eP	08	40	09.9	
6	Qt	eP	20	39	18.1	
		e(S)		40	37.8	
6	Qt	eP	21	57	37.3	

November, 1966

7	Qt	eP	00	49	34	Onset Poor
7	Wr	P	04	10	07	
		S		11	32	
	Qt	eP		11	09.0d	
		eS		13	04.0	
7	Qt	iP	09	05	47c	
7	Qt	eP	09	22	03	
		eS		24	02	
7	Qt	eP	13	28	22d	
		eS		37	58	
7	Qt	eP	17	56	35d	
7	Qt	eP	20	39	06c	
8	Qt	eP	02	12	44	
		eS		13	54	
8	Qt	iP	13	25	23.8c	
8	Wr	P	14	35	10	
		S		39	20	
	Qt	eP		35	39.9c	

(K. U. SIDDIQI)
for Director,
Meteorological Service.

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P A K I S T A N

No.SS-9(2)/63/ Quetta, the _____November, 1966.

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

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

Provisional Readings at Seismological Stations from 9th to 15th November, 1966

Additional
November, 1966

1	Ml	eP	16	41	56.5
		iS		42	52.0
2	Ml	eP	01	00	26.0
		eS		01	27.0
	Kr	eP		02	00.8
2	Wr	iP	10	19	00.0d
		iS			45.1
	Ml	eP			12.5
		iS		20	06.2
	Qt	eP			06.0
		eS		21	36.3

	Mu	Sec
PZ	.02	0.6

H = 10 : 18 : 35
37°.3N, 72°.3E
Tadzhik-Afghanistan Border
Depth about 200 km
Mag : 4.5 (Qt)

2	Wr	eP	17	37	29.8
		eS		38	07.0
	Ml	eP		37	28.0
		iS		38	21.5
	Qt	eP			29.2
		eS		40	08.5

H = 17 : 36 : 20
37°.5N, 73°.3E
Tadzhik - Afghanistan Border
Depth about 228 Km.

3	Wr	eP	21	20	39.4
4	Ml	eP	12	30	20.0
4	Wr	eP	22	17	47.8
		eS		18	02.0
	Ml	iP		17	56.2c
		iS		18	14.3
	Lh	eP			17.0
		eS		19	01.0
	Qt	eP			02.0
		eS		20	14.0

H = 22 : 17 : 20
35°.1N 72°.9E,
Swat Region, West Pakistan

November, 1966

6	Ml	eP	01	30	44.0
6	Ml	eP	20	38	10.7
7	Kr	eP	04	11	39.7
7	Wr	iP	09	05	26.3c
7	Wr	eP	09	20	52.8
8	Wr	eP	13	28	42.8

Continuation:
November, 1966

9	Qt	eP	01	43	31.9
9	Wr	P	10	13	07
	Qt	eP		14	03.3
		eS		15	47.9
9	Wr	P	10	49	42
		S		50	23
	Qt	eP			46.9
		eS		51	16.6
9	Qt	eP	11	35	25.3c
9	Qt	eP	14	22	04.7d
9	Qt	eP	21	06	02.5
		eS		07	20.6
10	Qt	iP	00	28	47.6d
		eS		29	42.8
10	Qt	eP	03	21	55.9c
	Wr	P		22	00
10	Qt	iP	05	16	50.8d
10	Qt	eP	05	58	56
			Onset Poor		
10	Qt	eP	07	00	45.8
10	Qt	eP	13	52	33.5
10	Qt	eP	16	47	46.8d
11	Qt	iP	15	43	34.9c
		eS		54	01.5

	Mu	Sec
PZ	0.10	1.2
MH	2.3	20

△ = 85°.3
Mag = 5.9(Qt)

11	Qt	eP	16	14	14.6c
11	Qt	eP	17	30	21.8

November, 1966

11	Qt *	eP	19	46	37.4
		eS		48	07.3
11	Qt	eP	22	53	08.1d
12	Qt	eP	08	30	22.8
		eS		31	56.0
12	Qt	eP	09	11	47.8d
12	Qt	eP	12	09	37
			Onset Poor		
12	Qt	eP	12	18	04
		eS		19	13
	Wr	P			02
12	Wr	P	12	59	22
	Qt	iP	13	00	00.0c
		eS		00	24.2

	Mu	Sec
MH	= 11.1	20
△	= 62°.6	
Mag=	6.0(Qt)	

12	Wr	P	16	07	18
	Qt	iP			34.5d
12	Qt	eP	17	44	37.9
12	Qt	eP	18	59	13.8
		ePP	19	02	38.3
		iS		09	56.5

	Mu	Sec
MH	8.9	20
△	= 86°.7	
Mag=	6.2(Qt)	

12	Qt	eP	20	54	13.3
13	Qt	eP	03	11	06.0d
13	Qt	eP	03	52	53.4d
13	Ml	P	21	01	01
		S			23
	Qt	eP			55.1
		eS		02	59.0
13	Qt	eP	21	21	32.3
13	Qt	eP	21	35	22.8c

November, 1966

14	Qt	eP	03	16	01.5
14	Qt	eP	14	09	26.0d
15	Qt	iP	00	20	13.3c
15	Qt	eP	07	09	31 Onset Poor
15	Qt	eP	10	35	31.8d
15	Qt	eP	16	31	22.6c
15	Qt	eP	16	36	17.4
15	Qt	eP	17	20	40.3d
15	Qt	eP	20	17	30.5
15	Qt	eP	20	37	38.8
15	Qt	eP	22	26	17.3d
15	Qt	eP	22	29	19.7d

(K. U. Siddiqi)
for Director,
Meteorological Services

International Seismological Centre

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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

International Seismological Centre

No.SS-9(2)/63/1782 Quetta, the 29th November, 1966

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

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

Provisional Readings at Seismological Stations from 16th to 23rd November, 1966.

Additional
November, 1966

9	Ml	eP	10	13	26.3
9	Wr	eP	10	49	41.9
		eS		50	23.1
	Ml	eP		49	57.0
		iS		50	49.2
	Qt	eP			46.9
		e(S)		52	16.6

	Mu	Secs
PZ	.02	0.7

H = 10 :48 :49
37°.2N, 71°.9E
Tadzhik, S.S.R.
Depth about 220 Km
Mag: 4.5(Qt)

10	Wr	eP	00	27	44.6
10	Ml	eP	03	22	07.3
	Ch	eP			25.0
10	Kr	eP	16	47	45.9
11	Ch	eP	15	43	01
		eS		52	53
12	Ch	eP	12	08	39
	Ml	iP		09	57.1c
12	Kr	eP	12	16	59.7
	Ch	eP		21	41.0
12	Ch	iP	12	58	19.0c
		eS	13	05	12.0
	Lh	eP	12	59	17.0
	Kr	eP	13	00	17.0
12	Ch	eP	16	04	54.0
12	Ch	eP	18	57	25.0
13	Lh	eP	21	00	43.0
		iS			51.0
	Ml	iP		01	01.9c
		iS			23.4
	Wr	eP			18 ±
	Qt	eP			55.1
		eS		02	59.0

H = 21 : 00 : 29
31°.4N, 73°.6E
About 50 Miles West of Lahore, West Pakistan. Depth about 33 Km.

14	Ch	eP	03	13	06
	Wr	eP		15	58.2
15	Wr	eP	07	08	16
	Ml	eP			24.4
15	Kr	eP	10	35	18.0

Continuation
November, 1966

16	Qt	eP	00	21	32.4
		eS		23	00.0
16	Qt	eP	00	45	33.8
16	Qt	eP	02	10	19.2c
16	Qt	eP	02	13	06.7
16	Qt	eP	18	26	14.1
16	Qt	eP	20	54	50.6c
16	Qt	iP	23	28	37.9c
17	Qt	eP	04	30	37.3
		eS		31	47.9
17	Qt	eP	14	06	14.6c
17	Qt	eP	14	54	04.0
17	Qt	eP	14	55	26.7c
17	Qt	eP	15	25	15.3
17	Qt	eP	16	07	11.0d
17	Qt	eP	17	23	38.3
		eS		25	07.0
17	Qt	eP	19	37	56.5
17	Qt	eP	19	47	29.2
17	Qt	eP	20	02	51.5
17	Qt	eP	21	39	21.1
18	Qt	eP	00	38	06.0
18	Qt	eP	02	16	41.3
18	Qt	eP	09	32	16.8
		eI		34	26.2
18	Qt	eP	17	49	37.4
		eS		50	54.9
18	Qt	eP	18	17	12.1
18	Qt	eP	18	58	02.1
18	Qt	eP	19	57	04.5c
19	Qt	iP	05	30	03.0c
19	Qt	eP	07	19	45.7
		eS		25	34.3
	Wr	P		20	06
		(S)		26	06
19	Wr	P	07	40	48
	Qt	eP		41	25.2
19	Wr	P	07	48	02
		S		51	03
	Qt	eP		48	18.7c
19	Qt	eP	11	44	51.0
19	Qt	eP	14	24	20.1
19	Qt	eP	17	54	27.7
19	Qt	eP	18	29	58.9
		e(S)		47	49.0
	Wr	P		40	03
19	Qt	eP	18	52	33.3
19	Wr	P	19	06	24
		S			59
	Qt	eP		07	29.3
		eS		08	52.5

November, 1966

19	Wr	P	20	30	19
		eP		31	20.5
		eS		32	34.6
19	Qt	eP	23	16	06.5
20	Qt	eP	00	36	46.2
		eS		37	09.1
20	Qt	eP	03	00	56.5
		eS		02	36.3
20	Qt	eP	04	34	45
			Onset Poor		
20	Qt	eP	05	22	12.0
		eS			29.0
	Wr	P		23	09
20	Qt	eP	05	59	18.8d
20	Qt	iP	09	42	12.9c
20	Qt	eP	17	07	28.7
20	Qt	eP	19	13	29.2
20	Qt	eP	21	25	59.3d
20	Qt	eP	22	49	56.0c
20	Qt	eP	23	36	29.4c
		eS		37	21.2
21	Qt	eP	11	31	05.3
21	Qt	eP	12	30	10.4
21	Qt	eP	18	09	15.5
		eS		10	34.9
22	Qh	P	06	38	11
		S		44	49
	Wr	P		39	01
		S		46	06
	Qt	eP		39	17.3
		eS		47	13.1
22	Qt	eP	07	26	57.5c
22	Qt	eP	08	02	57.7
	Wr	P		03	44
22	Qt	eP	08	34	38.7
		eS			58.0
	Wr	P			54
22	Qt	eP	09	04	00.0
22	Qt	eP	16	06	41.5d
22	Qt	eP	19	47	59.0c

* Wr S 45

November, 1966

22	Qt	eP	22	44	50.9
23	Qt	eP	02	33	21.8
		eS		44	04.0

	Mu	Sec
MH	1.7	20

△ - 93°.8

Mag- 5.8(Qt)

23	Qt	eP	08	21	22.4
		eS		22	42.9
23	Qt	eP	17	32	33.8

(K. U. Siddiqi)
for Director,
Meteorological Service.

International Seismological Centre

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____ December, 1966.

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

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

Provisional Readings at Seismological Stations from 24th to 30th November, 1966.

Additional
November, 1966

16	Wr	eP	00	20	26.5
		eS		21	03.5
	Ml	eP		20	43.7
		iS		21	33.6
	Qt	eP			32.4
		eS		23	00.0

H = 00 : 19 : 39
37°.0N, 71°.5E
Hindukush
Depth about 160 Km.

16	Ch	eP	20	53	31
	Lh	eP		54	12.6
16	Ch	eP	28	28	04
	Ml	eP			08.6

17	Wr	eP	04	29	41.1
		eS		30	11.6
17	Wr	eP	17	22	33.0
		iS		23	08.3
	Ml	iP		22	50.5c
		iS		23	40.5
	Qt	eP			36.3
		eS		25	07.3

H = 17 : 21 : 46
36°.7N, 71°.7E
Hindukush, Depth about 220 Km.

18	Wr	eP	17	48	37.3
		iS		49	07.6
18	Wr	eP	25	29	24.9
19	Kr	eP	07	20	03.5
19	Ch	eP	07	43	49
19	Lh	eP	18	40	13
19	Wr	eP	18	51	29.3

November, 1966

19	Wr	iP	19	06	23.9d
		iS			59.3
	Ml	iP			43.2
		iS		07	32.2
	Lh	eP			03.3
		eS		08	08.0
	Qt	eP		07	29.3
		eS		08	52.5

	Mu	Sec
PZ	.02	0.5

H = 19 : 05 : 38
36°.8N, 71°.6E
Hindukush
Depth about 160 Km
Mag: 4.9(Qt)

19	Wr	iP	20	30	19.2d
		iS			44.8
	Ml	eP			42.4
		iS		31	26.3
	Qt	eP			20.3
		eS		32	34.6

	Mu	Sec
PZ	.01	0.5

H = 20 : 29 : 45
35°.8N, 70°.7E
Hindukush
Depth about 160 Km.
Mag : 4.5(Qt)

20	Wr	eP	03	00	21.3
		iS			49.9
	Ml	eP			53.2
		iS		01	44.3
	Qt	eP		00	56.5
		e(S)		02	36.3

H = 02 : 59 :45
34°.7N, 68°.7E
Eastern Afghanistan
Depth about 33 Km.

November,1966

20	Qt	eP	05	22	12.0
		eS			29.0
	Kr	eP		23	07.5
	Wr	eP			08.9

H = 05 : 21 : 50
29°.2N, 68°.3E
Near Duki,West Pakistan
Depth about 33 Km.

20	Kr	eP	23	36	29.4
	Wr	eP		37	32 +
	Ml	eP		38	04.I
21	Wr	eP	12	29	34.1
21	Wr	eP	18	08	09.1
		iS			39.7
	Ml	eP			30.2
		eS		09	13.8
	Qt	eP			15.5
		eS		10	34.8

H = 18 : 07 : 29
36°.5N, 71°.3E
Hindukush
Depth about 200 Km.

22	Ml	eP	06	38	45.5
	Lh	eP			49.0
22	Wr	eP	08	35	43.9
23	Ch	eP	02	31	36

Continuation.
November,1966

24	Qt	eP	07	06	22.2
24	Qt	eP	07	50	52.9d
24	Qt	eP	17	05	50.8c
24	Qt	eP	19	13	55.0
		eS		15	12.5
25	Wr	eP	19	34	36
	Qt	eP			53.9
		eS		36	25.2
25	Wr	P	20	33	27
		S		34	53
	Qt	eP			29.6
		eS		36	45.6
26	Qt	eP	21	10	40.3c
26	Qt	eP	02	37	42.8c
	Wr	P			53
26	Qt	eP	03	33	24.7
26	Qt	eP	13	51	57.8
		eS		54	56.4
	Wr	P		52	07
26	Qt	eP	21	59	50.6
27	Qt	eP	04	23	25.2
27	Qt	eP	12	58	52.7
27	Qt	eP	13	52	20.6
		eS	14	01	25.9
27	Wr	P	20	22	11

November,1966

27	Wr	P	20	22	11
	Qt	eP			32.9
		eS		30	16.2

	Mu	Sec
MH	4.1	20

△ = 55°.8
Mag= 5.8(Qt)

28	Qt	eP	07	52	09.1
29	Qt	eP	09	29	44c
		eS		36	32
29	Qt	iP	10	12	40d
		eS		13	58
29	Qt	eP	14	35	44
		eS		36	38
29	Qt	eP	17	26	50
29	Qt	iP	20	15	30d
29	Qt	eP	22	35	59
29	Qt	eP	23	18	47c
30	Qt	eP	00	43	15c
30	Qt	eP	07	35	12.3c
30	Qt	eP	13	09	58.2
30	Qt	eP	14	28	14.2
30	Qt	eP	21	00	07.5
		eS		01	10.5
30	Qt	eP	21	26	28.8
30	Qt	eP	22	23	14.2

(K.U.Siddiqi)I.T.,
for
Director,Meteorological Service.

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International Seismological Centre

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the Dec. 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 1st to 8th December, 1966

Additional
November, 1966

24	Wr	iP	19	13	01.2d
		eS			34.7
	Ml	iP			24.5
		iS		14	15.0
	Qt	eP		13	55.0
		eS		15	12.5

H = 19 12 17
35°.3N, 70°.2E
Hindukush
depth about 223 km.

25	Ml	eP	19	34	15.6
	Ch	eP		39	49±
25	Ml	iP	20	33	41.3d
27	Wr	iP	13	51	53.7
29	Wr	eP	09	29	56.4
29	Wr	iP	10	11	47.2d
		eS		12	21.3
	Ml	iP			10.5c
		iS		13	02.0
	Qt	iP		12	40d
		eS		13	58

	Mu	Sec
PZ	.04	0.5

H = 10 11 02
36°.3N, 70°.1E
Hindukush
depth about 223 km.
Mag:- 4.7(Qt)

Continuation
December, 1966

1	Qt	eP	00	42	45.6
		eP		47	08.1
1	Qt	eP	04	42	05.8d
1	Lh	P	05	10	27
		S		20	53
	Wr	eP		10	33
	Qt	eP			55.1
		e(S)		21	30.2
1	Qt	e(P)	05	14	09
		on set poor			
1	Wr	P	07	59	29
		S	08	08	27
	Qt	eP			31.3
		eS		02	15.6
1	Qt	eP	15	13	51.5

December, 1966

1	Qt	eP	16	13	59.2
1	Wr	P	16	52	43
		S		53	33
	Ml	P		52	53
		S		53	50
	Qt	iP			51.9c
		eS		55	37.3

	Mu	Sec
PZ	0.02	0.6

H= 16 51 38
38°.0N, 73°.5E
Tadzhik, S.S.R.
depth about 220 km.
Mag :- 4.5(Qt)

1	Lh	P	19	05	18
	Wr	P			25
		S		12	42
	Qt	iP		06	03.7d
		eS		13	50.0

	Mu	Sec
PZ	0.2	1.1

△ = 56°.3
Mag :- 6.1 (Qt)

2	Qt	eP	03	10	35.2d
		e(S)		12	50.2
2	Wr	P	09	41	24
		S		49	41
	Qt	iP		41	42.6c
		eS		50	14.1
2	Qt	eP	17	39	38.8
		eS		40	56.0
3	Qt	eP	11	30	37.2
3	Qt	eP	14	20	33.0
		eS		23	02.3
3	Qt	eP	14	30	30.7d
	Wr	P		31	14
3	Qt	eP	15	20	49.1
3	Qt	eP	15	57	58.1
3	Wr	P	17	58	55
		S		59	35
	Qt	eP			10
		on set poor			
		eS	18	00	38.5
4	Wr	P	05	19	26
		S			53
5	Qt	eP	07	32	32.6

December, 1966

5	Qt	eP	11	10	10.6
		eS		11	28.7
5	Qt	eP	11	28	30.3
		e(S)		29	47.9
5	Qt	eP	14	21	22.9c
5	Qt	eP	22	41	17.9d
5	Qt	eP	23	35	54.7c
6	Qt	eP	02	32	28.4
		eS		34	14.0
6	Qt	eP	03	34	04.5
6	Qt	eP	05	44	56.9
6	Wr	P	07	29	12
	Qt	eP			46.9
6	Qt	eP	10	54	53.7
6	Qt	eP	13	48	43.4
		eS		49	43.4
6	Wr	P	23	30	35
		S		31	09
	Lh	P			16
		S		32	21
	Qt	eP		31	28.2
		eS		32	44.0

Mu	Sec
PZ .01	0.5

H = 23 29 50
36°.1N, 70°.3E

Hindukush
depth about 250 km.
Mag:- 4.3(Qt)

7	Qt	eP	07	00	02.5
7	Wr	P	17	10	26
	Qt	eP			51.8c
7	Lh	P	17	27	51
		S		36	02
	Wr	P		27	53
		S		36	14
	Qt	iP		28	29.6d
		eS		37	27.2

Mu	Sec
PZ 0.08	1.0
MH 1.6	20

△ = 68°.5
Mag:- 5.7(Qt)

December, 1966

7	Wr	P	23	26	21
		S			56
	Lh	P		27	04
		S		28	08
	Qt	iP		27	15.1c
		iS		28	31.7

Mu	Sec
PZ 0.01	0.5

H = 23 25 37
36°.2N, 70°.1E
Hindukush
depth about 223 km
Mag:- 4.3(Qt)

8	Qt	eP	02	07	49.4
		eS		08	14.1

Mu	Sec
PZ 0.06	0.5

	Wr	P	02	08	23
	Lh	P			33
		S		09	33

H = 02 07 16
30°.3N, 69°.0E
Near Duki(West Pakistan)
Mag:- 5.1(Qt)

8	Qt	eP	11	38	52.1
8	Qt	iP	12	42	15.8d
		eX		43	29.7
		e(S)		51	54.0
8	Qt	eP	15	14	06.5
		eS		23	12.0

Mu	Sec
MH 3.2	20

△ = 69°.9
Mag:- 5.9(Qt)

8	Qt	eP	20	55	55
		on set poor			
		eS		57	30.0
8	Qt	eP	21	45	05.4
		eS		46	28.5

(K.U.Siddiqi)
T.I.;
for DIRECTOR,
Meteorological Services

International Seismological Centre

Wish a Merry Christmas & Happy New Year for you and the staff at your Institution.

International Seismological Centre

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 20th December, 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 from9th to 15th December, 1966.

Additional
December, 1966

1a	Lh	eP	00	42	08
	Ml	eP			15.5
	Wr	eP			31.6d
1	Ml	iP	19	05	17.7d
2.	Wr	eP	03	11	42.4
2	Lh	eP	09	41	03
2	Wr	eP	17	38	35.9
		eS		39	03.1
	Ml	eP		38	59.6
		eS		39	42.8
	Qt	eP			38.8
		eS		40	56.0

H = 17 : 37 : 59
36°.2N, 70°.8E
Hindukush
Depth about 160 Km

3	Wr	eP	14	21	26.5
3	Ml	eP	17	59	15.0
4	Ml	eP	05	19	46.9
		eS		20	30.4
5	Wr	eP	11	09	13.5
		eS			45.3
	Ml	eP			41.2
	Qt	eP		10	10.6
		eS		11	28.7

	Mu	Sec
PZ	.01	0.6

H = 11 08 30
36°.6N, 70°.0E
Hindukush
Depth about 160 Km
Mag : 4.4 (Qt)

6	Ml	iP	02	32	04.3d
6	Ml	iP	23	30	56.8d
		iS		31	49.2

December, 1966

7	Ml	eP	17	27	47.0
	Kr	eP		28	43.2
7	Ml	iP	23	26	44.3d
		iS		27	35.5
8	Wr	eP	11	39	04.2
8	Wr	eP	12	43	13.5
8	Wr	eP	15	13	30 +
8	Ml	eP	21	44	20.6
		iS		45	06.3

Continuation
December, 1966

9	Qt	eP	04	26	36.8
		eS		29	20.0
9	Qt	eP	04	30	48.3
		eS		32	22.8
9	Qt	eP	15	06	52.0
9	Qt	eP	16	55	50.5c
9	Qt	eP	17	24	01.4
9	Qt	eP	21	39	52.6
		eS		41	13.6
10	Qt	eP	10	57	48.2
		eX	11	00	48.9
10	Qt	eP	13	25	30.4
		eX		29	09.8
10	Qt	eP	17	14	33.5c
10	Qt	eP	18	20	30.9
		eS		30	46.8
10	Qt	eP	20	22	06.4
		eS		23	09.0
10	Qt	eP	21	30	52
			Onset Poor		
11	Qt	eP	00	02	54.5
		eS		04	16.5
11	Qt	eP	02	19	47.6
11	Qt	eP	19	57	48.9c
11	Qt	eP	20	03	42.1
		eS		13	20.9

December,1966

11	Qt	eP	20	13	54
			Onset Poor		
11	Qt	eP	20	19	56.2c
11	Qt	eP	21	05	11.3
12	Qt	eP	17	36	50
12	Qt	eP	18	12	29
12	Qt	eP	22	08	55
		eS		10	16
12	Qt	eP	22	35	01
12	Qt	eP	22	57	12
		eS		58	22
13	Qt	eP	10	21	12.8d
13	Wr	P	12	21	56
		S		22	29
	Lh	P			31
		(S)		23	40
	Qt	iP		22	58.7c
		iS		24	13.5

	Mu	Sec
PZ	0.09	0.7

H = 12 21 22
35.4N, 71.6E
Pakistan-Afghanistan border region
Depth about 223 Km.
Mag = 5.0(Qt)

13	Wr	P	16	01	59
	Qt	eP		02	40.8
13	Wr	P	23	12	14
		S			48
	Qt	eP		13	08.5
		eS		14	26.7
14	Qt	iP	03	55	45.8d
		eS	04	05	29.7
14	Qt	eP	11	14	24.7c
14	Qt	eP	14	56	41.1
14	Qt	eP	16	47	32.4
14	Qt	eP	19	39	42.5d
14	Ch	P	21	17	42
		S		25	37
	Lh	P		19	30
		S		29	08
	Wr	P		19	47
		S		29	41
	Kr	P		19	55
		(S)		30	03
	Qt	iP		20	03.7c
		eS		30	08.2

	Mu	Sec
PZ	0.1	0.9
MH	5.9	20

$\triangle = 81^{o}.0$
Mag= 6.0(Qt)

14	Qt	eP	21	38	29
			Onset Poor		
14	Qt	eP	21	46	33
			Onset Poor		
14	Qt	eP	22	06	57.2

December,1966

15	Ch	P	02	08	44
		S		09	10
	Lh	P		12	36
		S		16	19
	Wr	P		13	10
		S		17	25
	Kr	P		13	31
	Qt	iP			30.9d
		eS		17	51.0

	Mu	Sec
PZ	0.08	1.0

H = 02 : 08 : 08
21.9N, 93.9E
BURMA
160 miles East of Chittagong
Mag = 5.3(Qt)

15	Wr	P	03	15	21
	Qt	eP		16	22.7
		eS		17	36.7
15	Qt	eP	14	44	33.6
15	Qt	eP	19	46	52
			Onset Poor		
15	Qt	eP	23	36	42.0

(K. U. Siddiqi)I.T.I.,
for Director,
Meteorological Service.

International Seismological Centre

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ Quetta, the 27th December, 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 16th to 23rd December, 1966.

Additional
December, 1966

9	Wr	eP	16	55	29
	Kr	eP		56	12.5
9	Wr	eP	21	38	47.6
		eS		39	16.8
	Ml	eP			10.0
		eS			56.0
	Qt	eP			52.6
		eS		41	13.6

H = 21 : 38 : 08
36°.4N, 71°.0E
Hindukush
Depth about 160 Km.

10	Wr	eP	10	57	58.3
10	Wr	iP	13	25	39.9c
	Kr	eP			48.4
10	Wr	eP	17	14	47.7
10	Lh	eP	18	20	01
		eS		29	44
	Ml	iP		20	15.9d
	Kr	eP			26.9
10	Wr	eP	20	21	06.8
		eS			18.1
11	Ml	eP	00	02	15.5
		iS		03	05.0
11	Lh	eP	20	03	02
	Wr	eP			15.8d
	Kr	eP			47.3
11	Lh	eP	20	19	15
	Ml	eP			19.5
	Wr	eP			29.9
	Kr	eP			59.1
12	Ml	eP	22	08	17.5
		iS		09	03.5
13	Ml	iP	12	22	10.6d
	Kr	eP		23	59.2
14	Wr	eP	11	13	48
14	Ml	eP	21	19	35.8
15	Ml	eP	02	12	47.6

Continuation
December, 1966

16	Qt	eP	06	19	14.6
		eS		20	31.0
16	Qt	eP	08	18	35.3
		e(S)		20	05.3
16	Qt	eP	10	17	09.9
16	Lh	P	20	53	46
		(S)		54	45
	Wr	P			28
		S		56	06
	Qt	eP		55	06.5
		iS		57	16.0

		Mu	Sec
	PZ	0.1	0.6
Ch	P	20 55	12
	(S)	57	19

H = 20 : 52 : 20
29.7N, 80.7E
Nepal - India border
Depth about 33 Km.
Mag = 6.2(Qt)

16	Wr	P	22	15	06
		S		16	45
	Qt	eP		15	45.0
		eS		17	54.1
17	Qt	eP	00	45	44.4
		e(S)		47	50.9
17	Qt	eP	01	44	45.0
	Wr	P		45	04
		S		46	44
17	Qt	eP	06	09	09.2d
17	Qt	eP	06	44	55.5
		eX		46	32.9
17	Qt	eP	07	57	24.7
18	Qt	eP	00	43	25.5
18	Qt	eP	05	02	47.6c
		eS		06	47.0
18	Qt	eP	06	34	58.0d
18	Qt	eP	07	49	03.4
18	Qt	eP	10	05	15.7c

18	Qt	eP	11	41	23
			Onset Poor		
18	Qt	eP	13	45	26.3
18	Qt	eP	22	45	32.0
		eS		47	35.9
18	Qt	eP	23	26	09.7
19	Qt	eP	01	23	38.3
19	Qt	eP	04	32	15.1
19	Qt	eP	16	28	49.6
		eS		30	37.7
19	Qt	eP	19	49	20.6
		eS		51	26.3
20	Qt	eP	00	38	34.6
20	Qt	eP	02	46	15
			Onset Poor		
20	Qt	eP	08	14	48
20	Qt	eP	12	45	00.5
	Lh	P			20
	Qh	P			46
20	Qt	eP	12	47	50.7
20	Qt	eP	15	12	50.2
		eS		14	44.8
20	Qt	eP	15	47	21.9
20	Qt	eP	15	59	25.7
20	Ch	P	16	27	39
	Wr	P		30	08
		S		38	17
	Qt	iP		30	19.2c
		eS		38	38.9
20	Ch	P	18	45	46
		S		50	39
	Lh	P		48	14
		S		54	53
	Wr	P		48	30
	Qt	eP			55.5c
		eS		56	25.2

	Mu	Sec
PZ	5.2	20

$\triangle = 53^{\circ}.5$
Mag= 5.9(Qt)

20	Qt	eP	22	01	41.8d
21	Qt	eP	00	13	40.8
21	Qt	eP	07	07	16.1
21	Wr	P	09	05	58
	Qt	eP		06	07.3c
21	Qt	eP	09	10	05.0
		eS		18	04.2
21	Wr	P	10	08	14
		S			47
	Qt	eP		09	10.2c
		eS		10	29.9
21	Qt	eP	11	48	09.3d
21	Qt	eP	13	11	38
			Onset Poor		
21	Qt	eP	16	43	38.9
		eS		44	57.0
21					

21	Lh	P	22	12	28
		S		13	32
	Wr	P		14	11
		S		14	51
	Qt	P		13	48.7
		S		15	58.9

H = 22 : 11 : 00
29°.7N, 80°.8E
Nepal - India border
Depth about 33 Km.
Mag = 5.6(Qt)

22	Qt	eP	05	29	55.8
22	Qt	eP	06	01	19.6
22	Qt	eP	12	31	54.0
		eS		33	17.9
22	Qt	eP	17	36	57.8
22	Qt	eP	17	42	56.3
		eS		44	13.3
22	Qt	eP	19	34	49.0
22	Qt	eP	23	37	00.5
23	Qt	eP	00	41	27.7d
		eS		43	12.3
23	Wr	P	02	12	01
		S		12	30
	Qt	eP		13	06.2
		eS		14	25.9
23	Qt	eP	04	11	54.9
		eS		13	18.7
23	Qt	eP	13	43	29.8c
23	Qt	eP	15	04	45.9d
23	Lh	P	16	02	28
		S		12	27
	Wr	P		02	44
		S		12	58
	Qt	iP		03	00.3c
		eS		13	21.3
23	Wr	P	20	08	09
		S			52
	Qt	P			52.3
		S		09	35.5

(K.U.SIDDIQI)T.I.,
for Director,
Meteorological Services.

International Seismological Centre

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

P A K I S T A M

International Seismological Centre

No.SS-9(2)/63/ Quetta, the _____ January, 1967

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 31st December, 1966.

Additional
December, 1966

16	Wr	eP	06	18	20.1d
		eS			55.2
16	Ml	iP	08	17	49.2d
16	Ml	eP	20	54	01.1
		eS		55	19.5
17	Wr	eP	00	45	03.8
18	Ml	eP	05	01	57.2
	Lh	eP		02	15
	Wr	iP			47.9d
	Ch	eP		04	10
19	Ml	eP	01	22	09.0
	Wr	eP			44.0
19	Wr	eP	16	27	40.6
19	Wr	eP	19	48	36
20	Wr	iP	12	45	11.1c
	Ml	iP			16.9d
20	Ml	iP	15	11	29.6c
		iS		12	19.5
20	Ml	iP	16	29	54.5d
		iS		37	51.5
20	Ml	eP	18	48	24.0
21	Ml	eP	00	13	47.8
21	Wr	eP	10	08	13.8d
		eS			47.3
	Ml	eP			34.3
		iS		09	25.7
	Qt	eP			10.2
		eS		10	29.9

	Mu	Sec
PZ	0.01	0.6

H= 10 : 07 : 28
36°.2N, 70°.7E
Hindukush
Depth about 287 Km
Mag: 4.4(Qt)

21	Wr	eP	16	42	39.9
		eS		43	12.0

December, 1966.

22	Ml	eP	22	31	54.5
		iS		33	20.0
23	Ml	iP	60	40	29.6d
		iS		41	25.0
23	Wr	eP	02	12	01.2
		iS			29.5
	Ml	eP			23.6
		iS		13	09.1
	Qt	eP			06.2
		eS		14	25.9

H = 02 : 11 : 23
36°.3N, 71°.2E
Hindukush
Depth about 160 Km.

23	Wr	eP	04	10	46±
23	Ch	iP	16	00	47c
		iS		09	11
	Ml	iP		02	34.3c
		iS		12	39.6

Continuation:
December, 1966

24	Qt	eP	00	07	17 Onset Poor
24	Qt	eP	06	11	46.8
24	Qt	eP	17	02	13.2
		eS		03	34.5
24	Qt	eP	19	33	46.7
		e(S)		34	59.0
24	Qt	eP	21	04	11.7
		eS		06	06.2
24	Wr	P	22	40	53
	Qt	eP		41	18.4
25	Qt	eP	05	46	31.0
25	Qt	eP	05	47	18.8
	Wr	P		48	14
		S		55	16
25	Qt	eP	05	54	21.2
25	Qt	eP	13	00	23.2
25	Qt	eP	14	39	12.5

25	Wr	P	17	07	53
	Lh	P		08	37
		(S)		09	57
	Qt	iP		08	49.5c
		eS		10	00.5

	Mu	Sec
PZ	0.03	0.7

H = 17 : 07 : 17
35°.5N, 70°.4E
Hindukush
Depth about 223 Km.
Mag= 4.7 (Qt)

25	Qt	eP	20	33	53 Onset Poor
25	Qt	iP	23	15	16.4c
26	Qt	eP	01	20	49.2
26	Wr	P	01	28	43
		S		29	12
	Ml	P			09
		S			57
	Lh	P			26
		S		30	30
	Qt	iP		29	34.6d
		eS		30	47.0

	Mu	Sec
PZ:	0.23	0.5

H = 01 : 28 : 03
35°.6N, 69°.9E
Hindukush
Depth about 223 Km.
Mag = 5.3(Qt)

26	Qt	eP	03	40	55.9
		eS		41	55.2
26	Qt	eP	04	26	08.2d
26	Qt	eP	17	30	00.0
		eS		31	19.2
26	Qt	eP	23	51	22.5
27	Wr	P	01	31	48
	Qt	eP		32	23.5c
27	Qt	eP	05	54	36.8
27	Qt	eP	08	10	24.5
27	Qt	eP	13	12	00.7
27	Qt	eP	16	09	10.4
27	Qt	eP	17	41	42.3
27	Qt	eP	21	41	21.7c
27	Qt	eP	21	44	38.3
28	Qt	eP	04	04	48.5d
28	Qt	eP	06	27	42.3
		eS		28	00.0
	Wr	P			38
28	Qt	eP	08	35	04.0
		ePKP		37	33.3
		ePP		40	53.0
		eSS		59	36.0
	Wr	PKP		37	43
	Lh	PKP			48
		PKP			50

28	Ml	P	22	56	10
		(S)			32
	Qt	eP		57	37.3
29	Qt	eP	00	39	28.2
29	Qt	eP	02	07	56.5
	Wr	P		08	05
29	Qt	eP	07	05	07 Onset Poor
29	Wr	P	08	59	37
		S	09	00	51
	Qt	eP			45.6
29	Qt	eP	11	46	23.2
	Wr	P			34
29	Qt	eP	12	16	33.8
29	Qt	eP	13	12	06.3d
29	Qt	eP	15	06	14.5d
29	Qt	iP	21	35	42.8c
		iS		36	00.4

	Mu	Sec
PZ	0.18	0.5

Wr	P	21	36	34
	S		37	34
Ml	(P)		36	50

H = 21 : 35 : 19
29.8N, 68.8E
Kohlu-Duki area
Depth about 33 Km.
Mag = 5.6 (Qt)

29	Qt	eP	22	36	31.9
	Wr	P			37
29	Qt	eP	23	35	25.3
30	Qt	eP	00	59	37.2d
30	Ch	P	04	31	32
		S		36	55
	Wr	P		34	04
		S		41	35
	Qt	iP		34	13.0c
		eS		41	54.5
30	Qt	eP	10	13	00 Onset Poor
	Wr	P			13
30	Qt	eP	12	49	52.1
30	Qt	iP	15	52	59.5d
		eS		54	20.0
30	Qt	eP	18	02	35.8c
31	Qt	eP	00	36	49.9c
		iX		37	28.7
31	Wr	P	18	21	01
	Qt	eP			49 Onset Poor
31	Qt	eP	18	37	05.6
31	Ch	P	18	35	16
		S		45	29
	Lh	P		36	37
	Wr	P			53
	Qt	eP		37	31 Onset Poor
		iX		48	05.2
31	Ch	P	22	27	31
		S		37	29
	Wr	P		29	08
	Qt	eP			25.2c

(K.U.Siddiqi)
for Director,

International Seismological Centre