24 JAN 1968

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

P A K I S T A N

(15)

International Seismological Centre

No.SS-9(2)/68/262 Quetta, the 20th January, 1968

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 JANUARY 1968

Additional

January, 1968

2	Ch	iP	00	31	54d
	Lh	eP		33	33
		eS		43	51
	Ml	iP			39d
2	Wr	eP	09	51	51.2
2	Wr	eP	23	04	08.4
3	Ch	eP	02	36	37
3	Wr	iP	04	18	14.1d
4	Kr	eP	01	10	32.2
4	Ch	eP	10	23	26
4	Ch	eP	10	38	16
4	Wr	iP	19	15	15.1c
	Ml	iP		16	10.1c
		i(S)			48.5
5	Lh	eP	06	44	07
		eS		45	00
	Ml	e(P)		44	10.5
	Qt	eP		45	19.3
		e(S)		47	47.5
5	Wr	eP	15	40	10.6
	Ml	eP			34.9
6	Wr	iP	06	54	58.1d
6	Wr	eP	07	07	07.6
		eS			48.6
	Ml	eP			33.9
		eS		08	22.0

January 1968

6	Wr	eP	11	41	59.5
6	Ch	eP	13	09	02
6	Kr	eP	15	18	36
	Ml	eP			37.7
6	Kr	eP	23	46	55.5
	Ml	eP		47	08.0
7	Wr	eP	00	42	57.5
7	Ch	eP	10	07	21
	Wr	iP		09	11.2c
7	Ch	eP	11	07	11
7	Ch	eP	11	20	48
7	Wr	eP	12	19	49.9
		eS		20	32.7
8	Ch	eP	03	28	51
8	Ml	eP	08	14	49.0
8	Ch	eP	11	48	06
8	Ch	eP	22	36	56.5
		eS		37	33.4

Continuation

9	Qt	eP	13	38	32.4
9	Qt	iP	14	38	16.2c
9	Qt	eP	15	02	03.3c

International Seismological Centre

January, 1968

9	Qt	eP	18	14	55.3
		eS		15	57.3
9	Qt	iP	23	22	54.4d
10	Qt	eP	02	40	44.3c
10	Qt	eP	06	13	48.0d
10	Qt	eP	10	12	49.0d
10	Qt	eP	10	46	09.6c
10	Qt	eP	14	01	59.3c
10	Qt	iP	15	16	54.3c
11	Qt	eP	04	50	23.1c
11	Qt	iP	16	23	00.3c
11	Qt	eP	17	05	23.3d
11	Qt	eP	18	19	23.7d
11	Qt	eP	18	44	47.6c
11	Qt	eP	22	57	19.0d
		eS		58	37.2
12	Qt	eP	01	11	55.0c
12	Wr	P	04	23	37
	Qt	iP			46.2c
12	Qt	iP	08	48	16.7d
12	Qt	eP	21	13	26.7d
		eS		19	40.6
12	Qt	eP	23	59	38.1
13	Qt	eP	02	25	58.2c
13	Qt	eP	03	37	05.4d
13	Lh	P	07	11	39
	Wr	P			58
	Qt	iP		12	30.2c
		eS		19	36.1

January, 1968

13	Qt	eP	11	42	33.6c
		eS		43	52.2
13	Qt	eP	16	26	03.5d
	Lh	P			21
		(S)		36	20
13	Qt	eP	16	29	34.OnsetPoor
		e(S)		35	44.0
13	Qt	eP	21	18	27 OnsetPoor
13	Qt	eP	21	48	35.1c
13	Qt	eP	21	51	53.3d
13	Qt	eP	22	56	10.0c
13	Wr	P	23	49	32
	Qt	eP		50	27.0d
14	Qt	eP	08	29	25.8d
14	Qt	eP	08	50	47.3c
14	Qt	eP	10	47	00.0c
14	Ch	P	12	33	28
		S		40	00
	Lh	P		35	34
		S		43	59
	Wr	P		35	55
	Qt	iP		36	07.2c
		eS		45	00.0

	Mu	Sec
PZ	0.3	1.0

$\Delta = 68^{\circ}.9$
Banda Sea
Mag = 6.4 (Qt)

14	Qt	eP	15	56	45.3
14	Ch	P	17	54	59
		S	18	04	46
	Wr	P	17	55	06
	Qt	eP			34.6d
		eS	18	05	53.6

	Mu	Sec
MH	14.1	20

$\Delta = 83^{\circ}.8$
Mag = 6.3 (Qt)

January, 1968

14	Qt	eP	20	42	25.5
		eS		43	36.2
14	Qt	eP	22	31	44.5c
15	Qt	iP	00	29	09.4c
15	Qt	eP	01	41	15.2d
		eS		47	44.0
15	Qt	eP	02	09	21.0
		eS		16	00.0

	Mn	Sec
PZ	.02	0.8

$\triangle$ = 45°.6

Wr P 02 09 38

Sicily quake

Mag = 5.1 (Qt)

January, 1968

15	Qt	eP	03	26	49.0d
15	Qt	eP	08	46	41.7d
15	Qt	eP	12	04	43.9
15	Qt	eP	17	41	56.4d
15	Qt	eP	18	31	06.6d
15	Qt	eP	18	35	45.6
15	Qt	eP	19	41	36.3c

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

8 FEB 1968

International Seismological Centre

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

PAKISTAN

3.2.

No.SS-9(2)/68/ 404 Quetta, the ____ January, 1968

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 January, 1968

Additional

January, 1968

9	Kr	eP	18	15	49.1
11	Wr	eP	16	22	26.8
11	Wr	eP	17	05	03.3
11	Wr	eP	22	56	30.0
12	Ch	eP	04	19	52
	Ml	eP		23	18.1
12	Wr	eP	21	17	28.5
		eS			51.5
13	Ml	eP	00	21	09.7
	Wr	eP			47.9
		eS		22	22.2
	Lh	eP			29.0
		eS		23	34.0
	Qt	eP		22	48.6
		eS		23	57.5

H = 00 : 21 : 04
36.3N, 71.4E
Hindukush
Depth about 223 Km

13	Ch	eP	07	09	34
		eS		14	16
13	Wr	eP	11	41	38.4
13	Wr	eP	16	26	11.1
	Ml	iP			19.5d
	Ch	eP			49
13	Kr	eP	16	29	33.4
14	Ml	eP	12	35	42.4
	Kr	eP			55.3
14	Lh	eP	17	55	09

January, 1968

14	Wr	eP	20	41	16.8
15	Wr	eP	01	41	29.0
15	Wr	eP	12	04	11.9
15	Ch	eP	19	39	31
		eS		44	06
	Wr	eP		40	56.2

Continuation

January, 1968

16	Kr	P	03	34	54
		S		35	12
	Qt	eP			43.6d
		iS		36	40.0
16	Wr	P	07	25	20
		S			45
	Qt	eP		26	13.1e
		e(S)		27	00.4
16	Qt	eP	16	51	00.0c
		eS		57	36.0
	Wr	P		51	15
16	Qt	eP	18	25	08.3d
16	Qt	eP	18	29	56;8d
17	Qt	eP	00	51	39.7c
		e(S)		53	17.0
17	Wr	P	02	24	54
	Qt	eP		25	52.5d
		eS		27	05.5

International Seismological Centre

January, 1968

17	Qt	eP	03	06	25.0c
17	Qt	eP	09	16	35.6c
17	Qt	eP	19	51	15.5c
17	Qt	eP	23	50	39.3c
		eS		52	01.1
17	Qt	eP	23	59	14.4c
		e(S)	00	01	41.2
18	Qt	eP	02	16	33.4d
18	Qt	eP	10	46	35.7d
18	Qt	eP	12	22	32.1
18	Qt	eP	14	28	18.7d
18	Qt	iP	16	06	43.6
18	Qt	eP	20	02	19.3c
18	Qt	eP	23	46	31.1c
19	Ch	P	06	16	04
		S		25	30
	Lh	P		17	35
		S		28	03
	Wr	P		17	48
	Qt	eP		18	02.6c
		eS		28	41.6
19	Qt	eP	08	33	32.2c
19	Qt	eP	13	11	31.1d
19	Wr	P	14	21	01
	Qt	eP			17.5c
19	Qt	eP	14	59	20.2d
		eS	15	09	50.6
	Wr	P	14	59	28
19	Qt	eP	16	15	35.7c
19	Qt	eP	18	02	18.5
19	Qt	eP	18	29	26.0d
19	Qt	eP	18	44	29.1c
19	Qt	eP	20	37	13.1d
19	Qt	eP	22	50	22.3d
20	Qt	eP	12	12	17.4c
20	Qt	eP	17	00	11.0d

January, 1968

20	Qt	iP	17	51	48.3c
20	Qt	eP	20	18	07.2d
20	Wr	P	21	39	42
	Qt	iP			49.0d
		eS		49	09.0
21	Wr	P	00	40	45
	Qt	iP		41	02.2d
21	Qt	eP	01	30	55.0d
21	Qt	eP	04	36	29.6c
21	Qt	eP	05	07	31.0d
21	Qt	eP	12	13	39.9c
21	Qt	eP	14	16	53.4c
		eS		18	25.6
21	Qt	eP	16	54	53.8
		eS	17	05	14.0

	Mu	Sec
MH	6.9	20
△	= 84°.0	
Lh P	16	55 27
S	17	05 56

Mag = 6.1 (Qt)

21	Qt	eP	23	04	38.8
21	Wr	P	23	07	47
	Qt	eP		08	03.6c
22	Qt	eP	00	03	39.7d
22	Qt	iP	02	35	07.8d
22	Wr	P	04	01	25
		S			59
	Qt	iP		02	23.6d
		eS		03	43.4
22	Qt	eP	05	34	14.0c
22	Qt	eP	07	33	51.5
22	Wr	P	08	16	25
	Qt	eP		17	22.9
		eS		18	40.3
22	Wr	P	10	36	59
	Lh	P		37	18
		S		38	27
	Qt	eP			09.4c
		eS		40	05.8

H = 10 : 35 : 45
37.7N, 75.3E
Tadzhik-Sinkiang border
Depth about 160 km.

International Seismological Centre

January, 1968

22	Qt	eP	11	37	36.5d
22	Qt	eP	13	33	15.2c
22	Qt	eP	15	49	29.6d
22	Wr	P	18	29	24
	Qt	eP			39.6c
		eS		40	12.2
22	Wr	P	18	44	52
	Qt	eP		45	16.5d
22	Qt	iP	20	38	05.5d
	Wr	P			36
22	Qt	eP	21	24	46.6d
22	Qt	eP	23	56	26.5c
23	Wr	P	00	28	24
	Qt	eP		29	13.7c
		e(S)		30	50.9

January, 1968

23	Wr	P	06	43	20
	Qt	eP			58.5
23	Qt	eP	11	55	17.4d
23	Qt	eP	13	20	11.4d
23	Qt	eP	14	35	11.4d
23	Wr	P	16	18	44
	Qt	eP		19	14.3c
23	Qt	eP	18	01	34.2c
23	Qt	eP	19	25	08.2c
23	Qt	eP	21	48	36.5d
23	Qt	eP	22	51	25.6d

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

21 FEB 1968

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)/68/755 — Quetta, the 13th February, 1968

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

x-Unidentified Phase, c-Compressi on, d-Dilatation

Provisional Readings at Seismological Stations from 24th to 31st January, 1968

Additional

January, 1968					
17	Wr	eP	23	49	35.1
	Ml	eP			55.0
18	Wr	eP	10	46	33.6
18	Ch	eP	19	57	36
19	Ch	eP	08	29	40
		e(S)		30	00
19	Ch	eP	14	24	41
		eS		28	42
19	Ch	eP	18	34	32
20	Ch	eP	16	54	43
	Wr	eP	17	00	26.1
20	Lh	eP	21	39	36
	Ml	eP			39.0
	Kr	eP			42.4
21	Ml	eP	00	40	36.6
21	Wr	eP	01	30	47.2
21	Kr	eP	16	55	03.8
	Wr	iP			13.5d
21	Ch	eP	23	05	52
	Ml	eP		07	36.3
22	Wr	iP	00	03	37.2d
22	Ch	eP	10	40	16
22	Ch	eP	18	27	27
22	Wr	eP	21	25	17.0
23	Lh	eP	06	42	36
		eS		43	03

January, 1968					
23	Ml	eP	18	00	46.0
		iS		01	37.0
23	Wr	iP	19	25	50.5c
Continuation					
24	Wr	P	00	01	38
	Qt	eP		02	29.4c
		eS		04	08.2
24	Qt	eP	05	55	28.7d
24	Qt	eP	07	27	34.5d
24	Qt	eP	07	57	30.3c
24	Qt	eP	10	09	34.3d
24	Qt	eP	13	44	08.7d
24	Qt	eP	19	35	28.2d
25	Qt	eP	10	05	00.5
		eS		11	36.2
25	Qt	eP	11	34	56.8d
25	Qt	eP	14	29	26.2d
		eS		31	09.5
25	Qt	eP	16	19	04.5d
25	Qt	eP	21	11	04.8d
26	Qt	eP	01	55	54.0c
26	Lh	P	04	55	45
	Wr	P		56	06
	Qt	iP			15.2c
		eS	05	04	48.5

	Mu	Sec
PS	0.1	0.9

Δ = 64.2
Mag = 5.8(Qt)

26	Qt	eP	08	05	18.4
26	Wr	P	09	24	21
	Qt	eP		25	22.0d
		eS		27	22.0
26	Qt	eP	12	49	47.7c
26	Qt	eP	14	45	30.7c
26	Qt	eP	16	38	04.5c
26	Qt	eP	22	47	48.8c
27	Qt	eP	00	33	13.7c
		eS		34	32.0
27	Qt	eP	01	01	36.5c
27	Qt	eP	01	54	36.5
27	Wr	P	02	23	34
	Qt	eP		24	35.3d
27	Qt	eP	10	52	50.6
27	Qt	eP	11	06	48.4c
27	Qt	eP	11	19	26.8d
		e(S)		20	30.2
27	Qt	eP	14	05	07.4c
		eS		12	10.0

	Mu	Sec
PZ	.06	1.0
MH	3.9	20

Δ = 49°.3

Mag= 5.7(Qt)

27	Qt	eP	16	43	09.4
28	Qt	eP	04	02	48.5c
28	Qt	eP	05	37	30.4c
28	Qt	eP	07	53	46.9d
		e(S)		54	54.9
	Wr	P			25
28	Qt	eP	20	52	50.3d
28	Qt	eP	22	37	49.7d
29	Qt	eP	01	02	45.5c

International Seismological Centre

29	Wr	P	05	00	54
	Lh	P		01	35
		S		02	34
	Qt	iP		01	48.7d
		eS		03	04.8
	Ch	P		05	01
		S		08	59

H = 05 : 00 : 14
36.7N, 71.2E
Hindukush Region
Depth about 160 km
Felt: Peshawar, Rawalpindi, Lahore.

29	Qt	eP	09	36	36.9d
		eX		38	04.9
29	Qt	iP	10	26	12.9c
29	Ch	P	10	27	56
	Lh	P		28	49
		S		36	39
	Wr	P		28	52
	Qt	iP		29	30.0c
		iS		38	03.7
29	Qt	eP	11	54	27.5c
29	Qt	eP	12	01	22.2c
29	Qt	eP	14	54	17.9c
29	Wr	P	16	09	25
	Qt	eP			49.3c
29	Qt	iP	16	21	50.9c
29	Lh	P	16	52	36
		S	17	00	30
	Wr	P	16	52	40
	Qt	eP		53	11.9c
		e(S)	17	01	49.6
29	Qt	iP	17	24	34.4c
29	Qt	eP	20	54	34.4d
29	Qt	iP	20	58	27.7c
29	Qt	eP	21	05	08.4c
29	Qt	eP	22	48	37.5c
30	Wr	P	01	40	04
	Qt	iP			42.2c
30	Lh	P	01	58	18
	Qt	iP		59	00.0c
		eS	02	07	40.0
30	Qt	eP	02	31	03.5
30	Wr	P	02	48	05

International Seismological Centre

January,1968

30	Wr	P	03	11	37
	Qt	iP		12	13.1c
		eS		20	46.0
30	Wr	P	03	33	35
	Qt	eP		34	11.6d
30	Ch	P	03	50	36
		S		55	28
	Lh	P		52	46
		S		59	27
	Kr	P		52	58
	Wr	P		53	15
	Qt	iP			17.5d
		eS	04	00	25.2
30	Wr	P	08	18	16
		S			46
	Lh	P			57
		S		19	58
	Qt	iP			13.1d
		eS		20	32.0
	Kr	P		20	17
		S		22	22

H= 08:17:36
35.9N, 70.6E
Hindukush
Depth about 223 km.

30	Qt	eP	09	16	55.4c
30	Qt	eP	09	28	11.3c
30	Wr	P	11	53	55
		S		55	00
	Qt	eP		54	55.3d
		iK		56	58.9
30	Qt	eP	18	36	34.2d
30	Qt	eP	18	45	31.1c
30	Qt	eP	19	51	03.4d
		eS		52	24.1
30	Qt	eP	20	31	52.8d
30	Qt	eP	20	34	52.3
30	Qt	eP	22	23	41.7d

January,1968

31	Qt	eP	01	28	11.2d
31	Qt	eP	02	21	36.2d
31	Qt	eP	02	24	05.5
31	Qt	iP	03	09	48.9c
31	Wr	P	11	49	28
	Qt	eP		50	11.0d
		eS		54	15.2

	Mu	Sec
MH	3.9	20

$\triangle$ = 23°.0
Msg= 5.5(Qt)

31	Qt	eP	13	16	30.7d
31	Qt	eP	13	40	23.6c
31	Qt	eP	15	41	16.3c
31	Qt	eP	16	29	54.9d
31	Qt	eP	22	08	56.3d

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

26 FEB 1968

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)/68/ 844 Quetta, the 23rd February, 1968

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 February to 8th February, 1968

Additional

December, 19 ← ~~December~~

January, 1968

24	Ml	iP	00	01	57.3c
24	Wr	eP	05	55	30.4
25	Wr	iP	10	05	17.2
	Ch	eP		07	51
25	Wr	eP	14	28	17.3
	Ml	eP			28.0
		iS		29	23.7
	Qt	eP			26.2d
		eS		31	09.5

H = 14 : 28 : 14
37°.9N, 73°.1E
Tazhik SSR
Depth about 223 Kms

26	Ch	eP	04	53	33
	Kr	eP		55	58.4d
26	Ml	eP	09	24	24.0
27	Kr	eP	00	32	18.5d
		eS			57.8
27	Ch	eP	10	48	54
27	Ch	eP	14	02	07
	Lh	eP		04	16
	Wr	iP			35.4
28	Ml	eP	07	54	31.5
29	Ml	iP	05	01	16.6c
29	Ch	eP	09	36	20
29	Ch	iP	10	24	04c
	Ml	iP		28	46.1d
	Kr	iP		29	51.8d

January, 1968

29	Ch	eP	11	52	54
	Wr	eP		53	50.4
29	Ch	eP	12	01	30
29	Ch	eP	14	52	43
29	Ch	eP	16	06	45
29	Ch	eP	16	19	44
29	Ch	eP	16	51	41c
	Kr	eP		53	36.6d
29	Lh	eP	21	04	51
		eS		15	11
30	Ch	eP	01	39	09
	Lh	eP		40	00
30	Ch	eP	01	57	27
	Wr	iP		58	22.3
30	Ch	eP	02	47	10
30	Ch	eP	03	10	40
	Ml	eP		11	27.5
30	Ml	eP	03	52	55.9
		iS		59	45.5
30	Ch	eP	06	17	30
30	Ml	iP	08	18	36.6c
		eS		19	23.7
	Ch	eP		22	25
30	Wr	eP	18	45	53.5
30	Ml	eP	19	50	24.2
		iS		51	13.0
30	Wr	eP	20	31	59.1
	Lh	eP		32	08

January,1968

31	Wr	eP	02	21	48.3
	Lh	eP			57
31	Ch	eP	11	47	08
	Kr	eP		50	26.6
31	Wr	eP	22	08	19.1

Continuation

February,1968

1	Qt	eP	05	10	20.2d
1	Qt	eP	05	26	29.5d
1	Qt	iP	12	57	49.0c
		eS	13	06	12.0
1	Qt	eP	17	07	55.0d
		eS		08	58.5
1	Qt	eP	18	44	09.7d
1	Qt	eP	19	12	37.7d
1	Qt	eP	22	07	24.2c
2	Qt	eP	09	50	22.5
2	Qt	eP	16	44	28.8c
		eS		46	14.4
2	Qt	eP	19	38	45.4d
		iX		39	24.4
2	Qt	eP	20	25	54.0c
3	Qt	eP	03	37	00.1c
3	Qt	ePKP	05	55	30.4c
3	Qt	eP	06	42	59.0d
		eS		44	16.7
3	Qt	eP	11	41	10.6c
3	Qt	eP	15	59	40.5d
3	Qt	eP	16	02	52.5d
3	Qt	eP	18	58	42.8c
		iS	19	01	13.9
4	Qt	eP	09	20	53.7c
4	Lh	P	11	10	33
		S		18	33
	Qt	iP		11	19.8c
		eS		19	59.2

	Mu	Sec
MH	30.8	20

$\triangle = 65^{o}.2$

Mag = 6.4(Qt)

4	Qt	iP	11	46	40.2c
		iX		49	29.1
4	Qt	eP	14	13	08.9d
		eS		14	48.4
4	Qt	eP	17	53	54.2d
5	Qt	eP	09	37	41.9c
5	Qt	eP	11	09	56.5d
5	Qt	eP	13	38	33.5c
6	Qt	eP	04	47	29.1c
6	Qt	eP	06	56	43.3d
6	Qt	eP	09	58	53.8d
6	Qt	eP	11	38	55.2d
6	Qt	eP	21	45	28.5
6	Qt	eP	23	07	17.2c
6	Qt	eP	23	26	15.3c
7	Qt	iP	00	32	55.5c
7	Qt	eP	00	44	06.2c
7	Qt	eP	02	24	36.3d
7	Qt	eP	03	46	49.8c
7	Qt	eP	06	37	04.5d
7	Qt	eP	08	16	33.3c
7	Qt	eP	09	42	14.0d
7	Lh	P	12	24	24
		S		25	23
	Qt	eP		24	41.8d
		eS		25	59.9
7	Qt	eP	20	01	24.4
7	Qt	eP	21	10	02.2
7	Qt	eP	21	44	09.6c
7	Qt	eP	22	28	49.5d
7	Qt	eP	22	34	56.4d
8	Qt	eP	00	14	03.4
		eS		15	33.7
8	Qt	eP	09	17	23.5c
		eS		19	30.1
8	Qt	eP	10	45	51.2d

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January, 1968

8	Qt	iP	11	02	50.2c
		iS		06	34.1
	Wr	P		03	47
8	Qt	eP	11	20	18.0
8	Qt	eP	12	14	39.5c
8	Kr	P	12	32	09
	Qt	iP			48.5c
		eS		36	30.4
	Wr	P		33	46

January, 1968

8	Qt	eP	14	56	45.3c
8	Qt	eP	17	43	29.0
		eS		44	56.3
8	Qt	eP	23	08	21.4d
8	Qt	eP	23	10	36.1c

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

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

International Seismological Centre

No.SS-9(2)/68/1095 Quetta, the 9th March, 1968

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 23rd to 29th February, 1968

Additional
February, 1968

16	Wr	iP	14	32	32.5d
17	Ch	eP	17	26	51
		eS		32	42
	Wr	eP		29	28.7
18	Wr	eP	09	39	22.4
18	Ml	eP	17	31	50.4
		eS		32	22.2
	Wr	eP			15.9
18	Ch	eP	20	27	36
19	Ch	eP	14	05	56
		e(S)		14	00
19	Ch	eP	16	11	14
19	Ml	eP	22	53	20.0
	Lh	eP			24
20	Wr	eP	05	18	23.0
20	Wr	eP	09	48	21.5
20	Wr	eP	16	57	39.8
20	Wr	eP	19	08	22.9
		eS			46.2
21	Wr	eP	00	00	29.7
	Kr	eP		01	20.1
21	Kr	eP	01	54	30.7
21	Wr	eP	09	08	33.0
21	Wr	eP	12	44	30.7
21	Wr	eP	19	20	24.4
21	Wr	eP	19	41	47.4
21	Wr	eP	21	19	41.0
	Lh	eP			45 ±
	Kr	eP		20	32.9
21	Wr	eP	23	33	36.9
22	Wr	eP	07	13	04.7
22	Ml	iP	17	58	41.8c
	Kr	eP		59	34.8d

Continuation
February, 1968

Continuation					
23	Qt	iP	00	22	53.8o
23	Qt	eP	08	25	09.0c
23	Qt	eP	09	44	40.7c
23	Qt	eP	11	11	19.4d
		eS		19	46.6
23	Qt	eP	14	12	56.0d
23	Qt	eP	16	25	46.6c
23	Qt	eP	19	03	27.0d
23	Qt	eP	20	37	59.5c
		eS		39	19.0
24	Qt	eP	01	30	13.2d
24	Qt	eP	13	00	22.5d
24	Qt	eP	15	34	40.2
24	Qt	eP	15	44	28.1d
24	Qt	eP	16	11	42.0c
24	Qt	eP	16	59	57.9c
25	Qt	iP	10	35	32.7d
25	Qt	eP	12	51	04.2c
25	Qt	eP	15	49	46.7c
25	Qt	iP	16	33	16.8c
		eS			42.0
	Wr	P		34	03
	Lh	P			07

H = 16 : 32 : 47
29.6N, 68.7E
Sibi district
West Pakistan

25	Qt	eP	17	55	21.6c
		eS		56	49.4
25	Qt	eP	18	19	15.3d
25	Wr	P	18	20	04
	Lh	P			09
	Qt	iP			35.9c
25	Qt	eP	18	39	06.5d
25	Qt	eP	18	44	02.7d
25	Wr	P	20	10	01
	Qt	eP			37.7c
26	Qt	eP	09	40	32.4d

February,1968

26	Qt	eP	10	50	58.0c
26	Lh	P	10	58	13
		S	11	04	33
	Wr	P	10	58	32
	Qt	iP		59	04.0c
		eS	11	06	02.0

H = 10 : 50 : 20
East China Sea

26	Qt	eP	13	48	48.5c
26	Qt	eP	23	16	24.8c
27	Lh	P	05	29	33
		S		38	05
	Wr	P		29	49
	Qt	iP		30	13.6c
		eS		39	26.0

	Mu	Sec
MH	= 2.7	20
△	= 71°.0	
Mag	= 5.8(Qt)	

27	Qt	eP	08	20	33 Onset Poor
27	Qt	iP	08	22	52.4c
27	Lh	P	11	05	10
		S		13	42
	Wr	P		05	26
	Qt	eP			48.9d
		eS		15	02.0
27	Qt	eP	13	05	27.2d
27	Qt	eP	21	49	12 Onset Poor
		eS		50	33.6
27	Wr	P	22	41	04
		S			33
	Qt	eP		42	07.5d
		eS		43	28.9
28	Qt	eP	03	39	23.6c
28	Qt	iP	09	55	08.0c
		eS			18.0
	Wr	P		56	13

H = 09 : 54 : 54.6
55 Miles East of Quetta
Mildly felt Quetta
West Pakistan

28	Ch	P	12	15	20
		S		21	08
	Lh	P		16	44
		S		23	44
	Wr	P		16	55
	Qt	iP		17	29.4d
		eS		25	02.8

	Mu	Sec
MH	3.4	20
△	= 54°.2	
Mag	= 5.8(Qt)	

February,1968

	Kr	P	12	17	42
		S		25	35
28	Qt	eP	12	46	38.7d
28	Qt	eP	18	44	02.1
28	Qt	eP	21	13	08.3d
28	Qt	iP	21	42	47.2c
		eS		44	08.0
29	Qt	eP	15	56	54.5d
29	Ch	P	16	38	42
		S		44	34
	Lh	P		41	02
		S		48	48
	Wr	P		41	27
		S		49	31
	Qt	eP		41	37.8d
		eS		49	49.4

	Mu	Sec
MH	= 4.1	20
△	= 60°.5	
Mag	= 5.9(Qt)	

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

International Seismological Centre

International Seismological Centre

(11)

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)/68/1199 Quetta, the 18th March, 1968

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'68

Additional

February, 1968

23	Ch	cP	11	09	01
		eS		15	25
25	Ch	cP	10	34	02
		eS		40	48
	Wr	eP		34	54.5
25	Kr	eP	16	34	08.9
25	Wr	eP	17	54	16.5
		eS			52.6
25	Ch	eP	18	19	53
	Kr	cP		20	59.1
26	Ch	eP	10	56	02
	Ml	cP		58	29.2
	Kr	eP		59	08.4
		eS	11	06	33.7
26	Lh	eP	23	16	40
	Wr	eP		17	35 ±
27	Kr	eP	05	30	15.1
27	Ch	eP	11	03	16
	Kr	eP		05	51.5
27	Wr	eP	21	48	09.2
		eS			43.2
28	Kr	eP	09	56	16.2
28	Ml	eP	12	16	44.4
28	Ch	eP	21	10	13
	Lh	eP		12	30
	Wr	eP			51.9
		eS		20	08.4
28	Wr	eP	21	41	46.4
29	Ch	eP	15	55	57

Continuation

March, 1968

1	Qt	eP	21	37	23.2d
		eS		38	55.9
2	Qt	eP	00	01	02.9c
2	Qt	eP	02	52	24.7c
2	Qt	eP	11	32	44.5c
2	Lh	P	16	22	26
		S		26	32
	Qt	eP		23	27.3d
		eS		28	18.6

	Mu	Sec
MH	6.6	20

$\triangle = 29^{\circ}.5$
Mag = 5.7(Qt)

2	Qt	eP	18	06	35.7d
		e(S)		08	20.0
2	Kr	P	22	08	46
	Qt	cP		09	29.2
		eS		15	14.5

	Mu	Sec
MH	5.8	20

$\triangle = 37^{\circ}.4$

Lh	P	22	09	38
	S		15	38
Wr	P		09	58
	S		16	05

Mag = 5.7(Qt)

2	Wr	P	23	47	14
		S		55	17
	Qt	iP		47	31.7c

3	Wr	P	09	31	35	
	Lh	P		32	17	
		S		33	00	
	Qt	eP		32	55.7c	
		eS		34	10.4	

H = 09 : 31 : 21
34.8N, 72.2E
Saidu Sharif
West Pakistan

3	Wr	P	12	15	48	
		S		16	03	
	Qt	eP		17	28.7	
		e(S)		18	25.0	
3	Ml	P	15	09	57	
		S		10	25	
	Qt	eP			56.8	
		eS		12	18.0	
3	Wr	P	19	21	10	
	Qt	eP		22	02	Onset Poor
3	Ch	P	23	02	09	
		(S)		07	15	
	Lh	P		04	23	
		S		11	26	
	Wr	P		04	44	
		S		12	08	
	Qt	iP		05	00.0c	
		eS		12	36.0	

	Mu	Sec
MH	8.6	20

△ = 54°.7
Mag = 5.9(Qt)

4	Qt	eP	21	40	06.1c
5	Qt	eP	00	34	49.4d
5	Qt	eP	00	43	34.7c
5	Qt	eP	14	55	23.9d
5	Lh	P	18	25	49
		(S)		33	20
	Wr	P		26	10
	Qt	eP			32.2c
		eS		34	48.0

	Mu	Sec
MH	5.8	20

△ = 61°.2
Mag = 5.9(Qt)

5	Qt	iP	18	40	56.9c

International Seismological Centre

5	Lh	P	18	47	16
	Wr	P			37
		(S)		55	20
	Qt	iP		47	58.6c
		eS		56	23.3

	Mu	Sec
MH	10.8	20

△ = 62°.7
Mag = 6.1(Qt)

6	Qt	iP	00	22	35.5c
6	Qt	eP	16	02	53.9c
6	Qt	eP	17	00	42.1d
7	Qt	eP	01	40	40.0d
7	Qt	eP	03	04	47.8c
7	Lh	P	07	31	06
	Qt	eP		31	44.4d
		eS		38	48.0

	Mu	Sec
MH	5.1	20

△ = 49°.4
Mag = 5.8(Qt)

7	Qt	eP	09	05	08.6c
7	Wr	P	13	34	46
		(S)		45	13
	Qt	iP		35	02.9c
		eS		45	46.6

	Mu	Sec
MH	7.5	20

△ = 89°.0
Mag= 6.2(Qt)

7	Qt	eP	16	16	19.8d
8	Wr	P	13	49	35
	Qt	eP		50	33.7d
8	Qt	eP	16	02	15.6d
8	Qt	iP	17	25	20.6d
8	Qt	eP	17	40	48.9d
8	Qt	eP	18	33	37.9d
8	Wr	P	19	57	01
	Qt	eP			23.4d
8	Qt	eP	22	14	57.5d

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

1 MAR 1968

International Seismological Centre

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

PAKISTAN

No.SS-9(2)/68/897 Quetta, the 26th February, 1968

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, 1968

Additional

February, 1968

1	Wr	eP	05	10	10.2
1	Wr	eP	05	26	01.0
1	Ml	eP	12	57	05.0
	Lh	eP			08
	Wr	eP			12.7
	Kr	eP		58	11.8
2	Wr	eP	16	43	21.9
		eS		44	10.8
	Ml	eP		43	28.2
		eS		44	25.3
	Qt	eP			28.8
		eS		46	14.4

H = 16 : 42 : 13
37°.9N, 74°.1E
Tazhik SSR
Depth about 287 Km

3	Ch	eP	03	35	40
	Kr	eP		37	20.2c
3	Wr	eP	05	55	24.2
	Ch	eP			47
		eS		59	24
3	Wr	eP	06	42	07
	Ml	eP			22.6
		e(S)		43	16.2
3	Ch	eP	11	39	38
		eS		43	39
	Wr	iP		40	33.2d
	Kr	eP		41	29.4
4	Ch	eP	09	19	20
		eS		26	31
4	Ch	eP	11	09	44
		eS		16	55
	Ml	eP		10	34
	Wr	eP			42.3
	Kr	eP		11	40.1

February, 1968

February, 1968

4	Ch	eP	11	47	14
5	Ch	eP	09	34	59
		e(S)		40	33
	Wr	eP		37	08.1
5	Wr	eP	11	09	06.2
6	Ch	eP	04	44	33
	Wr	eP		47	14.2
6	Wr	eP	11	39	04.7
	Ch	eP			26
7	Wr	eP	00	32	26.7
7	Wr	eP	01	26	11
7	Wr	iP	12	23	41.9d
		iS		24	11.2
	Lh	eP			24
		eS		25	23
	Qt	eP		24	41.8d
		eS		25	59.9

H = 12 : 23 : 02
36°.2N, 70°.6E
HINDUKUSH
Depth about 190 Km

	Kr	eP	12	25	46.1c
		eS		27	53.3
8	Ml	iP	00	12	57.8c
		eS		13	34.0
8	Ch	eP	11	05	28
8	Ch	eP	12	13	05
8	Lh	eP	12	33	47
		eS		38	15
	Ch	eP		35	28
		e(S)		41	18

1

February, 1968

8	Ml	eP	17	42	00.8
		eS			21.3
	Lh	eP			14
		eS			44
	Qt	eP		43	29.0
		eS		44	56.3

H = 17 : 41 : 35
33°.8N, 75°.3E
KASHMIR
Depth about 96 Km.

Continuation

February, 1968

9	Qt	eP	03	01	57.7d
		eS		03	15.3
9	Wr	P	13	09	10
		S			56
	Qt	eP			53.3c
		eS		11	11.2
9	Qt	eP	13	29	38.2c
9	Qt	iP	14	40	13.1
		IS			36.0
	Wr	P			57
9	Qt	eP	14	59	11.4c
		eS	15	00	27.9
9	Qt	eP	15	44	35.8c
9	Wr	P	06	17	22
		S		18	00
	Qt	eP			23.6d
		eS		19	47.9
9	Qt	iP	10	10	44.2c
		eS		19	28.0

February, 1968

10	Qt	eP	12	51	30.1e
10	Wr	P	15	21	42
	Qt	eP		22	27.5
		eS		24	38.5
10	Qt	eP	16	57	35.4
10	Wr	P	17	04	29
	Qt	iP		05	34.6d
		eS		07	31.0
10	Qt	eP	18	15	44.6d
		eS		17	41.0
10	Qt	eP	19	37	47.4e
		eS		39	46.5
10	Qt	eP	19	22	53.8e
		eS		24	05.4
11	Wr	P	02	26	34
	Qt	eP		27	31.3e
		eS		29	29.5
11	Qt	eP	05	45	46.2e
11	Ch	P	12	21	27
		S		27	16
	Wr	P		23	10
		S		30	29
	Qt	iP		23	42.8d
		eS		31	29.9
11	Qt	eP	13	28	13.3e
11	Qt	eP	16	57	07.0e
		eS		58	32.5
11	Lh	P	20	39	36
		S		40	32
	Wr	P		39	54
	Qt	iP		40	59.5e
		eS		42	56.8

H = 20 : 38 : 26
34.7N, 78.8E
Kashmir
Depth about 96 km.
Mag= 5.3(Qt)

11	Qt	eP	21	52	37.0
11	Qt	eP	23	20	45.6d
		eS		22	42.8
12	Ch	P	05	55	31
		S	06	04	18
	Lh	P	05	57	11
		S	06	07	29
	Wr	P	05	57	24
	Qt	iP			39.5d
		eS	06	08	11.7

February, 1968

12	Qt	eP	09	16	47.7d
12	Qt	eP	10	26	35.4d
12	Qt	eP	20	56	47.2d
12	Qt	eP	22	23	15.5d
		eS		28	02.7
13	Qt	eP	02	23	44.3e
		eS		32	52.5
13	Qt	eP	05	44	30.6d
		eS		46	07.6
13	Qt	eP	11	34	13.0e
13	Qt	eP	11	40	08.4d
13	Qt	eP	14	19	13.5d
13	Qt	eP	14	32	08.1e
13	Qt	eP	16	37	06.3d
13	Qt	eP	18	59	10.5d
13	Qt	eP	19	14	19.0e
13	Qt	iP	20	50	15.2e
		eS		51	33.6

February, 1968

14	Qt	eP	08	43	28 Onset
		e)		45	59.0
14	Qt	eP	08	00	35.0
14	Qt	eP	11	43	04.0
14	Ch	P	14	46	43
		S		53	23
	Qt	eP		49	02.8e
		eS		57	47.2
15	Qt	eP	00	40	23 Onse
					Poo
15	Qt	eP	02	55	10.0e
15	Qt	eP	15	55	48.3d
15	Qt	eP	19	05	08.9d
15	Qt	iP	23	05	15.0d

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

International Seismological Centre

11 MAR 1968

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)/68/1010 Quetta, the 5-3- February, 1968

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 22nd February, 1968

Additional

February, 1968

9	Ml	eP	03	01	22.0
		eS		02	12.5
9	Ml	eP	13	09	53.8
		eS		11	06.6
9	Ml	eP	14	41	07.0
9	Ml	eP	14	58	26.0
		eS		59	15.5
10	Ml	eP	06	17	45.8
		eS		18	15.1
10	Wr	iP	10	10	07.4c
		eS		18	17 ±
	Kr	eP		11	05.4
10	Kr	eP	17	06	14.5
		eS		08	39.8
10	Wr	eP	18	14	34.5
10	Lh	eP	19	21	07
		eS			33
	Wr	eP			35,0
11	Kr	eP	12	23	53.5
11	Wr	iP	16	56	01.2c
11	Wr	eS			36 ±
11	Ml	eP	17	04	09.5
11	Kr	eP	20	41	37.1
		eS		44	05,2
11	Wr	eP	23	19	46 ±

February, 1968

12	Kr	eP	05	57	30.5
12	Kr	eP	09	17	37.2
12	Kr	eP	21	23	17.5
13	Wr	eP	02	23	05.8
13	Wr	eP	14	18	58.3
13	Wr	iP	20	49	15.2
		iS			47.8
14	Wr	eP	03	42	45.0
		eS		44	53.3
14	Wr	eP	11	43	21.8

Continuation

Feburary, 1968

16	Qt	eP	05	43	06.2d
		e(S)		47	32.0
16	Qt	iP	14	33	08.5d
16	Qt	eP	16	56	49.3
		eS		58	55.4
16	Qt	eP	19	42	45.8c
17	Qt	eP	17	29	48.8d
18	Qt	eP	01	31	03.8c
		eS		32	45.3
18	Qt	iP	09	39	37.5c

International Seismological Centre

February,1968

18	Qt	eP	09	41	20.6
18	Qt	eP	17	33	13.5
18	Qt	eP	19	54	56.8d
18	Qt	eP	20	21	17.7
18	Qt	eP	20	29	44.7c
18	Qt	eP	22	37	59.5
19	Qt	eP	02	32	50.9d
19	Qt	eP	14	07	48
	Qt	eP		08	04.0d
		e(S)		18	42.0
19	Qt	iP	14	44	08.7c
19	Qt	iP	14	58	34.7d
19	Qt	eP	16	15	17.0d
19	Qt	iP	22	52	40.2d
		eS		58	20.2
	Wr	P		52	55
	Kr	P		53	04
	Ch	P		55	44
		S	23	03	49

Aegean Sea - Widely felt in Greece and Turkey. Loss of lives and property reported.

20	Qt	eP	00	56	28.5c
20	Wr	P	02	25	57
	Qt	eP		26	46Onset Poor
20	Qt	eP	05	18	58.0c
20	Qt	eP	09	48	05.0d
20	Qt	eP	15	20	51.6
20	Qt	eP	16	57	19.7
20	Qt	eP	17	40	43.9d
20	Qt	eP	19	09	22.4d
		eS		10	43.6
20	Qt	eP	21	57	30.1c
20	Qt	eP	23	37	52.7d
21	Qt	eP	00	01	05.0d

February,1968

21	Qt	eP	01	54	16.7d
21	Qt	eP	06	30	27.2d
21	Qt	iP	06	33	10.8c
21	Ch	P	09	06	03
	Qt	eP		08	49.0d
		eS		17	48.0
21	Qt	iP	12	44	51.8c
21	Qt	iP	19	20	54.9c
21	Qt	iP	19	42	18.1c
21	Qt	iP	19	44	45.3d
21	Qt	eP	19	46	02.5c
21	Qt	eP	21	20	12.6c
		eS		30	30.2

	Mu	Sec
	4.8	
MH		20
△ =	83°.6	
Mag=	6.0 (QAT)	

21	Qt	eP	21	27	20.8d
21	Qt	iP	21	30	56.5c
21	Qt	eP	21	40	29.7d
21	Qt	eP	23	33	11.1d
21	Qt	eP	07	13	58.1c
		eS		15	08.0
22	Wr	P	10	27	56
	Qt	eP		28	32.9d
		eS		36	10.0
22	Qt	eP	17	02	13.2c
22	Qt	eP	17	21	02.0c
		eS		24	16.3
22	Wr	P	17	58	58
	Qt	iP		59	12.2c
22	Qt	eP	18	05	59.0d
22	Wr	P	18	08	00
	Qt	eP			54.5d
22	Qt	eP	18	26	12.9c

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

28 MAR 1968

International Seismological Centre

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

P A K I S T A N

(15)

No.SS-9(2)/68/1258 Quetta, 22nd March, 1968

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 March 1968

Additional

March 1968

2	Ch	cP	16	20	00 ±
	Wr	iP		22	50.3d
		eS		27	21 -
	Kr	eP		23	28.4
2	Wr	eP	18	05	39 ± Onset Poor
2	Wr	iP	21	36	18.5d
		eS			59.5
2	Ch	eP	22	09	17
		eS		14	50
2	Ch	eP	23	44	40
		eS		50	31
3	Ml	eP	09	31	55.9
	Ch	eP		33	56.2
		eS		35	51.4
3	Ml	eP	12	16	10.9
		iS			38.9
3	Wr	eP	15	09	35.3
		eS			46.0
	Ml	eP			57
		iS		10	25.0
	Qt	eP			56.8
		eS		12	18.0

H - 15 : 09 : 20
34°.5N, 71°.4E
Tangi West Pakistan
Depth about 100 Km

3	Ml	eP	23	04	30.9
		eS		11	41.7
	Kr	eP		04	50.3
		eS		12	16.1
4	Wr	eP	21	40	28.3
		eS		41	11.8
	Kr	eP		40	53 ±

March 1968

5	Wr	eP	00	34	20.4
5	Ch	eP	18	23	32
		eS		29	16
	Kr	eP		26	32.6
5	Ch	eP	18	37	57
5	Ch	eP	18	44	59
		eS		50	31
	Ml	eP		47	24.0
	Kr	eP			55.2
7	Ch	eP	07	32	40
		e(S)		37	09
7	Ch	eP	13	32	53
		e(S)		42	05
	Lh	eP		34	33
8	Wr	eP	16	02	01 ± Onset Poor

Continuation

March, 1968

9	Qt	eP	00	41	01.0d
9	Qt	eP	00	46	22.5c
9	Lh	P	00	52	02
	Wr	P			31
	Qt	iP			36.7c
		eS		58	02.0

	Mu	Sec
MH	7.1	20

△ = 34°.5
Mag = 5.8(Qt)

9	Qt	iP	06	36	36.7d
9	Qt	eP	08	35	07.0c
9	Qt	eP	12	55	46.7d
9	Qt	eP	15	02	05.0
		eS		08	56.0
9	Qt	eP	22	12	25.0d

March, 1968

10	Qt	eP	04	01	38.7
		eS		11	54.0
		Mu			Sec
		MH-4.7			20
		△ = 81.2			
		Mag = 6.0(Qt)			
10	Qt	eP	07	18	05.5
		eS		26	24.0
10	Qt	eP	07	30	13.1c
10	Qt	eP	10	52	45.8c
		eS		54	50.7
10	Qt	eP	16	31	51.9c
		eS		33	36.1
10	Qt	eP	20	23	30.2c
10	Qt	eP	21	59	51.9c
11	Qt	eP	07	03	58.0d
11	Qt	eP	08	45	15.8d
		eS		54	53.2
	Lh	P		46	50
11	Wr	P	13	41	05
11	Wr	P	17	45	12
		S			35
	Lh	P			57
		S		46	51
13	Qt	iP	10	38	13.5d
13	Qt	eP	10	42	36.0d
13	Qt	eP	11	07	38.9
13	Qt	eP	14	36	38.8c
13	Qt	eP	15	37	45.8
13	Qt	iP	20	43	27.2d

March, 1968

13	Wr	P	22	40	51
		S		42	32
	Ml	P		41	14
		S		43	10
	Lh	P		41	34
		S		43	49
	Qt	eP		41	31.7
		eS		43	38.0
		H - 22 : 38 : 40			
		42.0N, 66.5E			
		Dort Kuduk			
		U.S.S.R.			
		Depth about 96 km			
14	Qt	eP	02	11	29.7c
		eS		14	22.3
14	Qt	eP	05	08	41.7
		eS		09	58.5
14	Qt	eP	16	41	48.4c
		eS		43	30.2
14	Qt	eP	19	04	11.2d
15	Qt	eP	06	46	08.8c
		eS		55	45.2
		Mu			Sec
		MH 3.1			20
		△ = 75.4			
		Mag:: 5.9(Qt)			
15	Qt	eP	17	59	04.8d

(K.U.Siddiqi)
for Director
Meteorological Services

.....

4 APR 1968

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

International Seismological Centre

No.SS-9(2)/68/ 1354 Quetta, the 30 March, 1968

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 March, 1968

March 1968			Additional		
9	Kr	eP	00	52	12.6
9	Wr	eP	06	36	12.3d
10	Lh	eP	10	51	04
		iS			30
11	Wr	eP	08	45	09.3
	Kr	eP			16.2
12	Wr	eP	04	02	21 ±
12	Wr	eP	04	49	47.2
12	Wr	iP	12	20	21.9d
		eS			50.3
12	Kr	eP	13	32	52.4
13	Kr	eP	22	42	42.5
14	Wr	eP	02	10	49.4
		eS		12	31.9
	Kr	eP			40.6c
14	Wr	eP	05	07	37.8
		eS		08	04.4
14	Wr	eP	16	40	29.4
		eS		41	26.0
15	Wr	eP	06	46	24.4

Continuation

March, 1968					
16	Wr	P	12	32	18
	Qt	eP			47.9d
16	Qt	eP	16	06	38.8d
17	Qt	eP	07	00	29.8c
		e(S)		02	51.2
17	Lh	P	20	24	19.
		S		32	11
	Wr	P		24	41
	Qt	iP			59.8c
		eS		33	28.0
17	Qt	eP	22	28	41.5c
		eS		30	11.8
18	Qt	eP	04	07	50.9d
		eS		09	25.7
18	Qt	eP	05	03	23.3d
		e(S)		04	42.8
18	Qt	eP	07	40	56.6c
19	Qt	eP	01	56	49.4c

March, 1968					
19	Qt	eP	15	09	22.2c
		eS		11	52.2
19	Qt	eP	18	34	53.7d
19	Qt	eP	23	39	16.7c
20	Qt	eP	00	30	15.3
20	Qt	eP	06	39	58.6d
20	Wr	P	07	56	28
		S		57	55
	Qt	eP			34.9c
		eS		59	55.3
20	Qt	eP	12	25	07.7d
20	Qt	eP	16	49	37 Onset Poor
20	Qt	eP	22	07	04.5d
21	Qt	eP	00	51	03.2c
21	Wr	P	02	46	55
		S		47	52
	Ml	F			06
	Qt	eP		48	01.3d
		eS		49	50.6

H= 02 : 45 : 40.7
37°.8N, 72°.9E
Tadzhik S.S.R.
Depth about 160 Km

21	Qt	eP	16	26	26.7d
22	Wr	P	09	26	19
	Qt	eP			44.4
		eS		36	18.0
22	Qt	eP	13	32	40.3c
		eS		35	17.1
22	Qt	eP	16	28	04.5d
22	Wr	P	17	15	47
		S		16	45
	Qt	eP			43 Onset Poor
22	Qt	eP	19	32	18.7c
22	Wr	P	20	44	27
	Qt	eP		45	03.1c
		eS		53	24.4
23	Qt	eP	07	50	23.2c
		eS		52	05.5
23	Qt	eP	17	32	45Onset Poor
23	Qt	eP	20	02	08.6c
23	Qt	eP	20	06	22.2c
		eS		07	43.4

(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)/68/1467 Quetta, the 10th April, 1968

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 24 to 31st March 1968

Additional
March 1968

16	Ch	eP	12	31	10
17	Ch	eP	20	22	05
		iS		28	08
	Kr	eP		24	52.8
17	Wr	eP	22	27	36.4
18	Wr	eP	04	06	45.0
		eS		07	25.1
18	Wr	eP	05	02	05.9
		eS			47.0
20	Ml	iP	06	40	06.4c
20	Wr	eP	07	56	28
		eS		57	55
	Ml	eP		56	35.6
		eS		58	02.2
	Lh	eP		56	54
		eS		58	39
	Qt	eP		57	34.9c
		eS		59	55.3

H= 07 54 35
41°.3N, 75°.2E
Kirgiz S.S.R
Depth about 223km

21	Ml	eP	02	47	06.4
		eS			59.2
22	Wr	eP	19	32	02.0
23	Wr	eP	20	05	17.2
		eS			46.1
	Ml	eP			38.5
	Qt	eP		06	22.2
		eS		07	43.4

H= 20 04 37.7
36°.4N, 71°.3E
H I N D U K U S H
Depth about 160km.

Continuation
March, 1968

24	Wr	P	00	12	00
	Qt	eP		13	05.5d
24	Qt	eP	02	35	38.3d

March, 1968

24	Qt	eP	07	25	55.0c
		eS		37	00.0
24	Qt	eP	13	51	47.0d
24	Qt	eP	16	08	16.2
		eS		15	54.0

Mu Sec
MH 2.9 20
△ = 54°.9
Mag= 5.7(Qt)

24	Qt	eP	17	32	23.3d
25	Qt	eP	01	09	10.1d
25	Wr	P	04	59	55
	Qt	eP	05	01	02.2c
		eS		03	09.2
25	Qt	eP	16	54	30.2c
25	Ch	P	00	48	29
		S		53	38
	Lh	P		50	40
	Wr	P		51	05
	Qt	eP			12.5d
26	Qt	eP	04	45	35.8d
		eS		48	25.0
	Wr	P		46	28
26	Qt	eP	10	52	17.6c
26	Wr	P	15	03	45
		S		04	13
	Lh	P			30
		S		05	30
	Qt	eP		04	40.0d
		eS		05	52.4

H= 15 03 07.4
35°.9N, 70°.2E,
HINDUKUSH
Depth about 160 Km.

26	Qt	eP	19	25	09 Onset Poor.
26	Qt	eP	19	43	15.4c
26	Ch	P	19	48	03
	Lh	P		49	57
	Wr	P		50	18
		S		58	44
	Qt	eP		50	39.3d
		eS		59	22.8
26	Qt	eP	21	43	54.0d
27	Wr	P	03	22	20
		S		23	10
	Qt	eP			28.8c
		eS		25	13.6

International Seismological Centre

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March 1968

27	Qt	eP	17	16	10.1c
27	Qt	eP	19	03	18.6c
27	Ch	P	22	45	26
		S		52	21
	Wr	P		47	50
	Lh	P			53
		S		56	17
	Qt	eP		48	05.6
		eS		57	24.0
27	Qt	eP	23	42	13.3d
28	Qt	eP	00	08	51.1
28	Qt	eP	01	26	39.4c
28	Qt	eP	01	29	57.6c
28	Qt	eP	07	47	21.5
		eS		54	09.6

	Mu	Sec
MU	5.7	20

$\angle$ = 47°.0
Mag= 5.8(Qt)

28	Qt	eP	13	04	15.5d
28	Qt	eP	13	57	04.9d
	Wr	P			14
28	Qt	eP	16	45	12.1c
28	Qt	eP	23	07	56.0c
29	Qt	eP	02	49	16.6d
		eS		50	43.4
29	Wr	P	06	50	00
	Qt	eP			45.4c
		eS		52	20.6
29	Qt	eP	14	40	26.7c
29	Wr	P	19	01	21
		S			54
	Qt	eP		02	14.6d
		eS		03	33.7
29	Qt	eP	19	14	17.5c
29	Qt	eP	20	27	40.8
30	Qt	eP	12	39	07.5c
30	Qt	eP	12	50	54.4c
30	Qt	eP	22	22	45.4
31	Qt	eP	00	46	51.2d

March, 1968

31	Qt	eP	01	25	28.3d
31	Qt	eP	03	22	41.9c
		eS		28	58.0
31	Qt	eP	08	29	16.7c
31	Qt	eP	14	30	39.3c
31	Qt	eP	17	20	23.7d
31	Qt	eP	18	13	45 Onset Poo
		eS		15	20.9
31	Qt	eP	23	02	09.2d
		e(S)		06	23.7
31	Qt	eP	23	44	22.7d

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

24 APR 1968

International Seismological Centre

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

PAKISTAN

No.SS-9(2)/68/1578 Quetta, the 19th April, 1968

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

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

Provisional Readings at Seismological Stations from 1st to 8th April, 1968

Additional

March, 1968

24	Ml	eP	00	12	13.5
		eS		13	27.0
24	Ch	eP	16	05	51
	Wr	eP		07	39.5
25	Ch	eP	16	52	04
26	Ml	iP	15	04	10.1c
		eS			52.7
	Kr	eP		05	44.6
		eS		07	49.1
26	Ml	eP	19	50	04.3
	Kr	eP			29.9
27	Kr	eP	22	47	59.2
28	Wr	eP	07	47	38.5
28	Lh	eP	13	57	22
29	Wr	P	19	01	21
		S			54
	Ml	iP			45.2d
		iS		02	37.0
	Lh	eP		04	
		eS		03	09
	Qt	eP		02	14.6d
		eS		03	33.7

H - 19 : 00 : 36
36.2N, 70.0E
HINDUKUSH
Depth about 223 km

31	Ch	eP	03	19	07
		eS		21	07
31	Wr	eP	08	28	53.4
31	Ch	eP	22	59	20

Continuation
April, 1968

1	Ch	P	00	49	11
		S		54	56
	Lh	P		50	54
	Qt	iP		51	33.6c
		eS		59	12.7
	Kr	P		51	47
1	Qt	eP	06	06	22.5d
1	Qt	eP	06	47	09.4d
1	Ch	P	07	20	25
		S		26	15
	Qt	eP		22	47.0c
		e(S)		30	45.3
1	Qt	eP	09	13	12.8d
1	Qt	eP	16	31	18.6c
1	Qt	eP	23	40	04.6d
2	Qt	eP	08	31	31.3
2	Qt	eP	18	20	05.6d
3	Qt	eP	00	04	56.0
3	Qt	eP	05	05	09.5
3	Qt	iP	12	28	18.5c
		eS		29	38.5
3	Qt	eP	13	42	33.5
3	Qt	eP	15	30	24.2c
3	Qt	eP	16	36	34.2c
		eS		46	26.0

	Mu	Sec.
MH	2.4	20

$\triangle = 78^{\circ}.3$
Mag = 5.6 (Qt)

4	Kr	P	01	44	45.2

International Seismological Centre

April, 1968

4	Kr	P	01	44	45.2
	Qt	eP		45	48.0c
		eS		46	56.0
	Wr	P			55.0

H = 01 : 44 : 20
Lashela Coast (West Pakistan)
in Arabian Sea.

4	Qt	eP	09	25	01.1c
4	Qt	eP	13	45	22.7c
4	Qt	eP	21	49	03.1c
4	Qt	eP	22	26	21 Onset Poor
4	Qt	eP	23	22	30.3d
5	Qt	eP	00	41	08.0
		eS		42	49.5
5	Wr	P	06	18	20
		S			47
	Qt	eP		19	19.8c
		eS		20	33.3
5	Qt	eP	17	03	39.6d
5	Qt	eP	19	44	10.1d
5	Wr	P	20	30	38
		S		31	19
	Qt	eP			41.1d
		eS		33	14.3
5	Qt	eP	21	56	14.6d
		eS		57	36.9
5	Qt	eP	22	15	04.3c
5	Qt	eP	22	47	44 Onset Poor
6	Qt	eP	06	03	42.4d

April, 1968

6	Qt	eP	12	48	38.4
		eS		49	49.3
6	Qt	eP	18	51	09.6d
6	Qt	eP	20	52	33.5c
		eS		53	54.8
6	Qt	eP	21	51	11.1c
6	Qt	eP	23	00	02.6c
7	Qt	eP	02	57	50.3c
7	Qt	eP	04	52	15.6c
		eS	05	02	10.1

	Mu	Sec
MH	4.3	20

△ = 78°.9
Mag. 6.0(Qt)

7	Qt	eP	07	06	09.4d
7	Qt	eP	07	45	11.4d
7	Qt	eP	19	31	07 Onset Poor
8	Qt	eP	15	01	17.5c

(K.U.Siddiqi)
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)/68/ Quetta, the April1 1968

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

x-Unidentified Phase, c-Compression
d-Dilatation

Provisional Readings at Seismological Stations from 9th to 15th April, 1968

Additional

April, 1968

1	Ml	eP	00	50	44.6
1	Lh	eP	07	21	58
		eS		29	02
	Wr	eP		22	10.5
3	Wr	eP	12	27	18.9
		eS			51.9
3	Wr	eP	16	36	01.2
	Lh	eP			04
	Kr	eP			54.6
5	Wr	eP	06	18	20.0
		eS			47.0
	Ml	eP			46.0
		eS		19	28.5
		eS		20	33.3

H - 06 : 17 : 45
35.8N, 70.2E
HINDUKUSH
Depth about 160 km

5	Wr	eP	20	30	38
		eS		31	19
	Ml	iP		30	52.0d
		iS		31	43.0
	Lh	eP			12
	Qt	eP			41.1d
		eS		33	14.3

H - 20 : 29 : 45
36.9N, 71.1E
Afghanistan
Depth about 33 km

5	Wr	eP	21	55	14.7
		iS			48.1
	Ml	eP			33.9
		iS		56	21.1
	Qt	eP			14.6d
		eS		57	36.9

H = 21 : 54 : 30
36.4N, 71.0E
HINDUKUSH
Depth about 223 km.

5	Wr	eP	22	46	47+
		eS		47	49.6

April, 1968

6	Wr	iP	20	51	35.3c
		iS		52	08.0
6	Wr	eP	21	50	50.4
7	Lh	eP	04	51	47
7	Wr	eP	05	25	47.3

Continuation

April, 1968

9	Wr	P	01	15	21
	Qt	eP		16	35.6d
		eS		17	57.2
9	Wr	P	01	27	25
	Qt	eP		28	29.4d
		eS		29	48.2
9	Qt	eP	02	47	49.2c
	Lh	P		48	35
9	Qt	eP	02	58	13.6
9	Qt	iP		11	45 18.6d
9	Qt	eP		22	44 46.0c
10	Qt	eP		01	21 13.7c
10	Qt	eP		04	35 46.9c
10	Qt	eP		13	33 22.7d
10	Qt	eP		17	01 25.4c
10	Qt	eP		19	01 28.8
10	Qt	eP		19	25 02.7d
11	Qt	iP	00	30	42.4c
11	Qt	iP	06	54	49.4d
11	Qt	eP	17	32	41.0c
11	Qt	eP	20	52	21.9c
12	Qt	eP	01	15	54.8d
12	Wr	P	10	34	51
	Qt	eP		35	38.3c
		eS		36	57.8
12	Qt	eP	11	45	05.9
12	Wr	P	13	08	22
	Qt	eP			37.3
12	Qt	eP	16	51	48.7
12	Qt	eP	19	55	51.8d
13	Wr	P	00	44	15
	Qt	eP		45	16.7d

April, 1968

13	Qt	eP	17	45	17.5
13	Qt	eP	18	38	30.6c
13	Qt	eP	21	28	21.0c
13	Qt	eP	23	36	51.3
14	Qt	eP	06	06	19.2
14	Wr	P	13	14	51
	Qt	eP		15	26.2c
		eS		24	00.5

April, 1968

14	Qt	eP	14	43	42.7
14	Qt	eP		15 05	03.6
14	Q				
14	Qt	eP	15	05	03.6
15	Qt	eP	08	07	05.3
15	Qt	eP	17	03	18.8d

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

8 MAY 1968

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)/68/ /798 Quetta, the 4 April, 1968

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

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

Provisional Readings at Seismological Stations from 16th April, to 23rd April, 1968

Additional
April, 1968

9	Ml	eP	01	15	33.2
9	Wr	P	01	27	25
	Ml	eP			45.2
		eS		28	30.5
	Qt	eP			29.4d
		eS		29	48.2

	Mu	Sec
PZ	0.005	0.6

H - 01 : 26 : 47
36°.2N, 71°.1E
H I N D U K U S H
Depth about 160 km
Mag - 4.1(Qt)

9	Wr	eP	02	47	25 ±
11	Wr	iP	00	30	28.7c
11	Wr	eP	06	54	10.4
12	Ml	eP	10	35	18.0
12	Wr	eP	16	51	42 ±
13	Wr	eP	18	38	10.7
14	Lh	eP	13	14	41
	Kr	eP		15	41.1
15	Lh	eP	08	07	16
15	Kr	eP	17	03	00.8

Continuation

April, 1968

16	Qt	eP	05	06	05.3d
16	Qt	eP	05	24	21.3c
16	Wr	P	07	34	51
		S		35	23
	Qt	eP			10.1c
		eS			57.9
16	Qt	eP	09	48	10.2c
16	Qt	eP	13	14	12.8d
16	Qt	eP	14	05	33.9c
16	Qt	eP	15	56	05.6c
16	Qt	eP	20	06	16.9
16	Qt	eP	20	19	12.0d
		eS		20	07.4
16	Qt	eP	22	40	21.5d

April, 1968

17	Qt	eP	09	22	04.8d
17	Wr	P	09	51	20
		S			49
	Lh	P		52	00
		S			59
	Qt	eP			22.7
		eS		53	42.5

	Mu	Sec
PZ	0.04	0.9

H = 09 : 50 : 41
36°.1N, 71°.1E
HINDUKUSH
D Depth about 190 Km
Mag-4.6(Qt)

17	Qt	eP	11	58	11.7c
	Wr	P			44
17	Wr	P	13	12	07
	Ml	P			28
		S	13	13	11
	Lh	P		12	47
		S		13	46
	Qt	eP			11.7
		eS		14	26.8

	Mu	Sec
PZ	0.1	0.9

H = 13 ; 11 ; 33
35°.8N, 71°.1E
HINDUKUSH
Depth about 160 km
Mag - 5.2(Qt)

	Kr	P	13	14	16
		S		16	22
17	Qt	eP	15	20	48.4c
		eS		28	30.7
17	Qt	eP	22	27	49.4c
		eS		29	06.3
18	Qt	eP	03	52	13.6c

April, 1968

18	Ch	P	13	37	25
		S			50
	Qt	eP		40	47.6
19	Qt	eP	05	49	04.9d
19	Qt	eP	07	19	59.2c
		eS		22	05.0
19	Qt	eP	09	22	55.1d
19	Qt	eP	12	14	51 Onset poor
		e(S)		16	07.1
19	Qt	eP	16	40	32.1 Onset poor
19	Qt	eP	16	58	34.1c
19	Qt	eP	20	01	15.2d
		eS		02	32.9
19	Qt	eP	23	37	13.3c
		eS		38	19.4
20	Qt	eP	01	19	56.1d
20	Qt	eP	04	36	06.5 Onset poor
		eS		37	22.5
20	Qt	eP	07	24	18.1c
20	Qt	eP	07	34	49.4d
20	Qt	eP	07	45	24.8c
20	Qt	eP	09	55	47.2c
20	Qt	eP	10	29	38.9d
		eS		39	29.6
20	Qt	eP	12	44	07.4c
20	Qt	eP	13	13	24.5c
20	Qt	eP	14	03	35.4d
20	Qt	eP	17	09	23.2
20	Ch	P	17	52	29
		S			51
	Qt	eP		54	57.9
20	Qt	eP	17	59	31.7c
20	Qt	eP	20	03	33.6c
21	Qt	eP	06	55	47.9d
21	Wr	P	08	29	57
	Qt	eP		30	50 Onset Poor
		eS		33	40
21	Ch	P	08	42	28
		S		49	27
	Wr	P		43	43
	Qt	eP		44	19.2c
		eS		53	01.1

	Mu	Sec
MH	7.7	20

△ = 65°.6
Mag = 6.0 (Qt)

21	Qt	eP	09	44	00 Onset Poor
	Wr	P			09
21	Qt	eP	09	47	07.8c
21	Qt	eP	22	47	34.5

April, 1968

22	Qt	eP	14	32	51.9c
23	Qt	eP	01	40	24.4c
23	Wr	P	02	44	57
		S		45	56
	Ml	P			18
	Qt	eP			51.9
		eS		47	38.8

	Mu	Sec
PZ	0.02	0.5

H - 02 : 43 : 38
39°.3N, 69°.8E
Tadzhik S.S.R.
Depth about 223 km
Mag = 4.6 (Qt)

23	Qt	eP	05	27	02.5
23	Wr	P	06	45	52
	Ml	P		46	13
		S			56
	Qt	eP			55.3d
		eS		48	13.4
	Kr	P	06	47	58
		S		50	05
	Ch	P			08
		S		54	11

H = 06 : 45 : 14
36°.2N, 70°.9E
HINDUKUSH
Depth about 160 km.

23	Qt	iP	12	41	14.6d
		eS		43	12.0
	Kr	(P)		41	41
	Wr	P		42	20

	Mu	Sec
PZ	0.1	0.9

Southern Iran
Mag = 5.5(Qt)

23	Qt	eP	15	53	41.4
		eS		55	13.1
23	Qt	eP	19	30	40.8c
23	Wr	P	20	41	29
	Lh	P			38
		S		51	54
	Ch	P		41	48
		S		52	11
	Qt	iP		41	56.0d
		eS		52	22.0

	Mu	Sec
MH	10.2	20

△ = 85°.2
Mag = 6.2 (Qt)

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

International Seismological Centre

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PAKISTAN METEOROLOGICAL DEPARTMENT
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POST BOX NO. 2, QUETTA

P A K I S T A N

No.SS-9(2)/68/1936 Quetta, the 11th May, 1968

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

x-Unidentified Phase, c-Compression

d - Dilatation

Provisional Readings at Seismological Stations from 24th to 30th April, 1968

Additional
April, 1968

16	Wr	P	07	34	51
		S		35	23
	Qt	eP			07.9
		eS			49
	Ml	eP			13.0
		eS			56.5

H - 07 : 34 : 17
32°.7N, 69°.5E
Pakistan-Afghanistan Border
Depth about 33 km

16	Ml	eP	09	46	45.4
	Wr	eP			57.9
	Kr	eP		48	56.2
17	Ml	eP	09	51	40.5
		eS		52	22.5
	Kr	eP		53	26.9
		eS		55	33.5
17	Kr	eP	13	14	15.7c
		eS		16	22.5
18	Wr	eP	03	52	46 ± Onset Poor
18	Wr	eP	13	40	31 ± Onset Poor
19	Wr	eP	12	14	45.2
		eS		15	34.2
19	Wr	eP	20	00	22.4
		iS			57.1
	Ml	eP			46.0
		iS		01	38.0
	Lh	eP			05
	Qt	eP			15.2d
		eS		02	32.9

	Mu	Sec
PZ	0.01	0.5

H - 19 : 59 : 36
36°.4N, 70°.0E
H I N D U K U S H
Depth about 223 km
Mag - 4.2 (Qt)

April, 1968

19	Wr	eP	23	36	48.2
19	Wr	eP	04	35	32 ± Onset Poor
20	Ch	eP	07	42	37
20	Wr	eP	10	29	43.0
21	Ml	eP	08	43	35.5
	Lh	eP			36
22	Wr	eP	14	32	32.7
23	Lh	eP	06	46	33
	Kr	eP		47	58.5c
		eS		50	05.2
23	Ml	eP	20	41	31.9
	Kr	eP		42	22.4d
		eS		52	54.9

Continuation:
April, 1968

24	Qt	eP	03	11	11.1c
		eS		16	44.8
	Wr	P		11	44
24	Qt	eP	05	31	33.1
24	Qt	eP	08	25	00.4c
		eS		33	36.3
	Wr	P		25	16

	Mu	Sec
MH	3.5	
△	36°.1	20

Mag= 5.6(Qt)

24	Qt	eP	10	40	47.8d
24	Qt	eP	14	10	55.9d
24	Wr	P	14	12	42
	Qt	eP			58.4c
		e(S)		20	26.7
24	Qt	eP	16	28	07 Onset Poor
24	Qt	eP	19	38	43.6d
	Wr	P		39	16

International Seismological Centre

April, 1968

24	Qt	eP	20	29	52.9c
24	Qt	eP	22	25	38.2d
		eS		26	44.3
24	Wr	P	23	55	42
	Qt	eP			55.8c
25	Qt	eP	03	37	17.4d
		eS		41	27.8
25	Qt	eP	06	11	14.7d
25	Qt	eP	21	44	31.1c
26	Qt	eP	03	01	56.5c
		eS		04	57.1
	Wr	P		02	26
26	Qt	eP	10	51	37.7c
26	Qt	eP	12	13	50.5d
26	Qt	eP	13	28	02.9c
26	Ch	P	13	29	23
	Qt	eP		31	20.7c
		eS		38	32.0

	Mu	Sec
PZ	0.03	1.0
MH	2.1	20

△ = 50°.7
Mag= 5.4(Qt)

26	Qt	eP	15	18	10	Onset Poor
	Ch	P			43	
26	Qt	eP	15	29	26.2c	
26	Qt	ePKP	18	07	08.6	
26	Qt	eP	20	03	58.9	
		eS		05	19.7	

	Mu	Sec
PZ	0.02	0.8

△ = 7°.1
Mag= 4.9(Qt)

26	Qt	eP	20	27	18.4d
		eS		28	37.6
26	Qt	eP	21	02	27.4c
26	Qt	eP	21	14	28.8c
26	Qt	eP	21	32	43.6c
26	Ch	P	23	17	23
	Qt	eP		20	03.8d
27	Qt	eP	04	02	40.1c
		eS		04	02.1

April, 1968

27	Qt	eP	12	00	23 Onset Poor
		eS		01	46.8
27	Qt	eP	15	30	41.4
		eS		32	33.7
27	Qt	eP	18	22	49.7
27	Qt	eP	23	01	37.6c
		eS		02	58.4
28	Ch	P	04	29	22
	Qt	iP		30	25.6
		eS		40	32.5
28	Ch	P	07	05	29
		S		06	39
	Qt	eP		09	53 Onset Poor
28	Qt	eP	10	22	44.4c
	Ch	P		23	01
28	Qt	eP	18	50	20.9c
28	Qt	eP	19	35	07.3c
29	Qt	eP	00	54	32 Onset Poor
29	Qt	eP	16	47	26.7
29	Qt	eP	17	06	40.2
		eS		10	28.1
	Lh	P		07	26

Turkey-Iran Border Region

	Mu	Sec
MH	15.1	20

△ = 21°.1
Mag = 5.8(Qt)

29	Qt	eP	18	39	23.8d
29	Qt	eP	20	01	56.9d
30	Qt	eP	06	01	31.7c
30	Qt	eP	16	48	18.1d

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

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

International Seismological Centre

No.SS-9(2)/68/ 2055 Quetta, the 18th May, 1968

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

x - Unidentified Phase, c-Compression

d - Dilatation

Provisional Readings at Seismological Stations from 1st May to 8th May, 1968

Additional
April, 1968

24	Wr	eP	16	27	14.3
26	Kr	eP	03	02	32.6
	Ml	eP			50.8
	Ch	eP		05	45
26	Wr	eP	20	03	00.3
		eS			33.3
	Ml	eP			19.0
		eS		04	07.1
	Qt	eP		03	58.9
		eS		05	19.7

	Mu	Sec
PZ	0.02	0.8

$\triangle = 7^{0}.1$

H = 20 : 02 : 15
$36^{0}.5$N, $70^{0}.9$E
H I N D U K U S H
Depth about 223 km
Mag - 4.9 (Qt)

26	Wr	eP	20	26	56.2
		eS		27	30.6
27	Wr	eP	04	01	38.5
		eS		02	11.5
28	Wr	eP	04	29	54.2
29	Wr	eP	17	06	55.8
	Kr	eP		07	12.2
	Ch	eP		10	02

Continuation

May, 1968

1	Qt	ePKP	00	09	48.7c
1	Qt	eP	01	43	36.3c
		eS		45	03.9

May, 1968

1	Ch	eP	04	39	15
	Qt	eP		41	01.9d
		eS		49	52.0

	Mu	Sec
MH	1.1	20

$\triangle = 67^{0}.1$
Mag = 5.6(Qt)

1	Qt	eP	06	05	25.7c
1	Ch	eP	08	52	09
	Qt	eP		54	04.0c
		eS	09	02	32.1
1	Qt	eP	14	45	46.8d
1	Qt	eP	19	23	05.7c
		eS		31	25.8
2	Qt	eP	00	31	02.0d
		eS		35	12.3

	Mu	Sec
PZ	0.01	1.0

$\triangle = 23^{0}.8$
Mag = 4.3(Qt)

2	Qt	eP	05	35	56.1c
		e(S)		39	06.8
2	Qt	eP	05	48	33 Onset Poor
2	Qt	eP	05	58	44.5d
2	Qt	eP	07	52	20.1c
2	Qt	eP	08	10	17.8c
2	Qt	iP	09	31	05.1d
		eS		32	23.6

	Mu	Sec
PZ	0.02	0.5

$\triangle = 6^{0}.9$
Mag = 4.5 (Qt)

May, 1968

2	Qt	iP	11	57	50.5c
2	Qt	eP	15	57	55.5c
2	Qt	oP	17	06	52 Onset Poor
2	Lh	P	23	36	32
		S		45	00
	Qt	iP		37	06.7c
		eS		46	04.8

Mu	Sec
MH 2.3	20

△ = 68°.5
Mag= 5.8 (Qt)

3	Lh	P	05	40	47
		S		47	11
	Qt	eP		41	38.1c
		eS		48	45.8
	Ch	P		43	40
3	Qt	eP	14	35	24 Onset Poor
		eS		36	30.3
3	Qt	eP	16	26	18.2c
3	Qt	eP	18	39	56.9d
4	Qt	eP	03	30	51.8c
		eS		38	30.1
4	Qt	eP	18	12	56.1c
4	Qt	eP	20	05	03.9d
		eS		06	11.6
4	Qt	eP	22	19	37.7d
4	Qt	eP	23	04	37.2d
5	Qt	eP	07	30	52.7d
5	Qt	eP	08	55	03.9
		eS		56	23.6
5	Qt	eP	12	36	02.3d
5	Qt	eP	18	06	08.9c
		eS		07	22.4

Mu	Sec
PZ 0.01	0.5

△ = 6°.5
Mag = 4.2(Qt)

5	Qt	eP	17	59	11 Onset Poor
		eS	18	00	37.7
5	Qt	eP	21	13	33.1d
6	Qt	eP	11	24	24.5d
6	Qt	eP	14	56	49.4c
6	Qt	eP	17	56	09.4d
6	Lh	P	20	51	11
	Qt	eP		51	29.1d
		oS		52	48.7

Muc	Sec
PZ 0.04	0.8

△ = 7°.1

Kr	P	20	52	35
	S		54	43

H = 20 : 49 : 47
36°.3N, 71°.0E
H I N D U K U S H
Depth about 223 km.
Mag.= 4.6 (QT).

May, 1968

7	Qt	eP	03	35	26.6d
7	Qt	eP	07	19	59.2d
		eS		21	22.1
7	Qt	eP	08	34	55.1d
		eS		36	10.2
7	Qt	oP	09	19	16.1c
7	Qt	eP	12	01	24.8c
7	Qt	oP	19	08	31 Onset Poor
7	Qt	eP	23	58	22.5d
8	Qt	eP	04	38	21 Onset Poor
		eS		39	27.3
8	Qt	oP	11	18	47 Onset Poor
		eS		29	32.8

Mu	Sec
MH 1.1	20

△ = 89°.5
Mag= 5.7(Qt)

8	Qt	eP	12	31	33 Onset Poor
8	Qt	eX	12	34	25.9
		e(S)		45	02.0
8	Qt	eP	12	47	04 Onset Poor
8	Lh	P	22	46	34
		S		47	37
	Qt	eP			02.3d
		eS		48	30.3
	Kr	P			04
		S		50	12

H - 22 : 45 : 12
36°.5N, 71°.8E
H I N D U K U S H
Depth about 223 km.

(K. U. Siddiqi)
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

31 MAY 1968

International Seismological Centre

No.SS-9(2)/68/ 3061 Quetta, the 27 May, 1968

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

x-Unidentified Phase, c-Compression

d - Dilatation

Provisional Readings at Seismological Stations from 9th to 15th May, 1968

Additional
May, 1968

1	Wr	iP	00	11	05.2d
	Ml	iP			09.0c
	Ch	eP			14
	Lh	eP	08	53	20
	Wr	eP			29.1
2	Ch	eP	00	27	17
		eS			34
2	Ch	eP	05	49	15
		eS		52	16
2	Wr	eP	09	30	07.9
		eS			39.3
2	Ch	eP	23	34	23
		eS		41	01.5
	Ml	eP		36	40.3
	Wr	iP			53.4c
	Kr	eP			54.2c
3	Ch	eP	05	38	49
		iS		43	40
	Wr	iP		41	05.4d
		eS		47	45.3
	Kr	eP		41	45.9c
4	Kr	eP	20	04	00.8
5	Wr	eP	08	54	02.2
		eS			32.2
6	Wr	iP	20	50	30.4c
		iS		51	00.4
	Ml	eP		50	51.5
7	Wr	eP	03	34	28.3
		eS			57.8
7	Ml	i(P)	07	19	18.7c
		iS		20	05.8
	Wr	iP		18	59.5

May, 1968

May, 1968

7	Wr	iP	08	33	53.4d
		iS		34	20.0
	Ml	eP			17.1
		iS		35	00.5
	Lh	eP		34	38
		eS		35	36
	Qt	eP		34	55.1d
		eS		36	10.2

	Mu	Sec
PZ	0.01	0.8

△ = 6°.7
H = 08 : 33 : 18
35°.9N, 70°.6E
HINDUKUSH
Depth about 160 km
Mag = 4.3(Qt)

7	Ch	eP	09	19	55
8	Kr	eP	04	37	18.3
		eS			31.7
8	Wr	iP	22	45	57.4d
		iS		46	34.1
	Ml	iP			12.6d
		eS			57.4

Continuation:
May, 1968

9	Qt	eP	04	30	26.3d
9	Qt	eP	07	38	53.9c
9	Qt	eP	12	52	31.9c
		eS		53	40.9
9	Qt	eP	12	59	28 Onset Poor
9	Qt	eP	13	11	48.3d
9	Qt	eP	14	32	02.9c
9	Qt	eP	18	22	38.2d
9	Qt	eX	18	25	24.1
9	Qt	eP	23	52	04 Onset Poor
10	Qt	eP	00	18	01.5c
10	Qt	eP	01	03	23.5d
		e(S)		04	30.1

Continuation
May, 1968

10	Wr	P'	09	31	45 a
	Qt	eP		32	18.1
		eS		39	24.0

	Mu	Sec
MH	3.9	20

△ = 49°.8
Mag= 5.8 (Qt)

10	Wr	P	15	17	33
	Qt	eP		18	05.5
		eS		25	13.2

	Mu	Sec
MH	3.2	20

△ = 50°.0
Mag= 5.7(Qt)

10	Wr	P	20	41	28
	Qt	eP			58.9d
		eS		49	05.9

	Mu	Sec
MH	3.4	20

△ = 50°.0
Mag = 5.7(Qt)

10	Qt	eP	23	07	11.2d
11	Qt	eP	00	16	53.4d
11	Wr	P	00	17	21
		S	00	18	12
	Qt	eP			29.5c
		eS		20	14.8

	Mu	Sec
PZ	0.02	0.8

△ = 9°.6

Ml	P	00	17	33
	S		18	30

H - 00 : 16 : 14
38°.4N, 72°.7E
Tadzhik S.S.R.
Depth about 160 km
Mag = 4.8(Qt)

11	Qt	eP	12	16	50.5d
11	Qt	eP	15	46	09.9c
		eS		56	27.7
12	Qt	eP	04	35	09.8c
12	Wr	P	05	23	31
	Qt	eP		24	35.5d
		eS		25	57.2

May, 1968

12	Qt	eP	11	23	48.6d
12	Qt	eP	16	51	17.5d
		eS		52	16.0
12	Qt	eP	21	24	38 Onset Poor
13	Qt	eP	02	52	02.9d
		eS		56	29.8

	Mu	Sec
PZ	0.009	0.8

△ = 26°.1
Mag= 4.6 (Qt)

13	Qt	eP	12	09	23 Onset Poor
		eS		12	23.6
13	Qt	eP	16	31	05.1d
		eS		32	25.7

	Mu	Sec
PZ	0.01	0.7

△ = 7°.1
Mag= 4.0(Qt)

13	Qt	eP	23	15	55.8c
14	Qt	eP	01	27	36.5d
14	Lh	P	02	42	35
		S		43	34
	Qt	eP		42	54.9d
		eS		44	10.1
14	Qt	eP	05	55	51.3d
14	Lh	P	14	13	20
	Qt	iP		14	09.9c
		eS		22	38.8

	Mu	Sec
MH	24.4	20

△ = 63°.4
Mag = 6.3(Qt)

Kr	P	14	14	21	
	S		23	20	
14	Qt	eP	19	14	12.5c
14	Qt	eP	19	22	04 Onset Poor
14	Qt	eP	19	54	39.0c
15	Qt	eP	08	01	26.7d
		eS		09	43.8

	Mu	Sec
PZ	0.07	1.1
MH	2.5	20

△ = 61°.4
Mag= 5.7(Qt)

Lh	P	08	02	02	

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May, 1968

15	Qt	eP	08	18	36.5	
		eS		19	15.9	
	Lh	P		18	53	
15	Qt	eP	11	15	25.9c	
15	Qt	eP	12	49	52.8d	
15	Qt	.eP	15	19	24	Onset Poor

May, 1968

15	Lh	P	15	51	00	
		S			33	
	Qt	iP		52	01.3d	
		eS		53	23.5	
15	Qt	eP	18	07	42.7d	
		eS		09	14.4	

	Mu	Sec
PZ	0.005	0.6
△ =	8°.1	
Mag=	3.9(Qt)	

15 Qt eP 23 23 22 Onset Poor.

(K.U.Siddiqi)T.I.,
for Director,
Moteorological Services.

.....

26 JUN 1968

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)/68/ 4281 Quetta, the 20th June, 1968

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

Ml - Mangla

x-Unidentified Phase, c-Compression
d - Dilatation

Provisional Readings at Seismological Stations from 24th to 31st May, 1968

Additional
May 1968

16	Ml	eP	00	58	30.8
16	Lh	eP	06	46	20
	Kr	eP		47	21.0
16	Lh	eP	09	07	41
	Kr	eP		08	40.6
16	Ml	eP	10	48	28.0
	Wr	eP			34.6
16	Lh	eP	15	02	03
16	Kr	eP	16	24	22.4
16	Ch	eP	18	51	41
	Ml	eP		52	42.0
	Kr	eP		53	45.8
16	Kr	eP	19	27	15.7
16	Ch	eP	20	30	39
		eS		37	26
	Ml	eP		31	38.6
	Kr	eP		32	44.4
16	Lh	eP	21	12	51
17	Wr	eP	05	29	17.2
17	Ml	eP	10	52	19.8
	Lh	eP			20
17	Lh	eP	13	12	03
		eS		19	39
17	Lh	eP	16	12	01
		eS		19	47
17	Lh	eP	18	26	38c
17	Wr	eP	19	58	37.0
17	Lh	eP	22	45	48
17	Wr	eP	23	26	50.1
18	Wr	iP	13	41	14.0d
		iS			45.9
	Ml	eP			34.5
		eS		42	22.4
	Lh	eP		41	55
		eS		42	56
	Qt	eP			13.6d
		eS		43	31.9

	Mu	Sec
PZ	0.04	0.7

H - 13 : 40 : 32
36°.2N, 70°.8E
H I N D U K U S H REGION
Depth about 223 km
Mag - 4.6 (Qt)

May, 1968

19	Wr	eP	04	22	19.8
19	Wr	eP	15	13	57.1
19	Ml	eP	16	57	52.0
		eS		58	33.8
	Kr	eP		59	37 ±
19	Wr	eP	21	46	00.1
19	Kr	eP	22	27	18.9
20	Wr	eP	02	41	16.3
20	Lh	eP	03	25	56
20	Wr	eP	04	24	18.9
20	Wr	eP	04	47	10.0
20	Lh	eP	07	03	10
20	Lh	eP	10	44	28
	Wr	eP			29.0
20	Wr	eP	20	24	39 ± Onset poor
	Kr	eP			43.6c
20	Ml	eP	21	19	40.5
21	Ml	eP	00	29	28.5
	Lh	eP			32
21	Wr	eP	01	53	06 ±
21	Ml	iP	04	01	25.0d
	Lh	eP			44
21	Ch	eP	08	27	10.5
		eS		36	37
	Ml	eP		29	56.0
	Kr	eP		30	59.2
		eS		40	07.3
21	Lh	eP	11	10	44
	Wr				46.2
21	Wr	eP	15	19	54 ± Onset poor
21	Wr	eP	15	37	36.4
21	Wr	eP	18	44	45.0
21	Lh	eP	18	57	28
		eS	19	05	33
22	Kr	eP	11	02	24.0
22	Ml	eP	19	38	49.5
	Kr	eP		39	53.5
23	Lh	eP	17	42	58
		iS		53	49
	Kr	eP		43	04.2

Continuation

May, 1968

24	Wr	P	00	06	05
	Qt	eP			41.2c

May. 1968

24	Lh	P	14	15	54
		S		23	35
	Wr	P		16	00
		S		23	44
	Qt	eP		16	36.4c
		eS		24	59.7

	Mu	Sec
PZ	0.3	1.4
MH	28.8	20

△ = 65°.2

Kr	P	14	16	55	
	S		25	31	

Mag - 6.3 (Qt)

24	Lh	P	15	52	46
		S		59	50
	Wr	P		53	09
	Qt	iP			18.3d
		eS	16	00	53.2
	Kr	P	15	56	01
24	Qt	eP	17	59	42.1d
24	Qt	eP	21	16	16.2d
24	Qt	eP	21	44	43.6c
24	Qt	eP	21	48	42.4c
25	Qt	eP	00	34	34.1
	Wr	P			44
25	Qt	oP	00	39	55 Onset poor
		eS		41	30.3
25	Qt	eP	05	38	35.4c
25	Qt	eP	08	43	35.9c
		e(S)		45	06.4
25	Wr	P	10	13	41
	Qt	oP		14	38.8c
		eS		16	14.0
25	Ch	P	12	01	26
	Wr	P		02	35
		S		10	33
	Qt	iP		03	11.2c
		eS		11	44.8

	Mu	Sec
PZ	0.1	1.1
MH	8.6	20

△ = 64°.7

Mag = 6.0 (Qt)

25	Qt	eP	14	29	15.0c
25	Qt	eP	15	39	15.7
	Wr	P		40	17
25	Qt	eP	23	40	17 Onset poor
		eS		41	49.8
26	Qt	eP	00	08	06.0d
26	Wr	P	04	11	55
	Qt	eP		12	09.8d
26	Qt	eP	14	06	03.6
26	Qt	eP	15	00	54.4
26	Qt	eP	17	51	48.6c
26	Qt	eP	23	09	29.1
27	Qt	eP	15	33	20 Onset poor

May. 1968

27	Lh	P	18	37	39
	Wr	P		38	06
	Qt	eP			46
		eS		40	51.3
27	Qt	eP	19	21	42.2c
28	Wr	P	09	25	23
	Qt	eP			29.1c
28	Ch	P	13	36	33
	Lh	P		38	29
		S		47	35
	Wr	P		38	47
	Qt	iP		39	04.1c
		eS		48	42
28	Qt	eP	15	38	28.8d
28	Wr	P	22	41	09
	Qt	iP			43.3c
		eS		51	24.0

	Mu	Sec
MH	6.0	20

△ = 76.1

Mag= 6.1(Qt)

28	Qt	eP	23	10	44.2
29	Qt	eP	00	20	09.8d
29	Qt	eP	03	57	38.7
29	Qt	iP	04	49	28.5c
29	Qt	eP	10	13	52.5
29	Qt	eP	15	04	01.5c
29	Qt	eP	23	07	17 Onset poor
		eS		08	38
30	Qt	eP	00	15	06.5d
30	Qt	iP	01	13	17.0c
		eS		15	24.1
	Wr	P		14	21
30	Qt	eP	04	43	47.1d
30	Qt	eP	04	58	45.3c
30	Lh	P	05	33	47
		S		41	53
	Wr	P		33	50
		S		41	58
	Qt	iP		34	26.2
		eS		43	09.8

	Mu	Sec
PZ	0.09	1.1
MH	1.3	20

△ = 65.9

Kr	P	05	34	49	

Mag = 5.6(Qt)

30	Wr	P	10	06	31
	Qt	eP			44.5c
30	Qt	eP	14	41	07.7d
30	Qt	eP	16	31	14.3c
30	Qt	iP	17	47	01.7d
		eS		52	17.7
	Wr	P		47	23
		S		52	57
	Lh	P		47	49
		S		53	43

International Seismological Centre

May, 1968

30	Qt	iP	18	08	49.1c
30	Qt	eP	18	35	44.1c
30	Qt	eP	19	24	20.3
30	Qt	eP	19	56	19.0d
		eS		59	15.6
	Wr	P		57	11
30	Qt	eP	20	17	47.0
30	Wr	P	21	16	18
		S			48
	Lh	P			58
		S		17	59
	Qt	iP			14.1d
		eS		18	29.0

H - 21 : 15 : 38
35°.9N, 70°.8E
HINDUKUSH REGION
Depth about 223 km

31	Qt	eP	01	59	15.6c

May, 1968

31	Wr	P	03	03	37
		S		05	07
	Qt	eP		04	15.5
		eS		06	18
31	Qt	eP	15	42	25.3c
31	Qt	eP	17	23	16.2c
31	Qt	eP	17	27	17.7d
31	Qt	eP	17	37	16.2c
31	Qt	eP	19	44	15.2
31	Qt	eP	20	02	09.2d
31	Qt	eP	22	04	41 Onset poor
31	Qt	eP	22	09	42 Onset poor

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

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

11 JUN 1968

International Seismological Centre

P A K I S T A N

No.SS-9(2)/68/ 1145 Quetta, the 8th June, 1968

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

x-Unidentified Phase, c-Compression

d - Dilatation

Provisional Readings at Seismological Stations from 16th to 23rd May, 1968

Additional

May, 1968

9	Kr	eP	12	51	28.0
9	Wr	eP	13	11	54.5
	Kr	eP			59.8c
9	Wr	eP	14	13	26.0
9	Wr	eP	23	51	20.1
		eS			59.6
10	Wr	eP	01	02	32.1d
		eS			56.1
10	Wr	eP	03	20	01 ± Onset poor
		eS			39.0
10	Kr	eP	09	32	21.7
10	Kr	eP	15	18	13.5
10	Kr	eP	20	41	59.7
11	Lh	eP	00	17	53
		eS		19	04
11	Wr	eP	12	16	58 ±
11	Lh	oP	15	45	37
	Wr	eP			53.4
		eS		56	00.1
	Kr	eP		46	07.3
12	Wr	P	05	23	31
	Ml	eP			49.8
		iS		24	32.5
	Qt	eP			35.5
		eS		25	57.2

H = 05:22:50
36°.5N, 71°.3E
HINDUKUSH REGION
Depth about 160 km

May, 1968

14	Ml	eP	02	42	14.0 ±
		iS		43	00.0
	Lh	P		42	35
		S		43	34
	Qt	iP		42	54.9d
		iS		44	10.1

H - 02:41:18
36°.9N, 70°.9E
HINDUKUSH
Depth about 160 km

14	Ml	eP	14	13	25.0
	Kr	eP		14	21.2
		eS		23	01.6
15	Wr	iP	08	02	02.4
		eS		10	51 ±
	Lh	eP		02	03
15	Wr	eP	08	18	53 ± Onset poor
15	Wr	eP	15	19	04 ±
15	Wr	iP	15	50	59.6d
		iS		51	32.6
	Ml	iP			18.4d
		iS		52	04.4
	Lh	eP		51	37
		eS		52	39
	Qt	iP			01.3d
		iS		53	23.5

	Mu	Sec
PZ	0.1	0.8

△ = 7°.3
H = 15:50:16
36°.4N, 71°.2E
HINDUKUSH REGION
Depth about 223 km
Mag - 4.9(Qt)

International Seismological Centre

May, 1968

15	Wr	eP	18	06	34.0	
		iS		07	14.0	
	Ml	iP		06	54.2c	
		iS		07	43.1	
	Qt	eP			42.7d	
		eS		09	14.4	

	Mu	Sec
PZ	0.005	0.6

$\triangle$ = 8°.1
H = 18:05:45
37°.1N, 70°.7E
HINDUKUSH REGION
Depth about 160 km
Mag- 3.9(Qt)

Continuation

May, 1968

16	Lh	P	00	58	31	
		S	01	06	42	
	Wr	eP	00	58	34 ±	
	Qt	iP		59	12.8c	
		eS	01	08	00.6	
	Kr	P	00	59	34	
		S	01	08	40	

Severe Japan shock

16	Qt	eP	04	45	12.8c
16	Qt	eP	05	21	49.1d
16	Qt	eP	05	25	23.0d
16	Wr	P	05	54	21
	Qt	eP			58.4d
16	Qt	eP	06	27	27.7c
16	Wr	P	06	40	02
	Qt	eP			39.7d
16	Wr	P	06	46	25
	Qt	eP		47	02.5d
		eS		55	22.3

	Mu	Sec
PZ	0.05	1.0

$\triangle$ = 61°.9
Japan aftershock
Mag = 5.6 (Qt)

16	Qt	eP	07	38	19.2d
16	Qt	eP	07	52	49.3d

May, 1968

16	Wr	P	07	58	04
	Qt	eP		59	10.6d
16	Qt	eP	08	30	08.6c
16	Qt	eP	08	44	21.4d
16	Wr	P	08	56	17
	Qt	eP			54.2c
16	Wr	P	09	07	46
	Qt	eP		08	23.8
		eS		16	42.7
16	Ch	P	10	47	30
		S		54	17
	Lh	P		48	29
		S		56	06
	Qt	iP		49	10.6d
		iS		57	32.9
	Kr	P		49	31
		S		57	03

Japan aftershock

16	Qt	eP	12	19	45.4c
16	Qt	eP	12	44	35.3d
16	Qt	eP	13	36	12.6d
16	Wr	P	13	59	18
	Qt	eP			55.5d
16	Qt	eP	14	12	47.9c
16	Wr	P	14	12	56
	Qt	eP		13	34.3c
16	Wr	P	15	02	08
	Qt	eP			45.4c
		eS		11	23.3

	Mu	Sec
PZ	0.06	1.0

$\triangle$ = 65°.0
Mag = 5.7 (Qt)

16	Qt	eP	15	30	39.3c
16	Qt	eP	16	07	18.6c
16	Ch	P	16	22	16
		S		29	11
	Lh	P		23	20
		S		31	06
	Wr	P		23	26
		S		31	19
	Qt	eP		24	03.2
		eS		32	30

Japan aftershock

May, 1968

16	Qt	eP	17	32	01.1c
16	Qt	eP	17	38	24.2d
16	Qt	eP	18	04	30 Onset Poor
16	Lh	P	18	52	43
	Wr	P			49
	Qt	iP		53	26.5c
		eS	19	01	40.2
16	Ch	P	19	25	10
	Lh	P		26	12
	Wr	P			17
	Qt	eP			54.9d
		eS		35	09.0
16	Qt	iP	19	54	06.0c
16	Wr	P	19	55	57
	Qt	iP		56	22.8c
16	Lh	P	20	31	41
	Wr	P			46
	Qt	eP		32	23.5d
		eS		40	42.7
16	Qt	eP	21	13	33.4d
16	Qt	eP	21	33	18.0d
16	Wr	P	21	35	33
	Qt	eP		36	09.9c
16	Qt	eP	23	07	22.0d
16	Ch	P	23	13	25
		S		20	14
	Lh	P		14	26
		S		22	10
	Wr	P		14	32
		S		22	26
	Qt	eP		15	07.9c
		e(S)		23	35.7
	Kr	P		15	28
		S		23	59
		Japan aftershock			
17	Qt	eP	00	01	52.8
17	Qt	eP	00	06	51.8c
17	Qt	eP	00	34	38.2c
17	Qt	eP	05	29	51.8c
17	Wr	P	06	34	07
	Qt	eP			53.3c
17	Qt	oP	09	12	15.1

May, 1968

17	Ch	P	10	51	19
		S		58	10
	Wr	P		52	26
		S	11	00	18
	Qt	eP	10	53	02.7c
		eS	11	01	30.8

	Mu	Sec
PZ	0.06	1.1
MH	5.5	20

△ = 63°.3
Japan aftershock
Mag = 5.8(Qt)

17	Wr	P	13	12	08
	Qt	eP			47.2
		eS		21	02.7

	Mu	Sec
MH	3.1	20

△ 64°.3
Mag = 5.8(Qt)

17	Wr	P	15	02	52
	Qt	eP		03	29.0c
17	Ch	P	16	10	40
	Wr	P		12	06
	Qt	eP			42.7
		eS		21	10.6

	Mu	Sec
MH	7.2	20

∠ = 63°.2
Japan aftershock
Mag = 6.1(Qt)

17	Ch	P	18	25	36
		S		32	24
	Wr	P		26	45
	Qt	iP		27	22.5
		eS		35	51.7
17	Qt	eP	19	59	13.2d
17	Ch	P	22	44	49
		S		51	41
	Wr	P		45	54
	Qt	eP		46	31.6c
		eS		55	00.0
17	Qt	eP	23	27	26.9d
18	Qt	oP	01	21	12.8c
18	Qt	eP	05	01	16.8d

International Seismological Centre

International Seismological Centre

May, 1968

18	Qt	eP	06	03	40.1c
18	Qt	eP	13	42	13.6d
		eS		43	31.9
18	Qt	eP	14	18	00.1c
18	Qt	eP	15	43	58.2c
18	Qt	eP	17	37	43.8c
18	Qt	eP	19	27	19.2c
19	Lh	P	04	22	10
		S		29	53
	Qt	iP		22	55.8c
		eS		31	20.0

Japan aftershock

19	Qt	eP	06	04	26.6c
19	Qt	eP	09	07	53.8d
19	Qt	eP	13	13	44.7c
19	Qt	eP	13	21	18.8c
19	Qt	eP	15	14	34.2d
19	Qt	eP	16	29	42.7c
19	Qt	eP	16	53	00.2
19	Wr	P	16	57	29
		S			59
	Lh	P		58	12
		S		59	00
	Qt	eP		58	31.2c
		eS		59	47.3

H = 16:56:51
36°.2N, 70°.9E
Hindukush Region
Depth about 160 km

19	Qt	eP	19	10	13.2c
19	Qt	eP	21	46	12.8d
19	Lh	P	22	26	17
	Wr	P			23
		S		34	10
	Qt	iP		27	00.2c
		eS		35	22.0

	Mu	Sec
MH	4.4	20

△ = 62°.2
Japan aftershock
Mag = 5.9 (Qt)

May, 1968

20	Qt	eP	00	53	26.9c
20	Qt	iP	02	41	53.7c
20	Wr	P	03	26	02
		S		33	55
	Qt	eP		26	38.5
		eS		35	06.0

	Mu	Sec
PZ	0.05	1.4

△ = 63°.3
Japan aftershock
Mag = 4.5 (Qt)

20	Qt	eP	04	24	55.2c
20	Qt	eP	04	47	45.9c
20	Ch	P	07	02	04
	Wr	P		03	17
		S		10	57
20	Wr	P	07	31	57
	Qt	eP		32	02.9c
20	Qt	eP	10	45	06.1d
		eS		53	52.8

	Mu	Sec
MH	15.9	20

△ = 66°.8
Mag = 6.2(Qt)

20	Qt	eP	13	08	21.7c
20	Qt	eP	14	41	58.5d
20	Qt	eP	17	33	15.3d
20	Qt	eP	19	24	05.1c
20	Ch	P	20	23	25
	Lh	P		24	35
	Qt	eP			45.3c
20	Ch	iP	21	18	58.5c
	Lh	P		19	44
	Wr	P			48
	Qt	iP		20	23.6c
		eS		29	16.8
	Kr	P		20	44
		S		29	50

Japan aftershock

20	Qt	eP	22	36	55.8d

May, 1968

20	Qt	eP	23	00	25.1c
20	Qt	eP	23	35	02.5c
21	Wr	P	00	29	35
	Qt	eP			45.4
21	Qt	eP	00	30	12.3c
21	Qt	oP	01	52	04.1c
21	Wr	P	04	00	56
	Qt	eP		01	22.6c
		eS		03	13.9
21	Wr	P	04	21	02
	Qt	eP			40.2c
		eS		30	02.0

	Mu	Sec
MH	1.9	20

Δ = 62°.3
Japan aftershock
Mag = 5.7(Qt)

21	Lh	P	08	29	59
		S		38	03
	Wr	P		30	02
		S		38	10
	Qt	eP		30	38.8
		eS		39	18

	Mu	Sec
MH	19.1	20

Δ 65°.2
Japan aftershock
Mag = 6.3(Qt)

21	Wr	P	11	00	50
	Qt	eP		01	14.1
21	Qt	eP	11	11	23.2c
21	Qt	eP	11	14	32.6c
21	Qt	eP	15	20	34.3c
21	Qt	eP	15	38	13.9c
21	Qt	eP	18	45	33.2c
		eS		48	24.6
21	Wr	P	18	57	31
		S	19	05	40
	Qt	eP	18	58	07.3d
		eS	19	06	47.9

	Mu	Sec
PZ	0.04	1.4
MH	2.5	20

Δ = 65°.4
Mag 5.6(Qt)

May, 1968

22	Ch	P	11	00	27
	Lh	P		01	21
		S		08	55
	Wr	P		01	25
		S		09	06
	Qt	eP		02	02.8
		eS		10	16.0

	Mu	Sec
PZ	0.08	1.2
MH	6.3	20

Δ = 60°.8
Japan aftershock
Mag = 5.9(Qt)

22	Wr	P	12	32	52
	Qt	eP		33	03.6d
		eS		34	49.2
22	Qt	eP	15	59	38.3c
22	Qt	eP	18	39	45.2c
		e(S)		42	36.8
22	Ih	P	19	38	51
		S		46	28
	Wr	P		38	58
	Qt	iP		39	35.1c
		eS		47	44.0

	Mu	Sec
PZ	0.1	1.2
MH	9.6 Δ=60.1	20

Japan aftershock
Mag - 6.0(Qt)

22	Wr	P	20	11	15
	Qt	eP			50.8d
22	Qt	eP	21	21	02.3c
23	Wr	P	14	35	07
	Qt	eP			43.9c
23	Wr	P	17	43	01
	Qt	eP			05.5
23	Qt	eX	19	01	55.7d
23	Qt	oP	19	25	14.8d
23	Qt	eP	23	42	11.2c

(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

PAKISTAN

No.SS-9(2)/68/4323 Quetta, the 22nd June, 1968

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

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

Provisional Readings at Seismological Stations from 1st to 8th June, 1968

Additional
May, 1968

24	Ml	eP	14	15	52.9	
		eS		23	31.0	
24	Ml	iP	15	52	54.9e	
		eS	16	00	08.9	
24	Lh	eP	21	44	01	
25	Wr	eP	05	37	29.7	
		eS		38	16.4	
25	Ml	eP	10	14	16.0	
		eS		15	24.5	
25	Lh	eP	12	02	28	
25	Wr	eP	14	28	40 ±	Onset Poor
25	Kr	eP	15	40	16.9	
25	Ml	eP	23	38	51.7	
		eS		39	08.9	
	Lh	eP		38	54	
		eS		39	20	
	Wr	eP			40.5	
	Qt	eP		40	17	Onset poor
		eS		41	49.8	
26	Wr	eP	04	11	54.8	
26	Lh	eP	17	51	05	
	Wr	eP			12.4	
27	Ml	eP	16	37	37.8	
		eS		38	54.2	
28	Ml	iP	13	38	36.0e	
	Kr	eP			57.2	
28	Lh	eP	22	41	12	
		eS		50	24	
	Kr	eP		42	05.0	
29	Wr	eP	23	06	33 ±	Onset Poor
	Ml	eP			38.0	
30	Kr	eP	01	13	40.7	Onset poor
	Ml	eP		14	39.5	
30	Ml	eP	05	33	43.5e	
30	Kr	eP	17	47	30.8	
30	Lh	eP	18	08	08	
30	Lh	eP	19	57	36	
30	Ml	eP	21	16	39.0	
		iS		17	26.0	
	Kr	eP		18	16.2	
		eS		20	23.2	

Continuation
June, 1968

1	Qt	eP	01	06	10.0d
1	Qt	eP	09	21	28.8e
1	Qt	iP	10	41	57.7e
1	Qt	eP	11	41	34 Onset poor
1	Qt	eP	12	34	20.7e
1	Qt	eP	13	31	20.8d
1	Qt	eP	17	11	38.6e
1	Qt	eP	22	11	39Onset poor
1	Qt	eP	23	56	50.0d
2	Qt	eP	03	55	34 Onset poor
2	Qt	eP	05	26	37.9e
2	Qt	eP	06	38	41.8e
2	Qt	eP	08	31	59.0e
2	Qt	eP	10	03	07.5d
2	Qt	eP	16	18	34.4e
2	Qt	eP	19	40	16.0e
2	Qt	eP	19	51	32.7e
2	Qt	eP	20	41	10.0d
2	Qt	eP	22	37	20.1d
3	Qt	eP	05	57	48.7d
3	Qt	eP	08	42	10.6d
3	Qt	eP	09	29	57.0e
3	Qt	eP	09	30	46.4e
		eS		40	04.0
3	Qt	eP	14	26	34.0e
		eS		34	53.6
3	Qt	eP	20	50	36.7d
		eS		53	29.1
4	Qt	eP	01	48	37.2d
		eS		51	34.9
4	Wr	P	05	13	05
	Qt	eP		14	09.8d
4	Qt	eP	06	53	54.5d
		eS		56	17.6
	Wr	P		54	33
4	Qt	eP	13	30	04.6d
4	Qt	eP	15	20	19.7d
4	Qt	iP	16	25	40.3d
4	Wr	P	17	23	24
	Qt	eP			55.4e
4	Qt	iP	17	52	15.8e
4	Qt	iP	22	37	12.5e
		eS		38	25.0

International Seismological Centre

International Seismological Centre

June, 1968

5	Wr	P	00	10	59
	Qt	eP		11	10.5
		eS		13	02.5
5	Qt	iP	12	59	05.1c
5	Qt	eP	15	18	34.7d
5	Qt	eP	22	19	15.0c
5	Qt	iP	23	17	24.2c
6	Qt	eP	06	04	46.4d
6	Qt	iP	18	31	29.3c
6	Qt	iP	19	53	01.4c
		eS	20	00	15.5
6	Ch	P	21	25	52
	Lh	P		26	40
		S		34	15
	Qt	iP		27	23.1
		eS		35	36.0
6	Qt	iP	23	02	27.6c
7	Qt	eP	00	17	57.1c
		eS		19	18
7	Qt	eP	05	59	44.9c
		eS	06	00	54.4
7	Ch	P	12	04	00
	Lh	P		06	59
		S		14	40
	Wr	P		07	22
		S		15	23
	Qt	eP		07	34.3c
		eS		15	46.7
7	Qt	eP	18	18	59.4d
7	Qt	eP	20	31	44.7
		eS		32	18.9

	Mu	Sec
PKP	0.08	0.9

Δ = 2°.0

Wr	P	20	32	16
Lh	P			20
	S		33	04

H - 20:31:12.6
30°.4N, 69°.3E
BARKHAN - SUB-DIVISION OF LORALAI DISTRICT
Mag - 3.8(Qt)

7	Ch	P	21	38	05
	Lh	P		40	21
		S		48	02
	Wr	P		40	47
		S		48	50
	Qt	eP		40	58.2c
		eS		49	12.0

June, 1968

7	Qt	eP	22	10	28.1d
8	Qt	eP	00	25	02.8d
8	Qt	eP	00	30	01.9d
8	Qt	eP	03	24	21.3c
8	Qt	eP	05	08	54.4d
8	Wr	P	05	39	36
		S		47	32
	Qt	eP		40	12.4c
		eS		48	39.9

	Mu	Sec
MH	4.2	20

Δ = 63°.2
Mag = 5.9(Qt)

8	Qt	eP	10	35	20.1d
8	Qt	eP	20	57	26.1d
8	Qt	eP	21	04	53.2c
8	Qt	eP	21	51	28.5d
8	Qt	eP	23	36	38.5d
		eS		47	07.8
	Wr	P		37	02

(K.U.Siddiqi)T.I.
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)/68 /46 Quetta, the 22nd June, 1968

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

x-Unidentified Phase, c-Compression,

d - Dilatation

Provisional Readings at Seismological Stations from 9th to 15th June, 1968

Additional
June, 1968

1	Lh	eP	10	41	14
	Wr	iP			20.1c
	Kr	eP		42	47.0
1	Wr	eP	22	10	56.7
		eS		11	34.5
2	Wr	eP	03	54	48.0
2	Lh	eP	08	31	30
	Wr	eP			43.2
5	Wr	eP	12	58	40.5
5	Lh	eP	15	17	55
	Wr	eP		18	16.6
6	Wr	eP	19	52	39 Onset poor
6	Wr	eP	21	26	45.6
6	Lh	eP	23	01	47
7	Wr	eP	00	16	59.6
		iS		17	34.9
7	Kr	eP	12	07	22.1
	Wr	eP			22.3
		eS		15	22.8
7	Kr	eP	21	40	47.8
8	Kr	eP	05	08	01.5
		eS			16.0
8	Lh	eP	05	39	31
		eS		47	23
8	Lh	eP	20	56	36
8	Kr	eP	23	36	15.1
	Lh	eP			55

Continuation
June, 1968

9	Qt	eP	01	00	57.7d
		eS		04	31.8
	Wr	iP	01	01	15.3c

June, 1968

9	Qt	eP	04	20	05.4c
9	Qt	eP	09	35	18.5d
9	Qt	eP	09	38	03.2
9	Qt	eP	10	40	43.8d
9	Qt	eP	10	44	05.5d
9	Qt	eP	11	42	47.8d
9	Qt	eP	13	12	56.9c
9	Qt	iP	13	58	31.6d
9	Qt	iP	18	09	24.6c
9	Wr	eP	19	17	59.7d
		eS		18	26.8
	Ml	iP			25.8d
		iS		19	11.9
	Qt	eP		18	58.2c
		eS		20	10.2

	Mu	Sec
PZ	0.005	0.5

△ = 6°.3
H = 19 : 17 : 25
35°.8N, 70°.2E
HINDUKUSH REGION
Depth about 160 Km
Mag - 4.0 (Qt)

9	Qt	eP	22	20	55.4d
9	Qt	iP	22	37	52.4d
10	Qt	eP	02	48	51.0d
10	Qt	eP	03	11	37.6d
10	Wr	eP	07	00	00.4
	Qt	eP		01	15.4
10	Qt	eP	12	53	19.5c
10	Wr	eP	12	53	37.5
	Qt	eP		54	05.0
10	Qt	eP	15	48	20.0d
10	Wr	eP	17	37	54.3
	Qt	eP		39	07.5
		eS		41	14.1

June, 1968

10	Qt	eP	17	49	11 Onset poor
11	Wr	iP	01	32	01.5d
		iS			31.2
	Ml	eP			23.5
		eS		33	07.4
	Qt	eP			06.5d
		eS		34	26.1

	Mu	Sec
PZ	0.005	0.7

△ = 7°.0
H = 01 : 31 : 24
36°.3N, 71°.1E
HINDUKUSH REGION
Depth about 160 Km.
Mag - 3.9(Qt)

11	Qt	eP	04	20	05.8
11	Qt	eP	06	14	12.0d
11	Ml	eP	10	32	48.9
	Qt	eP		33	05.6d
11	Qt	eP	20	39	44.7
11	Qt	eP	22	40	52.5d
12	Ch	P	04	30	62
	Wr	iP		33	54.4d
	Qt	eP		34	22.1c
		eS		38	48.0
12	Qt	eP	09	11	25.7c
12	Qt	eP	09	27	04.5d
12	Wr	P	11	20	19
	Qt	eP		21	05.5
12	Ch	P	13	50	21
		S		57	19
	Ml	eP		51	18.1
		eS		59	03.7
	Lh	P		51	20
		S		59	09
	Wr	iP		51	26.9c
		eS		59	22.8
	Qt	iP		52	03.5c
		eS	14	00	30.0
	Kr	eP	13	52	19.9c
12	Qt	eP	15	19	07.6c
12	Qt	eP	15	34	08.3c
12	Wr	eP	15	58	39.6
	Qt	eP		59	15.1c
12	Qt	eP	16	33	34.3d
12	Qt	eP	16	39	30.3c
12	Wr	eP	18	01	45.1
	Qt	eP		02	16.4
12	Qt	eP	18	37	06.1c
12	Qt	eP	18	59	07.1d
12	Wr	eP	19	05	27.2
	Qt	eP		06	03.5
12	Qt	eP	19	46	37.8d
12	Qt	eP	19	58	43.4c
12	Qt	eP	20	23	30.8d
12	Lh	eP	20	26	20
		S		34	51
	Wr	eP		26	40.1
	Qt	eP			56.5c
		eS		36	02.0

June, 1968

12	Lh	P	22	07	12
		S		14	52
	Wr	eP		07	19.3
		eS		15	06.2
	Qt	eP		07	55.8c
		eS		16	14.0

	Mu	Sec
PZ	0.08	1.0
MU	5.9	20

△ = 61°.6
Mag = 5.9(Qt)

12	Qt	eP	22	40	45.4d
12	Qt	eP	23	00	28.1c
12	Lh	P	23	34	41
	Wr	iP		35	03.9c
	Qt	eP			27.7c
		eS		42	40.0
13	Wr	eP	00	14	40.1
	Qt	eP		15	16.5d
13	Qt	eP	00	52	29.6d
13	Wr	eP	02	15	20.5
	Qt	eP			58.5c
13	Wr	eP	12	06	02.6
		eS		13	51.4
	Qt	eP		06	39.3d
		eS		15	02.0
13	Wr	eP	15	05	54.9
	Qt	eP		06	31.8c
13	Qt	eP	15	39	04.5c
		eS		40	14.1
	Wr	eP			16.6
13	Qt	eP	19	05	29 Onset Poor
		eS		06	33.8
13	Qt	eP	19	34	43.8c
		eS		35	49.4
13	Qt	eP	19	41	20.7d
13	Qt	eP	20	41	38 Onset Poor
		eS		42	44
13	Ml	eP	21	20	05.5
	Wr	eP			14.2c
		eS		28	04.3
	Qt	eP		20	50.5
		eS		29	12.0

	Mu	Sec
MH	2.9	20

△ = 62.1
Mag = 5.8(Qt)

13	Qt	eP	21	53	55.3c
13	Qt	eP	21	58	41.7

International Seismological Centre

June, 1968

13	Wr	iP	22	38	45.3d
		iS		39	18.0
	Ml	iP			04.3d
		iS			50.8
	Qt	eP			45.2d
		eS		41	04.5

Mu	Sec
PZ 0.02	0.5

△ = 7.0
H = 22 : 38 : 02
36°.4N 71°.0E
HINDUKUSH REGION
DEPTH ABOUT 160 Km
Mag - 4.2(Qt)

13	Qt	eP	23	07	18.3d
		eS		09	48
	Wr	eP		08	07.9
13	Qt	eP	23	58	51.0d
14	Qt	eP	00	56	21.2d
14	Qt	eP	01	07	15 Onset poor
14	Qt	eP	01	19	37.8c
		eS		20	14.5
	Wr	eP		19	41.4c
		iS		20	20.9
	Ml	eP		19	49.9 ±
		eS		20	35.5
14	Qt	eP	03	05	17.5c
14	Qt	eP	03	28	30.7d
		eS		36	52.0
14	Qt	eP	04	03	07.6
		eS			44.0

Mu	Sec
PZ 0.008	0.7

△ = 3°.1

	Wr	iP	04	03	11.7c
		iS			51
	Ml	eP			19.5
		eS			59.9
	Kr	P		04	01
		S		05	16

H - 04 : 02 : 29
31°.0 .N, 70°.5E
Near Leiah, West Pakistan
Depth about 33 km
Mag - 3.5(Qt)

14	Qt	eP	04	20	27 Onset Poor
14	Qt	eP	04	28	41.9
14	Qt	eP	07	08	42.0c
14	Qt	eP	07	49	02.9c
14	Qt	eP	10	59	31.2c
14	Wr	iP	12	02	18.2d
	Qt	eP			54.0c
		eS		11	32.8

June, 1968

14	Qt	eP	12	28	12.1c
		eS			48.0

Mu	Sec
PZ 0.01	0.7

△ = 3.1

	Wr	eP	12	28	16.8
		eS			55.8
	Ml	iP			25.0c
		eS		29	09.8
	Kr	iP			06
		S		30	21

H = 12 : 27 : 25
30°.9N, 70°.4E
Near Leiah, West Pakistan
Depth about 33 km
Mag - 3.6(Qt)

14	Qt	eP	13	34	37.8c
14	Qt	eP	16	21	36 Onset Poor
14	Kr	P	17	51	10
	Qt	eP			54 Onset Poor
14	Qt	eP	19	22	16.6c
14	Qt	eP	22	47	18.1c
14	Qt	eP	23	14	04.6d
15	Qt	eP	00	11	32 Onset Poor
15	Wr	eP	03	40	45 ±
	Qt	eP		41	33.8c
15	Wr	eP	04	40	36 Onset Poor
	Qt	eP		41	20.2d
15	Qt	eP	05	30	30.5c
		eS		33	58.5
15	Qt	eP	06	06	59.5d
		e(S)		17	38.0
	Wr	eP		07	26.1
15	Qt	eP	06	12	57.7c
15	Wr	eP	07	28	04.6
15	Qt	eP	09	10	20.7
15	Qt	eP	11	27	37.8c
15	Qt	eP	11	38	31.1c
		e(S)		46	36.0
15	Qt	eP	13	34	09.5c
15	Qt	eP	14	18	39.0d
15	Qt	eP	14	29	34.8c
15	Qt	eP	17	59	50.0
15	Qt	eP	20	03	18.4c
15	Qt	eP	21	44	34.3c
15	Qt	eP	23	24	31.5c
15	Qt	eP	23	43	10 Onset Poor

(K.U.Siddiqi)
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)/68/174 Quetta, the 13th July 1968

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

Provisional Readings at Seismological Stations from 24th to 30th June, 1968

Additional
June, 1968

17	Wr	iP	01	19	44.2d
		eS		20	19.7
	Ml	iP			04.4e
		iS			53.5
	Qt	eP			50.6
		eS		22	14.0

H - 01:19:00
36°.8N, 71°2.E
Hindukush Region.
Depth about 160 km.

17	Wr	iP	06	27	49.8d
		iS		28	30.6
	Ml	iP			04.8
		iS			55.7
	Lh	eP			24
		eS		29	30
	Kr	eP			54.1
		eS		32	14.8

H - 06:26:58
36°.7N. 71°.8E
HINDUKUSH REGION
Depth about 287 km.

17	Ml	eP	12	02	27.5
	Kr			03	31.8
17	Lh	eP	17	05	51
17	Lh	eP	18	23	09
17	Lh	eP	19	07	07
17	Qt	eP	19	40	58.5
		eS		41	30.3
	Wr	eP			02.0
		eS			42.3
	Ml	eP			12.9
		eS			57.2

H - 19:40:16
31°.5N, 69°.8E
Near Fortsandeman, West Pakistan.
Depth about 33km.

17	Lh	eP	22	25	24
18	Lh	eP	05	47	02
18	Lh	eP	10	49	56
18	Lh	eP	12	47	20
18	Lh	eP	22	08	30
19	Lh	eP	15	25	24
19	Lh	eP	17	07	22
19	Lh	eP	20	17	51
	Wr	eP			56 onsetpoor
20	Lh	eP	01	52	24
20	Wr	eP	02	58	16.4

June, 1968

20	Lh	eP	03	19	40
20	Wr	eP	08	29	00.1
20	Lh	eP	20	55	51
20	Lh	eP	23	45	07
22	Wr	eP	00	36	18.5
		eS		37	00.6
23	Kr	eP	09	19	47.8
		eS		22	26
	Ml	eP		20	45.3
23	Kr	eP	13	24	01.6
		eS			17.0

Continuation
June, 1968

24	Qt	eP	11	13	29.7d
24	Qt	eP	15	22	10.1d
24	Qt	eP	16	41	33.6d
24	Qt	eP	18	33	57.3c
24	Qt	eP	21	19	14.5
		eS		20	24.2
25	Qt	eP	01	38	46.2c
25	Qt	eP	07	05	13.4c
25	Qt	eP	10	18	00.8
25	Qt	eP	10	32	42.7d
25	Qt	eP	17	27	44.3d
		eS		29	02.1
25	Qt	eP	21	25	23onset poor
25	Qt	iP	23	43	37.8c
		eS		52	06.8

	Mu	Sec
MH	1.6	20

△ = 63°.4
Mag = 5.7(Qt)

26	Qt	eP	01	57	31.8c
		eS	02	00	52.0
26	Qt	eP	06	04	31.7c
26	Qt	eP	12	41	27.2d
		eS		43	06.5
26	Qt	eP	15	58	59.5d
26	Qt	eP	18	23	45.4c
26	Qt	eP	18	25	13.5c
26	Qt	eP	19	05	48.8
26	Qt	eP	19	14	43.8
26	Qt	eP	20	03	02.4c
27	Qt	eP	02	20	26.8c
27	Qt	eP	17	01	12.8c
27	Qt	eP	17	22	05.6c
27	Qt	eP	22	04	37.3d

June, 1968

27	Qt	eP	22	17	12.6d
27	Qt	eP	22	19	37.8c
27	Qt	eP	22	22	02.5c
27	Qt	eP	22	24	23.7d
		eS		32	44.0
28	Qt	eP	01	04	31.4c
		eS			54.0

	Mu	Sec
PZ	0.03	0.7

△ = 1°.8

Wr	P	01	05	01
Lh	P			12
	S		06	06
		01	04	02

30°.9N, 68°.9E
Loralai District,
West Pakistan
Mag = 4.1(Qt)

28	Qt	eP	07	33	23.3c
28	Qt	eP	09	40	44.4c
28	Qt	eP	09	54	22.2d
28	Qt	eP	13	40	37.8d
28	Qt	eP	13	50	30.3d
		eS		52	36.3
28	Qt	eP	14	34	17.6c
28	Qt	eP	18	26	44.9c
28	Qt	eP	19	41	12.6d
		eS		42	18.1
28	Qt	eP	20	16	51.6d
		eS		18	22.7

	Mu	Sec
PZ	0.01	0.6

△ = 8°.1
Mag = 5.2(Qt)

28	Qt	eP	20	40	11.0c
29	Qt	eP	04	30	58.5c
29	Qt	eP	06	29	54.0d
29	Qt	eP	06	40	53.0d
29	Qt	eP	08	03	35.3c
29	Qt	eP	11	11	10.1d
29	Qt	eP	11	56	56.5d
29	Qt	eP	16	41	44.4c
29	Qt	iP	18	17	15.8d
29	Qt	eP	21	53	22.7d
30	Qt	eP	05	09	31.4d

June, 1968

30	Qt	eP	09	47	01.5d
		eS		56	30.8

Mu Sec

MH 2.2 20
△ 74.1
Mag= 5.8(Qt)

June, 1968

30	Qt	eP	13	24	33.3d
30	Qt	eP	14	58	54.2c

June, 1968

30	Qt	eP	18	55	35.3c
30	Qt	eP	19	43	12.7c

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

23 JUL 1968

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)/68/250 Quetta, the 12th July 1968

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

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

Provisional Readings at Seismological Stations from 16th to 23rd June, 1968

~~& from 1st & 8th July, 68.~~

Additional
June, 1968

9	Lh	eP	01	01	49
10	Lh	eP	12	53	44
11	Lh	eP	22	40	13
12	Lh	eP	15	58	32
12	Lh	eP	19	05	20
12	Kr	eP	20	26	48.2
12	Kr	eP	22	08	12.5
12	Kr	eP	23	35	24.0c
13	Lh	eP	00	14	33
13	Lh	eP	12	05	56
13	Kr	eP	15	38	01.2d
		eS			15.8
	Qt	eP		39	04.5c
		eS		40	09.1

	Mu	Sec
Pg	0.06	0.9

$\triangle = 5^{o}.5$

Wr	eP	15	40	16.6	

H = 15 : 37 : 42
24°.9N, 65°.6E
Arabian Sea
Depth about 33 km
Mag = 4.3(Qt)

13	Kr	eP	19	04	24.4
		eS			37.6
13	Kr	eP	19	33	39.7
		eS			52.9
13	Kr	eP	20	40	33.6
		eS			47.2
13	Lh	eP	21	20	07
13	Kr	eP	23	07	32.3
14	Kr	eP	01	20	32.6
14	Kr	eP	03	04	07.2
		eS			21.0
14	Lh	eP	04	28	50
14	Lh	eP	10	59	40
14	Lh	eP	12	02	10
	Kr	eP		03	11.2

June, 1968

14	Lh	eP	16	43	26
14	Lh	eP	22	47	23
15	Lh	eP	04	39	40
15	Lh	eP	13	34	15
15	Lh	eP	17	59	55
15	Lh	eP	20	02	36
15	Lh	eP	21	44	38

Continuation
June, 1968

16	Qt	eP	00	31	28.6c
16	Qt	eP	00	50	34.7c
	Lh	eP			45
16	Qt	eP	01	16	47.3c
16	Qt	eP	04	06	40.8d
16	Qt	eP	06	50	12.1d
16	Qt	eP	07	32	47.7
16	Qt	eP	10	31	47.9d
16	Qt	iP	11	48	11.6d
16	Qt	eP	13	19	42.0
16	Qt	eP	16	39	50.5
	Lh	eP			57
16	Qt	eP	19	04	47.8c
16	Qt	eP	19	27	43.6d
		eS		38	25.2
16	Qt	eX	19	31	44.4
16	Qt	eP	20	48	59onset poor
16	Qt	eP	21	11	16.3
	Lh	eP			28
16	Qt	eP	21	45	04onset poor
16	Qt	eP	22	02	46.4d
16	Qt	eP	23	30	11.5
17	Qt	eP	01	20	50.6
		eS		22	14.0
17	Qt	eP	01	27	17.0
17	Qt	eP	02	34	24.2
17	Qt	eP	04	35	17.6c
17	Qt	eP	05	03	20.5c
17	Wr	P	06	27	50
		S		28	31
	Lh	P			24
		S		29	30

June, 1968

17	Qt	eP	07	45	39.8c
17	Qt	eP	10	53	48.4c
17	Ch	P	12	01	30
	Lh	P		02	28
		S		10	12
	Qt	iP		03	11.1c
		eS		11	38.0

	Mu	Sec
MH	34.2	20

$\triangle = 63^{o}.1$

Wr	P			03	44

Mag = 6.4(Qt)

17	Qt	eP	12	50	10.0c
17	Qt	eP	15	14	14.4c
17	Qt	eP	16	25	03.5
17	Qt	eP	16	55	12.1c
17	Wr	P	17	05	59
		S		13	50
	Qt	eP		06	34.8
		eS		15	04.0
17	Qt	eP	17	56	33.8
17	Qt	iP	18	02	05.5c
17	Qt	eP	18	23	37.5d
17	Qt	eP	18	27	09.5d
17	Ch	P	19	06	08
	Qt	eP		07	48.2
17	Qt	eP	19	40	58.5
		eS		41	49.8
	Wr	P			02
17	Qt	eP	20	10	45.4c
17	Qt	eP	22	25	17.0d
18	Qt	eP	00	20	26.7c
18	Qt	eP	05	46	46.9c
18	Qt	eP	05	50	08.5c
18	Qt	eP	07	00	07.7
18	Qt	eP	10	49	49.9c
18	Qt	eP	12	27	01.0c
18	Qt	eP	12	47	14.5

June, 1968

18	Qt	iP	16	14	58.9d	
18	Qt	eP	16	36	50.5d	
18	Qt	eP	17	09	48.4d	
18	Qt	eP	17	20	51.0c	
18	Qt	eP	17	55	50.0c	
18	Qt	eP	19	17	33.0	
18	Qt	eP	20	30	34.3d	
18	Qt	eP	21	56	17.1c	
18	Qt	eP	22	08	08.5c	
18	Qt	eP	23	19	46	onset poor
18	Qt	eP	23	57	08.5c	
19	Qt	eP	01	30	04.0c	
19	Qt	iP	01	48	32.3d	
19	Qt	eP	04	25	12.3c	
19	Wr	P	05	09	53	
	Qt	eP		10	51.5c	
19	Qt	eP	08	30	16.0c	
19	Qt	ePKP	08	32	40.9	
		PP		35	46.0	
	Lh	ePKP		33	02	
	Wr	PKP			02	
19	Qt	eP	15	25	16.0d	
19	Qt	eP	17	07	14.6c	
19	Qt	eP	20	17	44.0	
20	Qt	eP	01	52	20.0c	
20	Qt	eP	02	58	03.6d	
		eS	03	01	43.9	
20	Qt	eP	08	25	16.4c	
20	Qt	eP	08	28	08.9	
		e(S)		31	30.0	
20	Qt	eP	16	28	41.3c	

June, 1968

20	Qt	eP	18	22	32.9d	
20	Qt	eP	19	17	04.5c	
20	Qt	eP	20	30	44	onset poor
20	Qt	eP	20	55	43.4c	
20	Qt	eP	23	45	02.6c	
21	Qt	eP	00	45	34.8c	
21	Qt	eP	00	45	41.8c	
21	Qt	eP	01	47	06.1c	
21	Qt	eP	11	24	10.6c	
21	Qt	eP	15	59	11.2	
21	Qt	eP	17	13	34.2d	
21	Qt	eP	19	02	08.6	
21	Qt	eP	21	10	40.4c	
21	Qt	eP	21	14	32.5d	
21	Qt	eP	22	19	54.7c	
22	Qt	eP	00	37	24.7c	
		eS		38	59.0	
22	Qt	eP	00	41	34.3d	
22	Qt	eP	00	46	37.8d	
22	Lh	P	01	22	07	
	Wr	P			14	
		S		30	05	
	Qt	eP		22	50.6c	
		eS		31	13.4	

	Mu	Sec
MH	3.8	20

△ = 62°.4

Mag- 5.9(Qt)

22	Qt	eP	07	55	10.5c	
22	Qt	eP	08	19	04.0d	

June, 1968

22	Qt	eP	10	06	24	
22	Qt	eP	11	17	03	
22	Qt	eP	11	27	17.1c	
22	Qt	eP	16	00	03.5c	
22	Qt	eP	16	29	00.6	
22	Qt	eP	21	18	44.	
22	Qt	eP	23	24	49.	
23	Qt	eP	00	47	02	
						onset p
23	Qt	eP	09	19	32.	
		eS		22	05	
	Wr			20	25	
		S		23	47	
	Lh	P		20	49	
		S		24	27	
23	Qt	eP	11	48	35.	
23	Qt	e(P)	13	25	08.	
		eS		26	10.	
23	Qt	eP	17	06	31.	
		eS		17	04.	
23	Qt	eP	17	09	59.	
23	Qt	eP	23	39	01.	
		eS		41	46.	

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

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

International Seismological Centre

No.SS-9(2)/68 Quetta, the _____July, 1968

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

x-Unidentified Phase, c-Complession

d - Dilatation

Provisional Readings at Seismological Stations from 1st to 8th July, 1968

Additional
June, 1968

24	Kr	eP	21	18	14.6
25	Lh	eP	23	42	54
	Wr	eP		43	01.3
26	Wr	eP	01	58	22.0
26	Wr	eX	12	40	38 ±
		eS		41	06
	Ml	eP		40	32.5
		eS		41	25.2
	Qt	eP			27.2d
		eS		43	06.5

	Mu	Sec
PZ	0.01	0.7

△ = 8°.9
H = 12 : 39 : 22
Hindukush Region
Mag - 4.0(Qt)

27	Lh	eP	22	18	55
	Wr	eP		19	20.0
28	Kr	eP	01	05	13.4
28	Wr	eP	19	40	02.8
		iS			12.3
	Ml	eX			40 ±
		iS		41	22
	Qt	eP			12.6
		eS		42	18.1

	Mu	Sec
PZ	0.008	0.5

△ = 5.6
H = 19 : 39 : 50
34°.5N, 71°.0E
West Pakistan
Depth about 60 km
Mag - 3.7(Qt)

28	Wr	eP	20	15	45	Onset poor
		eS		16	24.9	
28	Wr	eP	20	39	28.0	
29	Wr	eP	07	57	07.8	

June, 1968

30	Lh	eP	09	46	21
	Wr	eP			34.7

ntinuation

uly, 1968

	Qt	eP	03	16	33.7c
	Qt	eP	04	03	05.5c
1	Wr	P	04	06	58
	Qt	iP		07	05.4c
1	Lh	P	10	54	25
		S	11	01	48
	Wr	P	10	54	33
	Qt	iP		55	10.6c
		eS	11	03	16.4

	Mu	Sec
MH	4.9	20

$\triangle = 59^{\circ}.5$
Mag = 5.9(Qt)

	Kr	P	10	55	25
1	Qt	eP	11	24	48.9c
1	Qt	eP	19	18	49 Onset Poor
1	Qt	eP	21	24	13 Onset Poor
1	Qt	eP	23	45	37.8c
2	Qt	eP	00	53	45.4c
2	Qt	ePKP	04	03	57.5
		PP		06	02.0
2	Qt	iP	04	49	48.1c
2	Qt	eP	10	25	57.7c
2	Qt	eP	16	54	24.6d
2	Qt	eP	17	56	42.4c
2	Qt	eP	18	00	09.1d
2	Qt	eP	18	51	53.9c
		eS	19	01	30.8
2	Qt	iP	22	21	47.4c
2	Qt	eP	23	33	08 Onset poor

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July, 1968

3	Qt	eP	11	36	08.5c
3	Ml	P	19	47	25
	Wr	P			42
	Lh	P			44
		S		48	15
	Qt	aP			50.6
		eS		50	11.5

	Mu	Sec
PP	0.02	0.7

$\triangle = 7^{\circ}.4$
H = 19 : 47 : 03
$34^{\circ}.1N$, $74^{\circ}.4E$
KASHMIR
Depth about 96 km
Mag = 4.8(Qt)

3	Qt	eP	23	27	42 Onset poor
4	Qt	eP	00	44	11.7d
4	Qt	eP	02	29	21.0d
		eS		30	38.9
4	Qt	eP	06	51	20.7d
4	Qt	eP	07	22	46.8d
4	Qt	eP	09	24	33.3d
		eS		25	38.2
4	Qt	eP	11	30	58.6d
4	Qt	eP	12	56	06.1c
4	Qt	eP	14	01	48.9d
4	Qt	eP	16	51	10.8c
4	Qt	eP	20	53	11.5c
4	Qt	eP	21	54	58.5d
		eS	22	00	56.4
4	Qt	eP	23	24	26 Onset Poor
5	Qt	eP	00	44	06 Onset Poor
		eS		45	22.4
5	Qt	eP	10	00	29.3c
		eS		02	06
5	Ch	P	11	36	33
		S		43	19
	Lh	P		37	40
	Wr	P			47
		S		45	34
	Qt	eP		38	9.9
		eS		46	36.8

	Mu	Sec
MH	53.6	20

$\triangle = 61^{\circ}.4$
Mag= 6.5(Qt)

5	Qt	eP	12	56	54.0c
5	Qt	eP	13	56	48.5d

July, 1968

5	Qt	eP	14	36	24.9c
		eS		39	37.3
5	Qt	eP	18	33	06.5c
5	Qt	eP	20	21	02 Onset poor
5	Qt	eP	20	52	42.8d
5	Qt	eP	22	54	48.4d
6	Qt	eP	09	35	42.8c
6	Qt	eP	09	39	04.2c
6	Qt	eP	15	57	17.9c
6	Qt	eP	16	54	03.1d
6	Qt	eP	17	33	51.4c
6	Qt	eP	17	35	49.8d
6	Qt	eP	19	40	26.2d
		eS		50	18.8
6	Qt	eP	20	15	09.6d
6	Qt	eP	23	34	48.9c
7	Qt	eP	05	56	35.3c
7	Qt	eP	09	45	52.5d
7	Qt	eP	13	26	26.3c
7	Qt	eP	13	34	05.5d
7	Qt	eP	14	42	39.9c
7	Qt	eP	17	00	25.2d
7	Qt	eP	17	56	02.7c
7	Qt	eP	21	43	57.5c
8	Qt	eP	00	07	31.7d
8	Qt	eP	00	28	49.9c
8	Qt	eP	04	03	33.4c
8	Qt	eP	06	44	09.9d
8	Qt	eP	08	12	04.5d
8	Qt	eP	08	34	49.4c
8	Qt	eP	11	29	34.8c
		eS		31	38.0
8	Qt	eP	12	27	10.1d
8	Wr	P	13	15	49
		S		16	51
	Qt	eP			25.9c
8	Qt	eP	17	18	40.5c
		eS		21	10.7
	Wr	P		19	35
8	Qt	eP	17	47	58.4d
		eS		53	31.3
	Wr	P		49	23
8	Qt	eP	21	33	34.8c
8	Qt	eP	21	35	21.8c

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

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2 AUG 1968

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

PAKISTAN

No.SS-9(2)/68/379 Quetta, the 29th July, 1968

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

x-Unidentified Phase, c-Compression
d - Dilatation

Provisional Readings at Seismological Stations from 9th to 15th July, 1968

Additional
July

1	Ml	eP	04	07	19.0
2	Wr	eP	04	03	51.1
2	Wr	eP	18	51	37.3
3	Ml	iP	19	47	24.5d
		eS			53.4
4	Wr	eP	06	50	31.0d
4	Wr	eP	07	22	09.1d
4	Wr	iP	09	23	23.1d
	Ml	eP		24	00 -
		iS			37.4
	Qt	eP			33.3d
		eS		25	38.2

	Mu	Sec
PG	0.04	0.5

△ = 5°.6
H = 09 : 23 : 10
34°.7N, 70°.8E
Pakistan-Afghanistan Border
Depth about 33 km
Mag = 3.9(Qt)

4	Lh	eP	21	55	43
5	Wr	eP	00	42	49.2
		eS			59 -
	Ml	eP		43	10.0
		iS			37.0
	Qt	eP		44	06 onset poor
		eS		45	22.4

H = 00 : 42 : 35
34°.8N, 71°.9E
Near Saidu Sharif
Depth about 33 km

5	Ml	eP	11	36	38.6
	Kr	eP		38	42.4
5	Wr	eP	14	35	24.2

July 1968

6	Lh	eP	19	39	55d
	Wr	iP		40	14.5d
8	Lh	eP	13	16	37
8	Kr	eP	17	18	59.9
	Lh	eP		20	00
8	Lh	eP	21	34	41

Continuation
July, 1968

9	Qt	eP	04	38	07.6d
9	Qt	eP	08	16	19.7d
9	Qt	eP	08	38	36.8
9	Qt	eP	22	17	58.5
9	Qt	eP	22	24	41.4
10	Qt	eP	00	51	46.9c
10	Qt	eP	07	50	51.9c
10	Qt	eP	11	27	36.3c
		eS		36	35.4

	Mu	Sec
MH	8.2	20

△ = 68°.7

Lh	P	11	27	44
	S		36	38
Wr	P		27	56

Mag = 6.1(Qt)

10	Qt	eP	18	52	22.5d
		eS		53	55.5
10	Qt	eP	19	46	15.5c
10	Wr	P	20	49	49
	Lh	P		50	03
		S		58	02
	Qt	eP		50	42.7c
		eS		59	11.3

	Mu	Sec
MH	5.4	20

△ = 63°.4
Mag = 6.0(Qt)

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July, 1968

10	Qt	eP	21	55	15.5d
10	Qt	eP	22	31	22.0c
11	Qt	eP	05	00	50.5c
		eS		01	51.2
11	Qt	eP	08	49	59.4c
		eS		51	49.7
12	Ch	P	00	53	07
		S		59	55
	Lh	P		54	10
		S	01	01	52
	Wr	P	00	54	18
		S	01	02	06
	Qt	eP	00	54	48.7d
		eS	01	03	09.9

	Mu	Sec
PZ	0.2	1.2

$\triangle = 62^{o}.0$

Mag = 6.2(Qt)

12	Qt	eP	01	40	53.0c
12	Qt	eP	02	01	14.1d
		eS		02	40.2
12	Wr	P	04	06	08
	Qt	eP			40.9
		eS		15	01.1
12	Wr	P	09	20	56
	Qt	eP			57.6d
12	Qt	eP	10	37	20.3c
		eS		40	13.4
12	Qt	eP	12	12	44.9d
12	Qt	eP	12	28	35.3d
		eS		29	54.1
12	Qt	eP	13	47	38.4c
12	Qt	eP	16	52	55.6c
12	Qt	eP	17	39	28.7c
		eS		41	15.6
12	Qt	eP	18	33	20.3
		eS		35	05.1
12	Qt	eP	22	11	55.5d
13	Wr	P	02	03	54
		S		04	02
	Qt	eP		05	00 Onset poor
		eS		06	03.4
13	Qt	eP	06	11	03.7c

July, 1968

13	Qt	eP	06	51	10 ±
13	Qt	eP	13	24	55 ±
14	Qt	eP	00	14	35 ± c
		eS		15	59 ±
14	Qt	eP	04	14	39 ± c
14	Qt	eP	05	34	59 ± d
14	Qt	eP	07	39	47 ± c
14	Qt	eP	08	15	54 ± d
14	Qt	eP	11	36	17 ± onset poor
14	Qt	eP	18	17	56 ± c
14	Qt	eP	21	47	45 ± c
15	Qt	eP	00	02	38 ± c
15	Qt	eP	01	27	08 ± d
15	Qt	eP	04	30	20 ± d
15	Qt	eP	05	03	46 ±

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

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

P A K I S T A N

No.SS-9(2)/68/538 Quetta, the July, 1968

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

Provisional Readings at Seismological Stations from 16th to 23rd July, 1968

Additional

July, 1968

11	Kr	eP	04	59	50.7
		eS	05	00	04.2
12	Kr	eP	02	00	37.6
12	Lh	eP	04	06	00
	Ml	eP			01.8
12	Ml	eP	10	38	35.3
12	Wr	iP	12	11	54.1d
	Ml	eP			58.8
12	Wr	eP	12	27	40.2
		eS		28	12.6
	Ml	eP			00.4
		iS			48.3
	Qt	eP			35.3d
		eS		29	54.1

	Mu	Sec
P	0.01	0.5

△ = 6°.6
H = 12 : 26 : 59
36°.0N, 70°.6E
HINDUKUSH - REGION
Depth about 223 km
Mag= 4.1(Qt)

12	Wr	eP	17	38	49 ± onset poor
13	Wr	eP	06	10	25.5
14	Wr	eP	00	13	32.1
		eS		14	08.0
14	Wr	eP	07	39	20.4
15	Wr	eP	01	26	23.1
		eS		27	00.7
15	Qt	eP	09	10	34.2

Continuation

July, 1968

16	Qt	eP	08	22	18.2c
16	Qt	eP	11	15	18.5c
		eS		16	35.3
16	Qt	eP	17	23	40.8c
16	Qt	eP	19	14	57.5c
16	Qt	eP	22	28	21.6d
17	Lh	P	05	34	40
		S		43	04
	Wr	P		35	03
		S		43	50
	Qt	eP		35	11.9c
		eS		44	03.8

	Mu	Sec
MH	3.8	20

△ = 67°.4
Mag= 5.9(Qt)

17	Qt	eP	06	03	37.9
17	Qt	eP	13	26	46 onset poor
		eS		28	21.2

July, 1968

17	Wr	P	15	53	38
		S		54	14
	Qt	eP			30.9c
		eS		55	52.5
17	Qt	iP	20	12	58.9c
		eS		14	18.0
18	Qt	iP	00	36	55.7c
18	Qt	eP	01	10	31.1c
18	Qt	eP	05	23	31.1c
18	Qt	eP	11	31	16.7d
18	Qt	eP	17	27	04.5d
18	Qt	eP	17	49	59 -
19	Ch	P	04	59	39
	Lh	P	05	02	26
	Wr	P			57
	Qt	eP		03	02.1c
		eS		07	47.8
19	Qt	eP	06	13	57.2d
19	Qt	eP	06	24	11.4c
		eS		25	38.9
19	Qt	eP	16	48	57.1c
19	Wr	P	18	53	34
	Qt	eP		54	12.8c
19	Qt	eP	22	19	16.9c
20	Wr	P	08	23	33
	Qt	eP		24	41.9d
20	Qt	eP	20	44	45 Onset poor
20	Qt	eP	21	40	45.1c
21	Qt	eP	00	42	54.1d
21	Qt	eP	01	49	05.8d
21	Qt	eP	04	32	23.3d
21	Ch	P	06	02	44
	Qt	eP		04	55.7d
		eS		15	21.2

	Mu	Sec
MH	2.4	20

△ = 83°.0
Mag = 5.9(Qt)

21	Qt	eP	06	51	36.6d
21	Qt	eP	16	09	10.7c
21	Qt	eP	17	03	50.2
21	Qt	eP	17	57	00 ± d
		eS	18	03	06.9
21	Wr	P	18	37	13
	Qt	iP			49.2d
21	Ch	P	21	10	47
	Wr	P		11	21
		S		18	30
	Qt	iP		11	59.6d
21	Qt	eP	22	27	55 onset poor
21	Qt	eP	23	34	0..5c

July, 1968

22	Qt	eP	00	23	59.1d
22	Qt	eP	13	54	59.2c
		iS		56	16.3
22	Qt	eP	14	50	45.4c
22	Lh	P	18	11	13
	Qt	eP		13	01.9c
22	Qt	eP	18	16	53 ±
22	Qt	iP	22	43	12.0d
23	Qt	eP	18	19	35.9c
23	Wr	P	18	47	07
	Qt	eP			15.0d
23	Qt	eX	18	50	41.8c
23	Ch	P	20	55	23
		S		57	04
	Qt	eP			01.8c
23	Qt	eP	22	15	56.8c
23	Ch	P	23	11	06
		S		18	06
	Lh	P		12	10
		S		20	05
	Wr	P		12	17
	Qt	eP		12	53.5c
		eS		21	23.9

	Mu	Sec
MH	5.9	20

△ = 63°.7
Mag= 6.0(Qt)

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

27 AUG 1968

International Seismological Centre

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

PAKISTAN

No.SS-9(2)/68/762 Quetta, the 22nd August, 1968

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

Provisional Readings at Seismological Stations from 24th to 31st July, 1968

Additional
July, 1968

16	Wr	iP	11	14	14.8d
		iS			46.1
	Ml	iP			37.3d
		iS		15	20.2
	Qt	iP			18.5c
		iS		16	35.3

	Mu	Sec
PZ	0.007	0.7

△ = 6°.9
H = 11 : 13 : 38
36°.2N, 70°.9E
HINDUKUSH REGION
Depth about 160 km
Mag- 4.0(Qt)

16	Wr	eP	22	27	39.0
17	Ml	eP	05	34	49.2
	Kr	eP		35	00.1
17	Wr	iP	15	53	38.4d
		iS		54	13.8
	Ml	iP			01.3c
		iS			53.6
	Lh	eP			20
		eS		55	26
	Qt	eP		54	30.9c
		eS		55	52.5

	Mu	Sec
PZ	0.005	0.05

△ = 6°.9
H = 15 : 52 : 50
36°.6N, 69°.9E
HINDUKUSH REGION
Depth about 223 km
Mag = 3.9(Qt)

18	Ml	eP	00	36	22.8
18	Ml	eP	11	30	32.0
	Wr	eP			40 Onset poor
19	Ml	eP	05	02	39.9
19	Wr	eP	06	23	06 ± Onset poor
	Ml	iP			25.3c
		iS		24	14.4
	Qt	eP			11.4
		eS		25	38.9

H = 06 : 22 : 19
37°.0N, 71°.4E
HINDUKUSH REGION
Depth about 160 km

July, 1968

20	Wr	eP	08	23	33.1d
21	Lh	eP	06	04	26
	Wr	eP			30.0
21	Wr	eP	06	22	04.8
21	Ch	iP	21	10	47d
	Ml	eP		11	15.7
	Lh	eP			20d
	Wr	eP			21.3
		eS		18	29.7
22	Wr	eP	13	54	05.8
		iS			39.2
22	Lh	eP	22	42	27
	Ml	iP			27.9d
23	Wr	eP	20	56	11 ± Onset poor

Continuation
July, 1968

24	Qt	eP	09	03	08.2c
		eS		06	23.8
24	Qt	eP	09	30	45.7d
24	Qt	iP	10	14	23.0d
		iS		15	40.7
24	Qt	eP	14	47	56.6c
24	Qt	eP	16	04	27.9
24	Qt	eP	20	39	45.6c
24	Qt	eP	22	50	57.4d
25	Ch	P	03	37	51
	Wr	P		38	45
	Qt	eP		39	23 •nset poor
25	Qt	eP	07	00	26 onset poor
25	Ch	P	07	36	53
	Lh	P		38	13
		PKP		41	51
	Wr	PKP			57
	Qt	eP		38	38.0c
		ePKP		42	02.0
25	Qt	eP	08	11	52.8c
25	Lh	P	11	00	15
		S		08	07
	Wr	P		00	18
		S		08	15
	Qt	eP		00	55.4c
		eS		09	24.0
25	Qt	eP	11	30	05.9c
25	Qt	eP	22	46	04 Onset poor
		eS		47	21.4
26	Qt	eP	06	53	15.4d
		eS		56	42.9
26	Wr	P	12	48	39
	Qt	eP		49	24.8
26	Qt	eP	14	19	14.3c

International Seismological Centre

July, 1968

26	Qt	eP	17	20	26.1c
26	Wr	P	20	48	41
		S		49	16
	Qt	eP		48	58.3
		eS		49	46.8

	Mu	Sec
PM	0.02	0.5

$\triangle = 3^{o}.4$

	Ih	P	20	49	00
		S			42

H - 20 : 48 : 05.5
32°.2N, 70°.1E
West Pakistan
Depth about 33 km
Mag- 3.6(Qt)

26	Qt	eP	22	05	04.9c
27	Qt	eP	02	52	26.7d
		eS		57	44.8

	Mu	Sec
MH	7.1	20

$\triangle = 24^{o}.9$
Mag = 5.7(Qt)

27	Qt	eP	11	38	44.6d
27	Qt	eP	17	54	08.5d
27	Qt	eP	22	58	24. Onset poor
27	Qt	eP	23	06	53.3c
28	Qt	eP	01	58	14.9d
		eS		59	24.0
28	Qt	eP	03	37	09.5d
28	Qt	eP	07	27	14.4c
28	Qt	eP	11	17	22.4d
28	Qt	iP	14	13	43.6d
28	Qt	eP	16	05	19.5
28	Ih	P	21	23	22
		S		32	07
	Qt	iP		23	53.7c
		eS		33	05.4

	Mu	Sec
MH	17.5	20

$\triangle = 70^{o}.9$
Mag = 6.3(Qt)

28	Qt	iP	21	34	22.4d
29	Qt	eP	07	49	02.5d
29	Qt	eP	11	30	58.6d
29	Qt	eP	13	43	14.6c
29	Qt	iP	15	32	35.4c
29	Qt	eP	15	38	57.4c
29	Qt	eP	16	49	21.6d
29	Qt	eP	21	53	02.9d

July, 1968

30	Ch	P	00	00	39
	Ih	P		02	51
	Wr	P		03	11
	Qt	iP			29.1c
		eS		12	38.6
30	Qt	eX	00	31	32.7
	Wr	P			39
30	Qt	eP	01	05	47.2c
30	Qt	eP	17	45	03.1d
30	Qt	ePKP	20	58	04.8
		PP	21	01	11.8
		PPS		12	35.0
		eX		13	50.6
		SS		19	32.6
	Ih	PKP	20	58	19
31	Qt	eP	01	47	43.1d
31	Qt	eP	14	04	58.3c
31	Qt	eP	19	36	03.2d

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

9 SEP 1968

International Seismological Centre

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

PAKISTAN

No.SS-9(2)/68/822

Quetta, the 27th August, 1968

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

Provisional Readings at Seismological Stations from 1st to 8th August, 1968

Additional
July, 1968

24	Wr	eP	09	30	41.1
24	Wr	eP	10	13	22 = Onset poor
		eS			53.1
	Ml	eP			27.0
25	Kr	eP	07	42	02.4
	Ml	eP			52.3
25	Wr	eP	08	11	03.8
		eS			39.3
25	Ml	eP	22	45	29.8
		iS		46	19.8
26	Wr	iP	20	48	41.4c
		iS		49	16 -
	Ml	iP		48	54.3d
	Qt	eP		48	57.4
		eS		49	46.8

	Mu	Sec
PZ	0.02	0.5

$\Delta = 3^{\circ}.4$

Lh eP 20 49 00
H - 20 : 48 : 05
$32^{\circ}.2N$, $70^{\circ}.1E$
West Pakistan
Depth about 33 km
Mag = 4.1(Qt)

27	Wr	eP	02	52	47.1
	Lh	eP		53	13
		eS		59	10
	Ml	eP		54	07.5
28	Wr	eP	01	57	33 =
		eS		58	04.4
	Ml	iP			00.0
		iS			53.0
28	Wr	eP	21	23	18.8
29	Lh	eP	13	42	40
	Wr	eP			57.1
30	Ml	iP	00	02	58.0d
	Kr	eP		03	23.1

July, 1968

30	Lh	eP	17	44	23
	Wr	eP			27.0
30	Wr	eP	20	58	08.7
	Ml	eP			15.0
31	Wr	eP	01	47	27.0
31	Wr	eP	19	36	24.9

Continuation
August, 1968

1	Qt	eP	00	33	01.5c
1	Qt	eP	13	42	02.3
1	Qt	eP	18	37	17.6c
1	Ch	P	20	25	25
		S		30	45
	Lh	P		27	41
		S		34	34
	Wr	P		28	04
	Qt	iP		28	30.1c
		eS		35	51.2
	Kr	P		28	33
1	Qt	eP	22	41	05 Onset poor
1	Wr	P	23	13	45
	Qt	eP		14	09.6
1	Qt	eX	23	16	08.0
1	Qt	eP	23	25	37.2d
1	Qt	eP	23	44	20 Onset poor
2	Qt	eP	01	14	59.6
2	Qt	eP	02	04	43.5
2	Qt	eP	04	03	14.9c
		eS		06	55.2
2	Qt	eP	05	07	37 =
2	Qt	eP	13	31	51.6c
		eS		32	34.0
	Kr	P		31	54
	Wr	P		33	03
	Ml	eP			18.5

H - 13 : 30 : 56
$27^{\circ}.8N$, $64^{\circ}.3E$
West Pakistan
Depth about 33 Km

International Seismological Centre

August, 1968

2	Qt	eP	14	22	46.8c
		ePKP		25	22.8
	Wr	PKP			48
2	Qt	eP	14	25	55.6c
		ePKP		28	00.2
2	Qt	eP	16	17	05.7c
2	Qt	eP	16	21	35.7c
2	Qt	eP	17	55	13.8
2	Qt	eP	18	57	06.3c
2	Qt	eP	21	00	58.8d
		eS		02	20.4
2	Qt	eP	23	25	19 Onset poor
2	Qt	eP	23	56	23.1d
3	Qt	eP	00	48	46.4d
3	Qt	eP	02	19	35.5d
3	Ch	P	05	01	13
	Wr	P		03	26
	Qt	eP			58.3d
		eS		11	33.4
	Kr	P		04	05
3	Ch	P	06	31	08
	Wr	P		33	48
	Qt	iP		34	14c
	Kr	P			14
3	Qt	eP	07	04	46.4
3	Qt	eP	07	56	51.7
3	Qt	iP	14	03	11.6c
		eS		04	42.0
	Wr				25
3	Qt	eP	14	26	45.4c
3	Qt	eP	15	47	46.8c
3	Qt	eP	16	01	00.2d
3	Qt	eP	18	48	56.4
3	Wr	P	19	27	47
	Qt	eP		28	13.0c
3	Qt	eP	22	09	39.2
3	Qt	eP	22	38	10.9d
4	Qt	eP	00	25	32 Onset Poor
		eS		26	48.8
4	Qt	eP	01	38	58.6
4	Qt	eP	02	13	53.9d
4	Wr	P	08	14	00
	Qt	eP			26.5c
4	Qt	eP	09	07	08.0c
4	Ih	P	11	50	45
	Wr	P		51	07
	Kr	P			22
	Qt	iP			27.0c
		eS	12	00	34.0

	Mu	Sec
MH	12.6	20

△ = 40 70°1.1
Mag = 6.2(Qt)

August, 1968

4	Qt	eP	15	31	49.9d
4	Qt	eP	16	38	10 Onset poor
4	Qt	eP	18	09	21.4c
4	Qt	eP	18	25	13.3d
4	Qt	eP	19	06	05.6
		eS		07	48
5	Wr	P	02	41	46
		S		42	13
	Ih	P			31
		S		43	31
	Qt	iP		42	42.4c
		eS		43	50.3

	Mu	Sec
PZ	0.1	0.7

△ = 6°.7
H = 02 : 41 : 10
36°.0N, 70°.6E
Hindukush Region
Depth about 160 km
Mag = 5.2 (Qt)

5	Qt	eP	08	32	23.2d
5	Wr	P	13	39	37
	Qt	eP			39.8
5	Ch	P	16	24	15
		S		30	02
	Ih	P		25	45
		S		32	34
	Wr	P		25	55
	Qt	iP		26	3[illegible]
		eS		34	03.9
5	Qt	eP	16	56	22.2c
6	Qt	eP	02	47	15.4
6	Wr	P	03	15	10
	Qt	eP			36.8c
	Wr	P	03	25	08
	Qt	eP			35.6c
6	Wr	P	04	44	09
	Qt	eP			42.5d
6	Qt	eP	08	39	31.2d
		eS		43	38.8
6	Qt	eP	10	17	24.2d
6	Qt	eP	13	48	49.3c
6	Qt	eP	20	22	48.3d
6	Qt	eP	21	57	40.2d
6	Wr	P	23	53	19
	Qt	eP			44.7c
7	Wr	P	04	02	09
	Qt	eP			36.3d
7	Wr	P	08	09	50
	Qt	eP		10	27.8c
		eS		18	46.0
7	Wr	P	13	37	52
	Qt	eP		38	58.9d
		eS		40	18.3
7	Qt	eP	16	34	05.4
7	Qt	eP	20	43	36.0c
8	Qt	eP	00	12	51.3d
8	Wr	P	05	04	46
	Qt	eP		05	22.1c
		eS		14	03.9

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August, 1968

8	Qt	eP	09	29	16.3d
8	Qt	eP	11	12	48.9
8	Qt	eP	14	16	56.0c
8	Wr	P	18	41	23
		S		42	08
Qt		eP			30.2c
		eS		44	07.8

(K.U.Siddiqi)T.I,
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

International Seismological Centre

No.SS-9(2)/68/ 1190 Quetta, the 17th September, 1968

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

Provisional Readings at Seismological Stations from 16th to 23rd August, 1968

Additional
August, 1968

9	Ch	eP	02	26	03
		eS			33
	Ml	eP		29	17.3
	Wr	eP			42
	Qt	eP		30	13.0c
		H = 02 : 25 : 23			
		25°.2N, 91°.5E			
		Assam Hills			
		Depth about 33 km			
9	Wr	eP	07	10	34.8
10	Ml	iP	02	16	57.0d
10	Wr	eP	04	33	06.8
10	Ml	eP	06	01	40.0
	Kr	eP		02	08 Onset poor
10	Kr	eP	08	20	36 Onset poor
10	Ml	eP	10	15	46.4
	Wr	eP		16	03.3
10	Wr	eP	15	55	39.9
10	Wr	eP	19	58	39.3
11	Ml	eP	03	01	24.0
11	Wr	eP	07	12	16 Onset poor
	Ml	eP			28.0
		eS		13	22.1
11	Wr	eP	09	10	32.1
11	Ml	eP	15	17	48.2
	Wr	eP			55.2
11	Ml	iP	20	10	37.4c
	Kr	eP		11	02.4
12	Wr	iP	00	21	58.0
		iS		22	16.2
	Ml	eP			23.7
		iS			58.4
12	Wr	eP	03	49	00.7
	Ml	eP			19.5
	iS	iS		50	09.0
12	Wr	eP	20	41	21.9
13	Ml	eP	00	47	11.6
		iS		48	01.5
13	Ml	eP	03	02	45.2
	Kr	eP		03	07.4

August, 1968

14	Ml	iP	22	23	46.0c
	Kr	eP		24	01.5
15	Wr	eP	02	36	47.1
	Ml	eP		37	04.2
15	Wr	eP	04	22	40.8
15	Wr	eP	07	09	08.4
15	Wr	eP	11	50	15.1
15	Wr	eP	21	35	42.1

Continuation
August, 1968

16	Qt	eP	00	09	40.3c
16	Qt	eP	10	49	36.7c
		eS		58	03.8
16	Qt	eP	11	12	53.7
16	Qt	eP	11	19	03.3d
16	Qt	iP	11	51	58.4d
16	Qt	iP	15	48	29.5d
16	Qt	eP	18	45	04.0c
16	Qt	eP	21	43	49.6d
16	Qt	eP	22	11	31.6c
17	Qt	eP	03	01	24.4c
17	Ch	P	04	08	07
	Wr	P		10	45
	Qt	eP		11	01.9c
		eS		19	23.7

	Mu	Sec
MH7.1		20
△ = 62°.2		
Mag = 6 .0 (Qt)		

August, 1968

17	Wr	P	04	47	46
	Qt	eP		48	20.1d
17	Qt	eP	12	17	19.9c
17	Qt	eP	13	39	17 ±
17	Qt	eP	14	48	10.1d
17	Qt	eP	17	25	05 Onset poor
17	Qt	eP	18	14	56.5
17	Qt	eP	18	57	56.3
17	Qt	eP	21	57	22.1d
18	Qt	eP	05	44	31.7d
18	Qt	iP	06	45	03.5c
18	Qt	eP	07	22	01.5d
18	Qt	eP	12	06	01.8
		eS		15	06.0
18	Ch	P	14	20	05
		S			53
	Wr	P		23	09
	Qt	eP			44.5
		eS		27	40.0
18	Qt	eP	17	46	01.9
18	Qt	eP	18	26	01.0 Onset poor
18	Ch	P	18	49	16
	Lh	P		50	40
	Wr	P			52
	Qt	eP		51	08.2
		eS	19	01	04.0
18	Qt	eP	19	36	04.3d
18	Qt	eP	20	55	01.4c
18	Qt	eP	21	23	42.2
18	Qt	eP	22	57	18 ±
18	Qt	eP	23	27	39.3d
18	Qt	eP	23	03	26.7d
19	Qt	eP	01	42	36 ±
19	Qt	eP	02	37	35.5d
19	Qt	eP	16	01	10.1
19	Qt	eP	17	12	14.2d
19	Qt	eP	19	01	10.5
	Ch	P	19	04	20
19	Qt	eP	23	11	06.0
20	Qt	eP	03	34	01.5d
20	Wr	P	09	35	32
	Qt	eP		36	15.6d
20	Wr	P	11	28	40
	Qt	iP		29	01.4c
		eS		39	02.8
20	Wr	P	20	12	03
	Qt	eP			44.7d
20	Qt	eP	20	22	21.4

August, 1968

20	Qt	eP	21	36	17.1d
21	Qt	eP	05	04	36.4
		eS		06	58.5
21	Qt	eP	08	26	34.0
21	Qt	eP	10	06	40.3c
21	Qt	eP	17	33	24.2c
21	Qt	ePKP	18	15	45.9
		PP		17	13.6
21	Qt	eP	23	11	06.1
		eS		12	27.7

	Mu	Sec
PZ	0.006	0.6

△ = 7°.2
Mag = 4.5(Qt)

22	Qt	iP	00	39	26.4d
		eS		40	44.4

	Mu	Sec
PZ	0.006	0.5

△ = 6°.9
Mag= 4.6(Qt)

22	Qt	eP	13	44	02.0
22	Lh	P	14	11	13
		S		20	18
	Qt	iP		11	43.4c
		eS		21	16.8

	Mu	Sec
MH	19.3	20

△ = 74°.9
Mag= 6.3(Qt)

22	Qt	eP	16	51	22.6
22	Qt	eP	22	03	08.0
23	Qt	eP	00	23	58.9
23	Wr	P	04	00	14
		S			43
	Qt	eP		01	18.1c
		eS		02	38.7
23	Wr	P	06	51	41
	Qt	eP		52	06.5c
23	Wr	P	08	47	46
	Qt	eP		48	00 ±
		eS		56	03
23	Qt	eP	12	00	47.8c
23	Wr	P	12	05	49
	Qt	eP		06	35.7
23	Qt	eP	13	57	46.9
23	Wr	P	15	40	06
		S			38
	Qt	eP		41	09.1c
		eS		42	31.4

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August,1968

23	Qt	eP	17	08	21.0s
23	Qt	eP	22	54	56.5
23	Qt	iP	22	57	19.2d
		e(S)	23	09	14.0

August,1968

23	Qt	eP	23	15	37 ±
23	Qt	eP	23	31	12.1
23	Qt	eP	23	33	06.1d
23	Qt	eP	23	35	53±

International Seismological Centre

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

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12 SEP 1968

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)/68/ 1032 Quetta, the 7th September, 1968

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

Provisional Readings at Seismological Stations from 9th to 15th August, 1968

Additional

August, 1968

1	Wr	eP	00	32	54.6
1	Ml	iP	20	27	47.7c
1	Wr	eP	23	13	45.2
2	Wr	iP	04	03	39 ±
2	Ml	eP	21	00	15.5
		iS		01	02.4
3	Ml	eP	06	33	32.5
3	Kr	eP	14	02	44 ±
4	Wr	eP	00	24	36.0
		eS		25	08.5
	Ml	eP		24	58.5d
		iS		25	48.5
	Qt	eP			32 Onset poor
		eS		26	48.8

H - 00 : 23 : 53
36°.2N, 70°.4E
Hindukush Region
Depth about 223 km.

4	Ml	eP	11	50	52.4d
4	Ml	iP	18	25	53.5c
4	Wr	eP	19	04	59.5
		eS		05	46.6
	Ml	eP			14.0
		iS		06	08.8
	Qt	eP			05.6
		eS		07	48

	Mu	Sec
PZ	0.001	0.8

△ = 9°.0
H = 19: 03:58
38°.1N, 72°.0E
Tadzhik S.S.R.
Depth about 160 km
Mag = 4.5(Qt)

5	Ml	iP	02	42	12.3c
5	Ml	eP	16	25	44.1
	Kr	eP		26	45.8
6	Wr	eP	08	40	23.9
6	Wr	eP	23	53	18.6
7	Ml	eP	08	09	42.3
7	Wr	eP	13	37	52.3
	Ml	eP		38	20.9
8	Ml	eP	05	04	35.5
	Wr	iP			45.6c

August, 1968

8	Wr	eP	18	41	23.4
		iS		42	07.9
	Ml	eP		41	36.3c
		iS		42	29.0
	Qt	eP			30.2c
		eS		44	07.8

	Mu	Sec
PZ	0.02	0.6

△ = 8°.8
H = 18 : 40 : 25
37°.8N, 72°.0E
Tadzhik S.S.R.
Depth about 160 km
Mag- 4.9(Qt)

Continuation
August, 1968

9	Wr	P	02	29	42
	Qt	eP		30	13.0c
9	Qt	$ePKP_1$	03	28	17 ±
		$ePKP_2$		29	36.8
		eX		33	29.0
9	Qt	eP	07	1D	25.8c
9	Qt	eP	07	32	57.7d
	Wr	P		33	09
9	Wr	P	10	47	54
	Qt	eP		48	30.7c
9	Qt	eP	12	00	44 ±
9	Qt	eP	12	26	36.2d
9	Wr	P	21	42	39
	Qt	eP		43	04.3c
10	Ch	eP	02	14	34
	Wr	P		17	13
	Kr	P			23
	Qt	iP			29.2c
		eS		24	53.8
10	Qt	eP	03	43	01.3c
10	Qt	eP	03	58	1D ±
10	Ch	P	04	13	25
		S		19	25
	Wr	P		16	01
	Qt	eP			17.4
10	Qt	eP	04	20	37.5
10	Qt	eP	04	32	43.0
	Wr	P		33	07

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August, 1968

10	Qt	eP	04	45	26.9
10	Qt	eP	05	05	35.0d
10	Ch	P	05	59	21
		S	06	05	15
	Wr	P		01	55
	Qt	eP		02	11.8c
10	Qt	eP	06	31	15 ±
10	Wr	P	08	20	24
	Qt	eP			42.8d
10	Qt	eP	09	00	22.5d
10	Qt	eP	10	16	18.7c
10	Qt	eP	10	28	40.8c
10	Qt	eP	10	39	24.9
10	Qt	eP	13	56	11.3d
10	Qt	eP	14	11	06.0d
10	Qt	eP	15	32	08.1d
10	Qt	eP	15	56	02.5c
10	Wr	P	16	50	09
	Qt	eP			34.3d
		eS		57	57.9
10	Qt	eP	17	14	07.0d
10	Qt	eP	17	39	14.5d
10	Qt	eP	17	58	31.8d
10	Qt	eP	19	59	06.1d
10	Qt	eP	21	22	33.2d
11	Qt	eP	03	01	15 ±
	Wr	P	03	01	16
11	Qt	eP	03	20	20 ±
11	Qt	eP	03	30	45.8
11	Wr	P	20	10	51
		S		19	08
12	Wr	P	13	53	54
	Qt	eP		54	11.4c
12	Qt	eP	14	15	06.9c
12	Qt	eP	14	17	23.0c
12	Qt	eP	18	26	09.0d
12	Qt	eP	20	41	59.4c
12	Qt	eP	20	48	29.7d
12	Qt	eP	21	08	02.1c
13	Qt	eP	00	24	06.5
13	Wr	P	00	43	34
	Qt	eP			47.7c
13	Qt	eP	00	47	54.5c
13	Wr	P	03	02	59
		S		11	19
	Qt	eP		03	15.5c
13	Qt	eP	04	15	51.5
13	Qt	eP	04	45	33.2
13	Qt	eP	06	53	13.5
13	Qt	eP	06	59	34.2c
13	Qt	eP	07	01	23.1c
13	Qt	eP	18	38	43.7d
13	Qt	eP	22	30	22.1d

August, 1968

14	Qt	eP	01	24	39.7
14	Qt	eP	01	27	25.0d
14	Qt	eP	02	04	02.5
14	Wr	P	08	05	30
	Qt	eP			54.6c
		eS		13	24.0

	Mu	Sec
MH	2.3	20

△ = 53°.6
Mag= 5.7(Qt)

14	Wr	P	08	57	46
	Qt	eP			54.3c
		eS	09	01	20.1
14	Qt	eP	10	24	13.1c
14	Qt	eP	18	35	49 -
14	Qt	eP	20	52	09.7d
14	Ch	P	22	21	18
		S		27	02
	Wr	P		24	01
		S		32	01
	Qt	iP		24	15.0d
		iS		32	18.0
15	Qt	eP	02	36	25.6c
15	Qt	eP	04	22	54.4d
		eS		31	00.0
15	Qt	eP	05	15	43.3c
15	Qt	eP	07	09	15.0c
		eS		16	04.0
15	Qt	eP	08	41	37.4
15	Qt	eP	09	37	37.9d
15	Qt	eP	11	50	28.1d
15	Qt	eP	19	33	14 Onset Poor
15	Qt	eP	21	35	55.4d
15	Qt	eP	23	23	43.3d

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

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

International Seismological Centre

No. SS-9(2)/68/ 1287 Quetta, the 20 September, 68

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

Provisional Readings at Seismological Station from 24th to 31st August, 1968

Additional
August, 1968

16	Wr	iP	10	49	00.3c
		eS		56	55 ±
16	Wr	eP	22	10	07 ± Onset poor
	Ml	eP			16.3
		eS		11	48.7
17	Ml	eP	04	10	31.5
17	Wr	eP	13	39	03.9
17	Lh	eP	18	57	18
	Wr	eP			39.6
17	Wr	eP	21	57	06.1
18	Wr	eP	07	21	24 ± Onset poor
18	Ml	eP	14	22	46.0
	Kr	eP		23	47.8
18	Lh	eP	17	45	22
18	Ml	eP	18	50	43.0
		iS	19	00	26.0
	Kr	eP	18	51	06.3
19	Wr	eP	17	11	50.7
20	Lh	eP	11	28	25
	Kr	eP		29	00.4
21	Wr	eP	05	03	22 ± Onset poor
		eS		04	50.0
21	Wr	eP	18	15	44.5
21	Wr	eP	23	10	06.0
		eS			42.0

August, 1968

22	Wr	iP	00	38	31.3c
		iS		39	03.3
	Ml	eP		38	53.5
		iS		39	43.9
	Lh	eP			13
		eS		40	17
	Qt	iP		39	26.4d
		eS		40	44.4

	Mu	Sec
PZ	0.006	0.6

△ = 6°.8
H = 00 : 37 : 48
36°.3N, 70°.4E
Hindukush Region
Depth about 223 kms.
Mag = 4.0(Qt)

22	Wr	eP	14	11	07.6
22	Wr	eP	16	50	57.8
23	Ml	eP	04	00	33.1
		iS		01	15.9
23	Lh	eP	08	47	22
23	Lh	eP	22	55	18
23	Wr	eP	23	36	04.0

Continuation
August, 1968

24	Qt	eP	12	41	08.8d
24	Qt	eP	14	31	27.5
24	Qt	eP	18	30	35.8
		eS		32	02.8
24	Qt	eP	18	50	05.3
		eX			23.7
24	Qt	eP	19	51	04.5

August, 1968

25	Qt	eP	00	09	21.7
25	Qt	eP	00	21	55.0
25	Qt	eP	02	06	44.9c
25	Wr	eP	04	27	19
	Qt	eP		28	27.2
		eS		30	36.5
25	Qt	eP	09	17	47.4c
		eS		26	15.6

	Mu	Sec
PZ	0.1	1.1
MH	5.1	20

△ = 63°.3
Mag= 5.9(Qt)

25	Qt	eP	09	24	04.0c
25	Qt	eP	10	15	40.4d
25	Qt	eP	11	34	34.8d
25	Wr	P	13	33	18
	Qt	eP			35.3d
25	Qt	eP	15	49	08.2d
25	Qt	eP	18	00	20 Onset poor
25	Qt	eP	18	20	43.4
26	Qt	eP	06	01	46.3
		eS		05	18
26	Qt	eP	06	44	34.8c
26	Wr	P	18	24	25
		S			55
	Ih	P		25	06
		S		26	08
	Qt	iP		25	21.8d
		oS		26	39.7

	Mu	Sec
PZ	0.2	0.6

△ = 6°.8

H = 18 : 23 : 43
36°.2N, 70°.7E
HINDUKUSH REGION
Depth about 223 km
Mag = 5.3(Qt)

26	Qt	eP	18	35	02.8
26	Qt	eP	21	48	09.6c
		oX		49	11.5d
26	Qt	eP	22	32	19.6

August, 1968

27	Wr	P	13	56	55
		S	14	05	58
	Qt	eP	13	57	20.6
		eS	14	06	47.1

	Mu	Sec
PZ	0.07	1.0

△ = 73°.6
Mag = 4.3(Qt)

27	Qt	oP	17	30	43.9d
		eS		31	59.6

	Mu	Sec
PZ	0.01	0.5

△ = 6°.8
Mag = 4.8(Qt)

27	Qt	eP	20	01	13.6c
27	Qt	eP	23	44	58.5c
		eS		46	25.2
28	Qt	eP	00	05	40.6c
28	Wr	P	00	55	15
		S			55
	Qt	eP		56	04 Onset poor
28	Qt	eP	09	49	18.4c
		eS		51	03.0
28	Qt	oP	12	09	08 Onset poor
28	Wr	P	20	51	04
	Qt	iP			30.1c
		eS		59	11.0

	Mu	Sec
MH	22.5	20

△ = 58°.2
Mag= 6.3(Qt)

29	Wr	P	01	45	07
	Qt	eP			32 Onset poor
29	Wr	P	08	14	18
	Qt	eP			43.4c
29	Wr	P	19	55	04
		S			56
	Qt	eP		56	16.1
29	Wr	P	21	16	49
	Qt	iP		17	15.6c
		oS		24	38.0
29	Qt	oP	23	03	39.0
29	Qt	oP	23	14	35.5d
30	Qt	eP	00	17	40.3c
30	Wr	P	02	54	19
	Qt	eP		55	04.9c

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30	Wr	P	06	28	37
	Qt	aP			53.6
30	Wr	P	11	12	59
	Qt	aP		13	19.8
30	Qt	aP	20	21	21.94
30	Qt	aP	21	06	31.6d
30	Qt	aP	21	08	57.9e
	Wr	P		09	57
		S		14	17
30	Qt	aP	21	13	17.1d
30	Qt	iP	22	06	32.8e
		aS		10	07.2

	MA	Sec
MH	14.4	20

$\triangle = 19^{0}.7$

Lh.	P	22	07	31
	S		11	46
Wr	P		07	33

Mag - 5.7(Qt)

31	Qt	aP	09	08	28.2
31	Qt	aP	09	12	07.0
31	Qt	iP	10	49	34.0e
	Wr	P		50	08
	Kr	P			29
	Lh	P			47
		S		53	15

H = 10 : 47 : 43

34°.1N, 59°.0E

Northeastern Iran

31	Qt	aP	12	29	07.8
31	Qt	aP	12	41	47.3
31	Qt	aP	13	24	49.0
	Wr	P		25	24
31	Qt	aP	14	01	57.5
31	Qt	aP	14	48	55.0
31	Qt	aP	15	0[illegible]	10 Onset poor

31	Qt	aP	15	36	[illegible] Onset poor
31	Qt	aP	15	39	41.5
31	Qt	aP	15	44	24 Onset poor
31	Qt	aP	15	05	13 Onset poor
31	Qt	aP	16	09	41.8e
31	Qt	aP	16	55	47.3e
31	Qt	aP	17	09	24.7
		aS		11	05
31	Qt	aP	18	14	33.7d
31	Qt	aP	19	14	56.5
31	Qt	aP	19	18	06 Onset poor
31	Qt	aP	19	32	40 Onset poor
31	Qt	aP	19	46	14.4d
31	Qt	aP	19	52	49.5
31	Qt	aP	20	03	24 Onset poor
31	Qt	aP	20	30	03.2
31	Qt	aP	21	04	09.5
31	Qt	aP	21	26	48.5
31	Qt	aP	21	40	50.3e
31	Qt	aP	22	57	20.2
31	Qt	aP	23	06	33.3d
31	Qt	aP	23	34	37.5
31	Qt	aP	23	40	45.9e

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

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International Seismological Centre

No.SS-9(2)/68/1704 Quetta, the 5th October, 1968

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

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

Provisional Readings at Seismological Station from 1st to 8th September, 1968

Additional
August, 1968

24	Wr	eP	12	41	08 ±	Onset poor
24	Wr	eP	14	30	36.1	
24	Wr	eP	18	29	31 ±	Onset poor
	Ml	eP			53.0	
		iS		30	43.5	
25	Wr	eP	00	09	04.5	
25	Wr	eP	04	27	18.7	
	Ml	eP			22.2	
25	Ml	eP	09	17	03.2	
	Lh	eP			04	
	Wr	iP			10.5	
		eS		23	27.9	
25	Lh	eP	09	23	21	
25	Lh	eP	13	32	57	
25	Wr	eP	15	48	50.9	
25	Wr	eP	17	59	39.3	
26	Ml	iP	18	24	47.0c	
		iS		25	33.4	
	Kr	eP		26	24.1	
27	Lh	eP	13	56	40	
	Kr	eP		57	24	Onset poor
27	Wr	eP	17	29	43.0	
		iS		30	13.4	
	Ml	eP			06.0	
		iS			52	
	Qt	eP			43.9d	
		eS		31	59.6	

	Mu	Sec
PZ	0.01	0.5

△ = 60°.8
H = 17 : 29 : 05
36°.2N, 70°.6E,
HINDUKUSH REGION
Depth about 160 km.
Mag - 4.8 (Qt)

27	Wr	eP	23	43	53 ±	Onset poor
		eS		44	29.3	
	Ml	eP			09.4	
		iS			59.2	
28	Ml	eP	00	55	43.5	
		iS		56	52.2	

August, 1968

28	Wr	eP	09	48	09.9
		eS		49	01.0
	Ml	eP		48	18.6
		eS		49	16.2
	Qt	eP			18.4c
		eS		51	03.0

H = 09 : 47 : 04
58°.0N, 73°.6E
Tadzhik S.S.R.
Depth about 223 km.

28	Ch	eP	20	48	57
		eS		51	04
	Lh	eP		50	41
		eS		57	35
	Kr	eP		51	28.6
29	Lh	eP	21	16	27
30	Wr	eP	20	22	22.3
30	Wr	eP	21	07	31.6
30	Lh	eP	22	07	31
	Wr	eP			33.4c
31	Ch	eP	10	43	33
	Ml	iP		50	38.5c
31	Wr	eP	11	37	02.4
	Kr	eP			17 ±
31	Wr	eP	12	29	43.0
31	Wr	eP	16	55	11.9
31	Wr	eP	23	41	27 ± Onset poor

Continuation

September, 1968

1	Qt	eP	00	21	48.5
1	Qt	eP	00	43	05 Onset poor
1	Qt	eP	01	36	50 Onset poor
1	Qt	eP	01	47	17 Onset poor
1	Qt	eP	03	59	43.8c
1	Qt	eP	05	00	37.0d
1	Qt	eP	05	20	40.1c
1	Qt	eP	05	44	10.4c
	Wr	eP			26.3
	Kr	eP			48.1
	Lh	eP		45	02

September,1968

1	Wr	eP	06	04	00.7
	Qt	eP			46 Onset poor
1	Qt	eP	06	22	41.4c
1	Qt	eP	06	23	17.1
1	Qt	eP	07	29	34.4c
		eS		30	51.6
	Wr	eP			10.9
	Kr	eP			26.6
	Ml	eP			39.0
	Lh	eP			46
		eS		33	18
1	Qt	eP	08	25	20.9
1	Qt	eP	09	11	44 Onset poor
1	Qt	eP	09	16	49.9c
1	Qt	eP	09	34	17.7c
1	Qt	eP	10	46	03.5c
1	Qt	eP	11	05	45.2c
1	Qt	eP	11	06	03.7c
		eS		07	34.8
	Wr	eP		06	20.8
1	Qt	eP	11	40	48.0c
1	Qt	eP	12	36	24 Onset poor
1	Qt	eP	13	57	04.8
1	Qt	eP	14	54	35.5
		eS		55	49.0
	Wr	eP			18.0
1	Qt	eP	15	32	03. Onset poor
1	Qt	eP	19	18	40.7d
	Wr	eP		19	16.3
1	Qt	eP	20	46	06.5
1	Qt	eP	21	18	45.4
1	Qt	eP	22	04	13.7c
1	Wr	eP	22	25	03.4
	Qt	eP			53.6d
1	Qt	eP	23	13	06.1
2	Qt	eP	00	08	40 Onset poor
2	Qt	eP	07	08	27.2c
2	Qt	eP	08	22	36.5d
2	Qt	eP	10	57	54.4
2	Qt	eP	13	05	59.0
2	Qt	eP	13	38	10.0
2	Qt	eP	16	14	14.6
2	Qt	eP	18	32	33.5c
2	Wr	eP	19	02	42.7
		eS		03	51.9
	Qt	eP			48.9
2	Wr	eP	19	39	57.3
	Qt	eP		40	07.2c

2	Qt	eP	21	34	05 Onset poor
3	Qt	eP	01	23	57.0d
3	Wr	eP	05	33	11.7
	Qt	eP			49.4c
3	Wr	eP	07	11	05.4
	Qt	eP			43 Onset poor
3	Qt	eP	08	26	04.0c
		eS		30	54.8
	Wr	eP		26	15.8
	Kr	eP			31.9
	Ml	eP			36.3
	Lh	eP			45
3	Qt	eP	09	17	29.7c
3	Qt	eP	09	55	42.1d
	Wr	eP		56	16.9
		eS		59	18.7
3	Wr	eP	10	07	34.6
		eS		08	06.1
	Qt	eP			31.8c
		eS		09	51.2

	Mu	Sec
PZ	0.01	0.7

Δ 7.0
Mag - 4.6 (Qt)

3	Qt	eP	10	56	11.1c
3	Qt	eP	11	02	26.4d
3	Qt	eP	11	11	46.4c
3	Qt	eP	14	15	21.2d
3	Qt	eP	14	44	14.6c
	Wr	eP			51.1
3	Qt	eP	15	02	33.8
	Wr	eP		03	08.2
3	Qt	eX	15	56	03.0
3	Qt	eP	16	42	26.0
3	Wr	eP	17	50	25.5
	Qt	eP		51	08.8

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September, 1968

3 Wr eP 18 49 00.9
Ml eP 29.0c
eS 50 27.1
Lh eP 49 47
eS 50 59
Qt eP 49 47.5
eS 51 04.8
Kr eP 50 54.0

H - 18 : 48 : 12
36°.4N, 68°.9E
HINDUKUSH REGION
Felt slightly at Peshawar and Warsak
Depth about 33 km.

3 Wr eP 19 47 31.8
Qt eP 58.4
Ch eP 53 25
eS 59 16

3 Qt eP 21 18 27.8
3 Lh eP 22 31 02
Wr eP 12.4
Qt eP 46.0d

4 Wr eP 00 46 18.3
Qt iP 33.3d

4 Qt eP 00 54 06 Onset poor
4 Qt eP 00 56 40 Onset poor
eS 57 43.0

4 Wr eP 01 44 53.2
Qt eP 45 38.5

4 Qt eP 04 11 04.9

4 Qt eP 05 56 13.4c

4 Wr eP 07 33 24.7
Qt eP 32.9
Ml eP 48.8

4 Qt eP 08 10 34.0
Wr eP 11 10.2

4 Qt eP 11 21 27.7
Wr eP 22 03.2
eS 25 03.7

4 Qt eP 16 36 36.0d

4 Qt eP 17 04 04.0

4 Lh eP 19 17 35
Qt eP 18 19.0d

4 Qt eP 20 52 56.0d

4 Qt eP 21 00 24.2

September, 1968

4 Qt eP 23 26 50.6
eS 28 16.8
Wr eP 27 27.4
eS 30 29.9
Kr eP 27 43.2
Ml eP 55.0

5 Wr eP 03 02 38 + Onset poor
Qt eP 50.6d

5 Wr eP 04 09 52.1
Qt eP 10 46.4c

5 Qt eP 04 21 17.1c

5 Qt eP 05 02 30.8c

5 Wr eP 05 38 10.7
Qt eP 22.7d

5 Qt eP 05 48 54.9d

5 Qt eP 09 00 24 Onset poor

5 Qt eP 11 06 31.0c

5 Qt eP 11 47 27.3d

5 Qt eP 12 05 27.3d

5 Qt eP 12 42 22 Onset poor

5 Qt eP 13 42 45.2 c
5 Qt eP 14 01 02.0
Wr eP 37.6

5 Qt eP 17 16 04.8c
5 Qt eP 19 34 17.1c

5 Qt eP 21 10 06.0

6 Qt eP 02 29 25.7c
Wr eP 30 01.2

6 Qt eP 04 37 14.9d

6 Qt eP 05 09 16.1

6 Wr eP 07 48 38 Onset poor
Qt eP 49 16.1

6 Qt eP 11 24 34 Onset poor

6 Qt eP 14 18 11.7

6 Lh eP 19 31 28
Wr eP 42.8d
Qt eP 32 18.0d
eS 40 00.2

	Mu	Sec
MH	9.8	20
△	550.5	

Kr eP 19 32 37.8
Mag 6.0 (Qt)

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September,1968

6	Qt	eP	21	38	47.6c
6	Qt	eP	22	41	46.3d
6	Qt	eP	23	26	41.6
7	Qt	eP	00	52	29.2
7	Qt	eP	03	20	59.0d
7	Qt	eP	05	27	50.9d
7	Wr	eP	07	00	03.5
	Qt	eP			18.8
7	Qt	eP	09	37	16.0c
		eS		38	39.3
7	Qt	iP	11	06	32.8c
7	Qt	eP	11	44	27.4
7	Qt	eP	16	10	53.8d
7	Qt	eP	18	21	54.0c
7	Qt	eP	20	09	26.7
7	Ml	eP	20	17	04.1
	Qt	eP			47.3c
		eS		19	05.4
7	Qt	eP	20	34	43.7d
		eS		36	56.7
8	Qt	eP	02	11	56.0d
8	Wr	eP	08	54	32.9
	Qt	eP		55	20.1d

September,1968

8	Qt	eP	13	23	08.2d
8	Qt	eP	14	08	02.5
8	Ch	eP	15	22	08
		eS		30	08
	Lh	eP		23	59
	Wr	eP		24	16.7
		eS		34	04
	Kr	eP		24	28.1
	Qt	iP			32.3c
		iS		34	34.0

	Mi	Sec
MH	4.2	20
△	80.3	
Mag=	6.0(Qt)	

8	Wr	eP	15	44	01.4
	Kr	eP			12.4
	Qt	eP			18.1c
8	Qt	eP	16	11	31.3
8	Qt	eP	18	48	09.5d
8	Qt	eP	19	03	12.6c
8	Lh	eP	19	53	20
	Wr	eP			43.8
		eS	20	01	34.4
	Qt	eP	19	53	58.9c
		eS	20	02	02.1
8	Wr	eP	20	19	55
	Qt	eP		20	33.3c
8	Qt	eP	20	43	09.2
8	Qt	eP	22	20	28.3d
8	Qt	eP	23	02	54.8

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

International Seismological Centre

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POST BOX NO. 2, QUETTA

International Seismological Centre

P A K I S T A N

No.SS-9(2)/68/ 1754 Quetta, the 7 October, 1968

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

x-Unidentified Phase, c-Compression
d-Dilatation

Provisional Readings at Seismological Stations from 9th to 15th September, 1968

Continuation

September, 1968

9	Qt	eP	00	54	26.8
	Wr	eP			36.1
9	Qt	eP	00	55	07.6
9	Qt	eP	00	56	57.8
	Wr	eP		57	00.2
9	Qt	iP	02	47	09.0d
		eS			37.7

	Mu	Sec
PZ	0.1	0.7
△	2°.5	

Kr	eP	02	47	22.0
Wr	eP		48	22.3
	eS		49	50.3

H = 02 : 46 : 30
28°.0N, 66°.0E
Near Khuzdar West Pakistan
Depth about 33 km
Mag - 4.1(Qt)

9	Qt	eP	05	07	26.5
9	Wr	eP	07	39	36.0
		eS		40	08.1
	Qt	eP			33.3
		eS		41	50.4

	Mu	Sec
PZ	0.04	0.7
△	= 6°.8	

Mag = 5.2(Qt)

9	Qt	eP	10	03	43.8d
9	Qt	eP	18	38	06.5

September, 1968

9	Wr	iP	21	28	58.6d
		eS		29	24.2
	Qt	eP		26	Onset poor
9	Kr	eP	22	17	59.5
	Qt	eP		18	27.1d
9	Qt	eP	22	59	57.6d
10	Qt	eP	05	10	53.2c
10	Qt	eP	05	23	57.6
10	Wr	eP	05	36	51.4
	Qt	eP		37	08.5
10	Wr	eP	05	51	50.6
	Qt	eP		52	06.0c
10	Qt	eP	06	02	54.9c
10	Qt	eP	07	12	52.5c
10	Qt	eP	11	28	47.1c
10	Wr	eP	15	14	17.7
	Qt	eP		15	14.1
		eS		16	30.6
10	Wr	iP	17	18	52.2d
		iS		19	23.2
	Ml	iP			13.0c
		iS		20	01.0
	Lh	eP		19	33
	Qt	iP			49.3d
		iS		21	07.2
	Kr	eP		20	52.1
		eS		22	55

H = 17 : 18 : 11
36°.1N, 70°.7E
HINDUKUSH REGION
Depth about 223 km

10	Qt	eP	18	03	09.4d
10	Qt	eP	20	33	50.8c
		eS		35	21.6

	Mu	Sec
PZ	0.06	0.7
△	8°.0	

Mag = 5.9(Qt)

	Wr	eP	20	34	25.6

10	Qt	eP	21	19	50 Onset poor
10	Qt	eP	21	49	11.0c
10	Qt	eP	23	32	56.0
10	Qt	eP	23	55	16.7
11	Wr	eP	03	12	03.4
	Qt	eP			51.1c
11	Qt	eP	03	39	15.5
11	Qt	eP	04	47	11.4d
11	Wr	iP	08	27	37.4c
		iS		28	05.3
	Ml	iP		27	57.8c
		iS		28	40.5
	Qt	eP			43.4c
		eS		30	01.9

H - 08 : 27 : 01
36°.2N, 71°.4E
Hindukush Region
Depth abcut 160 km

11	Qt	eP	08	51	46.3d
11	Qt	eP	11	41	28.2c
11	Kr	eP	18	46	12.3
	Qt	eP			16.7
	Wr	eP			26 Onset poor
	Lh	eP			27
11	Qt	eP	19	19	00.5c
	Wr	eP			36.4
	Kr	eP			46 Onset poor
	Lh	eP		20	21
11	Qt	eP	20	13	34.1
11	Qt	eP	21	05	19.7
11	Qt	eP	21	47	19.4d
11	Wr	eP	21	55	32 Onset poor
	Qt	eP		56	09.1d
12	Wr	eP	08	02	03.0
		eS			35.0
	Qt	eP			11.1
		eS		03	37.7
12	Qt	iP	12	58	05.2d
		iS		59	26.9
12	Wr	eP	13	46	12.9
	Qt	eP			48.4c
12	Wr	eP	15	38	44.5
	Ml	eP			45.3
	Qt	eP		39	55.5d
		e(S)		42	10.0
	Kr	eP		40	54.4

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12	Qt	eP	20	38	21.7d
12	Qt	eP	21	01	51 Onset poor
		e(S)		03	21.2
12	Lh	eP	23	01	37
	Wr	eP			41.9
	Kr	eP			46.6
	Qt	eP			47.3
12	Qt	eP	23	11	58.5d
13	Qt	eP	00	23	46.9
13	Qt	eP	01	10	23.2c
13	Qt	eP	01	15	43.2c
13	Qt	eP	07	40	00.8d
13	Qt	eP	12	23	25.2
13	Qt	eP	12	30	53.7c
13	Qt	eP	14	42	16.6c
13	Qt	eP	20	05	15.6
13	Qt	eP	23	15	34.6
14	Qt	eP	01	34	54.2
	Wr	eP		35	15.7
14	Wr	eP	07	06	54.8
	Qt	eP		07	02.6d
14	Wr	iP	10	19	16.7d
		iS			50.7
	Ml	eP			39.6c
		eS		20	30.4
	Lh	eP		19	57
		eS		21	02
	Qt	eP		20	09.1d
		eS		21	24.9

	Mu	Sec
PZ	0.01	0.5

△ = 6°.7
H = 10 : 18 : 32
36°.3N, 70°.2E
HINDUKUSH REGION
Depth about 223 km
Mag = 4.2(Qt)

14	Qt	eP	13	51	20.3c
		e(S)		53	40.1
	Kr	eP		51	31.4
		eS		53	45
	Wr	eP		52	21.8
	Lh	eP			43
	Ml	eP			46.6

September,1968

14	Qt	eP	15	02	48.1	
14	Qt	eP	15	25	47.9d	
14	Qt	eP	19	23	15.0	
	Kr	eP			24 ±	Onset poor
	Wr	eP		24	14.7	
14	Wr	eP	20	31	25.1	
		eS			58.0	
	Ml	eP			51.5	
		iS		32	42.5	
	Lh	eP			10	
		eS		33	15	
	Qt	eP		32	17.4d	
		eS		33	31.8	

	Mi	Sec
PZ	0.02	0.6

△ = 6°.5
H = 20 : 30 : 43
36°.2N, 69°.3E
HINDUKUSH REGION
Depth about 160 km
Mag - 4.5 (Qt)

14	Qt	eP	21	18	06.5
14	Wr	eP	22	00	41.1
		eS		01	22.9
	Qt	eP			08.1
14	Qt	eP	23	30	14.1

September,1968

15	Qt	eP	01	48	02.9d
15	Wr	eP	03	21	35.1
	Kr	eP			46.9
	Qt	eP			51.9
15	Qt	eP	05	02	54.5d
	Wr	eP		03	10.3
15	Wr	eP	05	57	41 ± Onset poor
	Qt	eP		58	43.8
		eS	06	00	00.4
15	Qt	eP	08	17	51.5c
15	Qt	eP	09	44	04.8c
	Wr	eP			40.7
15	Wr	iP	10	59	50.9c
	Lh	eP			54 c
	Qt	eP	11	00	27.5c
	Kr	eP			46.4
15	Qt	eP	12	08	00.4c
	Lh	eP			22
	Wr	eP			40.2
15	Wr	eP	14	17	46.6
		eS		18	32 ±
	Ml	eP			00.8
	Qt	eP			55.9
15	Qt	eP	15	02	50.7
15	Qt	eP	17	37	47.4 d

(K.U.Siddiqi)T.I,
for Director,
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P A K I S T A N

International Seismological Centre

No.SS-9(2)/68/ Quetta, the November, 1968

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

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

Provisional Readings at Seismological Stations from 24th to 30th Sept.1968

Continuation
September, 1968

24	Wr	eP	01	14	54.2
		eS		15	12.4
	Qt	eP			48 Onset poor
		eS		16	51.4
24	Ch	eP	03	43	32d
		eS		50	25
	Lh	eP		44	24
	Wr	eP			29.9
	Qt	iP		45	06.7c
		eS		53	47.9
24	Qt	eP	04	25	06.7
	Wr	eP			23.9
24	Wr	iP	04	55	44.8c
	Qt	eP		56	21.7
24	Wr	eP	09	10	33 Onset poor
	Qt	eP			51.8
24	Qt	eP	12	06	46 Onset poor
24	Qt	eP	13	45	43.5
24	Qt	eP	22	51	07 Onset poor
25	Qt	eP	01	59	42.7
		eS	02	00	53.3
25	Ml	eP	02	33	14.3
		iS		34	06.8
	Qt	eP			07.6
25	Qt	iP	04	10	28.0c
		eS		11	16
	Kr	eP		10	46 Onset poor
25	Qt	eP	06	46	38 Onset poor
25	Qt	eP	07	21	35 Onset poor
25	Qt	eP	09	35	16.6

September, 1968

25	Qt	eP	10	54	24
		ePKP		57	36.0
		ePP		59	48.0
	Wr	ePKP		57	30.8
	Lh	ePKP			37
	Kr	ePKP			42.3
	Ch	ePKP			57
25	Qt	eP	14	30	24.4d
25	Qt	eP	14	52	53.0c
25	Qt	eP	18	11	07.5c
25	Qt	eP	20	57	25.1d
		eS	21	01	42.2

	Mu	Sec
MH	2.8	20

$\triangle = 24^{\circ}.8$

	Wr	eP	20	57	41.4

Mag = 5.4(Qt)

25	Qt	eP	21	46	52.5c
26	Wr	eP	00	46	39.1
	Ml	iP		47	07.3d
	Lh	eP			20
	Qt	iP			20.5d
	Kr	eP			23.9
		eS		50	03
	Ch	eP		51	20

H = 00 46 12
33.7N, 69.5E
Pakistan-Afghanistan border Region
Felt at Warsak, Peshawar, Mardan, Charsada and Kohat.

September, 1968

26	Qt	eP	01	33	07 Onset poor
26	Kr	eP	08	15	35.5
	Wr	eP			55.9
	Qt	eP		16	00.0
26	Wr	eP	08	33	44.9
	Qt	eP		34	21 Onset poor
26	Wr	eP	08	59	01.1
	Qt	eP			08.5d
26	Qt	eP	11	32	48.2
26	Ch	ePKP	14	54	34
	Wr	ePKP		56	05.0
	Qt	iPKP			13.4d
		SS15		15	04.4
26	Qt	eP	15	06	09.0
26	Qt	eP	16	37	49.3c
26	Ch	eP	18	16	42
	Wr	ePKP		21	42.9
	Kr	ePKP			45.6
	Qt	eP		18	25.9
		ePKP		21	47.5
		ePP		23	25.8
26	Ih	eP	18	52	47
	Qt	eP		53	28.0c
26	Qt	eX	19	10	23 Onset poor
27	Qt	eP	03	45	23.5
27	Ch	eP	04	07	17c
		eS		13	52
	Lh	eP		09	23c
		eS		17	47
	Ml	iP		09	29.2c
		iS		18	02.3
	Kr	eP		09	43.8
	Wr	eP		09	44.0
		eS		10	28
	Qt	eP		09	56.0c
		eS		18	52.0
27	Qt	eP	09	38	22 Onset poor
27	Qt	eP	10	30	58.5
	Wr	eP			59.0

September, 1968

27	Wr	eP	10	38	54.4
	Ml	iP		39	09.6d
		eS			55.2
	Lh	eP			29
		eS		40	33
	Qt	eP			01.0
		eS		41	37.6
	Kr	eP			03.5
		eS		43	23
	Ch	iP		42	52c
		eS		47	01
27	Qt	eP	13	04	54.5
		eS		05	36.0
27	Qt	eP	15	55	21.3
27	Wr	ePKP	17	00	01.1
	Qt	ePKP			06.0
		ePP		01	56
27	Qt	eP	17	49	44.c
27	Ch	eP	19	16	32
	Lh	eP		18	23
		eS		27	58
	Wr	eP		18	38.0
	Kr	eP			51.1
	Qt	eP			55.0
		eS		29	03.9

	Mu	Sec
MH	8.0	20
△	81°.6	
Mag=	6.1(Qt)	

27	Wr	eP	21	10	52.6
	Kr	eP		11	04.3
	Qt	eP			09.5c
27	Qt	eP	21	30	09.9
27	Qt	eP	21	47	31.2
27	Qt	eP	22	07	49.2
27	Wr	eP	02	21	32.4
		eS		22	13.8
	Ml	eP		21	47.2
		iS		22	40.0
	Qt	eP			38.0
		eS		24	12.5

	Mu	Sec
PZ	0.06	0.9
△ =	8°.5	

Kr eP 02 23 16.5

H = 02 20 37
37°.7N, 72°.0E
Tadzhik S.S.R.
Depth about 160 km.
Mag = 5.1(Qt)

28	Qt	eP	07	50	35.4
28	Qt	eP	08	57	42.0d

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September, 1968

28	Qt	eP	09	26	17.6d
		eS			48.4

	Mu	Sec
PB	0.2	0.7

Δ = 2°.6

	Kr	eP	09	26	20.6
		eS			58
	Ml	eP		27	36.2
		eS		29	06.8
		eP		30	46

H = 09 25 36
27°.7N, 66°.6E
Khuzdar, West Pakistan
Depth about 33 km
Mag = 4.4(Qt)

28	Ch	eP	10	00	52
	Wr	eP		03	30.2
	Qt	eP			59.0
28	Qt	eP	11	20	02.9
28	Qt	eP	12	31	32.5d
28	Qt	ePKP	14	12	58.0
		iX		13	03.7
		ipPKP			22.7
		ePP		16	13.3
		ePKS			27.9
	Kr	ePKP		13	03.1
	Lh	ePKP			12
	Ch	ePKP			36
28	Qt	eP	16	08	03.7
28	Qt	eP	16	12	06.6
28	Qt	eP	18	30	32.2d
29	Qt	eP	01	38	02.4
	Wr	eP			48.1
29	Qt	eP	03	08	04.6
	Kr	eP			37.5
29	Qt	eP	04	31	32 Onset poor
29	Wr	eP	05	22	21.8
	Qt	eP			40.2d
29	Wr	eP	08	32	12.8
	Qt	eP			40.0
29	Qt	eP	12	32	06 Onset poor
29	Ch	eP	13	34	17
	Wr	eP		36	55.2
	Kr	eP		37	03.6
	Qt	eP			12.6

September, 1968

29	Wr	eP	14	30	00.1
		eS			13.0
	Ml	eP			05.0d
		eS			22.0
	Qt	eP		31	10.5
		eS		32	15.0

	Mu	Sec
PB	0.006	0.7

Δ = 5°.6

H = 14 29 47
33°.7N, 72°.1E
West Pakistan
Depth about 33 km
Mag = 4.3(Qt)

29	Ch	eP	17	28	08
	Qt	eP		30	34.0c
29	Qt	eP	17	49	55 Onset poor
29	Qt	eP	18	25	32.0
29	Wr	eP	19	52	31.2
		eS	20	01	13.5
	Qt	eP	19	52	43.6
29	Ml	eP	20	02	11.1
		iS			54.7
	Qt	eP			44.5c
		eS		03	56.5
29	Qt	eP	21	59	36.9c
29	Ch	eP	22	04	21
	Wr	eP		06	28.9
	Kr	eP			41 Onset poor
	Qt	eP			44.4
29	Qt	eP	22	54	15.7
30	Wr	eP	10	17	58.9
		eS		18	31.9
	Qt	eP			33 Onset poor
		eS		20	23.7
30	Qt	eP	11	56	13.6
30	Wr	eP	14	15	23.0
	Qt	eP			40.3
30	Ml	eP	14	25	42.5
	Wr	eP			56.8
		eS		34	03.4
	Kr	eP		26	07.6
	Qt	iP			15.1c
		iS		34	36.7
30	Qt	eP	17	22	47.2

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

International Seismological Centre

18 OCT 1968

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)/68/1816 Quetta, the 4th October, 1968

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

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

Provisional Readings at Seismological Stations from 16th Sept. to 25rd September, 1968

Continuation

September, 1968

16	Ch	eP	14	05	37 Onset poor
	Lh	eP		07	40
	Wr	eP			54.1
	Kr	eP		08	05.4
16	Ch	eP	14	34	58 Onset poor
16	Wr	eP	16	13	09.4
16	Ml	eP	20	41	48.0
		iS		42	33.0
17	Ml	eP	18	30	19.5
		iS		31	01.7
18	Wr	eP	06	22	32.2
18	Wr	iP	07	38	10.7d
		iS			47.2
	Ml	eP			28.7
		iS		39	21.9
	Lh	eP		38	50
	Qt	eP		39	16.6c

H - 07 : 37 : 23
37°.0N, 71°.6E
HINDUKUSH REGION
Depth about 160 km

18	Wr	eP	10	19	22.7d
		iS			57.7
	Qt	eP		20	21.5
		eS		21	43.4
18	Qt	eP	14	23	36.3c
18	Qt	eP	15	12	06.4
18	Qt	eP	15	30	56.0d
		eS		32	16.6
18	Qt	eP	23	23	29.7d
19	Qt	eP	03	57	17.5
19	Qt	eP	05	17	21.5c
19	Qt	eP	09	14	38.3d
	Wr	eP			49 Onset poor
19	Wr	iP	10	02	29.2d
		iS		03	00.1
	Qt	eP			26.4d
		eS		04	48.6
19	Qt	eP	11	26	26.7
19	Qt	eP	12	09	55.2d
19	Qt	eP	12	55	49.9d
19	Wr	eP	17	08	51 Onset poor
	Qt	eP		09	45.4
		eS		10	26.2

September, 1968

19	Wr	eP	19	31	26.5
	Qt	eP		32	18 Onset poor
19	Wr	iP	20	05	17.8d
	Qt	eP		06	30 Onset poor
		eS		07	18.5
19	Qt	eP	21	33	05.0
19	Qt	eP	22	15	31.3c
		eS		17	40.0
	Kr	eP		15	39.5
		eS		17	55
	Wr	eP		16	30.0
	Lh	eP			54
19	Qt	eP	22	44	07 Onset poor
19	Qt	eP	23	38	49.2c
20	Qt	eP	06	14	53.0
		eS		19	37.3
20	Ml	eP	14	03	09.6
	Qt	eP			52.8c
20	Qt	eP	16	57	49.5d
20	Qt	eP	18	48	04.4c
20	Qt	eP	21	00	20.6 Onset poor
20	Qt	eP	22	35	28.9c
20	Qt	eP	23	10	46.8
		eS		17	17.9
20	Qt	eP	23	21	47.7
		eS		23	30.4
21	Wr	eP	05	33	45.4
		eS		34	32.0
	Ml	eP		33	58.2
		iS		34	50.6
	Qt	iP			53.6c
		eS		36	34.2

	Mn	Sec
PZ	0.01	0.8

△ = 9°.1
H = 05 : 32 : 45
38°.0N, 72°.2E,
Tadzhik, S.S.R.
Depth about 160 km
Mag = 4.5(Qt)

21	Qt	eP	11	54	03.5
		eS		56	23.2

International Seismological Centre

September, 1968

21	Ch	iP	13	14	26c
		eS		21	11
	Ml	eP		15	21.5
	Lh	eP			24c
	Wr	iP			28.7
		eS		23	16.1
	Qt	iP		16	06.0c
		iS		24	16.4
	Kr	iP		16	26.3c
		eS		25	02
21	Qt	eP	19	00	50.0
22	Qt	eP	08	18	14.3d
22	Qt	eP	08	20	54.3c
22	Ch	eP	09	26	30
	Lh	eP		28	50
	Wr	eP		29	10.9
	Qt	eP			37.2d
		eS		37	09.4
	Kr	eP		29	38.2
22	Qt	eP	15	25	14 Onset poor
	Ch	eP			26

September, 1968

22	Wr	eP	20	25	35.1
		eS		27	05.2
	Qt	eP		26	47 Onset poor
22	Qt	eP	22	11	58.4
	Wr	eP		12	07 Onset poor
	Lh	eP			15
22	Qt	eP	22	15	23.8
	Kr	eP			24.1
23	Qt	eP	01	35	40 Onset poor
		eS		37	22.3
23	Ch	eP	05	12	23
	Lh	eP		13	24
	Wr	eP			30.2
	Qt	eP		14	07.5
		eS		22	31.3
23	Qt	eP	07	15	08.9
23	Qt	eP	18	57	57.0
23	Qt	eP	19	35	08.5
23	Qt	eP	21	32	22.6d
23	Qt	eP	23	50	48.2c

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

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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)/68/ Quetta, the November, 1968

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

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

Provisional Readings at Seismological Stations from 1st to 8th October, 1968

Continuation
October, 1968

1	Qt	eP	01	14	12 Onset Poor
1	Qt	eP	02	06	02 Onset Poor
1	Qt	eP	03	39	57.8
1	Qt	eP	18	20	32.2
1	Qt	eP	23	15	05 Onset Poor
2	Wr	eP	09	19	05.4d
	Qt	iP			36.6d
2	Wr	eP	19	04	56 Onset Poor
	Ml	eP		05	10.5
	Qt	eP			54.9
		eS		07	45.7
2	Wr	eP	20	01	38.3
	Qt	eP		02	04.6c
2	Qt	eP	20	33	03 Onset poor
2	Qt	eP	23	50	21 Onset Poor
3	Lh	eP	08	15	09
	Ml	eP			16.9
	Wr	iP			30.9d
		eS		24	04
	Kr	oP		15	35.2
	Qt	iP			45.4d
		eS		24	29.6
3	Qt	eP	11	20	59.5c
3	Qt	eP	11	39	05.6
3	Qt	eP	12	34	12.1
3	Qt	eP	13	09	52.5
3	Kr	eP	13	31	10.1
	Qt	eP			15 Onset poor
3	Qt	eP	14	01	15.1c

October, 1968

3	Wr	eP	18	19	52.5
	Qt	eP		20	17.7
3	Qt	eP	19	23	07.5c
3	Qt	eP	20	53	52.8
3	Qt	eP	23	07	30 Onset poor
4	Wr	eP	00	49	33.0
	Qt	eP		50	06 Onset poor
		eS		58	24
4	Wr	eP	04	33	48.7
	Qt	oP		34	26.2d
4	Wr	eP	05	53	50.5
	Qt	eP		54	24.4
4	Qt	eP	05	59	42.7c
4	Qt	eP	06	23	10.6d
	Wr	eP			22.5
4	Wr	eP	07	01	51.3
		oS		10	45.1
	Qt	eP		02	04.0c
4	Lh	eP	07	37	42
	Wr	iP		38	03.4c
		eS		46	53
	Qt	eP		38	15.6c
4	Qt	eP	07	47	24.8c
4	Wr	eP	11	04	34 Onset poor
	Qt	eP		05	28.4
		eS		06	58.7
4	Qt	eP	11	47	04.6
4	Qt	eP	15	20	29 Onset poor
4	Qt	eP	17	44	46.8d
4	Wr	eP	19	22	15.6
	Qt	eP			42.5

International Seismological Centre

October, 1968

5	Qt	eP	00	12	49.8
5	Qt	eP	08	33	05.6
5	Qt	eP	09	34	24.9d
5	Qt	eP	11	42	29.9
5	Qt	eP	12	41	30.3
5	Qt	eP	15	17	02.0d
		eS		20	20.0
	Wr	eP		17	08.8
	Ml	eP			32.0d
5	Qt	eP	17	40	49 Onset poor
5	Qt	eP	21	30	15.7
5	Wr	eP	22	14	02.2
	Qt	eP			28.2c
5	Qt	eP	23	46	24.1d
6	Ch	eP	07	45	17
		eS		47	28
	Wr	eP		48	38.7
		eS		53	34.1
	Qt	eP		48	44.8
6	Wr	eP	07	58	08.7
		eS			20.2
	Ml	iP			11.5c
		iS			24.7
	Lh	eP			38
	Qt	eP		59	17 Onset poor
		eS	08	00	23.5

	Mu	Sec
PZ	0.01	0.7

△ = 5°.6
H = 07 : 57 : 53
33°.9N, 72°.2E
West Pakistan
Mag = 4.1(Qt)

6	Qt	eP	09	06	01.3c
6	Qt	eP	12	16	44 Onset poor
6	Qt	eP	15	13	31 Onset poor
	Wr	eP			50.8
6	Qt	eP	19	39	08.1c
6	Wr	eP	19	49	59.5
	Qt	iP		50	33.1d
6	Qt	eP	19	55	05.9

October, 1968

6	Wr	eP	21	34	53.6
		eS		35	22.4
	Qt	eP			55 Onset poor
		eS		37	15.0
6	Qt	eP	22	13	12.4
7	Wr	eP	00	36	18.8
	Qt	eP			36.2c
		eX			52.0
7	Qt	eP	10	27	44.1d
7	Qt	eP	16	42	35.8
7	Qt	Ch	iP	19	27 50 c
	Lh	eP		29	22
		eS		36	36
	Ml	eP		29	23.3
	Wr	iP			33.7d
	Qt	iP		30	04.6d
		eS		38	01.2
7	Qt	eP	20	43	05.5d
7	Ch	iP	20	57	29
		eS	21	04	42
	Ml	eP	20	58	24.8
	Lh	eP			27
	Wr	eP			31.6
	Qt	eP		59	09.3c
	Kr	eP			28 Onset poor
	Wr	ep			
7	Wr	eP	21	22	46.6
		eS			59.9
	Ml	eP			51.4
		iS		23	09.2
	Qt	eP			57.6d
		eS		25	04.4

H = 21 : 22 : 29
34°.0N, 72°.6E
West Pakistan
Depth about 33 km.

7	Ch	eP	23	57	03
	Lh	eP		58	44
	Wr	eP			58.0
	Qt	eP		59	23.8
8	Qt	eP	01	00	43.5c
8	Qt	eP	04	39	36.0
8	Qt	eP	04	54	17.5d
8	Qt	eP	05	11	07.2

October, 1968

8	Ch	eP	07	53	42
		eS	08	02	11
	Kr	eP	07	54	15.4
	Lh	eP			43d
	Qt	eP			46.4d
		eS	08	04	06.8
	Ml	eP	07	54	53.5
	Wr	eP		55	00.8
8	Qt	eP	15	12	30 Onset poor
	Wr	eP			40.9
	Ml	eP			47.0
	Lh	eP			50

October, 1968

8	Ch	eP	15	13	16
	Kr	eP		15	55 +
	Qt	eP			55.9d
8	Qt	eP	17	51	43 Onset poor
8	Qt	eP	22	06	25.6d
		iS			59.4
	Kr	eP			36.7
	Wr	eP		07	37.6
	Ml	eP			49.6
		eS		09	25.2

H - 22 : 05 : 46
28°.1N, 65°.8E
West Pakistan
Depth about 96 km.

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

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

P A K I S T A N

No.SS-9(2)/68/2055 Quetta, the 9th November, 1968

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

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

Provisional Readings at Seismological Stations from 9th to 15th October, 1968

Continuation
October, 1968

9	Qt	eP	00	50	05.9
9	Wr	iP	00	50	57.9
		eS		51	29.7
	Qt	iP			57.9
		iS		53	16.0
			Mu		Sec
		PZ	0.01		0.5
			△ = 6°.9		
			Mag= 4.8(Qt)		
9	Qt	eP	03	57	38.1d
9	Qt	eP	15	47	14.1c
9	Qt	eP	16	42	11.0d
9	Qt	eP	17	10	27.9
9	Qt	eP	18	08	47.7
9	Qt	eP	21	28	33.1
10	Qt	eP	07	26	56.2
10	Qt	Q			
10	Ch	eP	15	15	55
	Wr	eP		17	53.9
	Qt	eP		18	10 Onset poor
		eS		28	30
	Kr	eP		18	19.4
10	Qt	eP	16	27	11.4
10	Qt	eP	19	37	58.1
10	Wr	eP	22	49	59.3
		eS		50	49.9
	Ml	eP			20.6
		iS		51	22.5
	Qt	eP		50	54.4
		eS		52	42.0
		H =	22 : 48 : 56		
			38°.2N, 70°.0E		
			Tadzhik S.S.R.		
			Depth about 160 km		
11	Qt	eP	00	05	42.8
11	Wr	iP	03	17	32.4d
		eS		18	04.8
	Ml	eP		17	59.3
		iS		18	52.7
	Qt	iP			20.3d
		eS		19	33.0
	Kr	eP			28.4

October, 1968

11	Qt	eP	07	58	21.5
	Wr	eP			57.5
11	Wr	eP	12	41	01.9
		iS			15.3
	Ml	iP			09.0d
	Qt	eP		42	10.0
		eS		43	19.4
		H = 12:40:43			
		34°.1N, 72°.4E			
		West Pakistan			
		Depth about 96 km			
11	Qt	eP	17	30	34.6
12	Qt	eP	03	16	00 Onset poor
12	Wr	eP	08	08	28.7
	Qt	eP			56.4d
12	Wr	eP	12	23	17.6
	Qt	eP			53.9
12	Lh	eP	19	06	54
		iS		07	20
	Ml	eP			02.5
		iS			33.5
	Wr	eP			28.2
	Qt	eP		08	20.5d
		eS		09	52.6
			Mu		Sec
		PZ	0.08		1.3
			△ = 8°.4		
			H = 19:06:21		
			32°.8N, 76°.6E		
			K A S H M I R		
			Depth about 160 km		
			Mag = 5.1(Qt)		
12	Wr	eP	19	35	17.6
	Qt	iP			26.2d

October, 1968

12	Wr	eP	23	21	02.3	
		eS			34.3	
	Ml	eP			25.3	
		iS		22	13.0	
	Lh	eP		21	44	
		eS		22	46	
	Qt	iP			09.3d	
		eS		23	18.0	
			H = 23 : 20 : 20			
			36°.5N, 70°.4E			
			Hindukush Region			
			Depth about 160 km			
12	Qt	iP	23	31	40.8c	
		eS		35	14.5	
13	Qt	eP	01	36	47.5	
	Wr	eP		37	23.4	
13	Wr	eP	10	33	19.1	
	Qt	iP			57.5c	
13	Qt	eP	18	00	04 Onset poor	
13	Wr	eP	23	59	15.3	
		eS			38.3	
	Qt	eP			46 Onset poor	
14	Ch	eP	03	08	50	
		iS		17	02	
	Lh	eP		10	29	
		iS		20	05	
	Qt	eP		10	47.0	
		eS		20	42.0	
14	Ch	eP	05	25	08	
	Wr	eP		28	55.4	
	Qt	eP		29	04.1	
14	Wr	eP	07	38	05.3	
	Qt	eP			35.3c	
14	Ch	eP	09	19	44	
	Wr	eP		20	59.8	
	Qt	eP		21	36.9d	
14	Qt	eP	17	08	23.6d	

October, 1968

14	Wr	eP	17	34	48.5	
	Qt	eP		35	16.9	
	Ch	eP		38	22	
14	Wr	eP	17	40	48.0	
	Qt	eP		41	19.5	
14	Qt	eP	19	52	06 Onset poor	
		eS		54	47.8	
15	Wr	eP	02	04	54.4	
	Qt	eP		05	08.2	
		eS		13	09.7	
15	Ch	eP	02	15	46	
		eS		20	06	
	Lh	eP		18	05	
	Ml	iP			17.0d	
		eS		24	25.4	
	Wr	eP		18	34.5	
		eS		24	54.4	
	Qt	iP		18	36.2	
15	Qt	eP	03	42	06.7d	
15	Ch	eP	17	51	49	
	Qt	eP		54	41.3d	
15	Ch	iP	2	16	04c	
		iS		21	40.5	
	Wr	eP		18	42.3	
		eS		26	28.9	
	Qt	eP		19	10.0c	
		eS		27	09.1	

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

International Seismological Centre

POST BOX NO.2, QUETTA

P A K I S T A N

No.SS-9(2)/68/ Quetta, the Nov. 1968

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

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

International Seismological Centre

Provisional Readings at Seismological Stations from 16th to 23rd October, 1968

October, 1968					
16	Qt	eP	00	43	50.9d
16	Qt	eP	04	18	25.6
16	Ch	eP	07	52	38
	Wr	eP		54	34.8
	Qt	eP		55	11.3c
16	Qt	eP	10	08	33.7
16	Qt	eP	15	31	11.2
16	Qt	eP	19	23	35.3
16	Qt	eP	19	49	26.6
17	Ch	eP	05	19	44
	Wr	eP		21	38
	Qt	eP			57.7
17	Wr	eP	07	04	06.8
	Qt	eP			34.7
17	Qt	eP	13	38	30.3c
17	Wr	eP	15	52	24.7
	Qt	eP			40.2c
17	Ch	eP	21	05	24
	Wr	eP		07	55
	Qt	eP		08	08.0
17	Qt	eP	23	52	43.7d
18	Qt	eP	10	07	08.6c
18	Qt	eP	15	28	29.1
18	Wr	eP	18	59	24.8
	Qt	eP			35.2d
18	Qt	eP	20	04	55
19	Wr	eP	00	30	11.4
	Qt	eP			27.6
19	Wr	eP	02	34	23.9
	Ml	iP			36.1d
	Lh	eP			55
	Ch	eP		38	21
19	Wr	eP	09	53	01.4
	Ml	eP			13.1
	Lh	eP			34
	Ch	eP		56	57
19	Qt	eP	15	42	03.2
	Wr	eP			23.4
19	Qt	eP	17	47	39
19	Wr	eP	18	53	55.8
		eS		55	53.4
19	Wr	eP	18	53	55.8
		eS		54	25.5
	Qt	eP			45.3d
		eS		55	53.4
19	Qt	eP	19	26	53.1c
19	Wr	eP	20	08	52.5
	ML	eP		09	07.0
	Qt	eP			56.3

October, 1968					
19	Qt	eP	21	50	26.0
20	Qt	eP	03	08	54.4
20	Lh	eP	07	16	20
		eS		22	36
	Wr	eP			33.4
	Qt	eP		17	06.2
		eS		24	07.8
20	Wr	eP	12	31	33
	Qt	eP		32	09.3
		eS		40	35.8
20	Qt	eP	23	21	47.2
	Wr	eP			55.0
21	Qt	eP	02	24	17.5d
		eS			49.1
	Lh	eP			57
		eS		25	48
21	Wr	eP	03	58	22.6
		eS			49.5
	Qt	eP		59	00.4
21	Qt	eP	05	51	56
21	Wr	eP	07	55	26.8
		eS			54.6
	Qt	eP		56	03.2
21	Qt	eP	11	25	48
21	Qt	eP	12	16	48.5
		eS		18	56.6
21	Qt	eP	14	22	46.5
21	Qt	eP	18	23	51.7
	Wr	eP		24	13.2
21	Wr	eP	19	06	20.2
	Ml	eP			42.5
	Qt	eP		07	13.5
21	Qt	eP	22	30	08.1
	Wr	eP			21.0
21	Qt	eP	23	41	22.2
22	Wr	eP	02	27	40.0
	Qt	eP		28	47.3
22	Wr	eP	08	05	42.7
	Qt	eP		5	55.5
22	Qt	eP	21	34	57.8
23	Qt	eP	02	47	02.1
23	Qt	iP	05	44	44.4d
23	Qt	eP	08	55	49.3
23	Qt	eP	13	17	41.8
23	Wr	iP	13	35	44.6c
		eS		43	38.4
	Qt	eP		35	49.5c
23	Qt	eP	18	19	58.3
23	Ch	eP	21	14	42
	Lh	eP		16	19c
		iS		25	54
	Wr	eP		16	34.9
	Qt	eP			51.8c
		eS		27	05.3

for Deputy Director,
Geophysical Institute,
Post Box No. '2' Quetta.

51.4
23 Qt eP 23 58

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

International Seismological Centre

No.SS-9(2)/68 Quetta, the December, 1968

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

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

Provisional Readings at Seismological Stations from 24th to 31st October' 68.

October, 1968					
24	Wr	eP	00	52	03
	Qt	iP			24.1c
24	Qt	eP	01	21	57.5
24	Qt	eP	01	49	00.4
24	Wr	eP	02	14	17.9
	Qt	iP			35.5c
24	Qt	eP	05	20	07.3
	Wr	eP			34.8
24	Lh	eP	14	08	21
	Wr	eP			41.8
	Qt	eP			58.4
24	Ch	eP	15	58	30
		eS	16	04	25
	Lh	eP	16	00	47c
		eS		08	27
	Wr	iP		01	08.3
	Qt	iP			28.0c
		eS		09	43.2
24	Qt	eP	17	53	55.1
	Wr	eP		54	08.4
24	Qt	eP	19	00	22.2
24	Wr	eP	21	05	08.4
	Qt	iP			28.4c
24	Wr	eP	21	54	34.9
	Qt	eP		55	10.6
24	Wr	eP	22	46	06.3
	Qt	eP			41.1c
25	Qt	eP	00	17	08.7
25	Qt	eP	00	26	43.9d
25	Qt	iP	02	13	32.6c
25	Qt	eP	07	03	14.8
25	Qt	eP	10	07	27.4
25	Ml	eP	10	36	17.5
	Wr	eP			32.8
		e(S)		42	12.2
	Qt	eP		36	35.8

October, 1968					
25	Qt	iP	11	50	18.8d
25	Qt	eP	14	09	55.5c
25	Qt	eP	16	05	22.8d
25	Qt	eP	16	10	02.6
25	Qt	eP	20	17	48.5c
25	Qt	eP	21	29	13.1d
26	Qt	eP	04	34	25.8
26	Qt	eP	08	10	27.1d
26	Qt	eP	10	08	08.5
		eS		10	26.4
26	Lh	eP	16	06	05
	Wr	eP			09.6
	Qt	eP			46.5
26	Qt	iP	19	29	19.4c
26	Qt	eP	22	02	25.6c
26	Qt	eP	23	06	23.3
26	Qt	eP	23	12	21
27	Lh	eP	13	51	33
	Wr	eP			54.9c
		eS		59	39.3
	Qt	eP		52	15.0c
27	Qt	eP	15	52	36.5
27	Qt	eP	20	10	22.4c
27	Qt	eP	20	48	53.5c
28	Wr	eP	14	50	19.7
	Qt	eP			54.5
		eS		59	10.2
28	Ch	eP	17	50	20
		eS		52	36
	Wr	eP		51	47.3
	Qt	eP		52	24.5
28	Qt	eP	20	15	37.8
28	Wr	eP	23	46	13.6
	Qt	eP			28.6c
		eS		57	01.8
29	Wr	eP	04	15	56.9
		eS		23	51.8
	Qt	iP		16	30.5d
		eS		24	56.1

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October, 1968

29	Qt	iP	06	37	18.2c
29	Qt	iP	06	55	40.8c
29	Qt	eP	07	39	04.1
29	Qt	eP	10	03	24.5
	Wr	eP			57.9
29	Qt	iP	12	53	25.8d
29	Ch	eP	17	08	12
	Lh	eP		10	26
	Wr	eP			47.2
		eS		19	00.2
	Qt	iP		11	04.5
		eS		19	29.1
29	Wr	eP	21	47	25.7d
	Qt	eP		48	24.5d
		eS		49	33.6
29	Wr	eP	22	28	01.3
	Lh	eP			12
		eS		38	00
	Qt	eP		28	29.5
		eS		38	35.7
	Ch	eP		28	32
		eS		38	39
30	Lh	eP	00	17	04
	Wr	eP			23.2
	Qt	eP			41.2
30	Wr	eP	04	08	17.8
	Ml	iP			33.0d
	Lh	eP			53
	Qt	eP		09	31.7

October, 1968

30	Qt	eP	05	55	06.4
	Wr	eP			54.6
30	Qt	iP	10	00	29.5d
30	Qt	eP	16	56	59.2d
		eS	17	01	24.0
30	Qt	eP	18	27	35.8
31	Qt	eP	00	37	57.8
31	Qt	eP	03	28	59.5
	Wr	eP		29	19.3d
31	Qt	eP	07	50	28.5
31	Ch	iP	09	14	08d
		eS		20	06
	Lh	eP		16	24
		eS		24	10
	Ml	eP		16	33.0
		iS		24	34.0
	Qt	eP		17	02.3d
		eS		25	20.2
31	Qt	eP	09	35	12.3
	Ml	eP			21.5
	Lh	eP			24
31	Qt	eP	11	52	51.2
31	Qt	iP	19	39	31.3c

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

.....

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POST BOX

P A K

No.SS-9(2)/69/ 3649

Qt-Quetta, Lh-Lahore, Ch-Chittagon

x-Unidentified Phase, c-

Provisional Readings at Seismologica

Additional
October,1968

19	Wr	eP	02	34	23.9
	Ml	iP			36.1d
	Lh	eP			55
		eS		36	05
	Qt	eP		35	33.2
		eS		37	12.1
	Ch	eP		38	21
		eS		42	23

H - 02 : 33 : 26
37°.5N 72°.8E
Tadzhik S.S.R.
Depth about 96 km.

19	Wr	eP	09	53	01.4
	Ml	eP			13.1
	Lh	eP			34
		eS		54	40
	Qt	eP			13.8
		eS		55	46.9
	Ch	eP		56	57

H - 09 : 52 : 04
37°.8N, 72°.9E
Tadzhik S.S.R.
Depth about 96 km

20	Ch	eP	07	14	12
20	Ch	eP	12	30	25
26	Wr	eP	10	08	03.7
		eS		15	47.6
28	Ch	eP	23	44	42
	Lh	eP		46	01
		eS		56	35
30	Wr	eP	04	08	17.8
	Ml	iP			33.0d
		iS		09	24.7
	Lh	eP		08	53
	Qt	eP		09	31.7
		eS		11	10.6
	Ch	eP		12	19

H - 04 : 07 : 23
37°.5N, 72°.8E
Tadzhik S.S.R.
Depth about 33 km.

International Seismological Centre

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POST BOX NO.2, QUETTA

P A K I S T A N

No.SS-9(2)/68/ Quetta, the December, 1968

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

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

Provisional Readings at Seismological Stations from 1st to 8th November, 1968

November, 1968					
1	Qt	ePg	00	34	04.5
1	Qt	ePg	01	51	17.4
1	Qt	ePg	03	23	19.5
1	Wr	ePg	05	08	58.4
		eSg		09	33.5
	Qt	ePg			54.5
1	Ch	ePg	13	26	42
		eSg		33	05
	Wr	iPg		29	15.7
		eSg		37	52.4
	Qt	iPg		29	28.1c
		eSg		38	14.0
1	Wr	ePg	20	50	12.7
	Ml	iPg			31.5c
	Qt	ePg		51	17.7d
1	Qt	ePg	22	43	47.0
1	Qt	ePg	23	25	02.6
2	Qt	ePg	09	44	04.5c
2	Qt	ePg	14	26	59.8
2	Qt	ePg	20	14	29.1d
2	Qt	ePg	20	19	53.2
2	Wr	ePg	22	42	28.8
	Qt	ePg			55.7c
2	Qt	ePg	23	15	57.7c
3	Wr	ePg	01	22	11.8
		eSg			35.6
	Qt	ePg			44.5
3	Wr	ePg	01	42	29.6d
	Ml	iPg			40.7c
	Qt	ePg		43	39.4d
3	Qt	ePg	03	24	11.8
3	Qt	ePg	04	57	03.8
	Wr	ePg			17.0
3	Qt	ePg	08	09	32.7d
	Wr	ePg		10	08.0
		eSg		19	32.0
3	Qt	ePg	08	19	50.2c

November, 1968					
3	Qt	iPg	08	29	21.5c
	Wr	ePg		30	06.1
3	Qt	ePg	18	58	47.7
4	Wr	ePg	01	54	31.8
	Qt	ePg			54.5d
4	Qt	iPg	09	07	02.2c
	Wr	ePg			56.5
	Ch	ePg		09	14
4	Ch	iPg	09	21	38d
		iSg		28	56
	Qt	iPg		25	06.6d
4	Qt	ePg	09	36	11.5
4	Qt	ePg	12	43	30.5
4	Ml	ePg	23	23	55.7
	Wr	ePg		24	22.9
	Qt	ePg		25	13
5	Ml	ePg	01	17	15.3
	Wr	ePg			43
	Qt	ePg		18	33.7
5	Wr	ePg	01	47	56.9
		eSg		48	26.9
	Qt	iPg			56.0d
5	Ml	ePg	02	03	25.8
	Wr	ePg			54.1
	Qt	ePg		04	43.5d
5	Qt	ePg	05	19	43.2d
5	Qt	ePg	15	56	26.7
6	Wr	ePg	00	52	55.0
	Qt	ePg		53	25.1
6	Wr	ePg	01	38	27.6
	Qt	ePg		39	03.1
6	Qt	ePg	06	32	16.7
6	Qt	ePg	10	31	58.4
6	Qt	ePg	10	34	08.5
6	Qt	ePg	13	47	02.5d
6	Qt	ePg	15	21	26.1
6	Qt	ePg	17	09	25.8
	Wr	ePg		10	08.6

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November, 1968

6	Wr	eP	20	15	32.4
	Ml	iP			52.8c
	Qt	eP		16	29.3
		iP			30.6d
6	Qt	eP	22	26	55.5
7	Qt	eP	01	01	06.5d
7	Qt	eP	03	51	49.5
7	Qt	eP	04	19	32.5
7	Wr	eP	09	28	36.3
	Qt	iP		29	13.3c
7	Wr	iP	10	09	43.9c
	Ml	eP			55.9
	Qt	iP		10	13.5c
	Ch	eP		11	41
7	Qt	eP	10	33	07.8
	Wr	eP			09.6
7	Qt	eP	10	58	06.8
7	Wr	iP	12	00	25.5d
	Ml	eP			48.9
	Qt	iP		01	21.5d
7	Ch	eP	14	23	24
	Wr	eP		25	56.2
	Qt	eP		26	10.5
7	Wr	eP	14	46	36.5
	Qt	eP		47	12.5
7	Qt	eP	17	36	42.1
7	Qt	eP	18	36	38.2
7	Qt	eP	22	43	50.6
7	Qt	eP	23	17	46.5c
8	Qt	eP	03	04	04.8c
8	Wr	iP	08	32	45.3d
	Ml	iP		33	10.0d
	Qt	eP			38.5
8	Wr	eP	10	08	05
	Qt	eP		09	01.6
8	Wr	eP	10	45	46
	Qt	eP		47	00.5
8	Wr	eP	12	54	28.4
	Qt	eP			41.0c
8	Qt	iP	18	45	03.5d

November, 1968

8	Qt	eP	18	47	38.4
8	Qt	eP	19	03	20.8d
8	Wr	eP	19	07	38.5
	Qt			08	36.2c
		eS		09	53.9
8	Qt	eP	19	39	17

(K.U.Siddiqi)T.I
for Director,
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P A K I S T A N

International Seismological Centre

No.SS-9(2)/68/ Quetta, the December, 1968

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

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

Provisional Reading at Seismological Stations from 16th to 23rd November, 1968

Continuation
November, 1968

16	Qt	eP	21	27	47.5
17	Qt	eP	00	34	44 Onset poor
		eX		35	35.8
	Wr	eP		34	49.3
		eS		43	16.5
	Ch	eP		35	27
17	Ch	eP	05	27	04
	Wr	eP		29	35.4
	Kr	eP			40.6
	Qt	eP			50.7
		eS		39	09
17	Qt	eP	07	53	37 Onset poor
		eS	08	03	53.2
	Kr	eP	07	53	38.8
	Wr	eP			59.0
17	Wr	eP	13	08	48.0
	Qt	eP		09	25.4
	Kr	eP			41
17	Wr	eP	13	16	21.3
	Qt	eP			37.6
17	Ml	eP	19	47	23.4
	Wr	eP			52.3
	Qt	eP		48	42.4
17	Kr	eP	23	09	37.1
	Wr	eP		10	30.6
	Qt	eP			47.0 Onset poor
18	Qt	eP	02	55	05.2
18	Wr	iP	05	05	21.6c
		eS			34.5
	Ml	eP			44.7
		eS		06	13.5
	Lh	eP		05	56
	Qt	eP		06	14.0
		eS		07	08.8
	Kr	eP			11.5

H - 05 : 05 : 04
34°.6N, 70°.7E
West Pakistan
Depth about 60 km

November, 1968

18	Wr	eP	08	53	32.1
	Qt	eP		54	06.6
18	Qt	eP	14	25	54.5
	Wr	eP		26	56.3
18	Wr	eP	21	26	57.1
	Ml	eP		27	14.1c
	Qt	eP		28	03.3
18	Wr	eP	23	19	11 Onset poor
19	Wr	eP	00	26	34.5
	Ml	eP		27	03.7
	Qt	eP			24.7
		e(S)		28	31.2
19	Qt	eP	04	05	20.3
19	Qt	eP	11	21	25.5
19	Wr	eP	14	02	01 Onset poor
	Qt	eP			47 Onset poor
19	Qt	eP	21	55	06.3
19	Qt	eP	22	54	41 Onset poor
20	Qt	eP	05	59	27.5
21	Ml	eP	03	05	46.1
	Qt	iP		06	19.7c
	Kr	eP		07	20.4d
	Ch	eP		09	31
		eS		13	53
21	Qt	eP	07	49	11.6
21	Ch	eP	14	40	41
	Qt			43	01.1d
21	Wr	eP	14	54	49.7d
		eS		55	21.2
	Ml	eP			11.6
		eS			58.8
	Qt	eP			49.7
		eS		57	09.6

H - 14 : 54 : 08
36°.5N, 70°

↑ 2

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November, 1968

21	Wr	eP	18	49	59.7
	Qt	eP		51	07.7
		eS		52	53.7
21	Qt	eP	21	01	50.2
21	Wr	eP	21	45	51.9
		eS		46	22.0
	Lh	eP			32
		eS		47	33
	Qt	eP		46	47.8
		eS		48	06.1

H = 21 : 45 : 09
36°.2N, 70°.5E
HINDUKUSH
Depth about 223 km

21	Wr	eP	23	09	11.5
		eS		10	20.8
	Qt	eP			19 Onset poor
21	Qt	eP	23	50	18.4
22	Ch	eP	09	05	28
	Lh	eP		07	45
	Wr	eP		08	07.3
	Kr	eP			32.1
	Qt	iP			33.8c
		eS		16	01.8

	Mu	Sec
MH	11.3	20

△ = 53°.4
Mag = 6.1(Qt)

22	Qt	eP	10	27	31	Onset poor
22	Wr	eP	10	41	54.2d	
	Kr	eP			57.4	
	Qt	eP		42	11.5	
22	Ch	eP	11	44	31	
	Wr	eP		47	18.2c	
	Kr	eP			35.8	
	Qt	eP			41.8c	
22	Wr	eP	14	15	23.2	
	Ml	eP			34.7	
	Qt	eP		16	30.3	

November, 1968

22	Qt	eP	16	12	06.6
22	Qt	eP	16	23	10.7
22	Qt	eP	23	30	38.9c
23	Ch	eP	00	51	50
		eS		52	31
	Qt	eP		56	27 Onsetpoor
23	Qt	eP	05	32	20.4c
23	Qt	eP	05	35	30.9
23	Qt	eP	15	23	53.4d
23	Wr	eP	16	52	03.4
		eS			46.7
	Qt	eP		53	05.7d
		eS		54	16.3
23	Wr	eP	17	59	29.7
	Qt	eP	18	00	39.2
23	Kr	eP	20	51	46.4
	Qt	eP		52	21.3

(K.U.Siddiqi)T.I,
for Director,
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23 DEC 1968

International Seismological Centre

P A K I S T ANN

No.SS-9(2)/68/2313 Quetta, the 11th December, 1968

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

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

Provisional Readings at Seismological Stations from 24th to 30th November, 1968

Continuation

November, 1968

24	Qt	eP	05	48	10.2d
24	Qt	eP	10	34	57.5d
24	Qt	eP	17	38	14.2
24	Lh	P	21	30	25
		S		37	56
	Qt	iP		31	08.2c
		eS		39	22.2

	Mu	Sec
PZ	0.3	1.0
MH	11.5	20

△ = 60°.9

Kr P 21 31 24

Mag-6.2(Qt)

25	Ch	P	18	44	11
		S		50	00
	Lh	P		46	27
		S		54	10
	Wr	P		46	49
		S		54	52
	Qt	eP		47	07.1
		eS		55	25.4

	Mu	Sec
MH	11.5	20

△ = 61°.6

Mag= 6.1(Qt)

25	Qt	eP	19	16	33.1
26	Wr	P	01	22	41
		S		33	01
	Qt	iP		22	58.9c
		eS		33	26.6
26	Qt	eP	18	39	34.2
26	Qt	eP	22	58	11.0
27	Qt	eP	01	15	19.0c
27	Lh	P	02	23	25
27	Wr	P	07	22	47
		S		23	19
27	Qt	eP	12	33	18.5
27	Qt	eP	13	08	29.7c
27	Qt	eP	22	19	55.3
27	Qt	eP	22	21	13.5
28	Qt	eP	01	20	01.4

November, 1968

28	Wr	PKP	10	55	14
	Lh	PKP			19
	Qt	ePKP			19.7
		ePP		57	36.8
	Ch	PKP		55	42
28	Qt	eP	14	03	44.8
	Ch	P		04	11
28	Qt	eP	15	06	36.4
28	Ch	P	16	41	24
		S		50	10
	Lh	P		42	58
		S		53	04
	Wr	P		43	10
	Qt	iP			26.6d
		e(S)		53	44.2
28	Qt	eP	18	04	32.2
28	Qt	eS		06	42.6
	Wr	P		05	07
28	Qt	eP	19	40	27.6
		eS		41	56.0

	Mu	Sec
PZ	0.04	0.7

△ = 7°.8

Mag= 5.2(Qt)

28	Qt	eP	20	39	13.4
29	Qt	eP	04	39	12.7
29	Qt	eP	12	57	53.2
29	Qt	eP	21	05	09.2
		eS		07	06.3
29	Qt	eP	22	28	09.6
29	Qt	eP	23	03	55.9
		eS		05	23.2
30	Qt	eP	18	23	26.4
30	Qt	eP	19	27	55.3
30	Qt	eP	21	03	04.8
30	Qt	eP	22	18	03 Onset poor

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

2 JAN 1969

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International Seismological Centre

P A K I S T A N

No.SS-9(2)/68/2937 Quetta, the 19th December, 1968

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

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

Provisional Reading at Seismological Stations from 1st to 8th December, 1968

Additional
November, 1968

24	Ml	eP	10	34	18.7	
		iS		35	07.8	
24	Ch	iP	21	29	20	c
		eS		36	03	
	Ml	eP		30	22.7	
25	Ml	eP	18	46	33.8	
26	Ln	eP	01	22	28	
26	Ch	eP	18	39	02	
27	Ch	eP	03	27	28	Onset poor
		eS			37.2	
27	Ml	eP	07	23	25	
		eS		24	28	
	Ch	eP		27	02.5	
27	Ml	eP	13	07	13.5	
		eS		08	00.0	
28	Ml	eP	16	43	03.0	
28	Ml	iP	19	39	39.5	
		iS		40	27.7	

Continuation
December, 1968

1	Qt	eP	01	13	03.3	
		iS		14	27.9	
1	Qt	ePKP	13	34	15	Onset poor
		ePP		37	11.3	
	Wr	PKP		34	20	
1	Wr	P	16	31	14	
	Qt	eP		32	03.1	d

December, 1968

2	Qt	eP	02	43	55.1	d
	Wr	P		44	30	
2	Qt	eP	10	55	57.6	
2	Qt	eP	13	49	12.9	c
2	Qt	eP	20	28	07.4	
2	Qt	eP	23	51	06.9	c
3	Qt	eP	10	47	32.0	
3	Wr	P	19	35	58	
		S		43	25	
	Qt	eP		36	00.2	
		eS		43	31.8	
3	Qt	eP	21	16	49.7	c
3	Qt	eP	22	36	03.3	c
3	Qt	eP	22	39	31.5	
3	Qt	eP	23	34	18.0	
4	Qt	iP	00	36	32.1	c
4	Qt	iP	05	16	24.8	c
4	Qt	eP	17	13	42	Onset poor
4	Qt	eP	17	33	59.8	
		eS		35	20.6	
4	Qt	eP	20	06	07.0	
4	Qt	eP	20	55	17.9	
4	Qt	eP	21	46	38.1	
		eS		50	59.4	
5	Qt	eP	00	31	35.6	
		eS		32	57.8	
5	Qt	eP	01	05	36.6	
		eS		07	06.9	
5	Qt	eP	07	58	51.9	
	Lh	P		59	38	
	Ch	P	08	01	59	
5	Qt	eP	09	08	34.8	
5	Qt	eP	09	42	44.2	
	Ch	P		43	40	
		S		44	16	

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December, 1968

5	Qt	eP	09	54	39.7
		eS	10	03	16.8
			Mu		Sec
	MH	P	14.4		20
		△ = 64°.9			
	Ih	P	09	54	53
		S	10	03	40
	Ch	P	09	56	27
		Mag-6.2(Qt)			
5	Qt	eP	13	09	04.8c
5	Qt	eP	19	23	01.8d
		iS		24	21.2
5	Qt	eP	22	26	45.0
6	Qt	eP	09	21	52.0
		eS		23	10.5
7	Ch	P	05	07	52
		S		16	08
	Ih	P		09	46
	Qt	eP		10	12.4
		iS		20	32.0
7	Qt	eP	06	02	55.6
7	Qt	eP	13	03	33.8
7	Qt	eP	14	26	44.7c
7	Wr	eP	15	52	19
	Qt	eP			51.4
7	Qt	eP	15	58	36.2c
7	Qt	eP	16	04	58.5
		eX		08	08.1
7	Qt	iP	20	55	06.2
	Wr	P			40
7	Qt	eP	22	05	11.0
8	Qt	eP	09	17	50.3

December, 1968

8	Wr	P	13	22	18
	Qt	iP			32.6c
8	Qt	eP	13	39	45.7
8	Wr	P	15	53	58
		S		55	32
	Qt	eP			01.8
8	Wr	P	18	37	27
		S			58
	Qt	eP		38	25.3
		eS		39	43.3
8	Wr	P	21	51	06
		S			43
	Qt	eP		52	12 Onset poor
		eS		53	43.6

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

International Seismological Centre

T OF PAKISTAN
OLOGICAL DEPARTMENT
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NO. 2, QUETTA

ISTAN

Quetta, the 20 February, 1969

g, Wr-Warsak, Kr-Karachi, Ml-Mangl

Compression, d-Dilatation

l Stations from 16th to 23rd January'69

November, 1968

1	Wr	eP	20	50	12.7
		iS			48.1
	Ml	iP			31.5c
		iS		51	21.0
	Qt	eP			17.7
		eS		52	45.8
		H - 20 : 49 : 24			
		37°.1N, 72°.1E			
		Tadzhik S.S.R.			
		Depth about 33 km			
1	Lh	eP	13	28	53
		eS		37	10
	Kr	eP		29	14.9
2	Lh	eP	22	42	07
3	Kr	eP	08	08	41.4
4	Kr	eP	09	06	09.3
4	Lh	eP	23	23	49
		eS		24	14
	Kr	eP		25	49.6
5	Lh	eP	01	17	08
		eS			34
	Kr	eP		19	09 onset poor
5	Lh	eP	02	03	19d
		iS			46
	Ml	eP			25.8
		eS		04	02.8
	Wr	eP		03	54.1
	Qt	eP		04	43.5
		eS		06	18.1
	Kr	eP		05	18.2
		H - 02 : 02 : 42			
		32°.1N, 76°.9E			
		himalaya range region			
		Felt Slightly at Lahore			
		Depth about 33 km			
7	Lh	eP	09	28	31
	Kr	eP		29	32.1
7	Lh	eP	10	10	09
	Kr	iP			55.7c
		eS		12	49.4

GOVERNMENT OF PAKISTAN
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P A K I S T A N

No.SS-9(2)/68/ Quetta, the December, 1968

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

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

Provisional Readings at Seismological Stations from 9th to 15th November, 1968

Continuation

November, 1968					
9	Kr	eP	02	28	43.1
	Qt	eP			49 Onset poor
9	Qt	eP	02	58	47 Onset poor
9	Kr	eP	04	42	00 Onset poor
	Qt	eP			11.1
	Wr	eP			41.6
9	Kr	eP	13	44	21.5d
		eS			51.5
	Qt	iP		45	15.1c
		iS		46	26.7
	Lh	eP			20
	Wr	eP			26.6
		eS		48	31.2
			H= 13 : 43 : 43		
			24°.4N. 65°.2E		
			Arabian Sea		
			Depth about 33 km		
9	Qt	eP	14	33	48 Onset poor
		eS		34	59.4
9	Qt	eP	14	48	14.2
9	Qt	eP	17	19	40 Onset poor
9	Qt	eP	18	32	05 Onset poor
		eS		33	20.2
9	Ch	eP	20	38	12
		eS		44	09
	Lh	eP		40	27
		eS		48	19
	Ml	eP		40	34.5
	Wr	eP			50.1
	Kr	eP			59.1
	Qt	eP		41	06.7
		iS		49	32.9

November, 1968					
9	Ml	eP	22	30	25.0
		eS		31	11.0
	Qt	iP			04.2c
		eS		32	26.4
9	Qt	eP	23	45	45.9
10	Qt	eP	08	01	18.4d
10	Qt	eP	15	24	47.7d
10	Ch	eP	17	07	47
		eS		12	30
	Wr	eP		10	22.4
	Qt	eP			52.2d
		eS		18	02.3
	Kr	eP		10	53.4
		eS		18	03
10	Lh	eP	21	32	56
	Wr	eP		33	23.8
	Qt	eP			25.3
11	Wr	eP	02	36	35.3
		eS		37	08.3
	Ml	eP		36	57.6
	Qt	iP		37	31.5c
		eS		38	49.3
			H = 02 : 35 : 51		
			36°.3N. 70°.4E		
			HINDUKUSH REGION		
			Depth about 223 km		
11	Wr	eP	09	05	58.9
	Qt	iP		06	27.1c
11	Wr	eP	09	44	28.9
	Qt	eP			41.9

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November, 1968

11	Ch	eP	14	49	45o
	Ml	eP		50	45.5
	Lh	eP			47
	Wr	eP			53.2
		eS		58	41.4
	Qt	iP		51	29.6o
		eS	15	00	08.4

	Mu	Sec
MH	4.9	20

△ = 65°.1
Mag = 5.9(Qt)

11	Qt	eP	23	41	02.4
11	Qt	eP	23	59	47.2
12	Lh	eP	00	52	39
	Ml	eP			42.1
	Wr	eP			54.9
	Qt	eP		53	29.1c
		eS	01	01	02.4
12	Qt	eP	03	44	25.1
12	Qt	eP	05	56	24.7
12	Wr	eP	09	07	08.2
	Qt	eP			45.5d
12	Wr	eP	10	02	28 Onset poor
	Qt	eP		03	05.4
12	Wr	eP	14	14	07.6
	Qt	eP			44.8
	Kr	eP		15	01.4
12	Qt	eP	16	15	54.0
		eS		18	07
13	Qt	eP	16	07	13.4d
13	Qt	eP	16	52	25.2
13	Ch	eP	18	50	11
		eS		56	58
	Ml	eP		51	12.9c
	Lh	eP			14
	Qt	iP			58.0c
		eS	19	00	08.0
14	Kr	eP	10	26	19.4
		eS			49.3
	Qt	eP		27	15.5
		e(S)		28	28.8
14	Qt	eP	11	53	44.0
14	Wr	eP	12	20	46.6
	Qt	eP		21	22.6
		e(S)		29	40

November, 1968

14	Wr	iP	17	39	12.7
		iS			44.2
	Ml	eP			37.2
		eS		40	23.5
	Qt	eP			11.6
		eS		41	27.6

H = 17 : 38 : 34
36°.2N, 70°.4E
HINDUKUSH REGION
Depth about 160 km.

14	Qt	eP	21	03	40.5d
14	Qt	eP	23	26	11 Onsetpoor
15	Wr	eP	00	19	24.3
	Qt	eP			51.5
15	Qt	iP	01	57	23.2c
15	Qt	eP	06	28	07 Onsetpoor
		eS		30	20.8
	Wr	eP		28	10 Onsetpoor
15	Wr	eP	17	38	52 Onsetpoor
15	Wr	eP	20	32	47.9

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

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International Seismological Centre

No.SS-9(2)/69/3323 Quetta, the 24 January, 1969

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

Provisional Readings at Seismological Stations from 9th to 15th December'68

Additional
December, 1968

1	Wr	iP	01	12	00.7d
	Lh				40
1	Lh	eP	13	34	29
	Ch	eP		35	11
2	Kr	eP	02	43	33.8
3	Kr	eP	19	35	41.6
4	Wr	eP	17	33	00.7
		eS			34.7
	Ml	iP			19.5d
		iS		34	07.5
	Qt	eP		33	59.8
		eS		35	20.6

H = 17 : 32 : 16
36°.4N, 71°.0E
HINDUKUSH REGION
Depth about 223 km

4	Kr	eP	21	45	47.6
	Wr	eP		47	11.4
	Ch	eP		48	24 Onset poor
5	Wr	eP	00	30	34.8
		eS		31	08.8
	Ml	eP		30	53.5
		iS		31	40.9
	Qt	eP			35.6
		eS		32	57.8

H = 00 : 29 : 50
36°.6N, 71°.0E
HINDUKUSH REGION
Depth about 223 Km

5	Wr	eP	01	04	33.7
		eS		05	10.7
	Ml	iP		04	48.0d
		iS		05	38.0
	Qt	eP			36.6
		eS		07	06.9

H = 01: 03 : 43
36°.9N, 71°.7E
HINDUKUSH REGION
Depth about 223 km

December, 1968

5	Wr	eP	07	59	11.6d
	Kr	eP			13.5
	Ml	eP			31.0
5	Wr	eP	09	54	31.0
	Kr	eP		55	11.8
5	Wr	eP	19	22	03
	Ml	iP			23.5e
5	Wr	eP	22	25	57.1
6	Wr	ei	09	20	58.5
		eS		21	33.5
	Ml	iP			20.9e
		iS		22	11.6
	Qt	eP		21	52.0
		eS		23	10.5

H = 09 : 20 : 12
36°.4N, 70°.1E
HINDUKUSH REGION
Depth about 223 km

7	Kr	eP	05	10	11.1
7	Wr	eP	15	52	18.7
	Lh	eP			22
7	Kr	eP	20	55	00.8
	Lr	eP			14
8	Kr	eP	09	17	57.9
8	Ml	eP	15	54	03.0
8	Wr	eP	18	37	26.7
		eS			57.7
	Ml	iP			47.5d
		iS		38	35.2
	Lh	eP			08
		eS		39	09
	Qt	eP		38	25.3
		eS		39	43.3

	Mn	Sec
P#	0.04	0.7

$\angle$ = 6°.9

Kr	eP	18	39	27.6

H = 18 : 36 : 45
36°.1N, 70°.7E
HINDUKUSH REGION
Depth about 223 km
Mag = 4.5(Qt)

December,1968

8	Ml	eP	21	51	22.5
		iS		52	11.0

Continuation:
December,1968

9	Qt	eP	12	22	55 onset poor
9	Qt	eP	14	12	12.3d
9	Qt	eP	20	28	52 onset poor
10	Ch	eP	04	33	50
	Qt	eP		36	32.4
10	Qt	eP	07	41	21 onset poor
10	Wr	P	23	34	14
		S			48
	Ml	eP			36.6
		iS		35	26.8
	Qt	eP			08.6
		iS		36	26.0

H - 23 : 33 : 30
36°.2N, 70°.2E
HINDUKUSH REGION
DEPTH ABOUT 223 Km.

11	Qt	eP	00	54	41.7
11	Ch	eP	11	52	55.6
	Wr	P		54	33
	Qt	iP		55	08.0c
	Kr	eP			21.8
11	Qt	eP	21	06	27 onset poor
11	Qt	eP	21	52	59.1d
11	Qt	eP	22	49	50.3
11	Qt	eP	23	28	55.8d
12	Ch	eP	05	32	22
		eS		37	47
	Kr	eP		35	17.3d
	Qt	iP			22.1d
		eS		43	18.5
	Wr	P		35	31
12	Qt	eP	07	37	48.7d
12	Qt	eP	08	53	16.0
12	Qt	eP	11	30	53 onset poor
12	Qt	eP	16	09	38 onset poor
		eS		17	06
12	Qt	eP	17	36	07.5d
		eS		40	47.8
	Wr	P		36	56
12	Qt	eP	18	57	54 onset poor

December,1968

12	Qt	eP	21	38	26.8
13	Wr	P	00	12	19
	Ml	eP			25.5
		iS		13	20.4
	Qt	eP			27 onset poor
		eS		15	13.4
13	Kr	eP	04	28	14.4
	Qt	eP			34 onset poor
13	Wr	P	06	45	33
	Ml	eP			51.4
	Qt	eP		46	36.5
		e(S)		47	58.4
13	Qt	eP	09	50	45 onset poor
13	Qt	eP	10	07	10 onset poor
13	Qt	eP	15	18	07.8
13	Qt	eP	19	39	49.6
14	Qt	eP	05	07	18.4
14	Ch	eP	10	10	06.6
	Lh	eP			27
	Qt	iP			56.8c
		eS		20	41.8

	Mu	Sec
MH	5.4	20

∠ = 77°.1

Kr eP 10 11 16.7
Mag - 6.0(Qt)

14	Qt	eP	11	50	27 onset poor
15	Ch	eP	02	25	22
		eS		34	29
	Ml	eP		25	37.5
	Wr	eP			39
	Lh	eP			42
	Qt	iP		26	11.4c
		eS		36	01.6
	Kr	eP		26	38.7c
15	Ch	eP	02	39	37
	Lh	eP			56
	Qt	iP		40	26.2c
	Kr	eP			47.9
15	Lh	eP	08	30	51
	Ml	eP		31	03.4
	Wr	P			29
	Qt	eP		32	12.6
		eS		34	55.0
15	Qt	eP	11	23	12.3
15	Qt	eP	14	12	36.1
15	Qt	eP	21	40	06.7d
	Kr	eP			15.0
15	Qt	eP	21	47	53.3

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

International Seismological Centre

GOVERNMENT OF PAKISTAN
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P A K I S T A N

Quetta, the 21st January, 1969

No.SS-9(2)/69/

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

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

Provisional Readings at Seismological Stations from 16th to 23rd December'68

Continuation
December, 1968

16

Ml	iP	00	30	30.0c
	iS		31	13.1
Lh	eP		30	49
	eS		31	47
Qt	eP			06.9
	iS		32	21.6

	Mu	Sec
PZ	0.01	0.5

$\Delta = 6^{o}.4$
H - 00 : 29 : 34
$35^{o}.6N$, $70^{o}.5E$
HINDUKUSH REGION
Depth about 160 km
Mag-4.3(Qt)

16

Wr	eP	17	09	18
	eS			42
Ml	eP			43.1
	iS		10	26.5
Qt	iP			16.9d
	iS		11	29.0

	Mu	Sec
PZ	0.01	0.5

$\Delta = 6^{o}.3$
H = 17 : 08 : 45
$35^{o}.6N$, $70^{o}.3E$
HINDUKUSH REGION
Depth about 160 km
Mag - 4.3(Qt)

16	Ch	eP	21	31	28.4
	Lh	eP		32	32
	Qt	oP		33	14.9c
16	Qt	oP	22	23	18.5

December, 1968

17

Wr	oP	06	40	26.3
	eS			58.8
Ml	iP			47.6d
	iS		41	36
Qt	iP			24.3c
	iS		42	43.2

	Mu	Sec
PZ	0.008	0.5

$\Delta = 7^{o}.0$
H = 06 : 39 : 43
$36^{o}.2N$, $70^{o}.5E$
HINDUKUSH REGION
Depth about 223 km
Mag= 4.0(Qt)

17	Wr	eP	12	14	09.3
	Ml	iP			15.0c
	Lh	eP			19
		eS		24	17
	Ch	eP		14	31.4
		eS		24	38.0
	Qt	eP		14	37.7
		eS		24	51.8

	Mu	Sec
PZ	0.2	1.5
MH	10.4	20

$\Delta = 82^{o}.8$
Kr eP 12 : 15 : 02.5
Mag - 6.1(Qt)

17	Qt	eP	13	58	01.5
		e(S)		59	44.4
17	Qt	eP	17	25	35 onset poor
17	Qt	oP	21	45	13.0c
17	Wr	eP	22	26	06.4
	Qt	eP			41.7c

December, 1968

17	Qt	eP	22	41	02 onset poor
17	Qt	eP	23	23	38.2
18	Qt	eP	05	06	47.0
18	Qt	eP	19	50	48.8
18	Qt	eP	20	21	55.9c
18	Qt	eP	21	01	54.6
19	Wr	eP	00	36	30.9
	Qt	eP			56.4
19	Wr	eP	05	18	31.0
	Ml	iP			57.4c
		iS		19	46.9
	Lh	eP			16
		iS		20	15
	Qt	iP		19	25.7d
		eS		20	30.0
	Kr	eP			29.1c
		eS		22	32.0

H - 05 : 17 : 56
35°.5N, 70°.0E
Pakistan-Afghanistan Border Region
Felt in Northern Areas
of
West Pakistan
Depth about 96 km.

19	Qt	eP	11	35	30.2c
19	Wr	eP	15	26	17.5
	Lh	eP			20
	Qt	iP			54.5c
		eS		35	48.8

	Mu	Sec
MH	11.8	20

△ = 67°.8
Mag. 6.2(Qt)

19	Qt	eP	16	48	02 onset poor
	Wr	eP			46.6
19	Qt	eP	16	59	27.0
		eX			34.8
19	Qt	eP	17	49	35.3
19	Qt	eP	22	19	05.8
20	Qt	eP	07	34	37.8c
20	Wr	eP	09	56	48.0
	Ml	eP			56.1
	Qt	eP		58	01.9

December, 1968

20	Qt	eP	17	00	35.9
20	Qt	eP	19	36	01.1
		eS		37	17.0
20	Qt	eP	20	12	40.2
20	Lh	eP	21	51	03
	Wr	eP			25.4
	Qt	eP			47.2
		eS		59	53.6
20	Wr	eP	23	38	39.6
	Ml	eP		39	00.1
		iS			47.9
	Lh	eP			20
		iS		40	21
	Qt	iP		39	38.1d
		iS		40	56.6

	Mu	Sec
PZ	0.06	0.8

△ = 7°.1

Kr	eP	23	40	40.5
	eS		42	48.7

H - 23 : 37 : 56
36°.3N, 70°.6E
HINDUKUSH REGION
Depth about 223 km.
Mag = 4.7 (Qt)

21	Qt	eP	00	43	20.9c
21	Lh	eP	13	07	49
	Wr	eP			54.9
	Qt	eP		08	31.3
		eS		17	19
21	Qt	eP	17	42	56.7d
22	Qt	eP	04	02	10.3
22	Ch	eP	09	10	22
	Lh	eP		11	41
		eS		15	53
	Ml	eP		11	43.2
	Wr	iP		12	07.6c
	Qt	iP			41.5c
		eS		17	10.0
	Kr	iP		12	49.0
22	Ch	eP	15	37	35
	Wr	eP		39	32.6
	Qt	eP			51.3c
		eS		50	21.4

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Agrmmet-3

December, 1969

December, 1968

22	Wr	eP	16	57	00.2
	Lh	eP			09
	Ch	eP			15
	Qt	eP			28.7c
22	Ch	eP	17	47	59
	Wr	eP		50	21.4
	Kr	eP			31.1
	Qt	eP			40.1c
22	Ml	eP	18	16	42.8
		iS		17	30.7
	Qt	eP			25.0d
		eS		18	46.6
22	Wr	eP	19	06	03.1
	Ml	eP			25.7
	Qt	eP		07	08.1
		eS		08	30
22	Ml	iP	23	43	23.7d
	Lh	eP			43
	Qt	eP		44	06.3
23	Wr	eP	00	28	23.5
	Ml	eP			45.8d
	Qt	eP		29	29 Onset poor
		eS		30	48.0

December, 1968

23	Ch	eP	06	00	21.9
		eS		06	21.4
	Ml	eP		02	44.7
	Wr	eP			58.0
	Kr	eP		03	07.6
	Qt	eP			16 Onset poor
		eS		11	39.6
23	Qt	eP	15	56	47.5c
23	Wr	eP	19	36	32.4
	Ml	eP			31.0
		iS		37	54.0
	Qt	eP			44 onset poor
23	Qt	eP	20	25	56.3
23	Wr	eP	22	22	25.4
	Ml	iP			48.3d
	Lh	eP		23	07
	Qt	eP			32.1c
	e(S)			24	53.5
23	Wr	eP	23	20	14.5
	Ml	eP		21	06.6
		iS			55.1
	Lh	eP			25
		eS		22	28
	Qt	iP		21	40.8d
		iS		22	58.2

	Mu	Sec
PZ	0.04	0.6

△ 6°.8

H - 23 : 20 : 02
36°.1N, 70°.4E
HINDUKUSH REGION
Depth about 223 km.
Mag-4.6(Qt)

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

International Seismological Centre

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)/69/ Quetta, the January, 1969

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

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

Provisional Readings at Seismological Stations from 24th to 31st December'68

Continuation:

December'68

24	Qt	ePg	00	43	13.6
24	Ch	eP	13	05	18
	Wr	eP		08	00.1
	Qt	eP			27.7
24	Ml	iP	15	52	44.6d
	Qt	eP		53	08.2c
24	Qt	eP	16	27	20 onset poor
25	Ch	eP	04	05	07
	Ml	eP		06	04.2
	Lh	eP		06	06
	Kr	eP			06.6
	Wr	eP			10.9
	Qt	eP			48.8
		eS		15	02.0
25	Qt	eP	07	56	50.3d
25	Qt	eP	09	00	24.3
25	Qt	eP	12	24	16.5d
	Wr	eP			37.2
	Ch	eP		27	18.8

December,1968

25	Qt	eP	19	15	45.2
25	Ml	eP	19	39	18.0
		iS		40	04.8
	Qt	iP			01.8c
		e(S)		41	22.4
25	Qt	eP	21	30	52.8
		eX		31	06.5
25	Qt	eP	23	00	12.3
26	Wr	eP	09	01	06.2
	Qt	eP		02	11.1
		eS		03	23.5
26	Qt	eP	18	31	36 onset poor
26	Ch	eP	21	13	17
		eS		19	14
	Lh	eP		15	36
	Wr	eP			57.6
	Kr	eP		16	05.5
	Qt	eP			14.0c
27	Ch	eP	14	38	42
	Wr	eP		42	47.0
	Kr	eP		43	10.4
	Qt	eP			13.9
		eS		47	24.2

Felt at Dacca

27	Qt	eP	16	47	52.6c
27	Qt	eP	18	26	25 onset poor
27	Lh	eP	22	41	35
	Wr	eP			55.9
	Qt	eP		42	10.2
		eS		50	56.4

International Seismological Centre

December, 1968

28	Wr	eP	06	38	58.0
	Qt	eP		39	16.9c
28	Qt	eP	20	50	20 onset poor
		eS		52	43.2
28	Qt	eP	21	52	29.7
28	Ch	eP	22	51	44
		eS		52	00.2
	Qt	eP		56	07.5

Felt at Sylhet

29	Wr	eP	01	30	20.3
	Qt	eP		31	25 onset poor
		eS		32	56.9
29	Qt	eP	07	05	24.7
29	Lh	eP	07	24	11
	Wr	eP			34.1
	Qt	eP			58.3o
		eS		32	22.0
29	Qt	eP	08	51	25 onset poor
29	Qt	eP	16	30	27.5
29	Qt	eP	16	48	36.2
	Wr	eP			42.0
29	Qt	eP	16	51	53.9
29	Wr	eP	17	55	34.8
	Qt	eP			38.7
29	Qt	eP	20	21	11.0c
30	Wr	eP	07	15	26.7
	Ml	iP			30.0d
	Qt	eP			54.4
30	Qt	eP	09	57	40.3c
30	Wr	eP	10	36	11.8
	Qt	eP			33.0
30	Qt	eP	14	26	25.2
		eS		28	10.0
30	Qt	eP	14	46	07 onset poor
		eS		48	14.2
30	Qt	eP	14	58	43.3
		eS	15	02	23.1
30	Wr	eP	22	19	52.0
	Qt	eP		20	24.3
31	Qt	eP	00	34	33.8c

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