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

**P A K I S T A N**

International Seismological Centre

No.SS-9(2)/63/ 2596 Quetta, the 31 St January, 1967

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

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

Provisional Readings at Seismological Stations from 9th January to 15th Jan.67.

Additional
January, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1. | Wr | eP | 07 | 24 | 35.8 |
| 2. | WR | eP | 20 | 13 | 45.6 |
| 2. | Ml | eP | 22 | 19 | 16.2 |
| 3 | Wr | eP | 01 | 14 | 34.1 |
| 4 | Wr | eP | 06 | 06 | 28.5 |
| 5 | Wr | iP | 07 | 41 | 51.1d |
| | | eS | | 42 | 20.3 |
| | Ml | eP | | | 04.8 |
| | | eS | | | 58.3 |
| | Qt | eP | | | 55.9 |
| | | eS | | 44 | 11.6 |

| | Mu | Sec |
|---|---|---|
| Pz | 0.01 | 0.9 |

H = 07 : 41 : 15
35.6°N, 72°.1E
Northern West Pakistan
Depth about 223 Km.
Mag: 4.0 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 5 | Wr | iP | 10 | 09 | 22.5c |
| | Ml | iP | | | 37.8d |
| | | iS | | 10 | 49.7 |
| | Qt | eP | | | 28.9 |
| | | eS | | 12 | 19.2 |

| | Mu | Sec |
|---|---|---|
| Pz | 0.02 | 0.6 |

H = 10 : 08 : 07
39.0°N, 72.4°E
Tadzhik, S.S.R.
Depth about 160 Km.
Mag : 4.9 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 6 | Ml | eP | 00 | 03 | 31.4 |
| | Wr | eP | | 04 | 04.2 |
| 6 | Ml | eP | 00 | 13 | 30.5 |
| | Lh | eP | | | 31.5 |
| 6 | Wr | eP | 11 | 44 | 34.0 |
| 6 | Wr | eP | 13 | 50 | 40 ± |
| 6 | Wr | eP | 22 | 17 | 01.3 |

January, 1967

| | | | | | |
|---|---|---|---|---|---|
| 7 | Wr | iP | 00 | 40 | 24.5d |
| 8 | Wr | eP | 01 | 49 | 36.5 |
| | | iS | | 50 | 11.8 |
| | Ml | eP | | 49 | 56.0 |
| | | eS | | 50 | 45.5 |
| | Qt | eP | | | 35.1 |
| | | eS | | 51 | 56.0 |

| | Mu | Sec |
|---|---|---|
| Pz | 0.01 | 0.5 |

H = 01 : 48 : 50
36.5°N, 70.8°E
H I N D U K U S H
depth about 223 km.
Mag: 4.2 (Qt)

8 Wr eP 08 42 26.3

CONTINUATION.
January, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 01 | 57 | 55.5d |
| | | eS | | 59 | 58.5 |
| | Wr | P | | 58 | 59 |
| | | S | 02 | 02 | 06 |

| | Mu | Sec |
|---|---|---|
| Pz | 0.06 | 1.0 |

△ = 11.0
Mag : 5.8 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 06 | 55 | 37.3 |
| 9 | Qt | eP | 09 | 48 | 26.9c |
| 9 | Qt | eP | 14 | 25 | 27.4 |
| | | eS | | 26 | 54.5 |
| 9 | Qt | eP | 15 | 23 | 31.4d |
| 9 | Qt | eP | 16 | 52 | 48.4 |
| 9 | Qt | eP | 18 | 27 | 34.3d |
| 10 | Qt | eP | 12 | 11 | 05.1 |
| 10 | Qt | iP | 12 | 20 | 41.3d |
| 10 | Qt | eP | 20 | 31 | 34.8 |
| 10 | Qt | eP | 22 | 58 | 08.7 |
| | | eS | | 59 | 23.5 |
| 11 | Qt | eP | 01 | 44 | 14.8c |
| 11 | Qt | eP | 06 | 03 | 57.6d |

| | | | | | |
|---|---|---|---|---|---|
| 11 | Qt | eP | 06 | 50 | 42.9 |
| 11 | Qt | eP | 09 | 43 | 44.9 |
| 11 | Qt | eP | 11 | 25 | 00.2c |
| | | iS | | 28 | 26.4 |
| | Ch | P | | | 37 |
| 11 | Qt | eP | 14 | 05 | 00.6 |
| | | eX | | | 08.2 |
| 11 | Qt | eP | 16 | 27 | 28.2 |
| 12 | Qt | iP | 03 | 57 | 24.8d |
| 12 | Qt | eP | 10 | 06 | 18 |
| | | Onset Poor | | | |
| 12 | Qt | iP | [illegible] | [illegible] | 00.4d |
| | | eS | | 19 | 01.1 |

| | Mu | Sec |
|---|---|---|
| PZ | : 0.03 | 0.6 |

△ =10°.8

Mag: 5.7(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 12 | Qt | eP | 22 | 30 | 19.2 |
| 13 | Qt | iP | 04 | 35 | 39.2d |
| 13 | Qt | eP | 14 | 01 | 49.6 |
| | | eS | | 12 | 21.8 |
| 13 | Qt | eP | 16 | 39 | 40.4 |
| 13 | Qt | eP | 17 | 24 | 45.4 |
| 14 | Wr | P | 11 | 00 | 43 |
| | | S | | 01 | 59 |
| | Qt | eP | | | 40.8 |
| | | eS | | 03 | 27.9 |
| 14 | Wr | P | 12 | 16 | 09 |
| | Qt | iP | | | 41.7c |
| | | e(S) | | 27 | 15.9 |
| 14 | Wr | P | 12 | 49 | 55 |
| | Qt | iP | | | 55.8c |
| 14 | Wr | P | 13 | 33 | 37 |
| | Qt | eP | | 34 | 01.1 |
| 14 | Qt | eP | 14 | 18 | 42.6 |
| | | iS | | 28 | 42.0 |
| | Wr | P | | 19 | 11 |
| 14 | Wr | P | 15 | 32 | 20 |
| | Qt | iP | | 33 | 28.4d |
| 14 | Qt | eP | 21 | 01 | 28.2 |
| 14 | Qt | eP | 23 | 19 | 35.2 |
| 15 | Qt | eP | 00 | 06 | 27.2 |
| 15 | Qt | eP | 01 | 36 | 42.7c |
| 15 | Qt | iP | 05 | 53 | 36.7d |
| 15 | Qt | iP | 07 | 12 | 45.2d |
| | | eS | | 14 | 05.7 |
| 15 | Qt | eP | 11 | 12 | 45.7 |
| 15 | Qt | eP | 12 | 48 | 09.7 |
| 15 | Qt | eP | 13 | 01 | 05.1 |
| 15 | Ml | P | 13 | 11 | 38 |
| | | S | | 12 | 24 |
| | Qt | eP | | | 18.7 |
| | | eS | | 13 | 38.6 |

January, 1967

| | | | | | |
|---|---|---|---|---|---|
| 15 | Qt | iP | 20 | 06 | 19.7c |
| 15 | Wr | P | 22 | 19 | 18 |
| | | S | | 20 | 09 |
| | Ml | P | | 19 | 25 |
| | | S | | 20 | 18 |
| | Qt | eP | | | 26.8 |
| | | eS | | 22 | 13.8 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.02 | 0.7 |

$-8^{\circ}.5$

H - 22 : 18 : 10

30.0N, 74.9E

Tadzhik SSR

Depth about 220 Km.

Magt 4.8 (Qt)

International Seismological Centre

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

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

**P A K I S T A N**

No.SS-9(2)/61/1454 Quetta, the 13th February, 1967

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

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

**Provisional Readings at Seismological Stations from 16th to 23rd January, 1967.**

**Additional**

**January, 1967**

| | | | | | |
|---|---|---|---|---|---|
| 9 | Ml | eP | 01 | 51 | 20.0 |
| 9 | Wr | eP | 14 | 24 | 21.2 |
| | | iS | | | 55.4 |
| 11 | Ch | eP | 06 | 01 | 01 |
| | Lh | eP | | 03 | 21 |
| | Wr | eP | | | 44.4 |
| 11 | Wr | eP | 11 | 25 | 30.1 |
| | Ml | eP | | | 54.0 |
| | Lh | eP | | 26 | 01 |
| | | eS | | 30 | 18 |
| 11 | Ch | eP | 14 | 02 | 20 |
| | Wr | eP | | 05 | 00.0 |
| 12 | Wr | eP | 13 | 18 | 03.8 |
| 13 | Wr | eP | 14 | 01 | 32.2 |
| | Ch | eP | | 05 | 19 |
| 14 | Ml | eP | 11 | 01 | 02.0 |
| 14 | Ml | eP | 15 | 32 | 20.3 |
| 15 | Wr | eP | 00 | 07 | 22.4 |
| 15 | Wr | eP | 01 | 35 | 48+ |
| 15 | Wr | eP | 07 | 11 | 42.5 |
| | | eS | | 12 | 14.8 |
| 15 | Wr | eP | 13 | 11 | 19.8 |
| | | eS | | | 52.9 |
| | Ml | eP | | | 38.9 |
| | | eS | | 12 | 24.4 |
| | Qt | eP | | | 18.7 |
| | | eS | | 13 | 38.6 |

| | Km | Sec |
|---|---|---|
| P | 0.01 | 0.5 |

$\Delta$ = 7°.1
H = 13 : 10 : 36
36°.2N, 71°.0E
HINDU KUSH
Depth about 220 Km.
Mag: 4.3 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 15 | Lh | eP | 22 | 19 | 44 |

**Continuation**

**January, 1967.**

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 07 | 30 | 19.1d |
| 16 | Qt | eP | 07 | 33 | 36.2d |

**January, 1967**

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 08 | 40 | 06.9 |
| 16 | Qt | eP | 12 | 10 | 13.2 |
| 16 | Qt | eP | 14 | 41 | 00.3 |
| 16 | Qt | eP | 14 | 49 | 03.2 |
| 17 | Wr | P | 01 | 25 | 32 |
| | Ch | P | | | 46 |
| | Qt | iP | | | 58.7d |
| 17 | Qt | eP | 04 | 53 | 48.2d |
| | | eS | | 55 | 29.7 |
| 17 | Qt | eP | 07 | 59 | 06 |
| | | | Onset Poor | | |
| 17 | Qt | eP | 10 | 44 | 04.9d |
| 17 | Ch | P | 12 | 07 | 51 |
| | | S | | 14 | 31 |
| | Lh | P | | 09 | 00 |
| | | S | | 16 | 39 |
| | Wr | P | | 09 | 06 |
| | Qt | iP | | | 43.0c |
| | | eS | | 17 | 56.3 |
| 17 | Qt | eP | 17 | 25 | 19.3d |
| 17 | Qt | eP | 18 | 34 | 42.3 |
| 17 | Qt | eP | 19 | 20 | 26.3d |
| 17 | Qt | eP | 21 | 20 | 25.8d |
| 17 | Qt | iP | 22 | 07 | 52.1d |
| 18 | Qt | eP | 01 | 03 | 48 |
| | | | Onset Poor | | |
| 18 | Qt | eP | 01 | 23 | 45 |
| | | | Onset Poor | | |
| 18 | Qt | eP | 04 | 31 | 41.3d |
| 18 | Ch | P | 05 | 42 | 17 |
| | Qt | eP | | | 54.8d |
| 18 | Qt | eP | 06 | 32 | 08.4 |
| 18 | Ch | P | 08 | 30 | 22 |
| | | S | | 40 | 12 |
| | Qt | iP | | 30 | 52.8c |
| | | eS | | 41 | 17.6 |

January,1967

| | | | | | |
|---|---|---|---|---|---|
| 18 | Qt | eP | 08 | 39 | 07.7 |
| 18 | Qt | eP | 10 | 41 | 39.0 |
| | | e(S) | | 43 | 00.1 |
| 18 | Qt | iP | 10 | 54 | 56.1d |
| 18 | Qt | eP | 13 | 04 | 03.3d |
| 18 | Qt | iP | 14 | 05 | 18.7d |
| 18 | Qt | eP | 14 | 48 | 21.3 |
| 18 | Qt | eP | 15 | 25 | 51.6 |
| 18 | Qt | eP | 15 | 38 | 32.3 |
| 18 | Ml | P | 17 | 13 | 49 |
| | | S | | 14 | 36 |
| | Qt | eP | | | 27.7 |
| | | eS | | 15 | 45.5 |
| 18 | Qt | eP | 21 | 55 | 56.6d |
| 19 | Qt | eP | 01 | 09 | 57.8d |
| 19 | Qt | eP | 08 | 21 | 38.8d |
| 19 | Qt | eP | 10 | 13 | 39.0 |
| 19 | Wr | P | 12 | 52 | 03 |
| | Qt | eP | | | 18.7 |
| 19 | Qt | eP | 14 | 49 | 47.4c |
| 19 | Qt | eP | 14 | 56 | 02.9d |
| 19 | Qt | eP | 17 | 14 | 35.3d |
| 19 | Qt | eP | 17 | 36 | 55.1d |
| 19 | Qt | eP | 17 | 38 | 52.6 |
| 19 | Qt | eP | 17 | 41 | 29.2 |
| 20 | Qt | eP | 00 | 32 | 02.2 |
| 20 | Wr | P | 02 | 03 | 05 |
| | Lh | P | | | 06 |
| | | S | | 07 | 03 |
| | Ch | P | | 03 | 06 |
| | | S | | 07 | 48 |
| | Qt | eP | | 03 | 54.2d |
| | | iS | | 09 | 12.5 |
| 20 | Wr | P | 03 | 32 | 58 |
| | Qt | eP | | 33 | 45.3d |
| 20 | Qt | eP | 04 | 25 | 40.3 |
| 20 | Wr | P | 05 | 09 | 55 |
| | | S | | 10 | 25 |
| | Qt | eP | | | 10.2 |
| | | eS | | | 52.7 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.01 | 1.0 |

△ = 3°.7
Mag = 3.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 20 | Wr | P | 05 | 17 | 17 |
| | | S | | | 49 |
| | Qt | eP | | | 31.2 |
| | | eS | | 18 | 08.5 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.04 | 1.0 |

△ = 3.2
Mag = 4.3(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 20 | Wr | P | 06 | 29 | 00 |
| | Qt | eP | | | 47.4 |

January,1967

| | | | | | |
|---|---|---|---|---|---|
| 20 | Qt | eP | 07 | 18 | 01.1 |
| 20 | Qt | eP | 09 | 30 | 55.4c |
| 20 | Qt | eP | 10 | 23 | 44.9 |
| | | eS | | 25 | 14.7 |
| 20 | Qt | eP | 16 | 23 | 03.0 |
| 20 | Wr | P | 16 | 43 | 24 |
| | | S | | | 54 |
| | Qt | eP | | | 39.4 |
| | | eS | | 44 | 21.5 |
| 20 | Qt | eP | 17 | 54 | 58.5 |
| | | eS | | 56 | 19.5 |
| 20 | Qt | eP | 20 | 13 | 07.6 |
| 20 | Qt | eP | 22 | 43 | 58.9 |
| | | eS | | 45 | 26.8 |
| 21 | Wr | P | 00 | 47 | 17 |
| | Qt | eP | | | 58.5 |
| 21 | Qt | iP | 03 | 14 | 05.2d |
| 21 | Qt | eP | 04 | 36 | 59.1 |
| 21 | Qt | iP | 09 | 11 | 43.6d |
| 21 | Qt | iP | 15 | 36 | 07.6d |
| 21 | Qt | eP | 19 | 25 | 43.3 |
| 21 | Qt | iP | 23 | 22 | 04.7d |
| 22 | Qt | eP | 00 | 27 | 06.4 |
| 22 | Qt | eP | 09 | 15 | 52.2 |
| 22 | Qt | iP | 09 | 33 | 15.8c |
| 22 | Qt | eP | 10 | 42 | 34.9 |
| 22 | Wr | P | 12 | 07 | 33 |
| | Qt | eP | | 08 | 22.3 |
| 22 | Qt | eP | 12 | 16 | 24.6 |
| 22 | Qt | iP | 13 | 55 | 09.2d |
| 22 | Qt | eP | 14 | 34 | 18.6 |
| 22 | Qt | iP | 15 | 44 | 55.6c |
| | | eS | | 46 | 12.7 |
| 22 | Wr | P | 16 | 12 | 39 |
| | | S | | 13 | 22 |
| | Qt | eP | | | 44.5 |
| | | iS | | 15 | 08.7 |
| 22 | Qt | iP | 19 | 08 | 51.5d |
| | | eS | | 09 | 59.7 |
| 22 | Qt | eP | 21 | 53 | 31.1 |

January,1967

| | | | | | |
|---|---|---|---|---|---|
| 22 | Qt | eP | 23 | 17 | 05.2 |
| 23 | Qt | eP | 05 | 39 | 55.2c |
| 23 | Wr | P | 05 | 40 | 35 |
| | | S | | 41 | 38 |
| | Qt | eP | | | 37.3 |
| | | eS | | 43 | 25.8 |
| 23 | Wr | P | 09 | 29 | 14 |
| | Qt | eP | | | 31.4 |

International Seismological Centre

(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**

International Seismological Centre

No.SS-9(2)/63/ 2712 Quetta, the 14th February, 1967.

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

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

Provisional Readings at Seismological Stations from 24th to 31st January, 1967.

Additional

January 1967.

| | | | | | |
|---|---|---|---|---|---|
| 17 | Ml | iP | 01 | 26. | 18.7c |
| | Lh | eP | | | 20.0d |
| 17 | Ml | eP | 12 | 08 | 58.0c |
| 17 | Wr | eP | 22 | 07 | 49.0d |
| 18 | Lh | eP | 08 | 30 | 30 |
| 20 | Ml | eP | 02 | 03 | 01.5 |
| 20 | Wr | eP | 10 | 22 | 40.8 |
| | | eS | | 23 | 18.4 |
| 20 | Wr | eP | 16 | 43 | 24.1c |
| | | eS | | | 54.3 |
| | Qt | eP | | | 39.4 |
| | | eS | | 44 | 21.5 |
| | Ml | eP | | 43 | 52.2 |
| | | eS | | 44 | 37.4 |

H = 16 : 42 : 44
33°.6N, 68°.4E
Eastern Afghanistan
Depth about 96 km.

| | | | | | |
|---|---|---|---|---|---|
| 20 | Wr | eP | 17 | 54 | 01.0 |
| | Ml | eP | | | 18.6 |
| | | eS | | 55 | 09.8 |
| | Qt | eP | | 54 | 58.5 |
| | | eS | | 56 | 19.5 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.01 | 0.5 |

△ = 7°.2
H = 17 : 53 : 12
36°.5N, 71°.3E
HINDUKUSH.
Depth about 280 km.
Mag : 4.0 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 20 | Wr | eP | 22 | 42 | 53.1 |
| | | eS | | 43 | 32.5 |
| | Ml | iP | | | 11.1c |
| | | iS | | | 59.2 |
| | Qt | eP | | | 58.9 |
| | | eS | | 45 | 26.8 |

H = 22 : 42 : 05
35°.8N, 71°.8E
HINDUKUSH
Depth about 220 km.

| | | | | | |
|---|---|---|---|---|---|
| 22 | Ml | eP | 12 | 07 | 17.8 |
| 22 | Wr | iP | 16 | 12 | 38.8d |
| | | iS | | 13 | 12.2 |
| | Ml | eP | | 12 | 58.5 |
| | | eS | | 13 | 45.9 |
| | Qt | eP | | | 44.5 |
| | | eS | | 15 | 08.7 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.015 | 0.6 |

△ 7°.3
H = 16 : 11 : 56
35°.4 N, 71°.5 E
HINDUKUSH
Depth about 200 km
Mag: 4.3 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 23 | Wr | eP | 09 | 29 | 15.7 |

Continuation:
January, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Ch | P | 03 | 13 | 59 |
| | | S | | 20 | 36 |
| | Wr | P | | 15 | 03 |
| | Qt | iP | | | 40.8c |
| | | eS | | 23 | 52.2 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.1 | 0.8 |
| MH | : 3.3 | 20 |

△ : 60°4
Mag : 5.9(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | iP | 04 | 28 | 50.3c |
| | | eS | | 30 | 19.1 |
| 24 | Qt | eP | 04 | 56 | 43.3 |
| | | e(S) | | 58 | 25.2 |
| 24 | Qt | eP | 04 | 59 | 32.6 |
| 24 | Qt | eP | 09 | 42 | 04.0c |
| | Lh | P | | | 42 |

.....2

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 14 | 51 | 41.3 |
| | | eS | | 56 | 40.4 |
| 24 | Qt | eP | 15 | 32 | 55.4 |
| 24 | Qt | eP | 16 | 47 | 30.5c |
| | | eS | | 49 | 00.2 |
| 24 | Qt | eP | 18 | 31 | 09.8c |
| | | eS | | 32 | 28.2 |
| 24 | Qt | eP | 23 | 12 | 20.8 |
| 25 | Qt | eP | 00 | 50 | 30.1 |
| | | eS | | 52 | 34.5 |
| 25 | Wr | P | 01 | 51 | 09 |
| | Ml | P | | | 35 |
| | Lh | P | | | 43 |
| | Qt | iP | | 52 | 07.6d |
| | | iS | | 53 | 27.5 |
| | Ch | P | | 55 | 00 |
| | | S | | 58 | 47 |

H : 01 : 50 : 28
36°.0N, 71°.3E
HINDUKUSH
Felt : Peshawar
Depth about 250 Km

| | | | | | |
|---|---|---|---|---|---|
| 25 | Qt | eP | 09 | 34 | 42.6 |
| | | eS | | 36 | 01.5 |
| 25 | Qt | eP | 13 | 20 | 44.5 |
| 25 | Qt | eP | 21 | 22 | 17.4 |
| 26 | Qt | iP | 04 | 10 | 18.1c |
| 26 | Wr | P | 05 | 26 | 13 |
| | | S | | | 51 |
| | Qt | eP | | 27 | 20.2 |
| | | eS | | 28 | 50.1 |
| 26 | Qt | eP | 06 | 23 | 39.1 |
| 26 | Qt | eP | 10 | 13 | 45.6 |
| 26 | Qt | iP | 11 | 03 | 17.9d |
| | Wr | P | | 04 | 03 |
| 26 | Wr | P | 16 | 29 | 37 |
| | | X | | 33 | 00 |
| | Qt | eP | | 29 | 41.8d |
| | | eX | | 33 | 06.3 |
| 26 | Qt | eP | 19 | 19 | 56.9 |
| 26 | Qt | eP | 20 | 37 | 25.7 |
| 26 | Qt | eP | 21 | 52 | 02.8 |
| 27 | Qt | eP | 02 | 12 | 40.8 |
| 27 | Qt | eP | 02 | 28 | 38.1 |
| 27 | Qt | eP | 05 | 22 | 56.4d |
| | | eS | | 24 | 07.8 |
| 27 | Qt | eP | 08 | 57 | 06.2 |
| 27 | Qt | eP | 11 | 39 | 18.6 |
| | | eS | | 40 | 37.7 |
| 27 | Qt | eP | 11 | 58 | 21.2 |
| 27 | Qt | eP | 12 | 59 | 28.1 |
| 27 | Qt | eP | 19 | 06 | 02.6c |
| 28 | Qt | eP | 01 | 49 | 03.3d |
| | | eS | | 56 | 02.2 |



| | | | | | |
|---|---|---|---|---|---|
| 28 | Ch | P | 14 | 04 | 52 |
| | | S | | 14 | 41 |
| | Wr | P | | 04 | 56 |
| | Lh | P | | 05 | 02 |
| | | S | | 15 | 01 |
| | Qt | iP | | 05 | 26.1c |
| | | iS | | 15 | 50.9 |
| 28 | Qt | iP | 14 | 18 | 26.2c |
| 28 | Qt | iP | 14 | 35 | 55.3c |
| 28 | Qt | iP | 14 | 42 | 54.1c |
| 28 | Qt | eP | 14 | 53 | 51.4c |
| 28 | Qt | iP | 15 | 02 | 03.6c |
| 28 | Qt | eP | 15 | 31 | 31.3d |
| 28 | Qt | eP | 15 | 41 | 19.3 |
| 28 | Qt | iP | 15 | 46 | 48.8c |
| 28 | Qt | eP | 15 | 50 | 49.4d |
| 28 | Qt | eP | 15 | 57 | 53.3c |
| 28 | Qt | eP | 16 | 12 | 37.8c |
| 28 | Qt | eP | 16 | 34 | 06.9c |
| 28 | Ch | P | 16 | 43 | 17 |
| | Wr | P | | | 22 |
| | | S | | 53 | 36 |
| | Qt | iP | | 43 | 51.4c |
| | | eS | | 54 | 14.1 |
| 28 | Qt | iP | 17 | 11 | 46.9c |
| 28 | Qt | eP | 17 | 25 | 31.2 |
| 28 | Ch | P | 17 | 31 | 28 |
| | Qt | iP | | 32 | 02.4c |
| 28 | Qt | eP | 17 | 39 | 02.5d |
| 28 | Qt | eP | 17 | 41 | 59.3 |
| 28 | Qt | eP | 17 | 45 | 06.0 |
| 28 | Ch | P | 17 | 53 | 56 |
| | | S | 18 | 03 | 45 |
| | Wr | P | 17 | 54 | 00 |
| | Qt | iP | | | 29.2 |
| | | eS | 18 | 04 | 53.3 |
| 28 | Qt | eP | 18 | 51 | 14.3 |
| 28 | Qt | eP | 19 | 05 | 59.6d |
| 28 | Qt | eP | 19 | 36 | 06.2c |
| 28 | Qt | eP | 20 | 07 | 02.5c |
| 28 | Qt | iP | 21 | 01 | 02.2c |
| 28 | Qt | eP | 21 | 15 | 23.9c |
| 28 | Qt | eP | 22 | 38 | 45.8d |
| 29 | Qt | eP | 00 | 09 | 03.5c |
| 29 | Qt | eP | 00 | 40 | 05.3c |
| 29 | Qt | eP | 01 | 00 | 25.4d |
| 29 | Qt | eP | 02 | 20 | 08.4d |
| 29 | Qt | eP | 03 | 12 | 33.6 |
| | | eS | | 14 | 11.3 |
| 29 | Qt | eP | 03 | 56 | 34.9d |
| | | eS | | 58 | 33.8 |
| 29 | Qt | eP | 04 | 39 | 44.7 |
| 29 | Qt | eP | 04 | 45 | 27.2d |
| 29 | Qt | eP | 05 | 55 | 49.0c |
| 29 | Qt | eP | 06 | 21 | 50.1 |
| 29 | Qt | eP | 06 | 46 | 36.3 |
| | | eS | | 48 | 32.8 |
| 29 | Qt | eP | 07 | 00 | 32.7 |
| 29 | Qt | eP | 07 | 08 | 34.2 |



| | | | | | |
|---|---|---|---|---|---|
| 29 | Qt | eP | 07 | 14 | 40.2 |
| 29 | Qt | iP | 07 | 53 | 25.9c |
| 29 | Qt | eP | 07 | 59 | 14.5d |
| | Wr | P | 08 | 00 | 26 |
| 29 | Qt | eP | 08 | 19 | 15.2 |
| | | eS | | 21 | 12.1 |
| 29 | Qt | eP | 08 | 29 | 28.6 |
| 29 | Qt | eP | 08 | 41 | 15.1 |
| 29 | Qt | eP | 09 | 36 | 08.7c |
| 29 | Qt | eP | 09 | 40 | 54.4c |
| | | eS | | 42 | 49.8 |
| 29 | Qt | eP | 11 | 03 | 27.1d |
| 29 | Qt | eP | 11 | 09 | 55.1 |
| | | eS | | 11 | 53.4 |
| 29 | Qt | eP | 12 | 22 | 17.8 |
| 29 | Qt | eP | 13 | 23 | 06.2 |
| | | eS | | 25 | 03.0 |
| 29 | Qt | eP | 15 | 50 | 50.3 |
| 29 | Qt | eP | 16 | 05 | 16.9 |
| 29 | Qt | eP | 18 | 35 | 37.4d |
| 29 | Qt | eP | 19 | 22 | 04.3 |
| 29 | Qt | eP | 20 | 39 | 45.4 |
| 29 | Wr | P | 21 | 14 | 55 |
| | | S | | 16 | 14 |
| | Qt | eP | | 15 | 57.9 |
| | | eS | | 17 | 51.8 |
| 29 | Qt | eP | 22 | 52 | 38.3 |
| 29 | Qt | eP | 23 | 02 | 05.1 |
| 30 | Qt | eP | 01 | 18 | 32.2 |
| 30 | Qt | eP | 01 | 25 | 15.7 |
| | | iS | | 29 | 20.2 |

PZ : Mu 0.06 Sec 0.8
Wr P △=23°.0
Wr P 25 29
S 29 46
H : 01 : 20 : 13
Eastern Turkey ?05?
Mag: 5.3(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 30 | Qt | eP | 01 | 48 | 31.7 |
| 30 | Qt | eP | 03 | 14 | 54.4d |
| 30 | Qt | eP | 06 | 07 | 04.1 |
| 30 | Qt | eP | 07 | 14 | 15.1 |
| | | epP | | | 24.4 |
| | | eS | | 17 | 57.5 |
| 30 | Qt | eP | 08 | 13 | 23.1 |
| 30 | Qt | eP | 08 | 26 | 22.4 |
| 30 | Wr | P | 10 | 15 | 02 |
| | | S | | | 40 |
| | Qt | eP | | | 26.4d |
| | | eS | | 16 | 17.3 |
| 30 | Qt | eP | 12 | 30 | 03.2 |
| | Wr | P | | | 19 |
| 30 | Qt | iP | 13 | 19 | 20.2c |
| | | iS | | 20 | 12.2 |

International Seismological Centre

International Seismological Centre

January, 1967

| | | | | | |
|---|---|---|---|---|---|
| 30 | Qt | eP | 14 | 29 | 36.7 |
| 30 | Qt | eP | 17 | 50 | 18.2 |
| 30 | Qt | eP | 18 | 45 | 11.6 |
| | | Onset Poor | | | |
| 30 | Qt | eP | 20 | 20 | 28.9 |
| 30 | Lh | P | 21 | 10 | 00 |
| | | S | | 13 | 55 |
| | Wr | P | | 10 | 30 |
| | | S | | 14 | 33 |
| | Qt | iP | | 11 | 02.1c |
| | | eS | | 15 | 28.1 |

| | Mu | Sec |
|---|---|---|
| PZ | : 6.1 | 1.0 |
| △ | : 26.1 | |

H : 21 : 05 : 28
25°.0N, 96.2 E
BURMA
Mag : 5.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 31 | Qt | eP | 02 | 25 | 55.5 |
| 31 | Wr | P | 03 | 41 | 20 |
| | Qt | eP | | 42 | 14.3 |
| 31 | Qt | eP | 06 | 37 | 21.3d |
| | | eS | | 39 | 18.2 |

January, 1967

| | | | | | |
|---|---|---|---|---|---|
| 31 | Qt | eP | 10 | 08 | 22.2d |
| 31 | Qt | iP | 13 | 33 | 17.2c |
| 31 | Wr | PKP | 13 | 56 | 45 |
| | Qt | ePKP | | | 55.8 |
| | | ePP | | 59 | 36.7 |
| 31 | Qt | eP | 16 | 21 | 03.1 |
| 31 | Qt | iP | 17 | 54 | 15.1c |
| 31 | Qt | eP | 19 | 03 | 00.7d |
| | | iS | | 04 | 58.6 |

| | Mu | Sec |
|---|---|---|
| PZ | : 0.07 | 0.8 |
| △ | : 10°.5 | |

| | | | | |
|---|---|---|---|---|
| Wr | P | 19 | 04 | 09 |
| Lh | P | | | 28 |

H : 19 : 00 : 30
26.1N, 55.7E
Persian Gulf
Mag: 5.9 (Qt)

LASA.

| | | | | | |
|---|---|---|---|---|---|
| 31 | Qt | eP | 20 | 04 | 00.3d |
| 31 | Qt | eP | 20 | 09 | 13.5 |
| 31 | Qt | eP | 20 | 55 | 23.9c |
| 31 | Qt | eP | 21 | 06 | 58.3d |
| 31 | Qt | iP | 23 | 11 | 49.8d |
| | | eS | | 13 | 15.1 |

(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**

International Seismological Centre

No.SS-9(2)/63/ 2343 Quetta, the 21st February, 1967.

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

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

Provisional Readings at Seismological Stations from 1st Feb. to 8th February, 1967.

Additional

January, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | eP | 04 | 55 | 36 |
| 24 | Wr | eP | 04 | 58 | 37 |
| 24 | Wr | eP | 14 | 51 | 06.8 |
| 25 | Wr | eP | 09 | 33 | 43.7 |
| | | eS | | 34 | 16.3 |
| 26 | Kr | eP | 11 | 03 | 56.8 |
| 27 | Wr | eP | 05 | 22 | 03.6 |
| | | eS | | | 36.8 |
| 28 | Kr | eP | 14 | 05 | 50.0 |
| 28 | Lh | eP | 16 | 43 | 28 |
| 28 | Wr | eP | 17 | 31 | 32.6 |
| 28 | Lh | eP | 17 | 54 | 05 |
| | Kr | eP | | | 55.5 |
| 29 | Kr | eP | 07 | 52 | 39.0 |
| 29 | Kr | eP | 07 | 59 | 20.0 |
| | Lh | eP | 08 | 00 | 48 |
| 30 | Lh | eP | 01 | 26 | 04 |
| 30 | Wr | eP | 07 | 13 | 43.8 |
| 30 | Kr | eP | 12 | 30 | 38.7 |
| 30 | Kr | eP | 21 | 11 | 08.0 |
| 31 | Wr | eP | 17 | 53 | 37.9 |
| 31 | Kr | eP | 19 | 05 | 22.5 |
| 31 | Wr | eP | 20 | 53 | 35 ± |

Continuation:

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | iP | 01 | 09 | 55.9d |
| | | eS | | 11 | 51.2 |

| | Mu | Sec |
|---|---|---|
| PZ : | 0.13 | 0.8 |

△ = 10°.3

| | | |
|---|---|---|
| Wr | P | 02 |
| Lh | P | 22 |

H = 01 : 07 : 27
26.7N, 55.5E
Southern Iran
Mag : 6.1 (Qt)

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 02 | 23 | 37.7d |
| | | eS | | 25 | 34.1 |
| 1 | Qt | eP | 04 | 11 | 31 |
| | | eS | | 13 | 46 |
| 1 | Qt | iP | 07 | 15 | 27c |
| 1 | Qt | iP | 09 | 07 | 14 |
| 1 | Qt | eP | 09 | 29 | 26 |
| 1 | Qt | eP | 10 | 24 | 36 |
| 1 | Lh | P | 13 | 04 | 46 |
| | | S | | | 50 |
| | Wr | P | | 05 | 34 |
| | Qt | eS | | 07 | 25 |

H = 13 : 04 : 39,
31.6N, 74.4E
About 10 Miles West of Lahore
Felt slightly Lahore

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 13 | 38 | 27 |
| 1 | Qt | eP | 14 | 23 | 45 |
| 1 | Qt | eP | 15 | 13 | 58 |
| 1 | Wr | P | 15 | 28 | 41 |
| | Qt | eP | | | 46 |
| 1 | Qt | eP | 16 | 04 | 05d |
| 1 | Qt | eP | 19 | 10 | 18 |
| 1 | Qt | eP | 19 | 20 | 00.2d |
| 1 | Qt | eP | 19 | 49 | 14 |
| 1 | Qt | eP | 23 | 51 | 38 |
| 2 | Qt | eP | 00 | 05 | 12 |
| 2 | Wr | P | 01 | 20 | 43 |
| | | S | | 22 | 03 |
| | Qt | eP | | 21 | 53d |
| | | eS | | 24 | 09 |

| | Mu | Sec |
|---|---|---|
| PZ: | 0.01 | 0.8 |

△ = 12°.2
Mag = 4.2(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 2 | Qt | eP | 03 | 40 | 05 |
| 2 | Qt | eP | 05 | 33 | 00 |
| 2 | Qt | iP | 06 | 44 | 30c |
| | | eS | | 51 | 20 |

| | Mu | Sec |
|---|---|---|
| MH : | 4.2 | 20 |

△ = 49°5

| | | | | |
|---|---|---|---|---|
| Wr | P | 06 | 44 | 35 |

Mag: 5.8(Qt)

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 2 | Qt | eP | 06 | 54 | 17 |
| 2 | Qt | iP | 07 | 13 | 33d |
| 2 | Wr | P | 07 | 39 | 33 |
| | Ml | P | | | 36 |
| | | S | | 40 | 51 |
| | Lh | P | | 39 | 56 |
| | | S | | 41 | 24 |
| | Qt | eP | | 40 | 45d |
| | | iS | | 42 | 56 |

H : 07 : 37 : 56
39.5N, 76.0E
Sinkiang Province, China

| | | | | | |
|---|---|---|---|---|---|
| 2 | Qt | eP | 10 | 04 | 23 |
| 2 | Qt | eP | 11 | 16 | 14 |
| 2 | Lh | P | 16 | 33 | 34 |
| | | S | | 40 | 45 |
| | Qt | iP | | 34 | 17d |
| | | iS | | 42 | 06 |
| 2 | Qt | eP | 16 | 59 | 56 |
| 2 | Wr | P | 16 | 59 | 31 |
| | | S | 17 | 00 | 13 |
| | Qt | iP | | | 36c |
| | | iS | | 02 | 10 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.03 | 0.7 |

$\Delta = 8^{o}.3$
Mag: 4.7(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 2 | Qt | iP | 18 | 30 | 47d |
| | | eS | | 40 | 56 |
| 3 | Qt | eP | 01 | 05 | 58 |
| | | eS | | 09 | 00 |
| 3 | Qt | eP | 08 | 27 | 01.8 |
| 3 | Wr | P | 10 | 37 | 30 |
| | Qt | eP | | 38 | 13.3 |
| | | eS | | 40 | 04.3 |
| 3 | Qt | eP | 10 | 57 | 40.4 |
| | | eS | | 58 | 40.3 |
| 3 | Qt | eP | 11 | 20 | 38.4 |
| 3 | Qt | iP | 12 | 39 | 30.1d |
| 3 | Ch | P | 12 | 54 | 03 |
| | | S | | 58 | 46 |
| | Lh | P | | 56 | 16 |
| | | S | 13 | 02 | 47 |
| | Wr | P | 12 | 56 | 42 |
| | | S | 13 | 03 | 44 |
| | Qt | iP | 12 | 56 | 47.2d |
| | | iS | 13 | 03 | 46.8 |
| 3 | Qt | iP | 23 | 44 | 51.5d |
| 4 | Qt | eP | 06 | 31 | 25.3 |
| 4 | Qt | eP | 07 | 31 | 59.2 |
| 4 | Qt | eP | 10 | 37 | 22.6d |
| 4 | Qt | eP | 11 | 09 | 28.5 |
| | | eS | | 10 | 49.1 |
| 4 | Qt | eP | 13 | 03 | 59.3 |

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 4 | Qt | eP | 14 | 03 | 58.9 |
| 4 | Qt | eP | 17 | 46 | 02.2 |
| 4 | Qt | iP | 17 | 59 | 47.9c |
| 4 | Qt | eP | 21 | 04 | 10.8 |
| 5 | Qt | ep | 03 | 06 | 09.0d |
| 5 | Qt | eP | 04 | 19 | 24.2 |
| 5 | Qt | eP | 06 | 07 | 49.5 |
| 5 | Qt | eP | 09 | 24 | 40.3 |
| 5 | Qt | iP | 19 | 08 | 10.7d |
| 5 | Qt | eP | 20 | 40 | 45.2d |
| | | eS | | 42 | 03.7 |
| 5 | Qt | eP | 21 | 10 | 02.9 |
| | | iS | | 11 | 17.8 |
| 6 | Qt | eP | 00 | 30 | 11.9c |
| 6 | Qt | eP | 01 | 13 | 53.7d |
| 6 | Qt | eP | 03 | 38 | 56.1 |
| 6 | Qt | eP | 04 | 35 | 51.8 |
| | | eX | | 37 | 02.1 |
| 6 | Qt | iP | 08 | 45 | 16.8d |
| 6 | Qt | eP | 11 | 07 | 17.3 |
| 6 | Qt | eP | 12 | 25 | 07.3 |
| 6 | Qt | eP | 15 | 41 | 57.7c |
| 7 | Qt | eP | 08 | 38 | 13.9 |
| 7 | Wr | P | 08 | 39 | 49 |
| | Qt | iP | | 40 | 14.8d |
| | | eP | | | 48.4 |
| | | eS | | 49 | 27.4 |
| | | eS | | 50 | 24.2 |
| 7 | Qt | iP | 15 | 05 | 47.7d |
| | | eS | | 16 | 08.4 |
| 7 | Qt | eP | 23 | 09 | 50.8 |
| | | eS | | 11 | 02.6 |
| 8 | Qt | eP | 09 | 52 | 59.7 |
| 8 | Qt | eP | 15 | 10 | 17.1 |
| 8 | Ch | P | 17 | 18 | 22 |
| | | S | | | 47 |
| | Wr | P | | 22 | 44 |
| | | S | | 26 | 41 |
| | Qt | eP | | 23 | 08.4c |
| | | iX | | | 23.5 |
| 8 | Qt | eP | 19 | 58 | 25.7d |

(K.U.Siddiqi)
for Director
Meteorological

International Seismological Centre

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GEOPHYSICAL INSTITUTE
POST BOX NO. 2, QUETTA

PAKISTAN

International Seismological Centre

No.SS-9(2)/63/2882

Quetta, the 23 February, 1967

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

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

Provisional Readings at Seismological Stations from 8th February to 15th Feb. 1967.

Additional
February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Ml | eP | 01 | 12 | 19.1 |
| 1 | Ml | iP | 13 | 05 | 10.4c |
| | | eS | | | 30.6 |
| 2 | Wr | eP | 01 | 20 | 42.8 |
| | | eS | | 22 | 02.6 |
| | Ml | eP | | 20 | 46.0 |
| | | eeS | | 22 | 05.8 |
| | Qt | eP | | 21 | 53 |
| | | eS | | 24 | 09 |

H = 01 : 19 : 00
39°.8N, 76°.5E
Sinkiang Province, China
Depth about 33 Km.

| | | | | | |
|---|---|---|---|---|---|
| 2 | Ch | eP | 06 | 44 | 39 |
| 2 | Ch | eP | 07 | 42 | 53 |
| 2 | Ch | eP | 16 | 32 | 33 |
| | Ml | eP | | 33 | 32.8 |
| 2 | Wr | iP | 16 | 59 | 31.3c |
| | | eS | 17 | 00 | 13.0 |
| | Ml | iP | 16 | 59 | 47.1c |
| | | eS | 17 | 00 | 36.6 |
| | Qt | iP | | | 36c |
| | | iS | | 02 | 10 |

H = 16 : 58 : 36
37°.3N, 72°.1E
Tadzhik, S.S.R.
Depth about 223 km.

| | | | | | |
|---|---|---|---|---|---|
| 2 | Wr | eP | 18 | 30 | 30.9 |
| 3 | Ml | iP | 12 | 56 | 28.2c |
| | | iS | 13 | 03 | 08.7 |
| | Kr | eP | 12 | 56 | 29.6 |
| 4 | Wr | eP | 11 | 08 | 28 + |
| | | eS | | 09 | 03.7 |
| 4 | Wr | iP | 17 | 59 | 17.3d |
| 6 | Wr | eP | 08 | 44 | 27 |
| 7 | Wr | eP | 15 | 05 | 21.6 |
| 7 | Wr | eP | 23 | 08 | 54 |
| | | eS | | 09 | 23.4 |

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 8 | Lh | eP | 17 | 22 | 09 |
| | Ml | eP | | | 21.1 |

Feb. Continuation:

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 12 | 40 | 44.6 |
| | | eS | | 42 | 38.8 |
| 9 | Qt | eP | 14 | 15 | 46.9d |
| | | e(S) | | 21 | 45.9 |
| 9 | Qt | eP | 15 | 40 | 50.2 |
| | | iPKP | | 43 | 54.4c |
| | | ePP | | 46 | 32.2 |
| | | ePKS | | 47 | 33.4 |
| | | e SKS | | 51 | 26.4 |
| | Wr | PKP | | 43 | 54 |
| | Lh | PKP | | 44 | 02 |
| 10 | Qt | iP | 02 | 44 | 36.1c |
| 10 | Ml | eP | 05 | 46 | 54 |
| | | S | | 47 | 13 |
| | Lh | P | | | 04 |
| | Wr | P | | | 23 |
| | | S | | 48 | 05 |
| | Qt | eP | | | 21.4 |
| | | eS | | 49 | 48.8 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.03 | 0.8 |

△ = 7°.7

H = 05 : 46 : 29
33°.3N, 75°.4E
KASHMIR
Depth about 160 Km
Mag : 5.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 10 | Qt | iP | 05 | 55 | 26.8c |
| 10 | Qt | eP | 08 | 37 | 50.2d |
| 10 | Wr | P | 11 | 40 | 43 |
| | Qt | eP | | | 54.6d |
| 10 | Wr | P | 14 | 28 | 49 |
| | | S | | 29 | 23 |
| | Qt | iP | | | 53.5c |
| | | iS | | 31 | 17.2 |

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 10 | Qt | eP | 21 | 05 | 45.5 |
| 10 | Qt | eP | 21 | 14 | 34.5c |
| 10 | Qt | eP | 22 | 02 | 49.1 |
| | | | | | |
| 11 | Qt | iP | 00 | 38 | 40.9d |
| 11 | Qt | eP | 01 | 09 | 59.9 |
| | | eS | | 11 | 45.8 |
| | | | | | |
| 11 | Qt | eP | 02 | 50 | 47.8c |
| 11 | Qt | eP | 04 | 20 | 02.2 |
| 11 | Qt | eP | 04 | 24 | 54.9 |
| 11 | Qt | eP | 08 | 06 | 57.2 |
| | | eS | | 09 | 06.8 |
| 11 | Qt | eP | 09 | 34 | 38.5 |
| | | eS | | 42 | 44.2 |
| 11 | Qt | eP | 14 | 43 | 58.6 |
| 11 | Qt | eP | 15 | 21 | 25.8 |
| 11 | Qt | eP | 15 | 41 | 03.2 |
| 11 | Wr | P | 18 | 02 | 10 |
| | | S | | | 52 |
| | Qt | eP | | 03 | 14.2 |
| | | eS | | 04 | 48.1 |
| | | | | | |
| 11 | Qt | eP | 19 | 06 | 14.2 |
| 11 | Qt | eP | 20 | 16 | 11.3 |
| | | eS | | 17 | 27.4 |
| 11 | Qt | eP | 20 | 47 | 36.6 |
| 11 | Qt | eP | 23 | 02 | 22.6 |
| | | | | | |
| 12 | Qt | iP | 05 | 52 | 04.1c |
| 12 | Qt | iP | 10 | 28 | 33.4c |
| 12 | Qt | iP | 12 | 02 | 24.8d |
| 12 | Qt | eP | 14 | 27 | 36.4 |
| 12 | Ch | P | 16 | 08 | 03 |
| | | S | | | 59 |
| | Qt | iP | | | 22.4 |
| | | eS | | 09 | 30.5 |
| 12 | Qt | iP | 16 | 45 | 30.4d |
| 12 | Wr | P | 17 | 33 | 59 |
| | | S | | 34 | 47 |
| | Qt | eP | | | 30.4 |
| 12 | Qt | eP | 18 | 07 | 28.4 |
| 13 | Wr | P | 01 | 32 | 51 |
| | | S | | 33 | 14 |
| | Qt | eP | | | 55.2 |
| | | eS | | 35 | 06.5 |
| 13 | Qt | eP | 05 | 32 | 06.2d |
| 13 | Qt | eP | 05 | 35 | 04.1 |
| 13 | Qt | eP | 06 | 10 | 44.1 |
| 13 | Qt | eP | 06 | 49 | 23.3d |
| 13 | Qt | eP | 10 | 20 | 01.2 |
| 13 | Qt | iP | 11 | 31 | 09.7c |
| 13 | Qt | eP | 11 | 36 | 13.3 |
| 13 | Qt | eP | 11 | 41 | 17.4 |
| 13 | Qt | eP | 14 | 10 | 09.2d |
| 13 | Qt | eP | 14 | 38 | 09.3 |
| 13 | Qt | iP | 15 | 41 | 57.2c |
| 13 | Qt | eP | 17 | 15 | 22.4 |
| 13 | Qt | eP | 19 | 10 | 41.4 |
| | | eS | | 12 | 55.3 |
| 13 | Qt | eP | 19 | 28 | 48.8 |
| | | iS | | 30 | 00.2 |
| 13 | Qt | iP | 20 | 56 | 00.4d |
| 13 | Qt | eP | 21 | 17 | 02.4 |
| 13 | Qt | eP | 21 | 31 | 59.8 |
| 13 | Wr | P | 23 | 25 | 45 |
| | | S | | 35 | 15 |
| | Qt | eP | | 25 | 49.8c |

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 14 | Ch | P | 01 | 38 | 24 |
| | Lh | P | | 41 | 46 |
| | | S | | 46 | 43 |
| | Wr | P | | 42 | 17 |
| | | S | | 47 | 23 |
| | Qt | eP | | 42 | 29.6d |
| | | | | | |
| 14 | Wr | P | 02 | 26 | 00 |
| | | S | | | 26 |
| | Qt | eP | | | 27.6 |
| | | | | | |
| 14 | Qt | eP | 05 | 20 | 00.1 |
| 14 | Wr | P | 17 | 38 | 11 |
| | | S | | | 40 |
| | Qt | iP | | 39 | 00.1d |
| | | iS | | 40 | 07.2 |
| 14 | Qt | eP | 18 | 32 | 16.1 |
| 14 | Qt | eP | 18 | 59 | 29.1 |
| 14 | Qt | e(P) | 22 | 08 | 31.2 |
| | | eS | | 09 | 37.3 |
| 14 | Qt | eP | 22 | 14 | 48.2 |
| 15 | Qt | eP | 00 | 05 | 05.1 |
| | | eS | | 06 | 24.1 |
| 15 | Qt | eP | 01 | 51 | 24.7 |
| | | eS | | 54 | 44.2 |
| 15 | Wr | P | 03 | 52 | 38 |
| | Qt | eP | | 53 | 58.5 |
| | | eS | | 55 | 25.6 |
| 15 | Qt | eP | 05 | 47 | 03.5 |
| | | eS | | 48 | 17.2 |
| 15 | Ch | P | 05 | 58 | 18 |
| | | S | | | 44 |
| | Lh | P | 06 | 02 | 13 |
| | | S | | 05 | 53 |
| | Wr | P | | 02 | 46 |
| | Qt | eP | | 03 | 03.1d |
| | | iS | | 07 | 21.2 |
| | | H = 05 : 57 : 40 | | | |
| | | 21°.3N, 93°.8E | | | |
| | | B U R M A | | | |
| | | Depth about 33 Km. | | | |
| 15 | Qt | eP | 07 | 35 | 57.8 |
| 15 | Qt | eP | 08 | 50 | 02.4 |
| 15 | Qt | eP | 13 | 01 | 53.8 |
| 15 | Qt | e | 15 | 02 | 47.2d |
| | | iS | | 04 | 10.1 |
| 15 | Qt | eP | 16 | 29 | 15.2 |
| | Wr | P | | | 22 |
| | Ch | P | | 30 | 05 |
| | | S | | 40 | 18 |
| 15 | Qt | eP | 17 | 05 | 29.1 |
| 15 | Qt | eP | 19 | 51 | 15.4 |
| 15 | Qt | eP | 21 | 28 | 21.1 |
| 15 | Qt | eP | 22 | 32 | 57.8 |
| | | eS | | 34 | 28.1 |
| 15 | Qt | eP | 22 | 42 | 28.2 |

International Seismological Centre

(K. U. Siddiqi)
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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)/63/ Quetta, the _____ February, 1967

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

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

Provisional Readings at Seismological Stations from 16th to 22nd February, 1967

Additional

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Wr | eP | 14 | 16 | 01.1 |
| 9 | Kr | ePKP | 15 | 44 | 02.2 |
| | Ch | ePKP | | | 32 |
| 10 | Kr | eP | 05 | 49 | 03.5 |
| 10 | Ch | eP | 11 | 38 | 08 |
| | Kr | eP | | 40 | 45.7 |
| 10 | Wr | iP | 14 | 28 | 49.4 |
| | | iS | | 29 | 22.6 |
| | Ml | iP | | | 09.0d |
| | | iS | | | 57.0 |
| | Qt | iP | | | 53.5c |
| | | iS | | 31 | 17.2 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.01 | 0.5 |

$\triangle = 7^{0}.4$

H = 14 : 28 : 05
$36^{0}.5N$, $71^{0}.4E$
H I N D U K U S H
Depth about 220 Km.
Mag : 4.2 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 10 | Wr | eP | 21 | 05 | 11.5 |
| 11 | Ch | eP | 00 | 35 | 03 |
| | Wr | eP | | 38 | 33± |
| 11 | Wr | eP | 01 | 08 | 57 |
| 11 | Wr | iP | 08 | 05 | 54.1d |
| | | iS | | 06 | 25.5 |
| | Ml | eP | | | 15.5 |
| | | iS | | 07 | 02.8 |
| | Qt | eP | | 06 | 57.2 |

H = 08 : 05 : 13
$36^{0}.2N$, $71^{0}.3E$
H I N D U K U S H
Depth about 223 Km.

| | | | | | |
|---|---|---|---|---|---|
| 11 | Wr | eP | 09 | 33 | 48.1 |

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 12 | Ch | eP | 12 | 01 | 28 |
| | Kr | eP | | 02 | 05.2 |
| | Wr | iP | | | 42.8 d |
| 12 | Wr | iP | 14 | 27 | 46.9d |
| | Lh | | | | 56 |
| | Ch | eP | | 28 | 16 |
| 12 | Wr | iP | 16 | 07 | 19.9d |
| | | iS | | | 43.7 |
| | Ml | iP | | | 43.6c |
| | | iS | | 08 | 17.6 |
| | Lh | eP | | | 03 |
| | | eS | | | 59 |
| | Qt | eP | | | 22.4 |
| | | eS | | 09 | 30.5 |
| | Kr | eP | | | 38.5 |
| | | eS | | 11 | 50.5 |
| | Ch | eP | | | 42 |

H = 16 : 06 : 50
$35^{0}.3N$, $70^{0}.8E$
H I N D U K U S H
Depth about 200 km.

| | | | | | |
|---|---|---|---|---|---|
| 13 | Wr | eP | 01 | 32 | 50.7 |
| | | iS | | 33 | 14.0 |
| | Ml | iP | | | 15.4c |
| | | iS | | | 57.3 |
| | Qt | eP | | | 55.2 |
| | | eS | | 35 | 06.5 |

H = 01 : 32 : 20
$35^{0}.6N$, $70^{0}.8E$
H I N D U K U S H
Depth about 160 km.

| | | | | | |
|---|---|---|---|---|---|
| 13 | Kr | eP | 06 | 48 | 52.9 |
| 13 | Ch | eP | 15 | 39 | 49 |
| | Wr | eP | | 41 | 40.3 |
| 13 | Wr | eP | 19 | 09 | 43.9 |

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 13 | Wr | eP | 19 | 27 | 42.4 |
| | | e(S) | | 28 | 12.1 |
| | Ml | eP | | | 08.3 |
| | | iS | | | 52.7 |
| | Qt | eP | | | 48.8 |
| | | iS | | 30 | 00.2 |

H = 19 : 27 : 12
35°.8N, 70°.9E
H I N D U K U S H
Depth about 160 Km.

| | | | | | |
|---|---|---|---|---|---|
| 13 | Ml. | eP | 23 | 26 | 02.7. |
| | Lh | eP | | | 07 |
| | | eS | | 35 | 52 |
| | Ch | eP | | 27 | 38 |
| 14 | Ml | eP | 01 | 41 | 57.6 |
| | Kr | eP | | 42 | 14.0 |
| 14 | Wr | iP | 17 | 38 | 11.1c |
| | | iS | | | 40.1 |
| | Ml. | eP | | | 38.1 |
| | | iS | | 39 | 28.8 |
| | Qt | iP | | | 00.1 |
| | | iS | | 40 | 07.2 |

H = 17 : 37 : 32
35°.6N, 69°.8E
H I N D U K U S H
Depth about 250 km.

| | | | | | |
|---|---|---|---|---|---|
| 15 | Wr | iP | 05 | 45 | 59.9d |
| | | iS | | 46 | 22.7 |
| 15 | Ml | eP | 06 | 02 | 23.7c |
| | Kr | eP | | | 54.2 |
| 15 | Wr | eP | 15 | 01 | 41.9 |
| | | eS | | 02 | 17.1 |
| | Ml | iP | | | 02.7c |
| | | iS | | | 50.5 |
| | Qt | eP | | | 47.2 |
| | | iS | | 04 | 10.1 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.01 | 0.5 |

Δ = 7°.4
H I N D U K U S H
Depth about 160 km.
Mag : 3.8 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 15 | Kr | eP | 16 | 29 | 24.2 |
| | Lh | eP | | | 30 |
| | Ml | eP | | | 31.0 |

Continuation:

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 09 | 06 | 26.2d |
| 16 | Qt | eP | 11 | 58 | 44.4 |
| 16 | Qt | eP | 14 | 13 | 09.2 |
| 16 | Qt | eP | 15 | 13 | 59.6 |
| | | eS | | 18 | 00.2 |

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 15 | 35 | 41.7 |
| 16 | Qt | eP | 15 | 36 | 26.1 |
| | | eS | | 38 | 25.8 |
| 16 | Qt | eP | 17 | 11 | 06.1 |
| 16 | Qt | eP | 18 | 05 | 08.6 |
| 16 | Qt | eP | 20 | 11 | 20.6 |
| 16 | Qt | eP | 21 | 02 | 05.9 |
| | | eS | | 03 | 28.8 |
| 16 | Qt | eP | 21 | 27 | 22.1 |
| 16 | Qt | eP | 21 | 52 | 04.9 |
| 17 | Wr | P | 00 | 47 | 31 |
| | Qt | eP | | | 49.2 |
| | | eS | | 55 | 02.0 |
| 17 | Qt | eP | 01 | 17 | 01.1 |
| 17 | Qt | eP | 02 | 59 | 24.2d |
| | | eS | 03 | 01 | 04.1 |
| 17 | Qt | eP | 05 | 18 | 57.8 |
| 17 | Qt | eP | 05 | 33 | 04.4 |
| | Wr | P | | | 37 |
| 17 | Qt | eP | 06 | 24 | 29.2 |
| 17 | Qt | eP | 10 | 07 | 04.3 |
| 17 | Qt | eP | 10 | 26 | 50.2 |
| 17 | Wr | iP | 10 | 29 | 45 |
| | Qt | iP | | | 52.2d |
| | | eS | | 38 | 44.4 |
| 17 | Wr | P | 12 | 08 | 30 |
| | | S | | 09 | 10 |
| | Qt | eP | | | 34.8 |
| | | eS | | 11 | 05.2 |
| 17 | Qt | eP | 14 | 57 | 36.6 |
| 17 | Qt | eP | 17 | 10 | 53.3 |
| 17 | Qt | eP | 18 | 21 | 18.1 |
| 17 | Qt | eP | 20 | 42 | 27.3 |
| 18 | Qt | eP | 00 | 44 | 54.2 |
| 18 | Wr | P | 02 | 52 | 00 |
| | Qt | iP | | | 14.8d |
| | | e(S) | 03 | 02 | 52.2 |
| 18 | Qt | eP | 03 | 09 | 50.7c |
| 18 | Qt | eP | 03 | 17 | 56.2 |
| 18 | Wr | P | 06 | 54 | 18 |
| | Qt | iP | | | 31.1c |
| | | eS | 07 | 03 | 28.2 |
| 18 | Wr | P | 11 | 28 | 03 |
| | | S | | | 32 |
| | Qt | eP | | 29 | 08.7 |
| | | iS | | 30 | 29.8 |
| 18 | Qt | eP | 17 | 13 | 30.1 |
| 18 | Qt | eP | 19 | 47 | 12.4 |
| 18 | Qt | eP | 20 | 45 | 33.0 |
| 18 | Qt | eP | 20 | 57 | 01.3 |
| 19 | Qt | eP | 06 | 43 | 37.1 |
| 19 | Qt | eP | 09 | 05 | 25.3 |
| 19 | Qt | eP | 10 | 48 | 34.1 |
| 19 | Qt | iP | 12 | 38 | 49.2c |
| 19 | Lh | P | 13 | 59 | 22 |
| | | S | 14 | 00 | 01 |
| | Wr | P | | | 03 |
| | Qt | eP | | | 40.6 |
| | | eS | | 02 | 27.1 |

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February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 19 | Lh | P | 13 | 59 | 22 |
| | | S | 14 | 00 | 01 |
| | Wr | P | | | 00 |
| | Qt | eP | | | 40.6 |
| | | eS | | 02 | 27.1 |

H = 13 : 58 : 25
31°.3N, 78°.4E
Tibet - India Border
Depth about 220 Km

| | | | | | |
|---|---|---|---|---|---|
| 19 | Qt | eP | 14 | 08 | 14.7 |
| 19 | Qt | eP | 14 | 40 | 50.0 |
| 19 | Qt | eP | 14 | 55 | 12.9 |
| 19 | Qt | eP | 16 | 51 | 48.2d |
| 19 | Qt | eP | 17 | 13 | 15.1 |
| | | eS | | 15 | 11.5 |
| 19 | Qt | eP | 20 | 09 | 02.3 |
| 19 | Ml | P | 20 | 11 | 09 |
| | | S | | 13 | 21 |
| | Wr | P | | 11 | 18 |
| | | S | | 13 | 26 |
| | Lh | P | | 11 | 21 |
| | | S | | 13 | 36 |
| | Qt | iP | | 12 | 27.3c |
| | | eS | | 15 | 37.4 |

H = 20 : 08 : 28
40°.9N, 84.2E
Sinkiang Province, China
Depth about 33 km.

| | | | | | |
|---|---|---|---|---|---|
| 19 | Qt | eP | 21 | 42 | 10.8c |
| 19 | Ch | P | 22 | 21 | 45 |
| | | S | | 27 | 25 |
| | Lh | P | | 23 | 57 |
| | | S | | 31 | 26 |
| | Ml | P | | 24 | 09 |
| | | S | | 31 | 47 |
| | Wr | P | | 24 | 22 |
| | | S | | 32 | 13 |
| | Qt | iP | | 24 | 28.4c |
| | | iS | | 32 | 23.4 |

| | Mu | Sec |
|---|---|---|
| MH | 8.9 | 20 |

△ = 57°.8
Central Java, Indonesia
Loss of life and property reported
Mag: 6.1(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 19 | Wr | P | 22 | 53 | 57 |
| | Qt | eP | | 54 | 04.2 |
| 19 | Qt | eP | 23 | 16 | 06.2 |
| | Wr | P | | | 32 |
| 19 | Ch | P | 23 | 35 | 45 |
| | Lh | P | | 38 | 02 |
| | | S | | 45 | 48 |
| | Wr | P | | 38 | 42 |
| | | S | | 46 | 34 |
| | Qt | eP | | 38 | 39.1c |
| | | eS | | 47 | 02.2 |

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 20 | Qt | eP | 00 | 07 | 22.2 |
| 20 | Qt | eP | 00 | 45 | 04.6 |
| 20 | Qt | eP | 08 | 58 | 14.1 |
| 20 | Qt | iP | 09 | 58 | 02.4c |
| 20 | Wr | P | 10 | 58 | 26 |
| | Qt | eP | | 59 | 25.1 |
| | | eS | 11 | 01 | 06.2 |
| 20 | Qt | eP | 11 | 35 | 51.2 |
| | | eS | | 37 | 20.9 |
| 20 | Qt | eP | 12 | 23 | 56.2 |
| 20 | Ml | P | 14 | 24 | 13 |
| | | S | | | 34 |
| | Lh | P | | | 28 |
| | | S | | | 57 |
| | Wr | P | | | 41 |
| | | S | | 25 | 22 |
| | Qt | eP | | | 42.1 |
| | | iS | | 27 | 11.7 |

| | Mu | Sec |
|---|---|---|
| Pz | 0.015 | 0.6 |

△ = 8°.0
H = 14 : 23 : 45
33°.4N, 75°.4 E
K A S H M I R
(Fore shock of 20th H = 15 : 18 : 40)
Depth about 96 km
Mag: 4.8(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 20 | Ml | P | 15 | 19 | 07 |
| | Lh | P | | | 19 |
| | | S | | | 48 |
| | Wr | P | | | 34 |
| | Qt | iP | | 20 | 34.9d |
| | | iS | | 22 | 04.1 |

H = 15 : 18 : 40
33°.7N, 75°.4 E
K A S H M I R
Depth about 100 km
Mag: About 6.0(Qt)
Felt Lahore, Mirpur, Sargodha, Gujrat and Rawalpindi (West Pakistan)

| | | | | | |
|---|---|---|---|---|---|
| 20 | Ml | P | 15 | 40 | 14 |
| | | S | | | 35 |
| | Lh | P | | | 27 |
| | | S | | | 56 |
| | Qt | iP | | 41 | 42.8c |
| | | eS | | 43 | 12.2 |

| | Mu | Sec |
|---|---|---|
| Pz | 0.01 | 0.6 |

△ = 7°.9
H = 15 : 39 : 48
33°.7N, 75°.4E
Kashmir Aftershock
Depth about 96 Km.
Mag : 4.7(Qt)

International Seismological Centre

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| | | | | | |
|---|---|---|---|---|---|
| 20 | Qt | eP | 16 | 40 | 45.1 |
| | Wr | P | | 41 | 18 |
| 20 | Qt | eP | 17 | 41 | 36.0 |
| | | eS | | 43 | 14.1 |
| 20 | Qt | eP | 17 | 57 | 21.6 |
| | | iS | | 58 | 43.2 |
| 20 | Qt | eP | 19 | 28 | 52.8 |
| 21 | Ml | P | 01 | 20 | 33 |
| | Lh | P | | | 47 |
| | | S | | 21 | 16 |
| | Wr | P | | | 46 |
| | Qt | eP | | 22 | 02.2 |
| | | iS | | 23 | 30.2 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.01 | 0.6 |

△ = 7°.8

H = 01 : 20 : 09
33°.8N, 75°.3E
Kashmir Aftershock
Depth about 96 km
Mag : 4.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 21 | Wr | P | 09 | 23 | 01 |
| | Qt | eP | | | 26.1 |
| 21 | Qt | eP | 09 | 51 | 59.3 |
| | | eS | | 53 | 28.2 |
| 21 | Ml | P | 11 | 15 | 21 |
| | | S | | | 40 |
| | Qt | eP | | 16 | 49.2 |
| | | eS | | 18 | 17.8 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.01 | 0.5 |

△ 7°.9

Kashmir Aftershock
Mag: 4.4(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 21 | Ml | P | 11 | 29 | 57 |
| | | S | | 30 | 20 |
| | Wr | P | | | 19 |
| | | S | | 31 | 04 |
| | Qt | iP | | | 19.5c |
| | | eS | | 32 | 45.4 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.01 | 0.6 |

△ 7°.8

H = 11 : 29 : 28
33°.6N, 75°.2E
Kashmir Aftershock
Depth about 150 km
Mag : 4.6(Qt)

February, 1967

| | | | | | |
|---|---|---|---|---|---|
| 21 | Ml | P | 12 | 38 | 11 |
| | Lh | P | | | 22 |
| | | S | | | 52 |
| | Wr | P | | | 37 |
| | | S | | 39 | 22 |
| | Qt | eP | | | 38.4d |
| | | eS | | 41 | 08.2 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.1 | 1.0 |

△ = 8°.0

H = 12 : 37 : 42
33°.6N, 75°6E
Kashmir Aftershock
Depth about 100 km
Mag : 5.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 21 | Qt | eP | 15 | 14 | 03.3 |
| | | eS | | 17 | 14.6 |
| 21 | Wr | P | 18 | 52 | 11 |
| | Qt | iP | | | 28.6d |
| 21 | Qt | eP | 19 | 14 | 23.6 |
| | | eS | | 19 | 20.0 |
| 21 | Qt | eP | 21 | 34 | 42.1 |
| | | eS | | 36 | 06.2 |
| 21 | Qt | eP | 22 | 20 | 48.0d |
| 21 | Qt | eP | 22 | 45 | 59.2 |
| | | eS | | 48 | 01.0 |
| 22 | Wr | P | 01 | 56 | 2[illegible] |
| | Qt | eP | | 57 | 24.3 |
| | | eS | | 58 | 51.4 |
| 22 | Wr | P | 03 | 09 | 55 |
| | | S | | 10 | 24 |
| | Qt | eP | | 11 | 01.1 |
| | | iS | | 12 | 21.2 |
| 22 | Qt | eP | 04 | 12 | 12.5 |
| 22 | Qt | iP | 08 | 57 | 00.2c |
| 22 | Qt | eP | 10 | 05 | 17.1d |
| 22 | Qt | eP | 15 | 53 | 31.8 |
| | | eS | | 54 | 53.1 |
| 22 | Qt | eP | 18 | 14 | 07.4c |
| 22 | Qt | iP | 23 | 46 | 38.5d |

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International Seismological Centre

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

**P A K I S T A N**

International Seismological Centre

No.SS-9(2)/63/3067 Quetta, the 24 March 1967.

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

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

Provisional Readings, at Seismological stations from 1st March to 8th March, 1967.

Additional
February'1967

| | | | | | |
|---|---|---|---|---|---|
| 23 | Kr | eP | 20 | 48 | 24.2 |
| 24 | Kr | eP | 00 | 20 | 13.5 |
| 24 | Wr | eP | 07 | 06 | 30.4 |
| | | iS | | 07 | 09.4 |
| | Ml | eP | | 06 | 46.7 |
| | | iS | | 07 | 37.3 |
| | Qt | iP | | | 32.6d |
| | | iS | | 09 | 02.4 |

H : 07 05 40
37°.0N, 81°.7E
Tadzhik Afghanistan border
Depth about 220 km.

| | | | | | |
|---|---|---|---|---|---|
| 24 | Kr | eP | 09 | 38 | 10.0 |
| 24 | Ml | iP | 10 | 21 | 24.7d |
| | Wr | eP | | | 57 - |
| | | eS | | 22 | 38.9 |
| | Qt | eP | | | 55.5 |
| | | eS | | 24 | 24.9 |

H: 10 21 02
33°.0N, 75°.6E
Kashmir
depth about 90 km.

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | eP | 10 | 52 | 23.5 |
| 24 | Wr | eP | 14 | 42 | 48.1 |
| | | eS | | 43 | 27.4 |
| 24 | Wr | eP | 15 | 23 | 19.5 |
| | | iS | | | 59.3 |
| | Ml | eP | | | 46.9 |
| | | eS | | 24 | 48.8 |
| | Qt | eP | | | 05.2 |

H: 15 22 26
36°.6N, 69°.1E
Northern Afghanistan
depth about 220 km.

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | eP | 16 | 24 | 47 |
| 24 | Wr | eP | 20 | 19 | 17 |
| | Ml | eP | | | 32.8 |
| | | iS | | 20 | 24.3 |
| | Qt | eP | | | 21.6 |
| | | iS | | 21 | 54.8 |

H: 20 18 23
37°.3N, 72°.0E
Tadzhik Afghanistan border
depth about 220 km.

| | | | | | |
|---|---|---|---|---|---|
| 25 | Lh | eP | 11 | 30 | 23 |
| | Ml | eP | | | 32.2 |
| | Kr | eP | | | 50.0 |
| 25 | Ml | iP | 11 | 46 | 27.6d |
| | Kr | eP | | | 45.2 |

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| | | | | | |
|---|---|---|---|---|---|
| 25 | Wr | iP | 19 | 31 | 50.3c |
| | | iS | | 32 | 01.0 |
| | Ml | eP | | | 25.7 |
| | | iS | | 33 | 10.0 |
| | Qt | eP | | 32 | 52.1 |

H: 19 31 30
34°.8N. 70°.0E
Kabul, Afghanistan
depth about 96 km.

| | | | | | |
|---|---|---|---|---|---|
| 26 | Lh | eP | 04 | 02 | 12 |
| | Kr | eP | | 03 | 34.1 |
| | Ch | eP | | 04 | 05 |
| 26 | Wr | eP | 06 | 47 | 31.3 |
| 26 | Wr | eP | 09 | 05 | 03.2 |
| 26 | Wr | eP | 11 | 48 | 09.9 |
| 26 | Wr | eP | 13 | 21 | 24.9 |
| | | iS | | 22 | 06.0 |
| 26 | Wr | iP | 14 | 52 | 32.9c |
| | | iS | | 53 | 05.8 |
| | Ml | eP | | 52 | 54.7 |
| | | iS | | 53 | 43.0 |
| | Qt | eP | | | 31.3 |
| | | eS | | 54 | 49.4 |

H: 14 51 50
36°.3N. 70°. 7E
Hindukush
depth about 220 km.

| | | | | | |
|---|---|---|---|---|---|
| 26 | Lh | eP | 15 | 26 | 05 |
| 27 | Wr | eP | 06 | 56 | 05 |
| | | eS | | | 25.8 |
| | Ml | iP | | | 07.3c |
| | | iS | | | 34.2 |
| | Qt | eP | | 57 | 05.0 |

H: 06 55 32
34°.4N. 72°.6E
Swat, West Pakistan
depth about 200 km.

| | | | | | |
|---|---|---|---|---|---|
| 27 | Wr | eP | 19 | 43 | 53.3 |
| | | eS | | 44 | 37.4 |
| 27 | Wr | eP | 21 | 54 | 14.4 |
| | | eS | | | 45.2 |
| | Ml | eP | | | 36.1 |
| | | iS | | 55 | 24.9 |
| | Qt | eP | | | 14.3 |
| | | eS | | 56 | 22.1 |

H: 21 53 33
36°.1N. 70°.8E
Hindukush
depth about 220 km.

| | | | | | |
|---|---|---|---|---|---|
| 28 | Ml | eP | 00 | 43 | 36.4 |
| 28 | Lh | eP | 09 | 46 | 56 |

3 NOV 1969

GOVERNMENT OF PAKISTAN

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

International Seismological Centre

P A K I S T A N

No.SS-9(2)/66/ Quetta, the _____ April, 1967.

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

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

PROVISIONAL READINGS AT SEISMOLOGICAL STATIONS FROM 1ST APRIL TO 8TH APRIL, 1967

Additional
March, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | eP | 07 | 06 | 06 ± |
| 24 | Lh | eP | 09 | 08 | 36 |
| 24 | Wr | iP | 11 | 56 | 48.9d |
| 25 | Ml | eP | 03 | 46 | 55.0 |
| | | eS | | 47 | 35.0 |
| 25 | Wr | eP | 22 | 28 | 56.2 |
| 25 | Ch | eP | 22 | 57 | 17 |
| | Lh | eP | | 58 | 02 |
| | | eS | 23 | 06 | 12 |
| 26 | Ml | eP | 03 | 10 | 27.5 |
| | | eS | | 11 | 51.0 |
| 26 | Wr | iP | 20 | 42 | 51.8d |
| 26 | Wr | eP | 21 | 28 | 11.8 |
| 26 | Ml | iP | 22 | 39 | 05.0d |
| | | iS | | | 24.7 |
| | Lh | eP | | | 19.7 |
| | | eS | | | 49.7 |
| | Wr | eP | | | 38.9 |
| | Qt | eP | | 40 | 35.2 |
| | | eS | | 42 | 07.0 |

H = 22 : 38 : 40
33.7N, 75.4E
K A S H M I R
Depth about 96 km

| | | | | | |
|---|---|---|---|---|---|
| 27 | Ch | eP | 08 | 12 | 50 ± |
| | Kr | eP | | 13 | 23.2 |
| | Ml | eP | | 16 | 57.6 |
| 27 | Ch | eP | 09 | 03 | 58 |
| | Lh | eP | | 05 | 13 |
| | Kr | eP | | 06 | 39.1 |
| 27 | Kr | eP | 19 | 59 | 23 |
| 28 | Wr | iP | 00 | 31 | 28.1d |
| | | iS | | 32 | 01.2 |
| | Ml | iP | | 31 | 46.3d |
| | | iS | | 32 | 34.0 |
| | Qt | eP | | | 28.0 |
| | | eS | | 33 | 50.2 |

| | Mu | Sec |
|---|---|---|
| Pz | 0.02 | 0.7 |

△ = 7°.1

H = 00 : 30 : 45
36.2N, 71.3E
H I N D U K U S H
Depth about 220 km.
Mag: 4.4(Qt)

March, 1967

| | | | | | |
|---|---|---|---|---|---|
| 28 | Wr | eP | 04 | 34 | 04.4 |
| 28 | Ch | eP | 19 | 38 | 23 + |
| 29 | Wr | iP | 01 | 16 | 02.2d |
| 29 | Ch | eP | 06 | 53 | 47 |
| 29 | Ch | eP | 10 | 42 | 46 |
| | Wr | iP | | 45 | 03.9c |
| 29 | Ml | eP | 12 | 39 | 12.3 |
| | | eS | | 40 | 14.5 |
| 29 | Ch | eP | 16 | 59 | 21 |
| 30 | Kr | eP | 02 | 18 | 00.3 |
| 30 | Wr | iP | 22 | 10 | 28.0d |
| 31 | Ml | eP | 20 | 12 | 15.3 |
| | | eS | | 13 | 02.0 |

Continuation:
April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 00 | 23 | 16.2c |
| 1 | Wr | P | 01 | 54 | 18 |
| | | S | | | 59 |
| | Qt | eP | | 55 | 21.7c |
| | | eS | | 56 | 53.7 |
| 1 | Ch | P | 06 | 03 | 38 |
| | | S | | 11 | 11 |
| | Wr | P | | 04 | 25 |
| | Qt | iP | | 05 | 01.5c |
| | | eS | | 13 | 48.0 |
| 1 | Ch | P | 06 | 06 | 26 |
| | | S | | 14 | 00 |
| | Qt | iP | | 07 | 48.6c |
| 1 | Wr | P | 07 | 58 | 31 |
| | Qt | eP | | 59 | 09.7 |
| 1 | Qt | eP | 11 | 00 | 51.9 |
| 1 | Ch | P | 12 | 32 | 54 |
| | | S | | 40 | 25 |
| | Wr | P | | 33 | 41 |
| | Qt | iP | | 34 | 17.3c |
| | | eS | | 43 | 03.0 |
| 1 | Wr | P | 13 | 51 | 52 |
| | Qt | eP | 13 | 53 | 03 |
| | | ONSET POOR | | | |
| | | e(S) | | 55 | 08 |
| 1 | Wr | P | 14 | 10 | 42 |
| | Qt | iP | | 11 | 18.4c |
| 1 | Wr | P | 17 | 25 | 22 |
| | Qt | eP | | 26 | 28.0c |

April,1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 17 | 31 | 51.9c |
| 1 | Qt | eP | 23 | 33 | 38.5d |
| 2 | Qt | eP | 17 | 53 | 17.5d |
| | | e(S) | 18 | 04 | 44 |
| 3 | Qt | eP | 04 | 52 | 00.1 |
| 3 | Qt | eP | 07 | 44 | 15.5 |
| 3 | Wr | P | 07 | 44 | 58 |
| | Qt | eP | | 46 | 16 |
| | | | ONSET POOR | | |
| | | e(S) | | | 56.5 |
| 3 | Wr | P | 08 | 16 | 53 |
| | Qt | eP | | 17 | 08.3d |
| 3 | Qt | eP | 15 | 46 | 22 |
| | | | ONSET POOR | | |
| 3 | Wr | P | 16 | 00 | 40 |
| | Qt | iP | | | 51.4c |
| 3 | Qt | eP | 16 | 44 | 42.0 |
| 4 | Wr | P | 00 | 48 | 57 |
| | Qt | eP | | 49 | 12.6 |
| | | iP | | | 14.5d |
| | | eS | | 58 | 56.4 |
| 4 | Wr | P | 04 | 04 | 34 |
| | Qt | iP | | 05 | 10.0c |
| 4 | Qt | iP | 09 | 15 | 24.6d |
| | | iX | | 16 | 40.8 |
| 4 | Qt | eP | 15 | 41 | 23.6 |
| 4 | Qt | eP | 18 | 38 | 55 |
| | | | ONSET POOR | | |
| 4 | Wr | P | 20 | 24 | 23 |
| | Qt | eP | | 25 | 33.7 |
| | | iS | | 26 | 46.2 |
| 4 | Wr | P | 22 | 36 | 59 |
| | | S | | 37 | 33 |
| | Qt | iP | | 38 | 00.2c |
| | | eS | | 39 | 22.2 |
| 4 | Wr | P | 23 | 19 | 45 |
| | | S | | 20 | 20 |
| | Qt | eP | | | 36.3 |
| | | iS | | 21 | 51.4 |
| 5 | Ch | P | 02 | 43 | 16 |
| | | S | | 50 | 33 |
| | Wr | P | | 45 | 05 |
| 5 | Ch | P | 02 | 57 | 00 |
| | | S | 03 | 04 | 18 |
| | Qt | iP | 02 | 59 | 17.4d |
| | | eS | 03 | 08 | 37.8 |
| 5 | Qt | eP | 14 | 07 | 01.2 |
| 5 | Qt | eP | 15 | 20 | 47.4 |
| 5 | Qt | eP | 22 | 59 | 20.6 |
| 5 | Qt | eP | 23 | 05 | 52.8d |
| 6 | Qt | eP | 02 | 43 | 46.7 |
| 6 | Qt | eP | 06 | 27 | 36.8 |
| | | eS | | 35 | 51.8 |
| 6 | Qt | eP | 08 | 59 | 45.7d |
| 6 | Qt | eP | 09 | 16 | 49.8d |
| 6 | Qt | eP | 12 | 12 | 33.8 |

April,1967

| | | | | | |
|---|---|---|---|---|---|
| 6 | Ch | P | 12 | 31 | 05 |
| | | S | | 38 | 21 |
| | Lh | P | | 32 | 41 |
| | | S | | 41 | 24 |
| | Wr | P | | 32 | 54 |
| | | S | | 41 | 49 |
| | Qt | eP | | 33 | 22.2 |
| | | eS | | 42 | 43.0 |
| 6 | Qt | eP | 13 | 00 | 32.0 |
| | | eS | | 03 | 04.0 |
| | Wr | P | | 01 | 19 |
| | Lh | P | | 01 | 48 |
| | | S | | 05 | 27 |
| 6 | Qt | eP | 14 | 20 | 29.3 |
| 6 | Wr | P | 21 | 02 | 21 |
| | Qt | eP | | | 35.3c |
| | | iX | | 03 | 18.4 |
| 6 | Wr | P | 23 | 38 | 22 |
| | Qt | iP | | | 58.6d |
| 6 | Qt | iP | 23 | 42 | 15.7c |
| 7 | Qt | eP | 07 | 19 | 25.7 |
| | | e(S) | | 20 | 25.0 |
| 7 | Qt | eP | 11 | 48 | 10.7 |
| 7 | Qt | eP | 15 | 09 | 08.6c |
| 7 | Qt | eP | 17 | 12 | 51.0 |
| | | eS | | 17 | 48.8 |
| 7 | Qt | eP | 18 | 39 | 05.8d |
| | | eS | | 43 | 59.8 |
| | Wr | P | | 39 | 28 |
| 7 | Qt | eP | 19 | 49 | 01.6 |
| 8 | Qt | eP | 01 | 02 | 24.2 |
| 8 | Qt | iP | 05 | 53 | 01.7d |
| 8 | Qt | eP | 06 | 03 | 10.2 |
| 8 | Qt | eP | 09 | 46 | 29.9d |
| | | iS | | 47 | 53.4 |
| 8 | Qt | eP | 20 | 24 | 03.1c |
| 8 | Qt | iP | 21 | 16 | 28.2c |
| | | iS | | 17 | 46.4 |
| 8 | Qt | iP | 22 | 40 | 19.2d |
| 8 | Qt | eP | 23 | 00 | 39.3 |
| 8 | Qt | eP | 23 | 12 | 11.7 |

International Seismological Centre

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

Aslam

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)/66/ Quetta, the _____ April, 1967.

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

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

PROVISIONAL READINGS AT SEISMOLOGICAL STATIONS FROM 9TH TO 15TH APRIL, 1967

Additional

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Ml | eP | 06 | 04 | 20.3 |
| | Kr | eP | | 05 | 23.0 |
| 1 | Wr | eP | 11 | 00 | 45.2 |
| 1 | Ml | iP | 12 | 33 | 35.6d |
| 1 | Ml | eP | 13 | 51 | 51.7 |
| 1 | Ch | eP | 14 | 09 | 56 |
| 1 | Wr | eP | 17 | 31 | 16.3 |
| 3 | Ml | eP | 07 | 46 | 58.0 |
| | | eS | | 47 | 58.0 |
| | Ch | eP | | | 22 |
| 3 | Ch | eP | 08 | 14 | 46 ± |
| 4 | Ch | eP | 04 | 03 | 46 |
| 4 | Ch | eP | 09 | 13 | 16 |
| | | eS | | 19 | 03 |
| 4 | Wr | eP | 23 | 19 | 44.9 |
| | | eS | | 20 | 20.2 |
| | Ml | eP | | | 10.0 |
| | | iS | | 21 | 01.5 |
| | Qt | eP | | 20 | 36.3 |
| | | | | 21 | 51.4 |

H = 23 : 19 : 00
36.2N, 69.9E
H I N D U K U S H
Depth about 220 km

| | | | | | |
|---|---|---|---|---|---|
| 5 | Ml | eP | 02 | 44 | 55.5 |
| 5 | Wr | iP | 02 | 58 | 49.5d |
| | Kr | eP | | 59 | 24.1 |
| 5 | Ch | eP | 15 | 16 | 22 ± |
| | Wr | eP | | 20 | 34 |
| 5 | Wr | eP | 23 | 05 | 51.1 |
| 6 | Wr | eP | 02 | 43 | 11.2 |
| 6 | Ch | eP | 06 | 25 | 29 |
| | Wr | eP | | 27 | 00.8 |
| | Kr | eP | | | 53.8 |
| 6 | Kr | eP | 13 | 00 | 48.1 |
| | Ml | eP | | 01 | 44.9 |
| | Ch | eP | | 04 | 29 |
| 6 | Ch | eP | 23 | 36 | 53 |

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 8 | Wr | iP | 09 | 45 | 24.5c |
| | | iS | | 46 | 31.2 |
| | Qt | eP | | | 29.9d |
| | | iS | | 47 | 53.4 |

| | Mu | Sec |
|---|---|---|
| PZ | .04 | 0.6 |

Δ = 7°.3
H = 09 : 44 : 40
36.5N, 71.7E
H I N D U K U S H
Depth about 200 km
Mag: 4.6(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 8 | Wr | eP | 20 | 23 | 43.6 |
| 8 | Wr | iP | 21 | 15 | 24.4d |
| | | iS | | | 50.0 |
| | Ml | eP | | | 45.7 |
| | | iS | | 16 | 27.8 |
| | Lh | eP | | | 05 |
| | | eS | | 17 | 03 |
| | Qt | iP | | 16 | 28.2c |
| | | iS | | 17 | 46.4 |

| | Mu | Sec |
|---|---|---|
| PZ | .01 | 0.5 |

Δ = 6°.9
H = 21 : 14 : 50
35.8N, 71.2E
H I N D U K U S H
Depth about 160 km
Mag : 4.4 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 8 | Wr | eP | 22 | 59 | 27.7 |
| 8 | Wr | eP | 23 | 11 | 01 |

Continuation:
April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 00 | 16 | 43.6 |
| | | eS | | 26 | 20.0 |
| 9 | Qt | eP | 01 | 18 | 28.8 |
| 9 | Qt | eP | 09 | 09 | 54 |
| | | | ONSET POOR | | |
| 9 | Qt | eP | 11 | 17 | 30.2d |
| 9 | Qt | eP | 15 | 29 | 08.2 |

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 16 | 24 | 36.3c |
| 9 | Qt | iP | 17 | 52 | 59.1c |
| | | e(S) | 18 | 01 | 58.5 |
| 9 | Qt | eP | 19 | 04 | 14.6d |
| 9 | Qt | eP | 19 | 08 | 28.5 |
| 9 | Qt | eP | 19 | 19 | 26.2 |
| 9 | Qt | eP | 19 | 58 | 49.4 |
| | | eS | 20 | 02 | 02.0 |
| 9 | Qt | eP | 21 | 31 | 44.7 |
| 9 | Qt | eP | 22 | 03 | 16.4d |
| 10 | Qt | eP | 00 | 16 | 20.1 |
| 10 | Ch | P | 05 | 11 | 00 |
| | | S | | 20 | 05 |
| * | Qt | eS | | 23 | 38.4 |
| 10 | Qt | eP | 12 | 16 | 48.5 |
| 10 | Ch | P | 15 | 13 | 50 |
| | | S | | 22 | 54 |
| | Qt | eP | | 15 | 52.9d |
| | | eS | | 26 | 25.0 |

| | Mu | Sec |
|---|---|---|
| PS : | 0.04 | 1.2 |

$\Delta$ = 86°.5
Mag = 5.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 10 | Wr | P | 16 | 21 | 36 |
| | | S | | 22 | 31 |
| | Qt | eP | | | 30.8 |
| | | eS | | 23 | 56.5 |
| 10 | Wr | P | 16 | 47 | 12 |
| | | S | | | 24 |
| | Qt | eP | | 48 | 24.3 |
| | | eS | | 49 | 36.3 |
| 10 | Qt | eP | 17 | 07 | 04.0 |
| | Wr | P | | | 17.0 |
| 10 | Qt | eP | 18 | 37 | 58.4 |
| 10 | Wr | P | 20 | 09 | 35 |
| | Qt | iP | | 10 | 02.5c |
| | | epP | | 13 | 19.4 |
| | | eS | | 20 | 25.2 |
| 10 | Qt | eP | 20 | 47 | 50.2 |
| 10 | Qt | eP | 20 | 58 | 48.4d |
| 10 | Qt | eP | 21 | 20 | 50.2 |
| 10 | Qt | eP | 22 | 02 | 29.7d |
| 10 | Qt | eP | 23 | 25 | 15.6c |
| 11 | Ch | P | 05 | 16 | 24 |
| | | S | | 22 | 16 |
| | Lh | P | | 18 | 44 |
| | | S | | 26 | 24 |
| | Qt | eP | 1 | 19 | 19.0c |
| | | eS | | 27 | 30.3 |

| | Mu | Sec |
|---|---|---|
| MH : | 4.2 | 20 |

$\Delta$ 60°.4
Mag : 5.9(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 11 | Qt | eP | 05 | 48 | 55.5 |
| 11 | Wr | P | 09 | 01 | 29 |
| | | S | | | 58 |
| | Qt | eP | | 02 | 44 |
| | | eS | | 03 | 55.5 |
| 11 | Qt | eP | 11 | 40 | 00.1 |
| | | eP | 05 | 13 | 03.2 |

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 11 | Qt | eP | 13 | 53 | 45.4 |
| 11 | Qt | eP | 15 | 06 | 25.2 |
| 11 | Wr | P | 15 | 29 | 20 |
| | Qt | eP | | 30 | 19.9 |
| | | eS | | 31 | 54.5 |
| 11 | Qt | eP | 22 | 59 | 44.6 |
| 12 | Qt | eP | 02 | 12 | 43.3d |
| 12 | Lh | P | 04 | 58 | 16 |
| | | S | 05 | 03 | 36 |
| | Wr | P | 04 | 58 | 46 |
| | Qt | eP | | | 48.4c |
| | | e(S) | 05 | 04 | 58.0 |
| 12 | Qt | eP | 08 | 29 | 01.0 |
| | | eS | | 30 | 32.2 |
| 12 | Wr | P | 12 | 56 | 48 |
| | | S | | 57 | 35 |
| | Qt | eP | | | 54 |

ONSET POOR

| | | | | | |
|---|---|---|---|---|---|
| 12 | Qt | eP | 13 | 59 | 14.4d |
| 12 | Qt | eP | 14 | 08 | 05.0d |
| 12 | Qt | eP | 14 | 33 | 06.5 |
| 12 | Qt | eP | 15 | 05 | 02.0 |
| 12 | Qt | eP | 18 | 18 | 05.0c |
| 12 | Qt | eP | 18 | 54 | 49 |

ONSET POOR

| | | | | | |
|---|---|---|---|---|---|
| 12 | Qt | eP | 18 | 58 | 17.2 |
| 12 | Qt | eP | 19 | 26 | 44.8d |
| 12 | Qt | eP | 19 | 33 | 09.1c |
| 12 | Qt | eP | 19 | 40 | 56.4c |
| 12 | Qt | eP | 21 | 41 | 50.9c |
| 12 | Qt | eP | 22 | 39 | 24.7d |
| 12 | Qt | eP | 23 | 06 | 33.3 |
| | | eS | | 07 | 54.7 |
| 12 | Qt | eP | 23 | 35 | 23.6 |
| 12 | Qt | eP | 23 | 44 | 00.6d |
| 13 | Qt | eP | 08 | 32 | 50.7c |
| 13 | Qt | eP | 17 | 31 | 27.5 |
| 13 | Qt | eP | 18 | 00 | 31.2 |
| 13 | Qt | eP | 18 | 50 | 55.8 |
| 13 | Qt | eP | 19 | 07 | 40.3 |
| 13 | Qt | eP | 19 | 51 | 34.3 |
| | | eS | | 53 | 18.3 |
| 13 | Lh | P | 20 | 02 | 12 |
| | Wr | P | | | 28 |
| | Qt | iP | | 03 | 01.5c |
| 13 | Qt | eP | 20 | 18 | 40 |

ONSET POOR

| | | | | | |
|---|---|---|---|---|---|
| 13 | Qt | eP | 21 | 47 | 26.7d |
| 14 | Qt | iP | 01 | 31 | 50.8d |
| 14 | Qt | eP | 05 | 37 | 42.8 |
| 14 | Qt | eP | 08 | 13 | 13.9c |
| 14 | Qt | eP | 14 | 00 | 34.5 |
| 14 | Qt | eP | 14 | 54 | 21.7d |
| 14 | Qt | eP | 15 | 41 | 15.5 |
| 14 | Qt | eP | 18 | 15 | 58.0 |
| 14 | Qt | eP | 19 | 02 | 34.4 |
| 15 | Qt | eP | 00 | 25 | 16.8 |
| 15 | Qt | eP | 02 | 28 | 07.0 |
| | | eS | | 29 | 09.2 |
| 15 | Qt | eP | 15 | 04 | 44.8 |
| | | e(S) | | 06 | 27.2 |
| 15 | Qt | eP | 17 | 04 | 50.3 |
| 15 | Qt | eP | 21 | 40 | 42.3 |
| 15 | Qt | eP | 23 | 45 | 54.3 |

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POST BOX NO.2, QUETTA

**P A K I S T A N**

No.SS-9(2)/66/ Quetta,the _____April,1967

International Seismological Centre

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

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

**PROVISIONAL READINGS AT SEISMOLOGICAL STATIONS FROM 16TH TO 23RD APRIL,1967**

**Additional**

April,1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Lh | eP | 00 | 16 | 11 |
| | Wr | eP | | | 28.4 |
| 9 | Wr | eP | 09 | 09 | 53.3 |
| 9 | Ml | eP | 17 | 52 | 33.6 |
| | Kr | eP | | | 45.6 |
| | Wr | eP | | | 46.8 |
| 9 | Wr | eP | 19 | 58 | 07.7 |
| 10 | Wr | eP | 05 | 12 | 47.5 |
| 10 | Lh | eP | 15 | 15 | 24 |
| | Wr | iP | | | 36.4d |
| | Kr | eP | | | 47.7 |
| 10 | Ml | eP | 16 | 22 | 14.8 |
| | | eS | | 23 | 24.3 |
| 10 | Wr | eP | 22 | 02 | 13.0 |
| 10 | Wr | eP | 23 | 24 | 59.1 |
| | Kr | eP | | 25 | 13.8 |
| 11 | Wr | eP | 05 | 19 | 07.8 |
| 11 | Wr | eP | 13 | 52 | 58.6 |
| 12 | Wr | eP | 02 | 12 | 26.4 |
| 12 | Kr | eP | 04 | 58 | 26.6 |
| | Ml | eP | | | 28.0 |
| 12 | Wr | eP | 08 | 27 | 54.9 |
| 12 | Wr | eP | 14 | 07 | 48.5 |
| 12 | Wr | eP | 15 | 04 | 44.7 |
| 12 | Kr | eP | 19 | 32 | 22.8 |
| | Wr | eP | | 34 | 18.2 |
| 12 | Kr | eP | 21 | 41 | 48.6 |
| 12 | Wr | eP | 23 | 05 | 31.3 |
| | | eS | | 06 | 05.2 |
| | Ml | eP | | 05 | 50.8 |
| | | iS | | 06 | 38.6 |
| | Qt | eP | | | 33.3 |
| | | eS | | 07 | 54.7 |

H = 23 : 04 : 47
36.5N, 71.2E
H I N D U K U S H
Depth about 220 Km.

| | | | | | |
|---|---|---|---|---|---|
| 13 | Kr | eP | 20 | 03 | 09.8 |
| 13 | Wr | eP | 20 | 18 | 47.6 |
| 14 | Wr | eP | 19 | 03 | 36.1 |
| 15 | Wr | eP | 00 | 24 | 48.3 |

**CONTINUATION**

April,1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 03 | 19 | 05.0 |
| | | eS | | 20 | 11.2 |

April,1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 07 | 48 | 35.3 |
| 16 | Wr | P | 09 | 40 | 55 |
| | | S | | 41 | 40 |
| | Qt | eP | | | 50.4 |
| | | eS | | 43 | 19.3 |

| | Mu | Sec |
|---|---|---|
| MH | 2.3 | 20 |
| △ | = 70.4 | |
| Mag | = 5.8 (Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 11 | 17 | 19.2 |
| | | eS | | 18 | 44.3 |
| 16 | Qt | eP | 15 | 41 | 21.6d |
| 16 | Qt | eP | 17 | 08 | 09.0 |
| 16 | Qt | iP | 20 | 41 | 32.7d |
| 17 | Qt | iP | 11 | 15 | 59.4c |
| 17 | Qt | iP | 18 | 03 | 43.0c |
| 17 | Qt | iP | 19 | 49 | 33.5c |
| 17 | Qt | eP | 20 | 24 | 54.9 |
| | | eS | | 26 | 12.1 |
| 17 | Qt | eP | 21 | 32 | 34.2 |
| | | eS | | 33 | 57.8 |
| 18 | Qt | eP | 08 | 48 | 22.1 |
| 18 | Wr | P | 17 | 32 | 31 |
| | | S | | 33 | 20 |
| | Qt | eP | | | 34.6 |
| | | eS | | 35 | 16.2 |
| 19 | Qt | eP | 03 | 41 | 08.2 |
| 19 | Qt | eP | 07 | 34 | 16.1 |
| 19 | Qt | eP | 07 | 37 | 44.5 |
| 19 | Qt | eP | 08 | 07 | 05.2 |
| 19 | Wr | P | 09 | 40 | 31 |
| | | S | | 41 | 01 |
| | Qt | eP | | | 35.8 |
| | | eS | | 42 | 56.6 |
| 19 | Qt | eP | 13 | 54 | 20.2 |
| 20 | Wr | P | 00 | 12 | 06 |
| | | S | | 20 | 45 |
| | Qt | iP | | 12 | 19.0c |
| | | eS | | 21 | 10.2 |
| 20 | Qt | eP | 03 | 01 | 03.2 |
| 20 | Qt | eP | 04 | 12 | 47.3d |
| 20 | Qt | eP | 12 | 18 | 50.4 |

| | | | | | |
|---|---|---|---|---|---|
| 20 | Qt | eP | 20 | 28 | 48.4 |
| 20 | Qt | eP | 23 | 33 | 54.5 |
| 21 | [illegible] | P | 04 | 38 | 01 |
| | | S | | | 40 |
| | Qt | eP | | | 09.3 |
| | | iS | | 39 | 18.2 |
| 21 | Qt | eP | 04 | 50 | 55.3 |
| | | eS | | 52 | 12.2 |
| 21 | [illegible] | P | 08 | 24 | 44 |
| | | S | | 33 | 06 |
| | Qt | eP | | 25 | 18.7 |
| | | eS | | 34 | 02.0 |
| 21 | Qt | eP | 08 | 53 | 52.9d |
| 21 | Qt | eP | 08 | 57 | 59 |
| | | ONSET POOR | | | |
| 21 | Qt | eP | 11 | 31 | 18.8 |
| 21 | Qt | eP | 14 | 56 | 05.4c |
| 21 | Qt | eP | 16 | 35 | 45.8d |
| 21 | Qt | eP | 21 | 23 | 05.4 |
| 22 | Qt | eP | 03 | 02 | 07.3 |
| | | e(S) | | 04 | 30.2 |
| 22 | Qt | eP | 05 | 23 | 22.0 |
| 22 | Ch | P | 08 | 45 | 34 |
| | Qt | eP | | 48 | 19.2c |
| | | eS | | 57 | 16.2 |
| 22 | Qt | eP | 08 | 54 | 46.7d |
| 22 | Qt | eP | 12 | 05 | 19.6d |
| 22 | Qt | eP | 12 | 26 | 47.8 |
| 22 | Wr | P | 13 | 14 | 45 |
| | Qt | iP | | | 48.5 |
| | | eS | | 20 | 36.2 |

| Mu | Sec |
|---|---|
| MH : 5.5 | 20 |

$\triangle = 37.^{\circ}7$

Mag = 5.7(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 22 | Qt | eP | 15 | 02 | 33.7d |
| 22 | Wr | P | 15 | 30 | 16 |
| | | S | | 31 | 11 |
| | Qt | eP | | | 37.5 |
| | | eS | | 33 | 07.4 |
| 22 | Qt | eP | 17 | 37 | 51 |
| | | ONSET POOR | | | |
| 22 | Qt | iP | 19 | 53 | 06.2c |
| | | eS | 20 | 02 | 08.2 |
| 22 | Qt | eP | 22 | 20 | 02.8 |
| 23 | Qt | eP | 05 | 41 | 34.7 |
| 23 | Qt | eP | 09 | 39 | 39.7d |
| 23 | Wr | P | 10 | 35 | 39 |
| | | S | | 36 | 11 |
| | Qt | eP | | 37 | 13.1 |
| | | eS | | 38 | 20.2 |
| 23 | Ch | P | 12 | 57 | 27 |
| | Wr | P | 13 | 00 | 04 |
| | Qt | eP | | | 25.5d |
| 23 | Qt | eP | 15 | 07 | 26.7 |
| | Wr | P | | | 46 |



| | | | | | |
|---|---|---|---|---|---|
| 23 | Wr | P | 18 | 03 | 59 |
| | Qt | iP | | 04 | 24.2d |
| 23 | Wr | P | 20 | 06 | 28 |
| | Qt | eP | | | 45 |
| | | ONSET POOR | | | |
| 23 | Ch | P | 20 | 20 | 12 |
| | Wr | P | | 23 | 48 |
| | Qt | eP | | 24 | 15.8d |
| | | eS | | 29 | 08.7 |

H = 20 : 19 : 08
25.8N, 93.9E
ASSAM
Depth about 33 km.

International Seismological Centre

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

Aslam

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

**P A K I S T A N**

International Seismological Centre

No.SS-9(2)/63/3398 Quetta, the 19 April, 1967.

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

Provisional Readings at Seismological Stations from 9th to 15th March, 1967.

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Additional

| | | | | | |
|---|---|---|---|---|---|
| March,1967 | | | | | |
| 1 | Ml | iP | 04 | 09 | 56.1c |
| | Wr | eP | | 10 | 24.0 |
| | | eS | | 11 | 10.0 |
| 1 | Kr | eP | 10 | 15 | 10.8 |
| | Wr | | | 16 | 04.8 |
| 1 | Ch | eP | 14 | 31 | 57 ± |
| | | eS | | 37 | 51 |
| | Wr | eP | | 34 | 32.4 |
| | Kr | eP | | | 39.7 |
| 1 | Ml | iP | 22 | 16 | 29.1c |
| | | iS | | 17 | 18.1 |
| 1 | Ml | iP | 22 | 28 | 07.6d |
| 2 | Wr | eP | 00 | 35 | 42 |
| | | eS | | 36 | 14.2 |
| | Ml | eP | | | 04.6 |
| | | iS | | 48 | 48.3 |
| | Qt | eP | | | 47.2 |
| | | eS | | 38 | 10.3 |

H = 00 : 35 : 00
36°.7N, 71°.2E
H I N D U K U S H
Depth about 160 Km

| | | | | | |
|---|---|---|---|---|---|
| 2 | Wr | eP | 07 | 19 | 36.8 |
| 2 | Kr | eP | 07 | 58 | 20.8 |
| 2 | Wr | eP | | | 33.9 |
| 2 | Kr | eP | 09 | 55 | 41.2 |
| 2 | Wr | eP | 11 | 50 | 30.4 |
| 2 | Kr | eP | 13 | 29 | 38.7 |
| 2 | Wr | eP | 20 | 58 | 06.1 |
| | Kr | eP | | 59 | 06.6 |
| 2 | Wr | eP | 23 | 13 | 05.0 |
| | Kr | eP | | 15 | 05.6 |
| 3 | Wr | eP | 05 | 56 | 23.8 |
| 3 | Wr | eP | 08 | 52 | 29.0 |
| | | eS | | 53 | 18.3 |

| | | | | | |
|---|---|---|---|---|---|
| March,1967 | | | | | |
| 3 | Kr | eP | 09 | 03 | 29.4 |
| 3 | Wr | iP | 09 | 25 | 43.6c |
| | | iS | | 26 | 16.1 |
| | Ml | eP | | | 05.6 |
| | | iS | | | 52.9 |
| | Qt | iP | | | 48.5d |
| | | iS | | 27 | 58.3 |

H = 09 : 25 : 00
36°.1N, 70°.7E
H I N D U K U S H
Depth about 250 Km.

| | | | | | |
|---|---|---|---|---|---|
| 3 | Wr | eP | 15 | 10 | 14.6 |
| 3 | Ml | iP | 16 | 29 | 09.9c |
| 4 | Wr | eP | 11 | 59 | 15.9 |
| | | eS | | | 52.5 |
| 4 | Wr | eP | 14 | 19 | 31.8 |
| | | iS | | 20 | 07.3 |
| | Ml | eP | | 19 | 56.5 |
| | | iS | | 20 | 49.0 |
| | Qt | eP | | | 33.5 |
| | | iS | | 21 | 59.2 |

H = 14 : 18 : 45
36°.9N, 70°.7E
H I N D U K U S H
Depth about 220 Km

| | | | | | |
|---|---|---|---|---|---|
| 4 | Kr | eP | 18 | 05 | 24.4 |
| | Ml | eP | | | 45.3 |
| 5 | Wr | iP | 04 | 48 | 03.4d |
| | | iS | | | 36.5 |
| | Ml | iP | | | 39.5c |
| 5 | Kr | eP | 09 | 38 | 42.3 |
| 5 | Ml | iP | 17 | 28 | 43.1c |
| | Wr | eP | | 29 | 14.5 |
| 6 | Ml | iP | 01 | 36 | 42.8c |

| | | | | | |
|---|---|---|---|---|---|
| March,1967. | | | | | |
| 6 | Wr | eP | 02 | 51 | 53.5 |
| 6 | Kr | eP | 04 | 49 | 48.5 |
| | | eS | | 57 | 31.1 |
| 6 | Ml | iP | 11 | 35 | 43.1c |
| 6 | Wr | iP | 16 | 35 | 12.4d |
| | | iS | | | 41.4 |
| | Ml | eP | | - | 34.1 |
| | | iS | | 36 | 18.1 |
| | Qt | eP | | | 16.1 |
| | | iS | | 37 | 34.2 |

H = 16 : 34 : 35
36°.1N, 71°.0E
H I N D U K U S H
Depth about 160 Km.

| | | | | | |
|---|---|---|---|---|---|
| 6 | Wr | eP | 20 | 49 | 00 ± |
| | | eS | | | 56.6 |
| 6 | Wr | eP | 23 | 31 | 55 |
| | Ml | iP | | 32 | 10.2c |
| 7 | Wr | eP | 13 | 58 | 26.6 |
| 7 | Kr | eP | 16 | 31 | 07.2 |
| 7 | Wr | eP | 19 | 15 | 19.1 |
| 8 | Ml | eP | 10 | 13 | 55.8 |
| | Wr | eP | | 14 | 06.6 |

CONTINUATION:

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 00 | 03 | 49.4 |
| 9 | Qt | eP | 14 | 27 | 47.8 |
| 9 | Qt | eP | 17 | 27 | 33.4 |
| 9 | Qt | iP | 17 | 50 | 43.3d |
| 9 | Qt | eP | 18 | 16 | 33.2 |
| 9 | Qt | eP | 20 | 29 | 39.3 |
| | | iS | | 30 | 57.8 |
| 10 | Qt | eP | 00 | 40 | 47.4d |
| | | eS | | 48 | 29.2 |
| 10 | Qt | iP | 02 | 03 | 42.2d |
| 10 | Qt | eP | 10 | 25 | 35.3 |
| | | iS | | 26 | 49.4 |
| 10 | Qt | eP | 14 | 25 | 53.9d |

| | | | | | |
|---|---|---|---|---|---|
| 10 | Qt | eP | 17 | 32 | 30.4 |
| 10 | Qt | eP | 19 | 52 | 46.5 |
| 10 | Qt | eP | 22 | 07 | 43.8 |
| 11 | Qt | eP | 00 | 17 | 41.1 |
| 11 | Qt | eP | 08 | 50 | 36.2 |
| 11 | Qt | eP | 14 | 38 | 33.6 |
| 11 | Wr | P | 15 | 04 | 00 |
| | Qt | eP | | | 05.1d |
| 11 | Wr | P | 15 | 28 | 39 |
| | Qt | eP | | 29 | 27.2 |
| | | eS | 16 | 01 | 33.3 |
| 11 | Wr | P | 16 | 22 | 23 |
| | Qt | eP | | 23 | 33.6 |
| | | e(S) | | 25 | 37.4 |
| 11 | Wr | P | 17 | 01 | 29 |
| | Qt | iP | | 02 | 06.1c |
| | | eS | | 06 | 22.2 |
| 11 | Wr | P | 18 | 48 | 04 |
| | | S | | 49 | 49 |
| | Qt | eP | | 48 | 42.3 |
| 11 | Wr | P | 22 | 56 | 04 |
| | | S | | | 34 |
| | Qt | iP | | | 52.4d |
| | | iS | | 58 | 00.2 |
| 12 | Qt | eP | 03 | 02 | 05.1 |
| | | eS | | 10 | 13.1 |
| 12 | Qt | eP | 06 | 49 | 30.2 |
| 12 | Qt | eP | 08 | 35 | 47.3 |
| 12 | Qt | iP | 14 | 39 | 56.3c |
| | | eS | | 41 | 30.9 |
| 12 | Qt | eP | 15 | 57 | 26.5 |
| 12 | Qt | iP | 16 | 55 | 06.0 |
| | | eS | | 56 | 27.2 |
| 12 | Qt | eP | 17 | 39 | 35.1 |
| | | eS | | 41 | 02.0 |
| 12 | Qt | eP | 21 | 50 | 19.8 |
| 12 | Qt | eP | 22 | 44 | 48.1 |
| 13 | Qt | eP | 07 | 15 | 17.2 |
| 13 | Qt | iP | 07 | 55 | 25.1d |
| 13 | Qt | eP | 11 | 52 | 15.9 |
| 13 | Qt | eP | 13 | 03 | 36.1 |
| | Wr | P | | | 55 |
| | | S | | 04 | 41 |
| 13 | Qt | eP | 15 | 56 | 41.3 |
| | | e(S) | 16 | 00 | 13.2 |
| 13 | Qt | eP | 16 | 26 | 34.2d |
| | Wr | P | | | 39 |
| 13 | Qt | eP | 19 | 28 | 07.1d |
| | | iS | | 33 | 02.0 |
| | Wr | P | | 28 | 48 |
| | Lh | P | | 29 | 04 |
| 13 | Qt | eP | 20 | 00 | 38.3 |
| 13 | Qt | eP | 21 | 53 | 26.2d |
| 13 | Qt | eP | 22 | 58 | 23.6 |
| 14 | Qt | eP | 04 | 53 | 23.2 |
| 14 | Ch | P | 06 | 59 | 40 |
| | Lh | P | 07 | 02 | 11 |
| | | S | | 05 | 27 |
| | Wr | P | | 02 | 40 |
| | | S | | 06 | 26 |
| | Qt | iP | | 03 | 19.2c |
| | | iS | | 07 | 35.2 |



| | | | | | |
|---|---|---|---|---|---|
| 14 | Wr | P | 07 | 59 | 07 |
| | Qt | eP | | | 35.2 |
| 14 | Qt | eP | 09 | 47 | 25.4c |
| 14 | Qt | eP | 11 | 50 | 25.6 |
| 14 | Qt | eP | 12 | 11 | 39.2 |
| 14 | Wr | P | 14 | 35 | 58 |
| | | S | | 36 | 31 |
| | Lh | P | | | 40 |
| | | S | | 37 | 43 |
| | Qt | iP | | 36 | 53.3d |
| | | iS | | 38 | 09.7 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.05 | 0.5 |

△ = 6°.8
H = 14 : 35 : 15
36°.2N, 70°.4E
H I N D U K U S H
Depth about 220 Km
Mag: 5.0(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 14 | Qt | eP | 16 | 47 | 20.2 |
| 14 | Qt | eP | 17 | 28 | 07.1 |
| 14 | Qt | eP | 18 | 26 | 17.7 |
| 14 | Qt | eP | 21 | 56 | 57.5c |
| 14 | Qt | iP | 23 | 42 | 27.7c |
| 15 | Qt | eP | 05 | 40 | 55.5 |
| 15 | Qt | eP | 10 | 52 | 10.3d |
| 15 | Qt | eP | 16 | 29 | 25.2 |
| 15 | Qt | iP | 17 | 56 | 48.8d |
| | | iS | | | 51.6 |
| | Wr | P | | 58 | 10 |
| | | S | | 59 | 32 |

△ = 0°.2
H = 17 : 56 : 45.1
30°.1N, 66°.9E
depth about 15 Km
Chiltan Hills,Quetta.
About 20 Km Southwest of Quetta.
Felt: Quetta,Intensity V.
Mag: 4(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 15 | Qt | eP | 22 | 20 | 52.3c |

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

International Seismological Centre

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

**P A K I S T A N**

International Seismological Centre

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

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

**Provisional Readings at Seismological Stations from 16th March to 23rd March 1967.**

**Additional**

| March, 1967 | | | | | |
|---|---|---|---|---|---|
| 9 | Wr | iP | 21 | 34 | 01.5c |
| 10 | Wr | eP | 00 | 40 | 16.2 |
| 10 | Wr | eP | 10 | 24 | 33.8 |
| | | eS | | 25 | 00.7 |
| 10 | Kr | eP | 20 | 02 | 15.7 |
| 11 | Wr | iP | 15 | 03 | 59.8c |
| 11 | Ml | eP | 16 | 22 | 15.4 |
| 11 | Ch | eP | 16 | 58 | 28 |
| | Kr | eP | 17 | 02 | 11.0 |
| 11 | Ml | eP | 18 | 47 | 20.0 |
| | | iS | | 48 | 58.4 |
| | Kr | eP | | | 07.0 |
| 11 | Ml | eP | 22 | 56 | 31.1 |
| | | iS | | 57 | 21.0 |
| 12 | Ch | eP | 03 | 00 | 28 |
| 12 | Ml | eP | 08 | 33 | 17.5 |
| | | eS | | 34 | 36.8 |
| | Wr | iP | | 33 | 27.5c |
| 12 | Kr | eP | 14 | 39 | 57.2 |
| 12 | Wr | eP | 16 | 54 | 04.1 |
| | | eS | | | 42.8 |
| | Ml | eP | | | 28.4 |
| | | iS | | 55 | 17.5 |
| Qt | | iP | | | 06.0c |
| | | eS | | 56 | 27.2 |

H = 16 : 53 : 16
36°.8N, 70°.8E
H I N D U K U S H
Depth about 220 Km.

| | | | | | |
|---|---|---|---|---|---|
| 12 | Wr | eP | 17 | 38 | 33.4 |
| | | eS | | 39 | 08.0 |
| | Ml | eP | | 38 | 55.0 |
| | | eS | | 39 | 44.6 |
| Qt | | eP | | | 35.1 |
| | | eS | | 41 | 02.0 |

H = 17 : 37 : 50
36°.4N, 71°.1E
H I N D U K U S H
Depth about 220 Kms.

| | | | | | |
|---|---|---|---|---|---|
| 13 | Kr | eP | 07 | 33 | 44.5 |
| 13 | Ml | eP | 13 | 04 | 46.0 |
| 13 | Kr | eP | 16 | 26 | 27.6 |
| 13 | Wr | iP | 17 | 37 | 09.3d |
| 13 | Wr | eP | 19 | 11 | 01.3 |
| 13 | Kr | eP | 19 | 27 | 58.2 |
| | Ch | eP | | 31 | 08 |
| 14 | Ml | eP | 07 | 02 | 16.4 |
| | Kr | eP | | 03 | 23.2 |

| March, 1967 | | | | | |
|---|---|---|---|---|---|
| 14 | Ml | iP | 14 | 36 | 20 |
| | Kr | eP | | 37 | 53.7 |
| | | eS | | 40 | 02.7 |
| 14 | Wr | eP | 18 | 28 | 20.7 |
| 15 | Kr | eP | 17 | 58 | 03.0 |

Continuation:

| March, 1967 | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 02 | 47 | 39.3 |
| 16 | Qt | eP | 11 | 47 | 18.2 |
| 16 | Wr | P | 12 | 18 | 23 |
| | Qt | eP | | | 59.3 |
| 16 | Qt | eP | 12 | 28 | 08.5 |
| 16 | Qt | eP | 14 | 51 | 00.1 |
| | Wr | P | | | 40 |
| 16 | Qt | eP | 16 | 06 | 05.1 |
| 16 | Wr | P | 17 | 41 | 25 |
| | Qt | eP | | 42 | 07 |
| | | ONSET POOR | | | |
| 16 | Qt | eP | 18 | 11 | 09.8d |
| 16 | Wr | P | 20 | 24 | 55 |
| | | S | | 25 | 26 |
| | Qt | eP | | | 52.4 |
| | | iS | | 27 | 10.2 |
| 16 | Qt | eP | 21 | 37 | 04.5d |
| 16 | Qt | eP | 23 | 20 | 03.4d |
| 17 | Qt | eP | 01 | 43 | 29.2 |
| 17 | Wr | P | 03 | 29 | 14 |
| | | S | | | 56 |
| | Qt | eP | | 30 | 33.8 |
| | | iS | | 31 | 52.4 |
| 17 | Qt | eP | 05 | 11 | 22.7 |
| 17 | Qt | eP | 07 | 53 | 57.4 |
| 17 | Wr | P | 11 | 37 | 12 |
| | Qt | eP | | | 28.2d |
| | | eS | | 48 | 00.1 |
| 17 | Wr | P | 14 | 01 | 09 |
| | Qt | iP | | | 25.4d |
| 17 | Qt | eP | 16 | 48 | 24.7 |
| 17 | Qt | eP | 19 | 30 | 11.2 |
| 17 | Qt | eP | 21 | 12 | 13.1 |
| 18 | Qt | eP | 01 | 31 | 08.1 |
| 18 | Qt | eP | 10 | 23 | 09.2 |
| 18 | Qt | eP | 14 | 43 | 00.6 |
| 18 | Qt | eP | 17 | 36 | 27.7 |
| 18 | Qt | eP | 18 | 52 | 04.4 |
| | | eS | | 53 | 35.3 |
| 18 | Qt | iP | 19 | 27 | 56.5d |
| 18 | Qt | eP | 21 | 26 | 41.2 |

| March, 1967 | | | | | |
|---|---|---|---|---|---|
| 19 | Qt | iP | 01 | 21 | 56.5c |
| | | eS | | 30 | 55.4 |
| 19 | Qt | eP | 03 | 03 | 49.4d |
| 19 | Ch | P | 04 | 10 | 57 |
| | | S | | 18 | 28 |
| | Qt | eP | | 12 | 17 |
| | | eS | | 21 | 01.4 |
| | Kr | P | | 12 | 41 |
| | | S | | 21 | 44 |
| 19 | Qt | iP | 06 | 04 | 03.9c |
| 19 | Ch | P | 09 | 19 | 16 |
| | | S | | 25 | 59 |
| | Qt | eP | | 23 | 14.9 |
| 19 | Qt | eP | 11 | 15 | 42.2d |
| 19 | Qt | eP | 14 | 23 | 06.1 |
| | | eS | | 24 | 24.7 |
| 19 | Qt | eP | 15 | 26 | 51.2 |
| 19 | Kr | P | 17 | 17 | 16 |
| | | S | | | 55 |
| | Qt | eP | | | 46.0 |
| | | iS | | 18 | 32.2 |
| 19 | Qt | eP | 17 | 37 | 18.3 |
| 19 | Qt | eP | 22 | 01 | 36.3 |
| 20 | Qt | eP | 05 | 26 | 36.7c |
| 20 | Qt | eP | 09 | 00 | 14.1 |
| 20 | Qt | eP | 11 | 59 | 58.6c |
| 20 | Ch | P | 13 | 40 | 52 |
| | | S | | 48 | 35 |
| | Wr | P | | 41 | 38 |
| | Qt | iP | | 42 | 14.6c |
| | | eS | | 51 | 20.2 |
| 20 | Ch | P | 14 | 01 | 24 |
| | | S | | 09 | 07 |
| | Wr | P | | 02 | 12 |
| | Qt | iP | | 03 | 47.9c |
| | | eS | | 11 | 31.2 |
| 20 | Qt | eP | 14 | 55 | 00.1c |
| 20 | Wr | P | 17 | 21 | 41 |
| | Qt | eP | | 22 | 17.6c |
| 20 | Qt | eP | 19 | 39 | 45.4 |
| 20 | Qt | eP | 21 | 04 | 13.7 |
| 20 | Qt | iP | 22 | 04 | 48.9c |
| 20 | Qt | eP | 22 | 23 | 06.6 |
| 20 | Qt | iP | 22 | 35 | 17.7d |
| | | eS | | 39 | 06.0 |
| 21 | Qt | eP | 00 | 25 | 04.4 |
| 21 | Qt | eP | 05 | 12 | 38.2 |
| 21 | Qt | eP | 11 | 43 | 44.4 |
| 21 | Qt | eP | 18 | 30 | 20.7 |

March, 1967

| | | | | | |
|---|---|---|---|---|---|
| 21 | Qt | eP | 22 | 55 | 44.7 |
| | | iS | | 57 | 02.0 |
| 22 | Qt | eP | 05 | 24 | 48.4 |
| 22 | Qt | iP | 05 | 51 | 14.4d |
| 22 | Qt | eP | 06 | 10 | 10.2 |
| 22 | Qt | eP | 13 | 12 | 49;4 |
| 22 | Qt | eP | 22 | 40 | 34.3 |
| | | eS | | 41 | 56.2 |

March, 1967

| | | | | | |
|---|---|---|---|---|---|
| 22 | Qt | eP | 23 | 43 | 11.7 |
| | | eS | | 44 | 31.2 |
| 23 | Qt | eP | 01 | 53 | 24.2d |
| 23 | Qt | eP | 05 | 30 | 07.2d |
| | | eS | | 35 | 28.2 |

March, 1967

| | | | | | |
|---|---|---|---|---|---|
| 23 | Wr | P | 13 | 52 | 03 |
| | Qt | eP | | | 39.8d |
| 23 | Qt | eP | 14 | 27 | 45.8 |
| 23 | Wr | P | 15 | 09 | 06 |
| | Qt | eP | | | 06.6 |
| 23 | Qt | eP | 18 | 24 | 19.2 |

International Seismological Centre

(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**

International Seismological Centre

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

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

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

Provisional Readings at Seismological Stations from 24th to 31st March, 1967.

Additional

| | | | | | |
|---|---|---|---|---|---|
| March, 1967 | | | | | |
| 16 | Wr | eP | 16 | 06 | 44.0 |
| 17 | Kr | eP | 11 | 37 | 30.9 |
| 18 | Wr | eP | 17 | 59 | 13.0 |
| | Kr | eP | 18 | 00 | 08.9 |
| 18 | Wr | eP | 18 | 50 | 57.1 |
| | | eS | | 51 | 38.8 |
| 18 | Wr | iP | 19 | 27 | 40.3 |
| | Kr | eP | | | 50.7 |
| 18 | Kr | eP | 20 | 21 | 31.3 |
| 18 | Kr | eP | 21 | 26 | 27.3 |
| 19 | Ch | eP | 01 | 19 | 16 |
| | Ml | eP | | 21 | 30.6 |
| | | iS | | 30 | 09.0 |
| | Wr | iP | | 21 | 44.2c |
| | Kr | eP | | | 45.3 |
| 19 | Ml | eP | 04 | 11 | 37.6 |
| | Wr | iP | | | 41.1d |
| | | iS | | 19 | 55.3 |
| 19 | Wr | iP | 06 | 03 | 40.5 |
| 19 | Wr | eP | 21 | 10 | 24.5 |
| | Ml | eP | | | 32.8 |
| 20 | Ml | eP | 13 | 41 | 33.1 |
| | Kr | eP | | 42 | 34.3 |
| 20 | Kr | eP | 14 | 03 | 08.3 |
| 20 | Ml | eP | 15 | 37 | 05.7 |
| | | iS | | | 55.1 |
| 20 | Ch | eP | 17 | 20 | 54 |
| 21 | Wr | iP | 08 | 02 | 29.4d |
| 21 | Wr | eP | 18 | 30 | 31.5 |
| 22 | Wr | eP | 04 | 25 | 44.4 |
| 22 | Wr | eP | 13 | 12 | 37.7 |
| 22 | Wr | eP | 22 | 39 | 35.2 |
| | | eS | | 40 | 09.2 |
| | Ml | iP | | 39 | 54.7c |
| | | iS | | 40 | 42.6 |
| Qt | | eP | | | 39.3 |
| | | eS | | 41 | 56.4 |

H = 22 : 38 : 53
36°.5N, 71°.2E
H I N D U K U S H
Depth about 200 Km.

| | | | | | |
|---|---|---|---|---|---|
| March, 1967 | | | | | |
| 22 | Wr | eP | 23 | 42 | 09.4 |
| | | eS | | | 36.9 |
| | Ml | iP | | | 28.5c |
| | | iS | | 43 | 42.0 |
| | Qt | eP | | | 11.7 |
| | | eS | | 44 | 31.2 |

H = 23 : 41 : 30
36°.0N, 71°.3E
H I N D U K U S H
Depth about 220 Km.

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 01 | 16 | 48.6 |
| 24 | Qt | eP | 01 | 34 | 05.6d |
| 24 | Qt | eP | 01 | 59 | 19.7 |
| 24 | Wr | P | 02 | 04 | 19 |
| | Qt | eP | | 03 | 35.3 |
| | | eS | | 08 | 49.6 |
| 24 | Qt | eP | 04 | 21 | 53.3 |
| 24 | Qt | eP | 06 | 43 | 56.8 |
| 24 | Qt | eP | 07 | 07 | 02.0 |
| 24 | Wr | P | 08 | 20 | 10 |
| | | S | | | 39. |
| | Ml | P | | | 31 |
| | | S | | 21 | 15 |
| | Qt | iP | | | 14.6c |
| | | iS | 22 | 22 | 33.3 |

| | Sec | Mu |
|---|---|---|
| Ps | 0.7 | .01 |

△ = 7°.1

H = 08 : 19 : 33
36°.2N, 71°.2E
H I N D U K U S H
Depth about 200 Km.
Mag: 4.2(Qt)

| | | | | | | |
|---|---|---|---|---|---|---|
| 24 | Ml | P | 09 | 08 | 45 | |
| * | Kr | P | | | 47 | * |
| | Qt | iP | | 09 | 06.0d | 00 |
| | | iX | | 11 | 01.8 | |
| 24 | Qt | eP | 10 | 06 | 16.1 | |
| 24 | Wr | P | 11 | 12 | 06 | 09 |
| | Ml | P | | | 39 | |
| | Qt | eP | | | 59.8 | |
| | | eS | | 14 | 40.2 | P |

| | Sec | Mu | |
|---|---|---|---|
| Ps | 0.7 | .01 | Wr * |

△ = 6.0

March, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 11 | 56 | 55.5d |
| 24 | Qt | eP | 12 | 40 | 26.7 |
| | Kr | P | | | 56 |
| 24 | Qt | eP | 18 | 40 | 01.6 |
| 24 | Qt | eP | 19 | 28 | 16.2 |
| 24 | Qt | eP | 23 | 17 | 27.7 |
| 25 | Qt | eP | 03 | 47 | 32.2c |
| | | eS | | 49 | 18.2 |
| 25 | Qt | eP | 04 | 13 | 09.8 |
| | | iS | | 14 | 23.2 |
| 25 | Qt | eP | 06 | 02 | 48.2c |
| 25 | Qt | iP | 07 | 43 | 52.8d |
| 25 | Qt | eP | 22 | 27 | 56.4c |
| 25 | Wr | P | 22 | 58 | 06 |
| | Qt | eP | | | 39.3c |
| | | eS | 23 | 07 | 25.4 |
| 26 | Qt | eP | 00 | 44 | 33.2 |
| 26 | Qt | iP | 03 | 09 | 14.5c |
| | | iS | | | 46.7 |
| | Wr | P | | 10 | 19 |
| | | S | | 11 | 47 |
| 26 | Qt | eP | 07 | 56 | 52.4 |
| 26 | Qt | eP | 10 | 41 | 00.2 |
| 26 | Qt | eP | 10 | 43 | 24.7 |
| | | iS | | 44 | 04.6 |
| | Wr | P | | 43 | 47 |
| 26 | Wr | P | 11 | 27 | 05 |
| | | S | | | 48 |
| | Qt | eP | | 28 | 10.1 |
| | | eS | | 29 | 45.3 |
| 26 | Qt | eP | 15 | 31 | 56.8 |
| 26 | Qt | iP | 16 | 31 | 52.3d |
| 26 | Wr | P | 17 | 10 | 20 |
| | Qt | eP | | | 39.1c |
| 26 | Qt | eP | 17 | 28 | 19.0 |
| | Wr | P | | 29 | 33 |
| 26 | Qt | eP | 18 | 55 | 36.1 |
| 26 | Qt | eP | 20 | 42 | 19.0d |
| 26 | Wr | P | 22 | 39 | 39 |
| | | S | | 40 | 20 |
| | Qt | eP | | | 35.2 |
| | | eS | | 42 | 07.0 |
| 26 | Wr | P | 22 | 51 | 36 |
| | Qt | eP | | | 50.2 |
| 26 | Qt | eP | 22 | 54 | 34.9d |
| 27 | Wr | P | 08 | 13 | 19 |
| | Qt | eP | | 14 | 07.1d |
| | | eS | | 17 | 36.2 |
| 27 | Wr | P | 08 | 44 | 44 |
| | Qt | eP | | | 50.3 |
| 27 | Wr | P | 09 | 05 | 26 |
| | Qt | eP | | 06 | 06.7d |
| 27 | Qt | eP | 10 | 19 | 40.2 |
| 27 | Qt | eP | 14 | 35 | 46.3 |
| 27 | Wr | P | 15 | 15 | 38 |
| | Qt | eP | | 16 | 43.3c |
| | | eS | | 18 | 12.6 |
| 27 | Qt | eP | 18 | 29 | 42.8d |
| 27 | Qt | eP | 19 | 59 | 29.2c |
| | Wr | P | | 20 | 00 11 |
| 28 | Wr | P | 00 | 31 | 28 |
| | | S | | 32 | 01 |
| | Qt | eP | | | 28.2c |
| | | iS | | 33 | 50.2 |

March, 1967

| | | | | | |
|---|---|---|---|---|---|
| 28 | Qt | eP | 01 | 51 | 06.1 |
| 28 | Qt | eP | 02 | 45 | 13.1c |
| 28 | Qt | eP | 05 | 20 | 41.7 |
| 28 | Qt | eP | 14 | 53 | 23.2 |
| 28 | Qt | eP | 15 | 48 | 10.6 |
| 28 | Wr | P | 18 | 58 | 48 |
| | Qt | eP | | 59 | 50.3 |
| 28 | Wr | P | 19 | 41 | 06 |
| | Qt | iP | | | 31.7c |
| 28 | Qt | eP | 21 | 32 | 13.5d |
| 28 | Qt | eP | 23 | 59 | 48.4d |
| 29 | Qt | eP | 01 | 16 | 03.5 |
| 29 | Qt | eP | 06 | 00 | 02.6 |
| 29 | Qt | eP | 06 | 42 | 33.4 |
| 29 | Wr | P | 06 | 58 | 39 |
| | Qt | eP | | 59 | 11.8 |
| 29 | Qt | eP | 09 | 38 | 43.1 |
| | Wr | P | | 39 | 16 |
| 29 | Qt | eP | 10 | 45 | 21.1d |
| 29 | Qt | eP | 12 | 38 | 34.3 |
| | | eS | | 39 | 31.2 |
| | Wr | P | | | 01 |
| 29 | Wr | P | 16 | 07 | 36 |
| | | S | | 08 | 42 |
| | Qt | eP | | | 07.5 |
| 29 | Qt | eP | 17 | 02 | 15.1d |
| 29 | Qt | eP | 20 | 53 | 57.2 |
| 29 | Qt | eP | 23 | 53 | 13.2 |
| 30 | Ch | P | 02 | 15 | 42 |
| | | S | | 21 | 47 |
| | Lh | P | | 17 | 52 |
| | | S | | 25 | 44 |
| | Ml | P | | 18 | 15 |
| | Wr | P | | | 17 |
| | | S | | 26 | 32 |
| | Qt | iP | | 18 | 21.6d |
| | | eS | | 26 | 40.4 |

| | Sec | Mu |
|---|---|---|
| PZ | 1.0 | 0.11 |

△ = 61°.6
Mag = 6.0(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 30 | Qt | eP | 02 | 47 | 22.2 |
| 30 | Qt | eP | 07 | 44 | 01.5 |
| 30 | Qt | eP | 10 | 36 | 00.2 |
| 30 | Wr | P | 13 | 10 | 29 |
| | Ml | P | | | 51 |
| | | S | | 11 | 35 |
| | Qt | eP | | | 30.2 |
| | | iS | | 12 | 48.4 |

| | Sec | Mu |
|---|---|---|
| PZ | 0.7 | .01 |

△ = 6°.9
H = 13 : 09 : 50
35°.9N, 71°.2E
H I N D U K U S H
depth about 220 km.
Mag: 4.2(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 30 | Qt | eP | 21 | 02 | 30.6d |
| | | iS | | | 57.5 |
| | Wr | P | | 03 | 39 |
| 30 | Qt | eP | 22 | 10 | 57.6 |
| | | eS | | 12 | 24.8 |

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| March, 1967 | | | | | |
|---|---|---|---|---|---|
| 30 | Qt | eP | 23 | 23 | 34.3 |
| 31 | Qt | eP | 00 | 45 | 19.2 |
| 31 | Qt | iP | 02 | 24 | 48.8c |
| 31 | Qt | eP | 02 | 47 | 04.7 |
| 31 | Kr | P | 04 | 41 | 33 |
| | Qt | iP | | | 55.8c |
| 31 | Qt | eP | 06 | 54 | 52.2 |

| March, 1967 | | | | | |
|---|---|---|---|---|---|
| 31 | Qt | eP | 07 | 47 | 38.7 |
| | | iS | | 48 | 44.4 |
| 31 | Qt | eP | 09 | 27 | 23.2c |
| 31 | Qt | eP | 10 | 55 | 52.3 |
| 31 | Qt | eP | 18 | 48 | 00.1 |
| 31 | Wr | P | 20 | 11 | 45 |
| | | S | | 12 | 26 |
| | Qt | eP | | | 57.5 |
| | | iS | | 14 | 16 |
| 31 | Qt | eP | 20 | 23 | 32.2 |

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

.....

Continuation
March' 1967

| | | | | | |
|---|---|---|---|---|---|
| 1. | Lh | P | 04 | 10 | 10 |
| | | S | | | 39 |
| | Qt | eP | | 11 | 25.2d |
| | | eS | | 12 | 52.5 |
| 1 | Qt | eP | 05 | 13 | 48.6 |
| 1 | Qt | eP | 07 | 16 | 01.3e |
| 1 | Qt | eP | 10 | 14 | 59.8e |
| | | eS | | 16 | 58.4 |
| 1 | Qt | iP | 14 | 34 | 50.1d |
| 1 | Qt | eP | 18 | 49 | 44.6 |
| 1 | Qt | eP | 22 | 28 | 39.7e |
| 2 | Qt | eP | 00 | 36 | 47.2 |
| | | Sx | | 38 | 10.3 |
| 2 | Qt | iP | 03 | 06 | 40.3d |
| 2 | Qt | iP | 07 | 20 | 37.6e |
| | | eS | | 21 | 58.4 |
| 2 | Qt | eP | 07 | 57 | 48.2 |
| | | eS | 08 | 00 | 22.2 |
| 2 | Qt | eP | 08 | 27 | 46.2e |
| 2 | Wr | P | 09 | 53 | 35 |
| | | S | | 54 | 59 |
| | Qt | eP | | | 36.6 |
| | | eS | | 56 | 43.1 |
| 2 | Qt | eP | 11 | 34 | 01.8 |
| 2 | Qt | eP | 11 | 42 | 00.2 |
| 2 | Qt | eP | 11 | 51 | 04.1 |
| | | eS | | 54 | 11.8 |
| 2 | Qt | eP | 12 | 04 | 21.8 |
| 2 | Qt | eP | 13 | 28 | 34.9 |
| 2 | Qt | iP | 15 | 28 | 33.9e |
| 2 | Qt | eP | 15 | 57 | 52.4 |
| | | eS | | 59 | 10.4 |
| 2 | Qt | eP | 17 | 47 | 42.9 |
| | | eS | | 49 | 38.8 |
| 2 | Qt | eP | 17 | 58 | 32.2 |
| | | eS | | 59 | 56.2 |
| 2 | Qt | eP | 20 | 58 | 42.8e |
| 2 | Qt | eP | 23 | 14 | 39.1 |
| 3 | Qt | eP | 02 | 13 | 11.2 |
| 3 | Qt | eP | 03 | 48 | 17.2 |
| 3 | Qt | iP | 05 | 5[illegible] | 50.4e |
| 3 | Qt | eP | 07 | 39 | 53.3 |
| 3 | Qt | eP | 08 | 53 | 38.2 |
| | | eS | | 55 | 20.8 |
| 3 | Qt | eP | 09 | 03 | 38.1 |
| 3 | Qt | iP | 09 | 26 | 40.5d |
| | | iS | | 27 | 58.3 |
| 3 | Qt | eP | 09 | 33 | 16.3 |
| 3 | Qt | eP | 10 | 14 | 38.1 |
| 3 | Qt | eP | 10 | 14 | 38.1 |
| 3 | Qt | eP | 15 | 10 | 16.8 |
| 3 | Qt | eP | 16 | 10 | 45.0 |
| | | eS | | 31 | 32.8 |
| 3 | Qt | eP | 19 | 10 | 09.5 |
| 3 | Qt | eP | 21 | 30 | 19.6e |
| | | eS | | 31 | 39.8 |
| 4 | Qt | eP | 01 | 06 | 09.3 |
| 4 | Qt | eP | 01 | 21 | 11.4 |
| 4 | Wr | P | 05 | 17 | 37 |
| | Qt | iP | | 18 | 0[illegible].9e |
| | | iS | | 25 | 57.6 |
| 4 | Qt | eP | 06 | 34 | 54.4 |
| | | eS | | 43 | 14.1 |
| 4 | Qt | eP | 06 | 44 | 48.3 |
| x | xx | eR | | | |

March' 1967

| | | | | | |
|---|---|---|---|---|---|
| 4 | Wr | P | | 10 | 5[illegible] |
| | Qt | eP | | | 5[illegible] |
| | | eS | | | 57 |
| 4 | Qt | eP | | 12 | 00 |
| | | eS | | | 01 |
| 4 | Wr | P | | 14 | 19 |
| | | S | | | 20 |
| | Qt | eP | | 14 | 20 |
| | | iS | | | 21 |
| 4 | Qt | eP | | 15 | 12 |
| 4 | Qt | eP | | 18 | 05 |
| | | iS | | | 10 |
| | Wr | P | | | 05 |
| | Lh | P | | | |
| | | S | | | 12 |
| | | P | | | 08 |
| | | S | | | 16 |
| 4 | Wr | P | | 22 | 52 |
| | Qt | eP | | | 53 |
| 5 | Qt | eP | | 04 | 49 |
| | | iS | | | 50 |
| 5 | Qt | eP | | 09 | 38 |
| | | eS | | | 40 |
| 5 | Qt | eP | | 09 | 42 |
| 5 | Qt | eP | | 10 | 04 |
| 5 | Qt | eP | | 17 | 30 |
| | | eS | | | 31 |
| 5 | Qt | eP | | 19 | 29 |
| 5 | Qt | eP | | 22 | 03 |
| 6 | Wr | P | | 01 | 36 |
| | Lh | P | | | |
| | Qt | eP | | | 38 |
| | | e(S) | | | 39 |
| 6 | Qt | iP | | 02 | 52 |
| 6 | Qh | P | | 04 | 47 |
| | | S | | | 53 |
| | Wr | P | | | 49 |
| | | S | | | 56 |
| | Qt | iP | | | 49 |
| | | eS | | | 57 |
| 6 | Qt | eP | | 05 | 09 |
| 6 | Qt | iP | | 05 | 21 |
| 6 | Qt | eP | | 05 | 23 |
| 6 | Qt | eP | | 08 | 09 |
| | | en entpoor | | | |
| 6 | Qt | iP | | 08 | 30 |
| 6 | Wr | P | | 11 | 36 |
| | | S | | | 41 |
| | Qt | iP | | | 36 |
| | | eS | | | 41 |
| 6 | Qt | eP | | 11 | 49 |
| 6 | Wr | P | | 14 | 37 |
| | Qt | eP | | | 38 |
| | | eS | | | 40 |
| 6 | Qt | eP | | 16 | 36 |
| | | iS | | | 37 |
| 6 | Qt | eP | | 20 | 06 |
| 6 | Wr | P | | 20 | 46 |
| | Qt | eP | | | 47 |
| 6 | Qt | eP | | 20 | 49 |
| | | eS | | | 51 |
| 6 | Qt | eP | | 21 | 02 |
| 6 | Qt | eP | | 23 | 16 |
| 6 | Qt | eP | | 23 | 33 |
| | | eS | | | 34 |

cont...3/-

International Seismological Centre

March' 1967

| | | | | | |
|---|---|---|---|---|---|
| 7 | Qt | eP | 11 | 48 | 48.3 |
| 7 | Qt | eP | 13 | 57 | 33.2 |
| 7 | Qt | iP | 16 | 30 | 18.2e |
| | | eS | | 39 | 26.2 |
| 7 | Wr | P | 19 | 15 | 27 |
| | | S | | 16 | 24 |
| | Qt | eP | | 15 | 20.7 |
| | | iS | | 17 | 14.1 |
| 7 | Qt | eP | 20 | 31 | 45.3 |
| | | eS | | 33 | 21.1 |

March' 1967.

| | | | | | |
|---|---|---|---|---|---|
| 8 | Qt | eP | 10 | 15 | 17.5 |
| | | eS | | 17 | 26.3 |
| 8 | Qt | eP | 11 | 38 | 40.7 |
| 8 | Qt | eP | 14 | 37 | 15.0 |
| 8 | Qt | e P | 18 | 47 | 36.3 |
| 8 | Qt | e P | 19 | 50 | 06 |
| | | on set poor | | | |

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

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

PAKISTAN

No.SS-9(2)/63/ 3721 Quetta, the 12 May 1967.

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

Provisional Readings at Seismological Stations from 24th to 30th April, 1967

Additional

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Ml | eP | 03 | 18 | 14.3 |
| 17 | Wr | eP | 20 | 24 | 45.7 |
| 17 | Wr | eP | 21 | 31 | 29.6 |
| | | eS | | 32 | 03.0 |
| 18 | Ml | eP | 17 | 32 | 28.0 |
| 19 | Wr | P | 09 | 40 | 31. |
| | | S | | 41 | 01 |
| | Ml | eP | | 40 | 52.3 |
| | | iS | | 41 | 30.8 |
| | Qt | eP | | | 35.8 |
| | | eS | | 42 | 56.6 |

H = 09 : 39 : 52
36°.4N, 71°.2E
H I N D U K U S H
Depth about 160 Km.

| | | | | | |
|---|---|---|---|---|---|
| 20 | Wr | eP | 04 | 11 | 47.9 |
| | Ml | iP | | | 56.1c |
| 21 | Ml | eP | 04 | 49 | 31.5 |
| | Wr | eP | | 50 | 05.6 |
| | | eS | | | 41.4 |
| | Qt | eP | | | 55.3 |
| | | eS | | 52 | 12.2 |

H = 04 : 49 : 15
32°.2N, 74°.3E
About 40 miles North of Lahore
Near Gujranwala

| | | | | | |
|---|---|---|---|---|---|
| 21 | Ch | iP | 03 | 22 | 35d |
| | Ml | eP | | 24 | 52.0 |
| | Kr | eP | | 25 | 04.3 |
| | Wr | eP | | | 05.8 |
| 21 | Kr | eP | 08 | 54 | 01.6 |
| 21 | Ch | eP | 16 | 32 | 44 |
| 22 | Wr | eP | 03 | 00 | 56.5 |
| 22 | Lh | eP | 08 | 47 | 45 |
| | Kr | eP | | 48 | 04.2 |
| | Wr | eP | | | 05.8c |
| 22 | Ch | eP | 12 | 02 | 35 |
| 22 | Ch | iP | 13 | 11 | 45d |
| | Ml | iP | | 14 | 27.8d |
| | Kr | eP | | | 30.3 |

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 22 | Ml | iP | 15 | 30 | 49.0c |
| 22 | Wr | eP | 17 | 37 | 28 ± |
| 22 | Ch | eP | 19 | 50 | 27 |
| | Wr | eP | | 52 | 52.9 |
| 23 | Wr | iP | 10 | 35 | 59.3d |
| | | iS | | 36 | 10.8 |
| | Ml | eP | | | 36.0 |
| | | eS | | 37 | 12,5 |
| | Qt | eP | | | 13.1 |
| | | eS | | 38 | 20.2 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.01 | 0.7 |

△ = 5°.9

H = 10 : 35 : 45
34°.8N, 71°.2E
PAKISTAN-AFGHANISTAN BORDER
DEPTH ABOUT 33 Km.
Mag: 4.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 23 | Ch | eP | 15 | 06 | 32 |
| 23 | Lh | eP | 18 | 03 | 45 |

Continuation:

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | P | 08 | 52 | 06 |
| | Ml | P | | | 20 |
| | Lh | P | | | 41 |
| | | S | | 53 | 45 |
| | Qt | eP | | | 14.8 |
| | | eS | | 54 | 51.0 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.07 | 0.8 |

△ = 8.8°

H = 08 : 51 : 10
37°.5N, 72°.5E
Tadzik. S.S.R.
Depth about 160 Km.
Mag : 5.0(Qt)

Ch P 08 56 09

....2

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | _t | eP | 11 | 54 | 21.6 |
| | Jr | P | | | 47 |
| 24 | _t | eP | 15 | 18 | 06.2 |
| 24 | _t | iP | 15 | 21 | 10.2d |
| 24 | _t | eP | 16 | 38 | 39.9 |
| 24 | _t | eP | 17 | 23 | 32.2 |
| 24 | _t | eP | 18 | 33 | 03.0c |
| 24 | _t | eP | 19 | 04 | 55.2 |
| 25 | _t | eP | 00 | 26 | 38.4 |
| 25 | _t | eP | 03 | 56 | 28 |
| | | | ONSET POOR | | |
| 25 | _t | eP | 06 | 36 | 06.7 |
| 25 | _t | eP | 07 | 17 | 57.9c |
| 25 | Jr | P | 10 | 3 | 10 |
| | _t | iP | | 35 | 17.7 |
| | | eS | | 39 | 06.2 |

Lu 30c

$\Delta$ = 21.4° 20

Oh P 10 35 2
Lag : 5. (_t)

| | | | | | |
|---|---|---|---|---|---|
| 25 | _t | eP | 10 | 55 | 41.4 |
| | Jr | P | | | 53 |
| 25 | _t | eP | 12 | 1 | 07.2 |
| 25 | Jr | P | 13 | 9 | 10 |
| | | S | | 51 | 12 |
| | _t | eP | | 49 | 57.4 |
| | | eS | | 51 | 01.6 |
| 25 | _t | iP | 15 | 13 | 01.2d |
| 25 | _t | eP | 18 | 43 | 27.3 |
| 25 | _t | eP | 19 | 20 | 40.8 |
| 25 | _t | eP | 21 | 52 | 3.5 |
| 26 | Jr | P | 05 | 10 | 28 |
| | | S | | | 53 |
| | _t | eP | | 01 | 27.2 |
| | | iS | | 02 | 10.3 |
| 26 | _t | eP | 10 | 37 | 23 |
| | | ONSET POOR | | | |
| | | eS) | | 38 | 26.2 |
| 26 | _t | eP | 13 | 19 | 50.5d |
| | | eS | | 21 | 55.1 |

Lu 30c

MI 2. 20

$\Delta$ = 38°.8

Jr P 13 15 7
Lag : 5.5(_t)

| | | | | | |
|---|---|---|---|---|---|
| 26 | _t | eP | 15 | 33 | 07.5 |
| 27 | _t | eP | 01 | 08 | 50.5 |
| 27 | _t | eP | 08 | 18 | 35.9 |
| 27 | Jr | P | 08 | 21 | 12 |
| | _t | eP | | | 30.3c |
| | | eS | | 31 | 17.7 |
| 27 | _t | eP | | | 44.9 |

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 27 | _t | eP | 2 | 40 | 55.5 |
| | | eS | | 51 | 35.2 |
| 27 | Jr | P | 23 | 18 | 02 |
| | | S | | 20 | 30 |
| | _t | eP | | 19 | 22.4 |
| | | iS | | 22 | 17.7 |
| 28 | _t | eP | 2 | 30 | 10.7c |
| 28 | _t | eP | 07 | 12 | 31.5d |
| 28 | _t | eP | 1 | 2 | 43.8d |
| 28 | _t | eP | 16 | 41 | 13.5 |
| 28 | _t | iP | 19 | 40 | 30.6d |
| | | eS | | 42 | 04.0 |
| 29 | _t | eP | 00 | 10 | 21.6 |
| 29 | Jr | P | 04 | 06 | 07 |
| | | S | | 16 | 11 |
| | _t | iP | | 07 | 29.0c |
| | | eS | | 17 | 37.4 |

Lu Sec

ML 5.1 20
$\Sigma$ = 57.7°
Lag : 6.1(_t)

| | | | | | |
|---|---|---|---|---|---|
| 27 | _t | eP | 04 | 36 | 55.6 |
| 28 | Jr | P | 04 | 54 | 35 |
| | _t | eP | | 50 | 42.8 |
| | | eS | 05 | 01 | 50.5 |
| 29 | _t | eP | 07 | 20 | 18.7 |
| 29 | _t | eP | 07 | 32 | 50.5 |
| 29 | Jr | . | 10 | 22 | 40 |
| | | S | | 23 | 13 |
| | _t | eP | | | 41.0c |
| | | iS | | 25 | 02.8 |
| 29 | _t | iP | 10 | 37 | 26.2c |
| 29 | _t | eP | 10 | 50 | 27 |
| | | ONSET POOR | | | |
| | | e(S)11 | | 00 | 23. |
| 29 | _t | iP | 12 | 37 | 42.7c |
| 29 | _t | eP | 17 | 13 | 22.5 |
| 29 | _t | eP | 22 | 12 | 10.6 |
| 29 | _t | eP | 22 | 20 | 33.5d |
| 29 | _t | eP | 22 | 40 | 26 |
| | | ONSET POOR | | | |
| 29 | _t | eP | 22 | 47 | 46.3 |
| | | iS | | 51 | 10.6 |
| 29 | Jr | P | 23 | 52 | 15 |
| | _t | eP | | | 30.4 |
| | | e(S) | | 56 | 56.5 |
| 30 | _t | eP | 1 | 10 | 41.0 |
| 30 | _t | eP | 3 | 32 | 17.1 |
| 30 | _t | eP | 11 | 00 | 33.0 |
| 30 | Jr | . | 17 | 10 | 26 |
| | _t | iP | | | 42.7c |
| | | iS | | 20 | 22.6 |
| 30 | _t | eP | 17 | 41 | 48.5 |
| 30 | _t | eP | 1 | 00 | 05.7c |
| 3. | _t | eP | 13 | 1 | 42.4 |

(E.U.94 (1)i)

13 JUN 1967

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

PAKISTAN

No.85-9(2)/63/ 407 Quetta, the 5th June, 1967.

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

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

Provisional Readings at Seismological Stations from 1st May to 8th May, 1967.

Additional

April, 1967.

| | | | | | |
|---|---|---|---|---|---|
| 24 | Kr | eP | 08 | 54 | 18.1 |
| 24 | Wr | eP | 15 | 19 | 02.6 |
| 24 | Wr | eP | 18 | 32 | 50.4 |
| 25 | Ml | eP | 10 | 34 | 04.0 |
| | Kr | eP | | 36 | 09.2 |
| 25 | Lh | eP | 10 | 56 | 00 |
| | Ml | iP | | | 08.0e |
| 26 | Wr | iP | 05 | 00 | 23.6d |
| | | eS | | | 52.7 |
| | Ml | iP | | | 44.5d |
| | Qt | eP | | 01 | 27.2 |
| | | iS | | 02 | 48.3 |

| | Mu | Sec |
|---|---|---|
| PZ | = .01 | 06 |
| △ | = 79.2 | |

H = 04 : 59 : 44
36°.1N, 71°.3E
HINDUKUSH
Depth about 200 Km.
Mag: 4.2(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 27 | Ml | iP | 23 | 17 | 56.7 |
| | | iS | | 19 | 51.2 |
| | Wr | eP | | 18 | 02.3 |
| | | eS | | 20 | 00.1 |
| | Lh | eP | | 18 | 07 ± |
| | Qt | eP | | 19 | 22.4 |
| | | iS | | 22 | 14.7 |
| | Ch | eP | | 20 | 12 |

H = 23 : 15 : 30
42°.0N, 81°.3E.
Sinkiang province, China.
Depth about 96 km.

| | | | | | |
|---|---|---|---|---|---|
| 28 | Ch | eP | 16 | [illegible] | 16 |
| 29 | Lh | eP | 04 | 07 | 03 |

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 29 | Wr | eP | 04 | 58 | 35 |
| | Ml | eP | | | 39.0 |
| | | iS | | 59 | 52.0 |
| | Lh | eP | | | 00 |
| | Qt | eP | | | 42.8 |
| | | eS | 05 | 01 | 50.5 |

| | Mu | Sec |
|---|---|---|
| PZ | .03 | 0.8 |
| △ | = 11°.4 | |

H = 04 : 57 : 00
39°.6 N, 75°.6 E
Kashgar, China
Depth about 96 km
Mag : 5.0(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 29 | Wr | iP | 10 | 22 | 40.4d |
| | | iS | | 23 | 12.8 |
| | Ml | iP | | 22 | 59.3d |
| | | iS | | 23 | 45.2 |
| | Qt | eP | | | 41.9 |
| | | iS | | 25 | 02.8 |

| | Mu | Sec |
|---|---|---|
| PZ | .01 | 0.6 |
| △ | = 7°.2 | |

H = 10 : 21 : 58
36°.3N, 71°.2E
HINDUKUSH
Depth about 220 km
Mag: 4.2(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 29 | Wr | eP | 22 | 48 | 46.7 |
| | | eS | | 49 | 20.1 |
| | Ml | iP | | 48 | 08.7 |
| | | iS | | | 55.5 |
| | Qt | eP | | 49 | 48.3 |
| | | iS | | 51 | 09.6 |

| | Mu | Sec |
|---|---|---|
| PZ | .01 | 0.5 |
| △ | = 7°.2 | |

H = 22 : 48 : 02
36°.6N, 71°.0E
HINDUKUSH
Depth about 220 km.
Mag : 4.3 (Qt)

April, 1967

| | | | | | |
|---|---|---|---|---|---|
| 30 | Kr | eP | 17 | 10 | 34.2 |
| 30 | Wr | eP | 23 | 18 | 56.2 |

Continuation :
May, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 04 | 12 | 12,7d |
| 1 | Qt | eP | 07 | 16 | 20,7d |
| | | eS | | 22 | 16,1 |

| | Mu | Sec |
|---|---|---|
| MH | 18,1 | 20 |

△ = 38°,5

Lh P 07 17 03

GREECE
Mag : 6.1(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 09 | 57 | 26,4 |
| | | eX | | 59 | 51,2 |
| | Wr | P | | 57 | 42 |
| 1 | Qt | eP | 20 | 54 | 54,9 |
| 1 | Qt | eP | 23 | 51 | 09,4 |
| 2 | Wr | P | 09 | 02 | 15 |
| | | S | | | 46 |
| | Lh | P | | | 54 |
| | | S | | 03 | 58 |
| | Qt | iP | | | 13,4d |
| | | iS | | 04 | 29,2 |

| | Mu | Sec |
|---|---|---|
| Pg | .06 | 0,7 |

△ = 6°.8

H = 09 : 01 : 32
36.2N, 70,7E
H I N D U K U S H
depth about 250 km
Mag : 4.9(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 2 | Qt | eP | 15 | 53 | 08,5 |
| 2 | Wr | P | 17 | 11 | 50 |
| | | S | | | 59 |
| | Qt | eP | | 13 | 04,5 |
| 2 | Wr | P | 17 | 22 | 06 |
| | Qt | eP | | | 22,6e |
| 2 | Qt | eP | 18 | 09 | 33 |
| 2 | Qt | eP | 19 | 36 | 46 |
| 3 | Qt | eP | 18 | 49 | 05 |
| 3 | Qt | eP | 20 | 26 | 38 |
| | | eS | | 27 | 57 |
| 4 | Qt | eP | 00 | 29 | 13.6 |
| 4 | Qt | eP | 09 | 36 | 16 |
| 4 | Wr | P | 10 | 30 | 21 |
| | | S | | | 55 |
| | Qt | eP | | 31 | 18.0 |
| | | iS | | 32 | 36.7 |
| 4 | Qt | eP | 11 | 22 | 18.4 |
| | | eS | | 23 | 36.6 |
| 4 | Qt | eP | 13 | 38 | 29.5 |
| 4 | Qt | eP | 13 | 45 | 10.7c |
| 4 | Qt | eP | 15 | 08 | 27.5 |
| * 2 | Qt | eP | 01 | 34 | 38.5 |

May, 1967

| | | | | | |
|---|---|---|---|---|---|
| 4 | Wr | P | 16 | 34 | 13 |
| | Qt | eP | | | 29,2c |
| 4 | Qt | eP | 17 | 01 | 25.4 |
| 4 | Wr | P | 18 | 50 | 09 |
| | | S | | | 40 |
| | Qt | eP | | 51 | 16.9 |
| | | eS | | 52 | 28.7 |
| 4 | Qt | eP | 22 | 16 | 46.3 |
| | | eS | | 18 | 04.5 |
| 4 | Qt | eP | 23 | 35 | 33.7 |
| 5 | Wr | P | 00 | 13 | 59 |
| | Qt | eP | | 14 | 35,8 |
| 5 | Wr | P | 03 | 12 | 17 |
| | Qt | eP | | 13 | 02,0 |
| | | eS | | 14 | 19,4 |
| 5 | Qt | eP | 07 | 53 | 30,5 |
| 5 | Qt | eP | 08 | 07 | 32,7 |
| 5 | Qt | iP | 14 | 15 | 09,7d |
| 5 | Qt | eP | 15 | 13 | 44,0 |
| 5 | Qt | eP | 16 | 26 | 54 Spec Pwv |
| 5 | Qt | eS | | 28 | 27.7 |
| 5 | Qt | eP | 17 | 18 | 26.7 |
| 5 | Wr | P | 17 | 47 | 26 |
| | | S | | 54 | 56 |
| | Qt | iP | | 47 | 29,7e |
| | | eS | | 55 | 04,0 |

| | Mu | Sec |
|---|---|---|
| MH | 2,5 | 20 |

△ = 54°,4
Mag = 5,7(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 5 | Qt | eP | 20 | 12 | 43,4 |
| | | eS | | 14 | 00,1 |
| 5 | Qt | eP | 22 | 33 | 00,2 |
| | | eS | | 34 | 18,4 |
| 5 | Qt | eP | 23 | 19 | 44.2c |
| | Wr | P | | 20 | 12 |
| 6 | Qt | eP | 02 | 48 | 36.7 |
| 6 | Qt | eP | 05 | 01 | 09.6 |
| 6 | Qt | eP | 18 | 48 | 00.2e |
| 6 | Qt | iP | 19 | 58 | 20.9d |
| 6 | Qt | eP | 21 | 59 | 52.9 |
| 6 | Qt | eP | 22 | 11 | 40.5 |
| 7 | Qt | eP | 06 | 53 | 28.7 |
| 7 | Qt | eP | 07 | 52 | 39.4d |
| 7 | Qt | eP | 08 | 06 | 15.2 |
| | | eS | | 07 | 46.4 |
| 7 | Qt | eP | 10 | 29 | 46.4d |
| 7 | Qt | eP | 21 | 15 | 06.2 |
| 7 | Qt | eP | 22 | 00 | 15.4 |
| 7 | Qt | eP | 23 | 00 | 19.7 |
| 7 | Qt | eP | 23 | 58 | 14.7 |
| 8 | Qt | eP | 18 | 49 | 42.8 |
| | | iS | | 50 | 43.4 |
| 8 | Qt | eP | 19 | 03 | 52.5d |
| 8 | Qt | iP | 20 | 37 | 40.9c |
| | | iS | | 38 | 54.4 |
| 8 | Qt | iP | 23 | 33 | 03.3d |

(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)/63/ 4119 Quetta, the 8th June' 67

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

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

Provisional Readings at Seismological Stations from 9th May to 15th May' 1967.

Additional
May' 1967

| | | | | | |
|---|---|---|---|---|---|
| 1. | Wr | eP | 04 | 11 | 55.2 |
| 1 | Wr | eP | 07 | 16 | 36.6 |
| | Kr | eP | | | 46.6 |
| | Ch | eP | | 20 | 16 |
| 4 | Wr | eP | 11 | 21 | 14.4 |
| 4 | Wr | eP | 22 | 15 | 49 |
| | | eS | | 16 | 21.9 |
| 5 | Lh | eP | 17 | 47 | 03 |
| | | eS | | 54 | 10. |
| | Kr | eP | | 47 | 08.7 |
| 5 | Wr | eP | 20 | 11 | 47.2 |
| 6 | Wr | eP | 21 | 58 | 59.3 |
| | | eS | | 59 | 18.1 |
| 6 | Wr | eP | 22 | 11 | 44.1 |
| 7 | Wr | eP | 08 | 05 | 09.8 |
| | | eS | | | 47.3 |
| 7 | Wr | eP | 22 | 59 | 26.1 |
| | | eS | | | 43.5 |
| 8 | Wr | eP | 18 | 48 | 53.2 |
| | | eS | | 49 | 25.8 |
| | Lh | eP | | | 34 |
| | | iS | | 50 | 39 |
| | Qt | eP | | 49 | 42.8 |
| | | iS | | 50 | 43.4 |
| | Ch | eP | | 52 | 59 |

| | Mu | Sec |
|---|---|---|
| PZ = | .04 | 0.6 |

$\Delta$ = 6°.5

H = 18 48 08
35°.9N, 70 °2E
Hindukush
depth about 250 km.
Mag:- 4.6(Qt)

May' 1967

| | | | | | |
|---|---|---|---|---|---|
| 8 | Wr | eP | 20 | 36 | 39.6 |
| | Lh | eP | | 37 | 21 ± |
| | | eS | | 38 | 19 |
| | Qt | iP | | 37 | 40.9c |
| | | iS | | 38 | 54.4 |

| | Mu | Sec |
|---|---|---|
| PZ | .01 | 0.5 |

$\Delta$ = 6°.5

H = 20 36 07
35°.6N, 70 °9E
Hindukush
depth about 200 km
Mag:- 4.3(Qt)

Continuation
May' 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Wr | P | 02 | 31 | 26 |
| | | S | | 32 | 16 |
| | Qt | eP | | | 24 |
| | | eS | | 34 | 21 |
| 9 | Qt | eP | 06 | 25 | 28 |
| 9 | Wr | P | 16 | 38 | 28 |
| | | S | | 39 | 28 |
| | Qt | eP | | | 18 |
| | | eS | | 42 | 07 |
| 9 | Ch | P | 21 | 37 | 23 |
| | | S | | 43 | 07 |
| | Lh | P | | 39 | 39 |
| | | S | | 47 | 16 |
| | Wr | P | | 40 | 00 |
| | Qt | iP | | | 17d |
| | | iS | | 48 | 35 |
| 10 | Qt | eP | 03 | 47 | 37 |
| | | eS | | 48 | 51 |
| 10 | Qt | eP | 13 | 35 | 29.4c |
| 10 | Qt | eP | 17 | 32 | 03.2 |
| 10 | Qt | eP | 17 | 48 | 49.8c |

International Seismological Centre

May' 67

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | Qt | eP | 18 | 50 | 13.7 | |
| | | eS | | 52 | 03.2 | |
| 10 | Qt | eP | 23 | 32 | 56.5 | |
| | | e(S) | | 34 | 25.5 | |
| 11 | Qt | eP | 04 | 24 | 03.1d | |
| | | iS | | 25 | 26.3 | |
| 11 | Qt | iP | 08 | 33 | 18.4d | |
| | | iS | | | 21.1 | |
| | Kr | eP | | 34 | 53 | |
| 11 | Wr | P | 14 | 52 | 25 | |
| | Ml | P | | | 34 | |
| | | S | | 53 | 51 | |
| | Qt | eP | | | 33.0 | |
| | | eS | | 55 | 30.3 | |
| | | | Mu | | Sec | |
| | | PZ | .29 | | 0.7 | |
| | | △ = 11°.0 | | | | |
| | Kr | P | | 54 | 34 | |
| | | S | | 57 | 29 | |
| | Ch | P | | 56 | 06 | |
| | | S | 15 | 00 | 13 | |

H= 14 50 55
39°.7N, 73°.7E
Russia-China border
depth about 33km.
Mag:- 6.6(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 11 | Qt | eP | 15 | 24 | 29.4 |
| 11 | Qt | eP | 15 | 24 | 38.8 |
| | | eX | | 27 | 29.4 |
| | Wr | P | | 24 | 43 |
| | | S | | 27 | 39 |

May' 1967

| | | | | | |
|---|---|---|---|---|---|
| 11 | Qt | eP | 19 | 20 | 21.0 |
| | | e(S) | | 21 | 47.0 |
| 12 | Qt | eP | 00 | 19 | 09.9c |
| 12 | Wr | P | 05 | 22 | 34 |
| | | S | | 23 | 48 |
| 14 | Wr | P | 02 | 32 | 52 |
| | | S | | 34 | 07 |
| 14 | Wr | P | 09 | 02 | 20 |
| | | S | | 03 | 32 |
| 15 | Qt | eP | 08 | 19 | 42.2 |
| | | eS | | 25 | 12.0 |
| 15 | Qt | eP | 11 | 42 | 34.3 |
| | | e(S) | | 44 | 37.0 |
| 15 | Qt | eP | 12 | 22 | 06.3 |
| 15 | Qt | eP | 12 | 51 | 34.0 |
| 15 | Qt | eP | 15 | 57 | 37.3d |
| 15 | Qt | eP | 17 | 28 | 13.1c |
| | | eX | | | 46.0 |
| 15 | Qt | eP | 18 | 57 | 18.0 |
| 15 | Qt | eP | 20 | 29 | 01.5 |
| | | eS | | 30 | 05.2 |
| 15 | Qt | eP | 22 | 22 | 28.4 |
| | | eS | | 23 | 40.0 |

(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**

SS-9(2)/63/ 1119

Quetta, the 12th June 1967.

International Seismological Centre

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

Provisional Readings at Seismological Stations from 16th to 23rd May, 1967.

Additional
May'67

| | | | | | |
|---|---|---|---|---|---|
| 9 | Kr | eP | 06 | 25 | 50.9 |
| 9 | Kr | eP | 21 | 40 | 12.9 |
| 11 | Ml | eP | 04 | 24 | 27.3 |
| | Wr | eP | | 25 | 46.6 |
| 11 | Lh | eP | 14 | 52 | 54 |
| | | eS | | 54 | 21 |
| 11 | Kr | eP | 15 | 24 | 39.5 |
| 12 | Ml | iP | 00 | 17 | 25.4c |
| | | iS | | | 27.4 |
| 14 | Lh | eP | 02 | 33 | 04 |
| | Kr | eP | | | 17.7 |
| 14 | Ml | iP | 09 | 02 | 18.7d |
| | Lh | eP | | | 53 ± |
| | Kr | eP | | 04 | 28 |
| 15 | Wr | eP | 08 | 20 | 03.8 |
| 15 | Wr | eP | 11 | 41 | 27.1 |
| 15 | Wr | eP | 22 | 21 | 41 ± |

Continuation
May'1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 01 | 02 | 56.5 |
| | | eS | | 03 | 56.3 |
| 16 | Qt | eP | 04 | 16 | 19.4 |
| 16 | Qt | eP | 05 | 19 | 06.1d |
| 16 | Qt | eP | 06 | 30 | 50.1d |
| 16 | Qt | eP | 08 | 36 | 07.1 |
| 16 | Qt | eP | 13 | 17 | 17.2d |
| 16 | Qt | eP | 14 | 55 | 12.2 |
| | | e(S) | | 57 | 04.3 |
| 16 | Qt | eP | 17 | 26 | 41.3 |
| 16 | Qt | eP | 19 | 35 | 19.8c |
| | | eS | | 43 | 45.3 |
| 16 | Qt | eP | 19 | 45 | 11.7 |
| 16 | Qt | eP | 23 | 29 | 45.4d |
| 17 | Qt | eP | 00 | 45 | 57.4 |
| 17 | Qt | eP | 05 | 33 | 29.6 |
| | | eS | | 37 | 34.0 |
| 17 | Qt | eP | 09 | 44 | 55.8 |
| 17 | Qt | eP | 09 | 58 | 53.9c |
| 17 | Qt | eP | 16 | 52 | 25.7 |
| | | eS | | 53 | 56.4 |
| 17 | Qt | eP | 17 | 56 | 26.2 |
| 17 | Qt | e P | 21 | 53 | 41.9 |
| 18 | Qt | eP | 00 | 18 | 02.1 |
| | | eS | | 19 | 34.5 |
| 18 | Qt | eP | 04 | 17 | 13.2d |
| | | eS | | 27 | 04.0 |
| 18 | Qt | eP | 04 | 49 | 26.5 |
| 18 | Qt | iP | 11 | 32 | 49.5c |
| | | eS | | 37 | 36.2 |
| 18 | Qt | eP | 13 | 12 | 02.2 |
| 18 | Qt | iP | 14 | 11 | 14.9c |
| 18 | Qt | iP | 23 | 48 | 39.8d |
| 19 | Qt | eP | 00 | 45 | 47.4 |
| | | e(S) | | 49 | 28.0 |
| 19 | Qt | eP | 04 | 05 | 45.4 |
| 19 | Qt | iP | 05 | 28 | 09.7d |
| 19 | Qt | eP | 08 | 14 | 28.4 |
| | | eS | 18 | 01 | 08.2 |

May'1967

| | | | | | |
|---|---|---|---|---|---|
| 19 | Qt | eP | 10 | 47 | 11.8 |
| | | eS | | 48 | 23.2 |
| 19 | Qt | eP | 12 | 21 | 19.6 |
| 19 | Qt | eP | 13 | 10 | 03.2 |
| 19 | Qt | eP | 15 | 58 | 38.4 |
| | | eS | 16 | 03 | 40.2 |
| 19 | Qt | eP | 17 | 17 | 18.8d |
| 20 | Qt | eP | 01 | 18 | 13.4d |
| 20 | Qt | eP | 03 | 02 | 26.7c |
| | | eS | | 11 | 40.4 |
| 20 | Qt | eP | 05 | 52 | 54 On net poor |
| | | eS | | 54 | 14.6 |
| 20 | Qt | eP | 05 | 58 | 47.4 |
| 20 | Wr | P | 08 | 48 | 42 |
| | | S | | 49 | 54 |
| | Qt | eP | | | 46.6 |
| | | eS | | 51 | 22.5 |
| 20 | Qt | eP | 12 | 40 | 08.1 |
| 20 | Qt | eP | 13 | 21 | 33.4 |
| 20 | Qt | eP | 15 | 29 | 26.2 |
| 20 | Qt | eP | 19 | 26 | 11.1c |
| 20 | Qt | eP | 19 | 51 | 39.9 |
| 20 | Qt | eP | 21 | 15 | 58.9 |
| | | eS | | 54 | 20.4 |
| 20 | Qt | eP | 23 | 25 | 58.5 |
| 21 | Qt | eP | 06 | 03 | 34.3 |
| | | eS | | 05 | 05.0 |
| 21 | Qt | eP | 11 | 19 | 01.5 |
| | | eS | | 20 | 19.1 |
| 21 | Qt | eP | 12 | 29 | 45.8d |
| 21 | Wr | P | 18 | 35 | 21 |
| | Qt | 1P | | 36 | 13.1d |
| | | eS | | 37 | 44.6 |
| 21 | Lh | P | 18 | 52 | 41.1 |
| | | S | | 58 | 37 |
| | Wr | P | | 53 | 08 |
| | Qt | 1P | | | 12.5d |
| | | eS | | 59 | 24.5 |
| 21 | Qt | eP | 19 | 23 | 51.7 |
| 21 | Qt | eP | 21 | 57 | 19.9 |
| | | eS | | 58 | 34.2 |
| 21 | Qt | eP | 23 | 27 | 17.5 |
| | | e(S) | | 28 | 25.2 |
| 22 | Wr | P | 02 | 37 | 38 |
| | | S | | 39 | 07 |
| | Qt | eP | | 38 | 56.2 |
| | | eS | | 41 | 16.1 |

May' 1967

| | | | | | |
|---|---|---|---|---|---|
| 22 | Qt | eP | 04 | 09 | 47.4 |
| | | eS | | 10 | 53.2 |
| 22 | Qt | eP | 08 | 43 | 05.7c |
| 22 | Qt | eP | 09 | 02 | 10.6 |
| 22 | Qt | eP | 11 | 42 | 44.5d |
| 22 | Wr | P | 17 | 42 | 22 |
| | | S | | 43 | 29 |
| | Qt | eP | | | 04.0 |
| | | eS | | 45 | 10.1 |
| 22 | Wr | P | 19 | 20 | 25 |
| | | S | | 21 | 35 |
| | Qt | eP | | | 08.6 |
| | | eS | | 23 | 12.2 |
| 22 | Qt | eP | 21 | 00 | 45.9 |
| 23 | Qt | eP | 01 | 31 | 34.7 |
| 23 | Qt | eP | 01 | 33 | 02.0d |
| 23 | Qt | eP | 02 | 03 | 19.8c |
| 23 | Qt | eP | 05 | 38 | 18.1d |
| | | iS | | 39 | 38.2 |

May' 1967

| | | | | | |
|---|---|---|---|---|---|
| 23 | Qt | eP | 08 | 43 | 01.0 |
| 23 | Qt | eP | 09 | 45 | 3[illegible] |
| | | eS | | 47 | [illegible] |
| 23 | Qt | eP | 13 | 54 | [illegible] |
| 23 | Qt | eP | 14 | [illegible] | [illegible] |
| 23 | Qt | eP | 15 | 50 | 51.0 |
| | | eS | 15 | 52 | 00.1 |
| 23 | Qt | eP | 17 | 03 | 02.0 |
| | | e(S) | | 05 | 57.4 |
| 23 | Qt | eP | 19 | 34 | 29.8d |
| 23 | Qt | iP | 19 | 36 | 18.1c |
| 23 | Qt | eP | 19 | 46 | 47.6 |

International Seismological Centre

(K.U.Siddiqi)
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for DIRECTOR,
METEOROLOGICAL SERVICES.

International Seismological Centre

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

PAKISTAN

No.35-9(2)/63/ 4210 Quetta, the 13th June, 1967

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

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

Provisional Readings at Seismological Stations from 24th May to 31st May, 1967.

Additional

May, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Mr | eP | 01 | 02 | 16.4 |
| | | eS | | | 30.1 |
| 17 | Kr | eP | 17 | 56 | 1..5 |
| 18 | Lh | eP | 11 | 32 | 08 |
| | Ml | eP | | 33 | 22.0 |
| 18 | Lh | eP | 23 | 47 | 51 |
| 19 | Mr | eP | 05 | 28 | 03.9 |
| 19 | Mr | eP | 10 | 46 | 10.4 |
| | | eS | | | 35.0 |
| 20 | Mr | eP | 05 | 51 | 40.2 |
| 21 | Ml | iP | 08 | 48 | 55.3d |
| 21 | Mr | eP | 06 | 02 | 26.4 |
| 21 | Ml | eP | 18 | 35 | 40.5 |
| 21 | Ml | iP | 18 | 52 | 53.5d |
| | | eS | | 58 | 58.5 |
| 22 | Mr | iP | 17 | 42 | 22.4c |
| | | eS | | 43 | 2..0 |
| | Ml | eP | | 42 | 51.0 |
| | | eS | | 44 | 55.3 |
| | Qt | eP | | 43 | 04.0 |
| | | eS | | 45 | 10.1 |

H = 17 : 40 : 20
41.6N, 66.8E
Near Tashkent
Depth about 33 Km.

| | | | | | |
|---|---|---|---|---|---|
| 22 | Ml | eP | 19 | 21 | 19.2 |
| 23 | Mr | iP | 05 | 37 | 15.4d |
| | | iS | | | 48.7 |
| 23 | Mr | eP | 08 | 43 | 58.5 |
| 23 | Mr | eP | 15 | 49 | 56.8 |
| | | eS | | 50 | 21.2 |
| 23 | Mr | eP | 19 | 36 | 27.7 |

Continuation

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 04 | 34 | 06.2 |
| 24 | Qt | eP | 05 | 18 | 09.3 |
| 24 | Qt | eP | 10 | 20 | 40Onset Poor |
| | | iS | | 21 | 51.2 |
| 24 | Qt | iP | 17 | 27 | 42.7d |
| 25 | Qt | eP | 18 | 51 | 05.6 |
| 25 | Qt | iP | 19 | 01 | 50.0d |
| 25 | Qt | eP | 23 | 58 | 17.0 Onset Poor |
| 26 | Qt | eP | 09 | 10 | 30.3 |
| 26 | Qt | eP | 10 | 42 | 58.6 |
| 26 | Qt | eP | 10 | 45 | 43.3 |

May, 1967

| | | | | | |
|---|---|---|---|---|---|
| 26 | Qt | eP | 15 | 05 | 30.5 |
| 26 | Qt | eP | 15 | 29 | 36.3 |
| 26 | Qt | eP | 15 | 47 | 22.8d |
| 26 | Qt | eP | 15 | 58 | 52.4 |
| 26 | Qt | eP | 16 | 54 | 51.8 |
| 26 | Qt | iP | 19 | 43 | 37.7d |
| 26 | Qt | eP | 21 | 20 | 25.7 |
| 26 | Qt | eP | 21 | 41 | 16.5 |
| 27 | Mr | P | 01 | 06 | 26 |
| | | S | | | 41 |
| | Qt | eP | | 07 | 16 Onset Poor |
| | | eS | | 08 | 11.2 |
| 27 | Mr | P | 01 | 44 | 39 |
| | Qt | eP | | 45 | 49.4 |
| | | eS | | 48 | 04.0 |
| 27 | Qt | eP | 07 | 06 | 09 Onset Poor |
| | | e(S) | | 07 | 10.6 |
| 27 | Mr | P | 12 | 43 | 29 |
| | | S | | | 55 |
| | Qt | eP | | 44 | 34.7d |
| | | iS | | 45 | 53.2 |
| 27 | Ch | P | 17 | 34 | 04 |
| | | S | | 43 | 08 |
| | Mr | P | | 34 | 19 |
| | Lh | P | | | 23 |
| | Qt | iP | | 34 | 52.4c |
| | | eS | | 44 | 46.0 |

| | Mu | Sec |
|---|---|---|
| | MI 40.8 | 20 |
| | △ = 78°.7 | |
| | Mag = 6.6(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 27 | Qt | eP | 18 | 40 | 34 Onset Poor |

May, 1967

| | | | | | |
|---|---|---|---|---|---|
| 27 | Wr | P | 19 | 07 | 09 |
| | Lh | P | | | 09 |
| | | (S) | | 08 | 33 |
| | Qt | eP | | 08 | 18.6d |
| | | eS | | 10 | 16.0 |

| | Mu | Sec |
|---|---|---|
| Pg | .09 | 0.6 |

△ = 10°.5

| | | | | |
|---|---|---|---|---|
| Kr | P | 19 | 09 | 08 |
| | S | | 11 | 38 |
| Ch | P | | 10 | 03 |
| | (S) | | 13 | 24 |

H = 19 : 05 : 50
36°.0N, 77°.5E
Kashmir-China border
Depth about 33 Km
Mag = 6.2(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 27 | Qt | eP | 20 | 00 | 47.8 |
| | | eS | | 02 | 04.4 |
| 27 | Qt | eP | 20 | 21 | 15.4d |
| 27 | Qt | eP | 22 | 23 | 05.1 |
| | | eS | | 24 | 25.5 |
| 27 | Qt | eP | 23 | 05 | 15.2 |
| 28 | Qt | iP | 01 | 43 | 46 c |
| | | eS | | 46 | 37 |
| 28 | Qt | eP | 03 | 08 | 23 |
| | | eS | | 09 | 21 |
| 28 | Wr | P | 04 | 11 | 53 |
| | Qt | | | 12 | 45 |
| 28 | Qt | eP | 04 | 57 | 06 |
| | | e(S) | | 59 | 50 |
| 28 | Qt | eP | 05 | 11 | 09 |
| | | eS | | 12 | 13 |
| 28 | Qt | eP | 06 | 47 | 46 |
| 28 | Qt | eP | 08 | 44 | 57 |
| | | iS | | 46 | 00 |
| 28 | Wr | P | 12 | 04 | 01 |
| | | S | | | 56 |
| | Qt | eP | | 05 | 09 |
| | | iS | | 06 | 52 |
| 28 | Qt | eP | 17 | 21 | 52c |
| | | eS | | 23 | 03 |
| 28 | Qt | eP | 20 | 09 | 15 |
| | | eS | | 11 | 56 |
| 28 | Qt | eP | 23 | 24 | 24 |
| | | e(S) | | 26 | 58 |
| 29 | Qt | eP | 00 | 10 | 17 |
| 29 | Wr | P | 04 | 56 | 46 |
| | Qt | iP | | 57 | 12c |
| 29 | Wr | P | 09 | 55 | 22 |
| | Qt | eP | | 56 | 16 |
| | | eS | | 58 | 29 |
| 29 | Qt | eP | 11 | 28 | 20d |
| 29 | Qt | eP | 11 | 30 | 29c |
| 29 | Wr | P | 21 | 11 | 22 |
| | | S | | 19 | 08 |
| | Qt | iP | | 11 | 59c |
| | | eS | | 20 | 18 |

May, 1967

| | | | | | |
|---|---|---|---|---|---|
| 29 | Qt | eP | 22 | 51 | 30 |
| | | eS | | 53 | 00 |
| 30 | Qt | eP | 10 | 06 | 58.4 |
| 30 | Qt | eP | 10 | 12 | 57.8 |
| 30 | Qt | iP | 16 | 56 | 12.5d |
| 30 | Wr | P | 18 | 57 | 11 |
| | | S | | | 49 |
| | Lh | P | | | 24 |
| | | S | | 58 | 08 |
| | Qt | eP | | 57 | 16.6 |
| | | eS | | | 56.5 |
| | Lh | P | | 58 | 24 |
| | | S | | | 56 |

H = 18 : 56 : 27
31°.8N, 70.1E
Near Dera Ghazi Khan, West Pakistan

| | | | | | |
|---|---|---|---|---|---|
| 30 | Qt | eP | 23 | 15 | 21.4 |
| | | eS | | 16 | 41.3 |
| 31 | Qt | eP | 03 | 09 | 23 Onset Poor |
| 31 | Qt | eP | 04 | 08 | 53 Onset Poor |
| | | eS | | 10 | 34.3 |
| 31 | Qt | eP | 04 | 56 | 51.3 |
| | | eS | | 58 | 15.2 |
| 31 | Qt | eP | 13 | 31 | 32.0c |
| 31 | Lh | P | 16 | 14 | 12 |
| | | S | | 16 | 17 |
| | Qt | iP | | 14 | 28.2d |
| | | eS | | 15 | 48.4 |
| 31 | Qt | iPc | 16 | 36 | 15.8c |

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POST BOX NO. 2, QUETTA

**P A K I S T A N**

International Seismological Centre

No.SS-9(2)/67/ Quetta, the _____ June, 1967.

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

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

Provisional Readings at Seismological Stations from 1st June to 8th June, 1967.

Additional
May, 1967

| | | | | | |
|---|---|---|---|---|---|
| 26 | Lh | eP | 21 | 27 | 52 |
| | Wr | eP | | 28 | 13.2 |
| 27 | Wr | eP | 01 | 44 | 38.6 |
| | Ml | iP | | - | 39.0d |
| | | eS | | 46 | 06.4 |
| | Qt | eP | | 45 | 49.4 |
| | | eS | | 48 | 04.0 |

| | Mu | Sec |
|---|---|---|
| P | .02 | 0.6 |

△ = 12°.1
H = 01 : 42 : 50
40°.3N, 76°.7E
China-Russia Border
Depth about 200 Km
Mag: 4.8(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 27 | Wr | iP | 12 | 43 | 29.4d |
| | | iS | | | 55.3 |
| | Ml | iP | | | 50.9d |
| | | eS | | 44 | 34.4 |
| | Lh | eP | | | 11 |
| | | eS | | 45 | 08 |
| | Qt | eP | | 44 | 34.7d |
| | | iS | | 45 | 53.2 |

| | Mu | Sec |
|---|---|---|
| P | = .01 | 0.6 |

△ = 6°.9
H = 12 : 42 : 55
35°.9N, 71°.3E
HINDUKUSH
Depth about 160 Km.
Mag: 4.4(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 27 | Kr | eP | 17 | 35 | 15.6 |
| 27 | Ml | iP | 19 | 06 | 57.2 |
| 28 | Ch | eP | 01 | 42 | 58 |
| | Wr | eP | | 43 | 12.7 |
| 28 | Ml | iP | 03 | 08 | 09.1d |
| | Wr | eP | | | 29.5 |
| 28 | Wr | eP | 04 | 11 | 52.9 |

May, 1967

| | | | | | |
|---|---|---|---|---|---|
| 28 | Wr | eP | 12 | 04 | 01.3 |
| | | iS | | | 56.3 |
| | Ch | eP | | | 13.3 |
| | Qt | eP | | 05 | 09 |
| | | iS | | 06 | 52 |

H = 12 : 02 : 52
38°.5N, 72°.6E
Tadzhik, S.S.R.
Depth about 33 Km

| | | | | | |
|---|---|---|---|---|---|
| 29 | Ml | eP | 09 | 55 | 02.9 |
| 29 | Lh | eP | 21 | 11 | 18c |
| 30 | Ml | eP | 18 | 57 | 25.2 |
| | | eS | | 58 | 05.2 |

| | | | | | |
|---|---|---|---|---|---|
| 30 | Wr | eP | 23 | 14 | 17.1 |
| | | eS | | | 44.8 |
| | Ml | iP | | | 37.2d |
| | | iS | | 15 | 20.5 |
| | Qt | eP | | | 21.4 |
| | | eS | | 16 | 41.3 |

H = 23 : 13 : 39
36°.2N, 71°.3E
HINDUKUSH
Depth about 220 Km

| | | | | | |
|---|---|---|---|---|---|
| 31 | Wr | eP | 04 | 55 | 47.6 |
| 31 | Wr | eP | 16 | 13 | 33.8 |
| | | eS | | 14 | 10.1 |
| | Ml | eP | | 13 | 52.8 |
| | | iS | | 14 | 45.2 |
| | Lh | eP | | | 12.0 |
| | Qt | iP | | | 28.2d |
| | | eS | | 15 | 48.4 |

| | Mu | Sec |
|---|---|---|
| P | -.07 | 0.7 |

△ = 7°.1
H = 16 12 44
36°.5N, 70°.8E
HINDUKUSH
Depth about 280 Km
Mag: 4.8(Qt)

Continuation:

June, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Wr | P | 03 | 48 | 21 |
| | | S | | | |

Continuation
June, 1967.

| | | | | | |
|---|---|---|---|---|---|
| 1 | Wr | P | 03 | 48 | 21 |
| | | S | | 58 | 26 |
| | Qt | eP | | 48 | 49.0 |
| | | eS | | 59 | 09.2 |

| | Mu | Sec |
|---|---|---|
| MH | 3.3 | 20 |
| Δ | = 84°.0 | |
| Mag | 0 5.9(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 1 | Wr | P | 07 | 40 | 19 |
| | | S | | | 47 |
| | Qt | eP | | 41 | 11.6 |
| | | iS | | 42 | 12.2 |
| 1 | Qt | eP | 10 | 45 | 46.0 |
| | Wr | P | | 46 | 06 |
| 1 | Qt | eP | 11 | 14 | 23.4e |
| 1 | Qt | eP | 13 | 01 | 10.4d |
| 1 | Qt | eP | 17 | 53 | 59.5 |
| | | eS | | 55 | 10.6 |
| 1 | Wr | P | 21 | 00 | 35.6 |
| | Qt | eP | | | 59.9e |
| | | eS | | 11 | 22.2 |
| 1 | Qt | eP | 21 | 37 | 24.2 |
| | | eS | | 38 | 41.3 |
| 1 | Qt | eP | 21 | 53 | 30.3 |
| 1 | Qt | eP | 22 | 26 | 45.7 |
| 2 | Qt | eP | 04 | 32 | 09 |
| | | ONSET POOR | | | |
| | | eS | | 35 | 46.4 |
| 2 | Qt | eP | 05 | 15 | 33.3 |
| | | eS | | 19 | 28.2 |
| 2 | Qt | eP | 09 | 25 | 59.0 |
| | | iS | | 27 | 16.2 |
| 2 | Qt | eP | 12 | 13 | 49.4 |
| 2 | Qt | eP | 21 | 56 | 17.2 |
| 2 | Qt | eP | 22 | 33 | 03.0 |
| 3 | Qt | eP | 02 | 13 | 08.2 |
| 3 | Qt | eP | 06 | 02 | 59.5 |
| 3 | Qt | eP | 06 | 30 | 37.4 |
| 3 | Qt | iP | 07 | 45 | 53.8e |
| | | iS | | 47 | 19.7 |
| 3 | Qt | eP | 09 | 21 | 38.3d |
| 3 | Qt | eP | 13 | 27 | 07.5 |
| 3 | Qt | eP | 14 | 16 | 25.2c |
| 3 | Qt | eP | 14 | 25 | 16 |
| | | ONSET POOR | | | |
| 3 | Qt | eP | 21 | 30 | 31.7d |
| | | eX | | 33 | 08.0 |
| 4 | Qt | eP | 03 | 04 | 47.6 |
| 4 | Qt | eP | 05 | 37 | 48.4 |
| 4 | Qt | eP | 06 | 34 | 40.5 |
| 4 | Qt | eP | 06 | 45 | 25.7 |
| 4 | Qt | eP | 07 | 06 | 33.3c |
| 4 | Qt | eP | 18 | 48 | 11.7 |
| 5 | Qt | eP | 01 | 40 | 19.3 |
| 5 | Qt | eP | 11 | 19 | 36.5d |

June, 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | Qt | eP | 16 | 49 | 35.0c | |
| 6 | Qt | eP | 06 | 48 | 06 | + |
| 6 | Qt | eP | 23 | 59 | 09 | ∓ |
| 7 | Qt | eP | 00 | 17 | 48 | ± |
| | | eS | | 19 | 10 | |
| 7 | Qt | eP | 05 | 41 | 24 | ∓ |
| 7 | Qt | eP | 05 | 46 | 06 | ± |
| 7 | Qt | eP | 17 | 07 | 19 | ∓ |
| | | eS | | 12 | 08 | |
| 7 | Qt | eP | 18 | 27 | 27 | ± |
| 7 | Qt | eP | 22 | 37 | 21 | ± |
| | | eS | | 38 | 50 | |
| 8 | Qt | eP | 00 | 39 | 24 | ± |
| | | ONSET POOR | | | | |
| 8 | Qt | eP | 00 | 33 | 42 | ± |
| 8 | Qt | eP | 01 | 25 | 34 | ±c |
| 8 | Qt | eP | 03 | 17 | 12 | ± |
| | | e(S) | | 18 | 51 | |
| 8 | Qt | eP | 05 | 23 | 49 | ± |
| 8 | Qt | eP | 07 | 11 | 49 | ∓ |
| 8 | Qt | iP | 12 | 12 | 11 | ±e |
| 8 | Qt | iP | 14 | 01 | 31 | ±d |
| | | iX | | 02 | 14 | |
| 8 | Qt | eP | 23 | 23 | 16 | ± |
| 8 | Qt | eP | 23 | 27 | 02 | |
| | | ONSET POOR | | | | |

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DIRECTOR,
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PAKISTAN METEOROLOGICAL DEPARTMENT
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P A K I S T A N

26 JUN 1967

International Seismological Centre

No.33-3(2)/63/ 4 2 8) Quetta, the 20th June, 1967.

Qt-Quetta, Lh-Lahore, Mr-Marsak, Ch-Chittagong, Kr-Karachi, Hl-Hangla

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

Provisional Readings at Seismological Stations from 5th June to 15th June, 1967

Additional

| June,1967 | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Lh | eP | 03 | 48 | 26 | |
| | | eS | | 58 | 24 | |
| 1 | Lh | eP | 21 | 00 | 22 | |
| | | eS | | 10 | 50 | |
| 1 | Mr | eP | 21 | 36 | 38 | ± |
| 2 | Mr | eP | 04 | 30 | 58.3 | |
| | | eS | | 33 | 42,5 | |
| 2 | Mr | eP | 05 | 15 | 3[illegible] | ± |
| 2 | Mr | eP | 09 | 25 | 02 | ± |
| 3 | Mr | eP | 07 | 44 | 40.3 | |
| 3 | Mr | eP | 09 | 21 | 07.3 | |
| 3 | Mr | eP | 21 | 2[illegible] | 57.9 | |
| 4 | Mr | eP | 05 | 37 | 12,2 | |
| 4 | Mr | eP | 18 | 48 | 14.6 | |
| 5 | Mr | eP | 11 | 19 | 07.9 | |
| 6 | Mr | eP | 06 | 47 | 48.3 | |
| 7 | Mr | eP | 00 | 17 | 08.2 | |
| 7 | Mr | eP | 17 | 06 | 30,4 | |
| 7 | Mr | eP | 22 | 38 | 27.7 | |
| 8 | Mr | eP | 07 | 11 | 27.2 | |
| 8 | Lh | eP | 12 | 11 | 31 | |
| | Mr | eP | | | 51,6 | |
| 8 | Mr | eP | 23 | 22 | 46 | ± |

| June,1967 | | | | | | |
|---|---|---|---|---|---|---|
| 9 | Qt | eP | 18 | 41 | 37.5d | |
| 9 | Qt | eP | 19 | 34 | 14.1c | |
| 9 | Qt | eP | 19 | 43 | 48.5c | |
| 9 | Qt | eP | 20 | 31 | 30.6 | |
| | | eS | | 32 | 45.6 | |
| 9 | Qt | eP | 23 | 23 | 03.0 | |
| 10 | Qt | eP | 04 | 02 | 17.5 | |
| 10 | Qt | eP | 05 | 46 | 23.2d | |
| | | eX | | 58 | 24.2 | |
| 10 | Qt | eP | 06 | 38 | 50.3d | |
| 10 | Qt | eP | 14 | 16 | 3[illegible].4d | |
| 11 | Qt | eP | 12 | 01 | 08.0d | |
| 11 | Qt | iP | 15 | 31 | 22.7d | |
| 11 | Qt | iP | 17 | 34 | 40.3c | |
| | | eS | | 36 | 02.2 | |
| 12 | Qt | eP | 00 | 22 | 31 | |
| | | Onset Poor | | | | |
| 12 | Qt | eP | 01 | 09 | 00.4 | |
| 12 | Qt | eP | 01 | 19 | 40.6 | |
| 12 | Qt | eP | 02 | 58 | 14 | |
| | | Onset Poor | | | | |
| 12 | Qt | eP | 03 | 16 | 02.0d | |
| 12 | Qt | eP | 05 | 33 | 18.6d | |
| | | iS | | 43 | 28.2 | |

| | Mu | Sec |
|---|---|---|
| MH | 2.8 | 20 |

$\angle$ = 81°.8
Mag= 5.9(Qt)

| | | | | | | |
|---|---|---|---|---|---|---|
| | Mr | P | 05 | 33 | 46 | |
| 12 | Qt | iP | 19 | 07 | 34.5d | |
| 12 | Qt | eP | 20 | 10 | 00.2 | |
| 12 | Qt | eP | 21 | 26 | 11.1 | |
| | | e(S) | | 32 | 54.0 | |
| | Mr | P | | 26 | 12 | |

| June,1967 | | | | | | |
|---|---|---|---|---|---|---|
| 12 | Lh | P | 23 | 32 | 56 | |
| | Qt | iP | | 33 | 32.3c | |
| | | eS | | 42 | 19.0 | |

| | Mu | Sec |
|---|---|---|
| MH | 16.6 | 20 |

$\angle$ = 64°.5
Mag = 6.3(Qt)

| | | | | | | |
|---|---|---|---|---|---|---|
| 12 | Qt | eP | 23 | 42 | 43.8d | |
| 13 | Qt | eP | 01 | 33 | 28.2d | |
| 13 | Qt | iP | 04 | 00 | 08.2c | |
| 13 | Qt | eP | 04 | 02 | 17.0c | |
| 13 | Qt | eP | 15 | 3[illegible] | 54.6 | |
| 13 | Qt | eP | 15 | 51 | 41.7c | |
| | | eS | 16 | 01 | 53.2 | |
| 13 | Qt | iP | 19 | 02 | 12.2c | |
| 13 | Qt | eP | 22 | 39 | 07.7d | |
| 13 | Qt | eP | 23 | 14 | 35 | |
| | | Onset Poor | | | | |
| 14 | Qt | eP | 03 | 33 | 31 | |
| | | Onset Poor | | | | |
| 14 | Qt | iP | 03 | 55 | 21.7d | |
| 14 | Qt | eP | 05 | 25 | 15.6d | |
| 14 | Qt | iP | 08 | 16 | 47.0d | |
| | | eS | | 25 | 38.8 | |

| | Mu | Sec |
|---|---|---|
| MH | 8.5 | 20 |

$\angle$ = 57.4
Mag = 6.1(Qt)

| | | | | | | |
|---|---|---|---|---|---|---|
| 14 | Qt | iP | 08 | 23 | 50.6d | |
| 14 | Qt | eP | 15 | 46 | 31.0d | |
| 14 | Qt | iP | 18 | 05 | 54.2d | |
| 15 | Qt | eP | 15 | 02 | 05 | |
| | | Onset Poor | | | | |
| 15 | Qt | eP | 20 | 57 | 39.4 | |

Continuation

June,1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 9 | Qt | eP | 05 | 41 | 37.6d | |
| 9 | Qt | eP | 05 | 57 | 59.2 | |
| | | e(S) | | 5[illegible] | 27.2 | |
| 9 | Qt | iP | 11 | 32 | 11.5d | |
| 9 | Qt | eP | 14 | 32 | 55.2 | |

(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

No.SS-9(2)/63/4395 Quetta, the 30th June, 1967

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, 1967

Additional
June, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Wr | eP | 09 | 57 | 30.7 |
| 11 | Wr | eP | 15 | 31 | 16.7c |
| 12 | Wr | eP | 23 | 32 | 57.8d |
| 13 | Wr | eP | 23 | 14 | 45 |
| 14 | Wr | eP | 03 | 33 | 38.1 |
| | Lh | eP | | | 48 |
| | Kr | eP | | | 54.1 |
| 14 | Wr. | eP | 05 | 25 | 28.0 |
| 14 | Wr | eP | 08 | 16 | 10 |
| 14 | Wr | eP | 08 | 23 | 13.1 |

Continuation
June, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Wr | P | 02 | 36 | 56 |
| | Qt | eP | | 37 | 40 Onset Poor |
| | | e(S) | | 39 | 14.2 |
| 16 | Qt | eP | 04 | 18 | 34.5 |
| 16 | Qt | eP | 04 | 23 | 28.5 |
| 16 | Qt | eP | 10 | 48 | 27 Onset Poor |
| 16 | Qt | iP | 20 | 31 | 03.0c |
| 16 | Qt | eP | 20 | 42 | 14.2 |
| 16 | Wr | P | 20 | 53 | 02 |
| | Qt | eP | | | 52.0 |
| | | eS | | 55 | 35.5 |
| 16 | Qt | eP | 21 | 14 | 25.6 |
| 16 | Qt | eP | 22 | 00 | 18.3 |
| 16 | Qt | eP | 22 | 49 | 07.2 |
| 16 | Qt | eP | 22 | 58 | 35.3 |
| 17 | Wr | P | 00 | 22 | 52 |
| | Qt | iP | | 23 | 58.5d |
| | | eS | | 28 | 00.0 |
| 17 | Wr | P | 01 | 16 | 13 |
| | Qt | eP | | | 26 Onset Poor |
| 17 | Qt | eP | 05 | 15 | 04 Onset Poor |
| 17 | Qt | eP | 05 | 18 | 41.4 |
| | | e(S) | | 25 | 04.6 |
| | Lh | P | | 18 | 50 |
| | Wr | P | | | 51 |
| 17 | Qt | eP | 10 | 00 | 53.0 |
| 17 | Lh | P | 10 | 50 | 36 |
| | Wr | P | | 51 | 27 |
| | Qt | eP | | 52 | 05 Onset Poor |
| | | eS | | 53 | 22.0 |
| 17 | Qt | eP | 13 | 19 | 50.2 |
| | | e(S) | | 24 | 21.2 |
| 17 | Qt | eP | 14 | 59 | 17.2 |

June, 1967

| | | | | | |
|---|---|---|---|---|---|
| 17 | Qt | eP | 18 | 02 | 56.5d |
| 17 | Qt | eP | 18 | 06 | 09.6 |
| 17 | Qt | eP | 18 | 15 | 18 Onset Poor |
| 17 | Qt | eP | 19 | 38 | 49.6c |
| 18 | Wr | P | 01 | 23 | 30 |
| | Qt | eP | | 24 | 33.0d |
| | | eS | | 28 | 06.0 |
| 18 | Wr | P | 16 | 40 | 03 |
| | | S | | | 40 |
| | Lh | P | | | 42 |
| | | S | | 41 | 47 |
| | Qt | iP | | | 06.5c |
| | | iS | | 42 | 33.3 |

| | Mu | Sec |
|---|---|---|
| PG | 0.04 | 0.8 |

H = 16 : 39 : 14
36.4°N, 70.4°E
Hindukush region, Depth about 290 km.
Mag: 4.7 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 18 | Wr | P | 20 | 16 | 45 |
| | Qt | iP | | 17 | 12.1d |
| 18 | Qt | eP | 22 | 22 | 48.0 |
| 19 | Qt | eP | 02 | 49 | 35 ± |
| 19 | Qt | eP | 12 | 11 | 24 ± |
| | | iS | | 12 | 42 |
| 19 | Qt | eP | 12 | 52 | 32 ± |
| 19 | Qt | eP | 14 | 41 | 09 ± |
| | | eS | | 46 | 00 |
| 19 | Ch | P | 17 | 18 | 18 |
| | Wr | P | | 19 | 56 |
| | Qt | eP | | 20 | 19 ± 6 |
| | | ePP | | 23 | 35 |
| | | eS | | 30 | 45 |

| | Mu | Sec |
|---|---|---|
| MH | = 13.0 | 20 |

△ = 85°.2
Mag = 6.3(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 19 | Qt | eP | 18 | 16 | 39 ± |
| 19 | Qt | eP | 20 | 35 | 40 ± |
| 19 | Qt | eP | 21 | 50 | 50 ± |

June, 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 20 | Qt | oP | 04 | 06 | 30 | ± |
| 20 | Qt | eP | 05 | 37 | 57 | ± c |
| 20 | Qt | eP | 06 | 33 | 28 | ± d |
| 20 | Qt | eP | 07 | 48 | 20 | ± d |
| 20 | Wr | P | 07 | 50 | 52 | |
| | Qt | eP | | 51 | 21 | ± c |
| | | eS | 08 | 01 | 42 | |

| Mu | Sec |
|---|---|
| Mn 5.7 | 20 |

△ - 84°.1
Mag - 6.1(Qt)

| | | | | | | |
|---|---|---|---|---|---|---|
| 20 | Qt | eP | 11 | 52 | 16 | ± |
| 20 | Qt | eP | 12 | 22 | 44 | ± |
| 20 | Qt | eP | 15 | 43 | 46 | ± |
| | | eS | | 45 | 03 | |
| 20 | Qt | eP | 17 | 21 | 18 | ± |
| 20 | Qt | eP | 18 | 36 | 07 | ± |
| 21 | Qt | eP | 07 | 09 | 20 | ± |
| | | eX | | 12 | 07 | |
| | Wr | P | | 09 | 20 | |
| 21 | Qt | eP | 11 | 18 | 06 | ± |
| | | iS | | 19 | 25 | |
| 21 | Qt | eP | 11 | 55 | 03 | ± |
| | | eS | | 58 | 40 | |
| 21 | Qt | eP | 15 | 13 | 43 | ± |
| 21 | Wr | P | 15 | 54 | 27 | |
| | Qt | eP | | | 52 | ± |
| | | eS | 16 | 02 | 31 | |

| Mu | Seq |
|---|---|
| MH : 5.4 | 20 |

∠ - 55°.1
Mag - 5.9(Qt)

| | | | | | | |
|---|---|---|---|---|---|---|
| 21 | Qt | eP | 17 | 02 | 01 | ± |
| 21 | Wr | P | 18 | 16 | 37 | |
| | Qt | iP | | 17 | 10 | ± c |
| 21 | Wr | P | 18 | 20 | 24 | |
| | | S | | | 53 | |
| | Qt | eP | | | 57 | ± |
| | | eS | | 21 | 56 | |
| 21 | Qt | eP | 18 | 37 | 05 | ± |
| 21 | Qt | eP | 19 | 16 | 50 | ± |
| 21 | Qt | iP | 19 | 26 | 24 | ± c |
| 21 | Qt | iP | 19 | 38 | 31 | ± d |
| 21 | Qt | eP | 20 | 26 | 57 | ± d |
| | Wr | P | | 29 | 07 | |
| 21 | Qt | eP | 20 | 37 | 41 | ± |
| | | eS | | 39 | 30 | |
| 21 | Qt | eP | 21 | 05 | 19 | ± |
| 22 | Wr | P | 01 | 39 | 26 | |
| | | S | | 40 | 01 | |
| | Qt | eP | | | 24 | ± |
| | | eS | | 41 | 44 | |
| 22 | Qt | eP | 03 | 20 | 32 | ± |

June, 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 22 | Qt | eP | 03 | 30 | 37 | ± |
| 22 | Qt | eP | 04 | 09 | 16 | ± |
| | | eS | | 10 | 34 | |
| 22 | Qt | eP | 08 | 55 | 47 | Onset Poor |
| 22 | Qt | eP | 15 | 47 | 57.0 | |
| 22 | Qt | iP | 15 | 48 | 50.8 | d |
| 22 | Qt | eP | 19 | 21 | 06.7 | d |
| 22 | Qt | eP | 21 | 47 | 47.8 | d |
| 23 | Qt | eP | 00 | 44 | 28.2 | |
| 23 | Qt | eP | 01 | 01 | 11.1 | e |
| 23 | Qt | eP | 01 | 48 | 55.5 | |
| 23 | Wr | P | 05 | 16 | 00 | |
| | Qt | iP | | | 13.7 | e |
| | | eS | | 25 | 17.0 | |
| 23 | Qt | eP | 07 | 13 | 35.5 | |
| | | eS | | 15 | 29.0 | |
| 23 | Wr | P | 12 | 08 | 03 | |
| | Qt | eP | | | 45.3 | |
| | | eS | | 09 | 46.5 | |
| 23 | Qt | eP | 13 | 18 | 18.5 | |
| 23 | Qt | iP | 14 | 56 | 20.5 | d |
| 23 | Qt | eP | 17 | 03 | 59 | Onset Poor |
| 23 | Wr | P | 18 | 51 | 01 | |
| | | S | | | 33 | |
| | Qt | iP | | 52 | 00.6 | e |
| | | eS | | 53 | 18.5 | |
| 23 | Qt | eP | 21 | 55 | 41.0 | |

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

Agiw:

17 JUL 1967

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

PAKISTAN

International Seismological Centre

No.GS-9(2)/63/173 Quetta, the 11th July 1967

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, 1967

Additional
June, 1967

| | | | | | |
|---|---|---|---|---|---|
| 17 | Kr | eP | 05 | 18 | 26.0 |
| | Ml | eP | | | 53.6 |
| 17 | Ml | eP | 10 | 50 | 43.0 |
| 18 | Ml | iP | 16 | 40 | 23.0d |
| 19 | Wr | eP | 12 | 10 | 26.2 |
| | | eS | | | 58.0 |
| 19 | Wr | eP | 12 | 52 | 06.8 |
| 19 | Lh | eP | 17 | 19 | 56 |
| | Kr | eP | | 20 | 41.8 |
| 20 | Wr | eP | 05 | 37 | 27.2 |
| 20 | Lh | eP | 07 | 51 | 00 |
| | | eS | 08 | 01 | 14 |
| 20 | Wr | eP | 15 | 42 | 48.4 |
| | | eS | | 43 | 10.4 |
| 21 | Wr | eP | 11 | 17 | 06.7 |
| | | eS | | | 39.9 |
| 21 | Kr | eP | 15 | 54 | 59 |
| 21 | Wr | eP | 18 | 20 | 13.6 |
| | | eS | | | 52.9 |
| | Ml | eP | | | 41.1 |
| | | eS | | 21 | 42.2 |
| | Qt | eP | | 20 | 57 ± |

H = 18 : 19 : 22
36°.3N, 68°.7E
H I N D U K U S H
Depth about 220 Km

| | | | | | |
|---|---|---|---|---|---|
| 21 | Wr | iP | 20 | 29 | 07.3c |
| | Lh | eP | | | 12 |
| 21 | Ml | eP | 20 | 36 | 26.2 |
| | | iS | | 37 | 16.5 |
| 22 | Wr | eP | 01 | 39 | 25.8 |
| | | eS | | 40 | 00.7 |
| | Ml | eP | | 39 | 44.7 |
| | | eS | | 40 | 32.8 |
| | Qt | eP | | | 24 ± |
| | | eS | | 41 | 44 |

| | Mu | Sec |
|---|---|---|
| Pn | .01 | 0.6 |

△ = 7.1
H - 01 : 38 : 40
36°.5N, 71°.0E
H I N D U K U S H
Depth about 220 km
Mag - 4.2(Qt)

June 1967

| | | | | | |
|---|---|---|---|---|---|
| 22 | Ml | eP | 04 | 08 | 09.2 |
| | | eS | | | 37.8 |
| 22 | Wr | eP | 19 | 20 | 58.4 |
| 23 | Kr | eP | 05 | 15 | 52.5 |
| 23 | Ml | eP | 07 | 12 | 30.2 |
| | | iS | | 13 | 26.5 |

Continuation

June, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | iP | 06 | 07 | 39 ±c |
| | | eS | | 08 | 28 |
| 24 | Qt | eP | 09 | 34 | 05 ± |
| 24 | Qt | eP | 14 | 47 | 55 ± |
| | | eS | | 24 | 38 |
| 24 | Qt | eP | 16 | 50 | 42 ± |
| | | eS | | 52 | 46 |
| 24 | Qt | eP | 17 | 59 | 36 ± |
| | | eS | 18 | 01 | 36 |
| 24 | Qt | eP | 18 | 26 | 52 ± |
| 24 | Qt | iP | 21 | 11 | 42 ±d |
| | | eS | | 21 | 00 |

| | Mu | Sec |
|---|---|---|
| Mh | 1.1 | 20 |

△ = 65°.2
Mag= 5.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 21 | 48 | 21 ± |
| 24 | Qt | eP | 23 | 10 | 29 ± |
| | | eS | | 11 | 47 |
| 25 | Qt | eP | 01 | 05 | 17 ± |
| 25 | Qt | eP | 03 | 46 | 22 ± |
| | | iS | | 47 | 40 |
| 25 | Qt | eP | 05 | 01 | 13 ± |
| 25 | Qt | eP | 11 | 38 | 23.0 |
| 25 | Qt | eP | 11 | 42 | 08.2 |
| 25 | Qt | eP | 13 | 40 | 15.1 |
| 25 | Qt | iP | 14 | 36 | 16.7d |
| 25 | Qt | eP | 16 | 47 | 19.2 |
| | | eS | | 49 | 22.0 |
| 25 | Qt | eP | 19 | 14 | 61.0 |
| | | eS | | 16 | 18.3 |

| | | | | | |
|---|---|---|---|---|---|
| 25 | Qt | eP | 20 | 05 | 20.5 |
| 25 | Qt | eP | 21 | 30 | 16 Onset Poor |
| 25 | Qt | eP | 21 | 37 | 59.3 |
| 25 | Lh | P | 23 | 28 | 38 |
| | | S | | 37 | 15 |
| | Qt | eP | | 29 | 20.0d |
| | | eS | | 38 | 36.0 |

| | Mu | Sec |
|---|---|---|
| MH | - 1.8 | 20 |
| △ | = 7[illegible].6 | |
| Mag= | 5.7(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 26 | Qt | eP | 03 | 50 | 30.5d |
| 26 | Qt | eP | 07 | 10 | 13.2 |
| | | eS | | 12 | 13.0 |
| 26 | Qt | eP | 12 | 31 | 32 Onset Poor |
| | | eS | | 33 | 33.0 |
| 26 | Qt | eP | 14 | 17 | 00.4 |
| 26 | Qt | eP | 15 | 31 | 42.2 |
| | | eS | | 33 | 20.2 |
| 26 | Qt | eP | 21 | 37 | 39.3d |
| 26 | Qt | eP | 23 | 06 | 59 Onset Poor |
| 27 | Qt | eP | 15 | 04 | 47.0c |
| 27 | Qt | eP | 17 | 01 | 45.5c |
| 27 | Qt | eP | 17 | 26 | 24.5 |
| 27 | Qt | iP | 20 | 45 | 08.5c |
| | | e(S) | | 55 | 12.0 |
| 27 | Qt | eP | 21 | 08 | 43.4d |
| 27 | Qt | iP | 21 | 36 | 57.8d |
| 27 | Qt | eP | 21 | 44 | 45.8 |
| 27 | Qt | eP | 21 | 49 | 59.8 |
| | | eS | 22 | 00 | 04.0 |
| | Wr | P | 21 | 50 | 12 |
| 27 | Qt | iP | 23 | 15 | 30.4c |
| 28 | Qt | eP | 00 | 28 | 00.1 |
| 28 | Qt | iP | 01 | 20 | 45.0c |
| 28 | Qt | eP | 13 | 38 | 53.6 |
| | | iS | | 40 | 16.2 |
| 28 | Qt | eP | 14 | 52 | 47.6c |
| 28 | Qt | eP | 15 | 19 | 28.3d |
| 28 | Qt | eP | 22 | 38 | 01.6 |
| 28 | Qt | iP | 23 | 15 | 29.0c |
| 29 | Qt | eP | 04 | 35 | 33.3 |
| 29 | Qt | eP | 05 | 05 | 36.6 |
| 29 | Qt | eP | 08 | 27 | 40 Onset Poor |

June, 1967

| | | | | | |
|---|---|---|---|---|---|
| 29 | Qt | eP | 12 | 22 | 28.5 |
| | | e(S) | | | 50.4 |
| | Wr | P | | | 29 |
| 29 | Wr | P | 16 | 47 | 03 |
| | | S | | 55 | 47 |
| | Qt | iP | | 47 | 15.0c |
| | | eS | | 56 | 28.4 |
| 29 | Qt | eP | 17 | 15 | 18.6 |
| 29 | Qt | eP | 19 | 52 | 42.4 |
| | | iS | | 54 | 04.2 |
| 29 | Qt | eP | 23 | 51 | 25.3c |
| | Wr | P | | 53 | 07 |
| 30 | Qt | eP | 19 | 41 | 47.4 |

(K.M.Siddiqi)
for
Director,
Meteorological [illegible]

International Seismological Centre

26 JUL 1967

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
GEOPHYSICAL INSTITUTE
POST BOX NO. 42, QUETTA

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ 169 Quetta, the 15th July 1967

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 July 1967 to 8th July 1

**Additional**

June, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | eP | 06 | 06 | 10.2 |
| | | eS | | | 41.8 |
| | Ml | eP | | | 35.3 |
| | | iS | | 07 | 18.8 |
| | Qt | iP | | | 09.c |
| | | eS | | 08 | 28 |

| | Mu | Sec |
|---|---|---|
| PZ : | .02 | 0.6 |

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

H = 06 : 05 : 28
36°.5N, 70°.3E
H I N D U K U S H
Depth about 160 km
Mag = 4.5 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | eP | 17 | 58 | 31.1 |
| 24 | Lh | eP | 21 | 11 | 01 |
| | | eS | | 19 | 37 |
| | Wr | iP | | 11 | 15.6d |
| 25 | Ml | eP | 03 | 45 | 50.0 |
| | | eS | | 46 | 40.7 |
| 28 | Wr | eP | 01 | 20 | 09.2 |
| 28 | Wr | eP | 13 | 37 | 51.8 |
| | | iS | | 38 | 24.6 |
| 29 | Wr | eP | 04 | 35 | 28 |
| 29 | Wr | eP | 08 | 27 | 53.2 |
| 29 | Ml | eP | 12 | 22 | 30.7 |
| | Lh | eP | | | 38 |
| 29 | Wr | eP | 19 | 51 | 35.5 |
| | | eS | | 52 | 05.0 |

**Continuation:**
July 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 00 | 13 | 20.2 |
| 1 | Qt | eP | 06 | 44 | 42.0c |
| 1 | Wr | P | 07 | 36 | 55 |
| | Qt | eP | | | 57.8c |
| | | eS | | 43 | 10.0 |

| | Mu | Sec |
|---|---|---|
| MH = | 5.7 | 20 |

$\triangle = 41^{o}.6$

Mag : 5.7 (Qt)

JULY

~~June~~, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 15 | 47 | 17.2d |
| | | eS | | 50 | 22.2 |
| 1 | Qt | eP | 17 | 24 | 32.2c |
| | | eS | | 25 | 50.0 |
| 1 | Qt | eP | 21 | 34 | 53.4d |
| 1 | Lh | P | 23 | 22 | 21 |
| | | S | | 32 | 41 |
| | Wr | P | | 22 | 25 |
| | | S | | 32 | 38 |
| | Qt | iP | | 22 | 52.1c |
| | | iS | | 33 | 20.0 |

| | Mu | Sec |
|---|---|---|
| MH = | 30.4 | 20 |

$\triangle = 85^{o}.0$

Mag= 6.6(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 2 | Qt | eP | 02 | 02 | 31.6 |
| | | eS | | 03 | 48.3 |
| 2 | Ch | P | 07 | 07 | 07 |
| | | S | | 09 | 33 |
| | Lh | P | | | 52 |
| | Wr | P | | 10 | 21 |
| | Qt | eP | | | 26.2c |
| | | iS | | 15 | 48.2 |
| 2 | Wr | P | 07 | 48 | 00 |
| | Qt | eP | | | 36.2c |
| 2 | Lh | P | 08 | 33 | 14 |
| | | S | | | 39 |
| | Wr | P | | | 37 |
| | | S | | 34 | 19 |
| | Qt | eP | | | 34.0 |

| | Mu | Sec |
|---|---|---|
| PZ | .03 | 0.9 |

$\triangle = 6^{o}.6$

H = 08 : 32 : 41
33°.3N, 75°.6E
K A S H M I R
Mag= 4.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 2 | Qt | eP | 13 | 12 | 55.5 |
| 2 | Qt | eP | 13 | 33 | 34 Onset Poor |
| 2 | Qt | eP | 14 | 16 | 12.8 |

| | | | | | |
|---|---|---|---|---|---|
| 2 | Qt | eP | 14 | 25 | 49 Onset Poor |
| 2 | Qt | eP | 16 | 18 | 34.0 |
| 2 | Qt | eP | 16 | 26 | 12.7c |
| 2 | Qt | eP | 18 | 31 | 20.2 |
| | | eS | | 32 | 51.3 |
| 2 | Qt | eP | 18 | 42 | 54.4 |
| 2 | Qt | eP | 20 | 43 | 41.7d |
| 2 | Qt | eP | 22 | 11 | 29.4c |
| 3 | Qt | eP | 03 | 53 | 46.6 |
| 3 | Qt | eP | 22 | 01 | 29.9 |
| 4 | Qt | eP | 03 | 33 | 17.7 |
| 4 | Qt | ePKP | 14 | 36 | 31.0c |
| | | ePP | | 37 | 26.6 |
| | | ePPP | | 39 | 54.0 |
| | Wr | ePKP | | 36 | 43 |
| 4 | Qt | eP | 15 | 50 | 15.0 |
| 4 | Qt | eP | 21 | 35 | 27 Onset Poor |
| 4 | Wr | P | 23 | 51 | 27 |
| | | S | | 58 | 55 |
| | Qt | iP | | 52 | 04.7c |
| | | eS | 00 | 00 | 04.0 |
| | | iX | | 01 | 08.0 |
| 5 | Qt | eP | 01 | 00 | 34.3d |
| 5 | Qt | eP | 04 | 15 | 50.8 |
| 5 | Qt | iP | 13 | 52 | 45.0d |
| 5 | Qt | eP | 16 | 56 | 15.1 |
| 5 | Qt | eP | 20 | 01 | 14.0 |
| 5 | Qt | eP | 21 | 18 | 24.1d |
| 6 | Qt | eP | 05 | 18 | 37.3c |
| 6 | Qt | eP | 08 | 29 | 09.1d |
| | Wr | P | 13 | 54 | 29 |
| | | S | 14 | 04 | 44 |
| | Lh | P | 13 | 54 | 34 |
| | | S | 14 | 04 | 45 |
| | Qt | iP | 13 | 54 | 57.1c |
| | | eS | 14 | 05 | 23.1 |

| Mu | Sec |
|---|---|
| MH = 9.5 | 20 |
| $\Delta$ = 85°.2 | |
| Mag = 6.2(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 6 | Qt | eP | 16 | 26 | 55.4c |
| 6 | Qt | eP | 19 | 03 | 36.2 |
| | | e(S) | | 07 | 50.0 |
| | Wr | P | | 04 | 29 |
| | Lh | P | | | 38 |
| | | S | | 09 | 22 |
| 6 | Qt | eP | 19 | 33 | 29 |
| 6 | Qt | eP | 22 | 07 | 31.1d |
| 6 | Qt | eP | 23 | 25 | 07.3 |



| | | | | | |
|---|---|---|---|---|---|
| 7 | Qt | eP | 01 | 14 | 56.0 |
| | | eS | | 19 | 14.3 |
| 7 | Qt | eP | 03 | 09 | 19.2d |
| 7 | Qt | eP | 04 | 46 | 12.7 |
| 7 | Qt | eP | 06 | 55 | 50.1c |
| 7 | Qt | eP | 10 | 00 | 02.3 |
| 7 | Qt | iP | 13 | 38 | 20.5c |
| 7 | Qt | eP | 22 | 04 | 35.3 |
| 7 | Qt | eP | 23 | 01 | 25.7 |
| 7 | Qt | eP | 23 | 53 | 35 Onset Poor |
| 8 | Qt | eP | 00 | 52 | 25.2 |
| | | eS | | 57 | 04.2 |
| 8 | Qt | eP | 01 | 16 | 24 Onset Poor |
| 8 | Qt | eP | 10 | 44 | 06.4 |
| 8 | Qt | eP | 19 | 28 | 42 Onset Poor |
| 8 | Qt | eP | 23 | 27 | 21.1 |
| | | e(S) | | 29 | 45.3 |

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

International Seismological Centre

31 JUL 1967

International Seismological Centre

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

P A K I S T A N

No.SS-9(2)/63/ 295

Quetta, the 21 st July 1967

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

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

Provisional Readings at Seismological Stations from 9th July 1967 to 15th July 1967

Additional
July 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Ch | eP | 07 | 34 | 13 |
| | | eS | | 38 | 45 |
| 1 | Wr | eP | 17 | 23 | 39.7 |
| 2 | Wr | eP | 02 | 01 | 29 ± |
| | | e(S) | | 02 | 03.1 |
| 2 | Ml | eP | 07 | 10 | 05.3 |
| 2 | Ml | eP | 08 | 33 | 09.6 |
| 2 | Ml | eP | 18 | 29 | 53.2 |
| | | eS | | 30 | 11.2 |
| | Wr | eP | | | 24.1 |
| | | e(S) | | 31 | 02.7 |
| | Qt | eP | | | 20.2 |
| | | eS | | 32 | 51.3 |

H - 18 : 29 : 22
33°.2N, 76°.0E
KASHMIR
Depth about 100 km.

| | | | | | |
|---|---|---|---|---|---|
| 5 | Wr | eP | 01 | 00 | 52 Onset Poor |
| 6 | Kr | eP | 13 | 55 | 20.7 |
| 6 | Kr | e(P) | 19 | 02 | 01.8 |
| 7 | Wr | eP | 13 | 37 | 58.7 |
| 7 | Wr | eP | 23 | 52 | 31.1 |
| 8 | Ml | eP | 23 | 26 | 06.7 |
| | | eS | | 27 | 32.5 |
| | Wr | eP | | 26 | 11.8 |
| | | eS | | 27 | 35.7 |
| | Qt | eP | | | 21.1 |
| | | eS | | 29 | 45.3 |

H - 23 : 24 : 16
39°.6N, 78°.2E
Sinkiang Province, China
Depth about 33 km

Continuation
July 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 15 | 53 | 09.6 |
| 9 | Qt | eP | 20 | 16 | 39.6d |
| 9 | Qt | eP | 23 | 16 | 45 Onset Poor |
| 10 | Qt | eP | 01 | 52 | 06 Onset Poor |
| 10 | Qt | eP | 03 | 28 | 26.2 |
| 10 | Qt | iP | 03 | 47 | 28.5d |
| 10 | Qt | eP | 11 | 00 | 44.8c |
| 10 | Qt | iP | 12 | 10 | 21.9d |
| 10 | Qt | iP | 12 | 12 | 16.4d |
| | | e(S) | | 17 | 28.2 |
| | | iX | | 25 | 00.0 |
| 10 | Qt | eP | 16 | 02 | 00.3 |
| 10 | Qt | iP | 18 | 29 | 44.2d |
| 10 | Qt | eP | 19 | 28 | 20.6d |
| | | eS | | 34 | 38.0 |
| 11 | Qt | eP | 00 | 13 | 43.5 |
| 11 | Qt | eP | 01 | 27 | 00.0 |
| 11 | Qt | eP | 04 | 30 | 05.2 |
| | | iX | | | 17.2 |
| 11 | Qt | eP | 17 | 49 | 31.7d |
| 12 | Qt | eP | 10 | 44 | 39.6d |
| 12 | Qt | eP | 13 | 32 | 02 |
| | | eS | | 33 | 15.0 |
| 12 | Qt | eP | 19 | 03 | 08.5 |
| 12 | Qt | ePKP | 21 | 19 | 34.0 |
| 13 | Qt | eP | 02 | 19 | 57.7d |
| | Wr | P | | 20 | 10 |
| 13 | Qt | eP | 14 | 40 | 04 Onset Poor |
| | Wr | P | | | 07 |
| 13 | Qt | eP | 17 | 14 | 04.5d |
| 13 | Qt | eP | 21 | 06 | 45.7 |
| | | eS | | 08 | 36.8 |
| 14 | Qt | eP | 09 | 17 | 16.3 |

July 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 14 | Qt | eP | 11 | 49 | 33 | Onset Poor |
| 14 | Wr | P | 11 | 54 | 55 | |
| | | S | | 55 | 20 | |
| | Qt | eP | | | 53.5c | |
| | | eS | | 57 | 00.0 | |
| 14 | Qt | eP | 14 | 05 | 58.8d | |
| 14 | Qt | eP | 14 | 31 | 43.5d | |
| | Wr | P | | 32 | 29 | |
| 14 | Qt | eP | 18 | 44 | 12.0 | |
| | | eX | | 45 | 47.2 | |
| 14 | Qt | eP | 22 | 49 | 36.2 | |
| 15 | Qt | eP | 01 | 26 | 48 | Onset Poor |

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 15 | Qt | eP | 04 | 04 | 44.2 |
| | | eX | | 06 | 53.7 |
| 15 | Qt | eP | 08 | 26 | 57.5 |
| 15 | Qt | eP | 10 | 39 | 06.2c |
| 15 | Qt | eP | 14 | 06 | 15 Onset Poor |
| | | eX | | 09 | 56.3 |
| 15 | Wr | P | 14 | 50 | 20 |
| | Qt | eP | | | 39.5c |
| 15 | Wr | P | 15 | 34 | 03 |
| | Qt | eP | | | 49.6 |
| 15 | Qt | iP | 17 | 11 | 14.6c |
| | | eS | | 12 | 32.2 |
| 15 | Qt | eP | 23 | 02 | 34.3 |

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

International Seismological Centre

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PAKISTAN

No.SS-9(2)/63/5/2 Quetta, the 27th July 1967

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

Provisional Readings at Seismological Stations from 16th to 23rd July 1967

Additional
July 1967

| | | | | | |
|---|---|---|---|---|---|
| 10 | Ml | iP | 12 | 10 | 00.7c |
| 10 | Wr | eP | 19 | 28 | 02.8 |
| 11 | Wr | eP | 04 | 29 | 47.8 |
| 12 | Wr | eP | 13 | 30 | 59.6 |
| | Ml | eP | | 31 | 24.3 |
| | | eS | | 32 | 07.2 |
| | Qt | eP | | | 02.0 |
| | | eS | | 33 | 15.0 |

H - 13 : 30 : 28
35°.7N, 70°.8E
H I N D U K U S H Region
Depth about 160 Km.

| | | | | | |
|---|---|---|---|---|---|
| 12 | Wr | ePKP | 21 | 19 | 41 ± |
| 13 | Wr | eP | 14 | 40 | 06.6 |
| 13 | Ml | iP | 21 | 05 | 36.2 |
| | | iS | | 06 | 29.7 |
| | Wr | eP | | 05 | 41 ± |
| | | eS | | 06 | 28.7 |
| 14 | Wr | eP | 09 | 17 | 06.2 |
| 14 | Wr | eP | 11 | 54 | 54.8 |
| | | iS | | 55 | 20.4 |
| | Ml | eP | | | 18.8 |
| | | iS | | 56 | 03.0 |
| | Qt | eP | | 55 | 53.5c |
| | | eS | | 57 | 00.0 |

H - 11 : 54 : 23
35°.5N, 70°.6E
Hindukush Region
Depth about 160 km
Mag - 4.3(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 14 | Wr | eP | 18 | 44 | 42 ± |

Continuation
July 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 00 | 41 | 25.7 |
| 16 | Qt | eP | 07 | 48 | 40.2 |
| | | e(S) | | 52 | 13.6 |

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 09 | 42 | 51 Onset poor |
| | | e(S) | | 45 | 17.3 |
| 16 | Qt | eP | 10 | 02 | 07.7 |
| 16 | Qt | eP | 10 | 12 | 59.8 |
| 16 | Lh | P | 13 | 45 | 05 |
| | | S | | 53 | 35 |
| | Wr | P | | 45 | 21 |
| | Qt | eP | | | 37.4d |
| | | eS | | 54 | 44.2 |

| | Mn | Sec |
|---|---|---|
| MH | 16.8 | 20 |

Δ - 70°.0
Mag-6.3(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 15 | 56 | 20.1d |
| | | eS | | 57 | 34.6 |
| 16 | Qt | eP | 20 | 59 | 32.3 |
| 17 | Qt | eP | 01 | 16 | 44.2d |
| | | eS | | 18 | 06.5 |
| 17 | Qt | iP | 07 | 58 | 44.5d |
| | | eS | 08 | 00 | 16.5 |
| 17 | Qt | eP | 09 | 59 | 00.0 |
| | | eS | 10 | 00 | 19.5 |
| 17 | Qt | eP | 11 | 40 | 47.5c |
| 17 | Qt | eP | 12 | 46 | 20.4d |
| 17 | Qt | eP | 17 | 56 | 20.6 |
| | | iX | 18 | 00 | 51.4 |
| 17 | Qt | eP | 19 | 04 | 51.5 |
| 18 | Wr | P | 06 | 30 | 30 |
| | | S | | 31 | 15 |
| | Qt | eP | | | 37.3 |
| | | eS | | 33 | 14.6 |
| 18 | Qt | eP | 09 | 30 | 21.1 |
| | | eS | | 31 | 39.2 |
| 18 | Qt | iP | 17 | 09 | 30.6d |
| 18 | Qt | eP | 18 | 10 | 48.3d |
| | | eS | | 12 | 11.7 |
| 18 | Qt | eP | 20 | 25 | 11.7 |
| 18 | Qt | eP | 22 | 51 | 29.2c |
| | | eS | | 52 | 51.5 |
| 19 | Qt | eP | 12 | 59 | 22.7d |

International Seismological Centre

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 19 | Wr | P | 17 | 28 | 46 |
| | | (S) | | 29 | 18 |
| | Qt | eP | | | 50.6 |
| | | eS | | 30 | 56.7 |
| 19 | Qt | eP | 20 | 49 | 45.2d |
| 20 | Wr | P | 05 | 57 | 50 |
| | Qt | eP | | 58 | 05.0c |
| 20 | Qt | eP | 09 | 14 | 33.5d |
| 20 | Wr | P | 11 | 52 | 54 |
| | Qt | iP | | 53 | 09.6 |
| 20 | Wr | P | 13 | 28 | 44 |
| | Qt | eP | | 29 | 36.3 |
| | | eX | | 31 | 20.3 |
| 20 | Wr | P | 14 | 37 | 45 |
| | Qt | eP | | 38 | 15.7 |
| 20 | Lh | P | 15 | 46 | 36 |
| | | S | | 54 | 51 |
| | Wr | P | | 46 | 55 |
| | Kr | P | | 47 | 15 |
| | Qt | eP | | | 15.6c |
| | | eS | | 56 | 08.0 |

| | Mu | Sec |
|---|---|---|
| MH : | 12.4 | 20 |
| | △ - 67°.5 | |
| | Max - 6.2(Qt) | |

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 20 | Wr | P | 20 | 05 | 50 |
| | Qt | eP | | 06 | 55.7 |
| | | eS | | 08 | 04.3 |
| 20 | Qt | eP | 23 | 30 | 39.8d |
| | | iX | | 33 | 20.0 |
| 20 | Qt | eP | 23 | 50 | 56 |
| | | eS | | 52 | 07.5 |
| 21 | Qt | eP | 07 | 10 | 44.2 |
| 21 | Qt | eP | 13 | 04 | 35.2 |
| 21 | Qt | eP | 17 | 34 | 16.2 |
| | | eS | | 35 | 15.0 |
| 22 | Qt | eP | 04 | 16 | 00.1 |
| | Wr | P | | | 53 |
| 22 | Qt | eP | 06 | 59 | 52.9 |
| 22 | Qt | eP | 08 | 08 | 20.2d |
| 22 | Qt | eP | 09 | 28 | 05.1 |
| | | eS | | 29 | 12.7 |
| 22 | Wr | P | 10 | 01 | 56 |
| | | S | | 02 | 38 |
| | Qt | eP | | 02 | 37.3 |
| | | e(S) | | 04 | 12.2 |
| 22 | Wr | P | 13 | 47 | 53 |
| | Qt | eP | | 48 | 45.3 |
| | | e(S) | | 50 | 20.2 |
| 22 | Qt | eP | 14 | 07 | 12.6 |
| 22 | Qt | eP | 17 | 03 | 12.5d |
| | | eS | | 08 | 20.0 |
| | Wr | P | | 03 | 29 |
| | Kr | P | | | 41 |
| | Lh | P | | | 57 |
| | Ch | P | | 06 | 24 |
| | | (S) | | 13 | 56 |

H - 16 : 56 : 50
Western Turkey
Heavy Loss of Life reported.

| | | | | | |
|---|---|---|---|---|---|
| 22 | Qt | eP | 18 | 16 | 14.0 |
| | Wr | P | | | 30 |
| 22 | Qt | eP | 23 | 48 | 17.3 |
| 23 | Wr | P | 01 | 17 | 29 |
| | | S | | 18 | 00 |
| | Qt | eP | | | 32.2d |
| | | iS | | 20 | 01.0 |
| 23 | Qt | eP | 03 | 49 | 45.2 |
| | | eS | | 51 | 06.2 |
| 23 | Qt | eP | 07 | 16 | 39.0d |
| 23 | Qt | eP | 14 | 58 | 49.7 |
| | | eS | 15 | 00 | 03.6 |
| 23 | Qt | eP | 15 | 15 | 40.6 |
| | | e(S) | | 18 | 54.2 |
| 23 | Qt | eP | 22 | 34 | 23.8 |
| 23 | Qt | eP | 23 | 25 | 06 Onset Poor |

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

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**P A K I S T A N**

Quetta, the 24th August, 1967

No.SS-9(2)/63/5/2

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

Provisional Readings at Seismological Stations from 24th July 1967 to 31st July'67

Additional

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Wr | eP | 07 | 48 | 20.3 |
| 16 | Wr | eP | 09 | 41 | 41 ± |
| | | eS | | 43 | 11 ± |
| 16 | Ml | eP | 13 | 45 | 10.9 |
| 16 | Wr | eP | 15 | 55 | 22.4 |
| | | iS | | | 56.2 |
| | Ml | iP | | | 39.2 |
| | | iS | | 56 | 26.3 |
| | Qt | eP | | | 20.1d |
| | | e(S) | | 57 | 34.6 |

H - 15 : 54 : 38
36°.1N, 71°.1E
HINDUKUSH
Depth about 250 km

| | | | | | |
|---|---|---|---|---|---|
| 17 | Wr | eP | 07 | 57 | 38.8 |
| 17 | Wr | eP | 09 | 57 | 55.6 |
| | | iS | | 58 | 24.0 |
| | Ml | iP | | | 17.4c |
| | | iS | | 59 | 02.6 |
| | Qt | eP | | | 00.0 |
| | | eS | 10 | 00 | 19.5 |

H - 09 : 57 : 18
36°.2N, 71°.1E
HINDUKUSH
Depth about 160 km

| | | | | | |
|---|---|---|---|---|---|
| 17 | Wr | eP | 12 | 45 | 44.7 |
| 19 | Wr | eP | 17 | 28 | 46 |
| | Ml | eP | | 29 | 16.5 |
| | Lh | eP | | | 37 |
| | | eS | | 30 | 38 |
| | Qt | eP | | 29 | 50.6c |
| | | eS | | 30 | 56.7 |

H - 17 : 28 : 21
35°.5N, 70°.5E
HINDUKUSH,
Depth about 96 km

| | | | | | |
|---|---|---|---|---|---|
| 20 | Ch | eP | 15 | 44 | 31 |
| | | eS | | 50 | 07 |

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 21 | Wr | eP | 07 | 10 | 44.4 |
| 22 | Lh | eP | 13 | 47 | 16 |
| | | eS | | | 40 |
| | Wr | eP | | | 53 ± |
| | Qt | eP | | 48 | 45.3 |
| | | eS | | 50 | 20.2 |

H - 13 : 47 : 01
32°.3N, 74°.9E
Near Sialkot, West Pakistan

| | | | | | |
|---|---|---|---|---|---|
| 22 | Wr | eP | 14 | 07 | 24.9 |
| 22 | Ml | eP | 17 | 03 | 48.0 |
| 23 | Ml | eP | 01 | 17 | 47.0 |
| 23 | Wr | iP | 03 | 48 | 43.0 |
| | | iS | | 49 | 15.6 |
| | Ml | eP | | | 03.2 |
| | Qt | eP | | | 45.2 |
| | | eS | | 51 | 06.2 |

H - 03 : 48 : 00
36°.5N, 71°.3E
HINDUKUSH
Depth about 190 km

| | | | | | |
|---|---|---|---|---|---|
| 23 | Wr | eP | 14 | 57 | 42.8 |
| | | eS | | 58 | 12.0 |

Continuation:

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | iP | 07 | 49 | 49.2d |
| | | eS | | 58 | 10.2 |
| 24 | Wr | P | 11 | 33 | 45 |
| | Qt | eP | | 34 | 35.2 |
| 24 | Qt | eP | 15 | 38 | 10 Onset Poor |
| 25 | Qt | eP | 00 | 43 | 21 Onset Poor |
| 25 | Qt | eP | 04 | 18 | 48.5 |
| 25 | Qt | eP | 13 | 03 | 16 Onset Poor |
| | | e(S) | | 06 | 18.0 |
| 26 | Qt | eP | 02 | 07 | 10.6 |

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 26 | Qt | eP | 03 | 34 | 03.6c |
| | | eS | | 35 | 20.1 |
| 26 | Qt | eP | 06 | 50 | 05.8d |
| 26 | Qt | eP | 12 | 28 | 54 Onset Poor |
| 26 | Qt | eP | 16 | 39 | 50.4c |
| 26 | Qt | eP | 18 | 58 | 10.6d |
| | | eS | 19 | 02 | 26.0 |

| | | Mu | Sec |
|---|---|---|---|
| | PZ | .05 | 0.9 |
| | MH | 10°.6 | 20 |
| | △ | - 24°.6 | |

| | | | | |
|---|---|---|---|---|
| Wr | P | 18 | 58 | 27 |
| Lh | P | | | 57 |
| | S | 19 | 03 | 50 |

Eastern Turkey
Mag - 5.5 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 27 | Qt | eP | 00 | 21 | 55 Onset poor |
| 27 | Qt | eP | 01 | 44 | 20.0 |
| | | e(S) | | 48 | 30.2 |
| 27 | Qt | eP | 11 | 46 | 19.0d |
| | Wr | P | | | 48 |
| 27 | Qt | eP | 16 | 47 | 42.6d |
| 27 | Wr | P | 21 | 39 | 49 |
| | | S | | 40 | 22 |
| | Qt | eP | | | 50.8 |
| | | iS | | 42 | 11.2 |
| 28 | Qt | eP | 00 | 09 | 13.7 |
| 28 | Qt | eP | 10 | 00 | 22.8 |
| 28 | Qt | eP | 15 | 45 | 26.6 |
| 28 | Qt | iP | 17 | 35 | 14.5e |
| 28 | Qt | eP | 20 | 17 | 04.4d |
| 28 | Qt | eP | 23 | 51 | 14.5d |
| 29 | Qt | ePKP | 10 | 43 | 11.6 |
| | Ch | PKP | | | 52 |
| | | PP | | 47 | 54 |
| 29 | Wr | P | 14 | 12 | 52 |
| | | S | | 13 | 18 |
| | Qt | eP | | | 50.3 |
| | | eS | | 15 | 00.e |
| 29 | Qt | eP | 14 | 45 | 17.6 |
| | | eS | | 46 | 38.9 |
| 29 | Qt | eP | 19 | 58 | 25.2 |
| | | eS | | 59 | 30.5 |
| 30 | Qt | ePKP | 00 | 18 | 52.5 |
| | | ePP | | 20 | 40.6 |
| | | eSKS | | 26 | 02.0 |
| | Lh | PKP | | 20 | 47 |
| 30 | Qt | eP | 01 | 37 | 22.2 |
| | Wr | P | | | 37 |
| 30 | Qt | eP | 03 | 45 | 30.4 |
| 30 | Qt | eP | 09 | 53 | 25.7 |

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 30 | Ch | P | 13 | 46 | 00 |
| | Lh | P | | 47 | 40 |
| | | S | | 57 | 59 |
| | Wr | P | | 47 | 52 |
| | Qt | iP | | 48 | 09.0e |
| | | eS | | 58 | 40.0 |

| | Mu | Sec |
|---|---|---|
| MH | - 2.4 | 20 |
| △ | - 82°.4 | |
| Mag | 5.9(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 30 | Qt | eP | 17 | 42 | 30.5 |
| 30 | Qt | eP | 18 | 30 | 08.6e |
| 30 | Qt | eP | 20 | 32 | 21.9 |
| 30 | Qt | eP | 22 | 40 | 14.5d |
| 30 | Qt | eP | 23 | 14 | 04.0d |
| 31 | Qt | eP | 19 | 01 | 48.8 |
| 31 | Qt | eP | 23 | 55 | 19.8d |

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for
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Meteorological Services.

International Seismological Centre

22 AUG 1967

International Seismological Centre

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

PAKISTAN

No.SS-9(2)/63/1047 Quetta, the 16th August, 1967

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

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

Provisional Readings at Seismological Stations from 1st to 8th August, 1967

Additional
July 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | eP | 07 | 49 | 39.9 |
| | | eS | | 57 | 51.4 |
| 26 | Wr | eP | 03 | 33 | 08.4 |
| | | eS | | | 38.4 |
| | Ml | eP | | | 28.5 |
| | | eS | | 34 | 16.3 |
| | Qt | eP | | | 03.6e |
| | | eS | | 35 | 20.1 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.01 | 0.5 |

H - 03 : 32 : 26
36°.0N, 70°.8E
HINDUKUSH
Depth about 250 km
Mag - 4.1(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 26 | Wr | iP | 18 | 58 | 27.0e |
| | Kr | e(P) | | | 44.5 |
| 27 | Wr | eP | 21 | 39 | 48.6 |
| | | eS | | 40 | 21.7 |
| | Ml | iP | | | 07.7d |
| | | iS | | | 56.0 |
| | Qt | eP | | | 50.8 |
| | | iS | | 42 | 11.2 |

H - 21 : 39 : 05
36°.3N, 71°.3E
HINDUKUSH
Depth about 223 km

| | | | | | |
|---|---|---|---|---|---|
| 28 | Wr | iP | 17 | 35 | 11.9e |
| 29 | Wr | ePKP10 | | 43 | 11.9 |
| | Kr | ePKP | | 44 | 03.0 |

July 1967

| | | | | | |
|---|---|---|---|---|---|
| 29 | Wr | iP | 14 | 12 | 51.9 |
| | | iS | | 13 | 18.1 |
| | Ml | iP | | | 10.1d |
| | | iS | | 14 | 02.0 |
| | Qt | eP | | 13 | 50.3 |
| | | eS | | 15 | 00.0 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.04 | 0.5 |

H - 14 : 12 : 18
35°.3N, 71°.2E
Pakistan Afghanistan border
Depth about 223 km
Mag - 4.8(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 29 | Wr | eP | 14 | 44 | 18.2 |
| | | eS | | | 51.2 |
| 30 | Wr | ePKP00 | | 18 | 53 ± |
| 30 | Wr | eP | 20 | 31 | 43.3 |

Continuation:

August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 01 | 33 | 11.6d |
| 1 | Qt | eP | 12 | 29 | 04.6e |
| 1 | Qt | eP | 16 | 48 | 20.2 |
| 1 | Qt | eP | 16 | 57 | 44.5 |
| | Wr | P | | | 53 |
| 2 | Qt | iP | 00 | 54 | 51.1d |
| 2 | Qt | eP | 06 | 43 | 03.6 |
| 2 | Wr | P | 11 | 16 | 06 |
| | Qt | eP | | | 23.6 |
| | | eS | | 24 | 18.2 |
| 2 | Qt | eP | 13 | 58 | 01.4 |
| 2 | Wr | P | 14 | 15 | 47 |
| | Qt | iP | | 16 | 03.5d |
| | | eS | | 24 | 00.0 |

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August, 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Wr | P | 18 | 26 | 10 | |
| | Qt | eP | | | 11.5d | |
| 2 | Qt | eP | 23 | 03 | 54.9 | |
| | | eS | | 05 | 16.1 | |
| 3 | Qt | eP | 08 | 29 | 35 | Onset Poor |
| 3 | Qt | eP | 09 | 01 | 57.3 | |
| 3 | Qt | eP | 14 | 53 | 24.4 | |
| 3 | Qt | eP | 17 | 20 | 48.5 | |
| 3 | Qt | iP | 21 | 01 | 32.4d | |
| | | eS | | 03 | 03.5 | |
| 3 | Qt | eP | 21 | 50 | 00.8d | |
| 3 | Qt | eP | 23 | 29 | 13.9 | |
| 4 | Qt | eP | 07 | 02 | 47.5 | |
| 4 | Wr | P | 08 | 07 | 25 | |
| | | (S) | | | 52 | |
| | Qt | eP | | 08 | 15 | Onset Poor |
| | | eS | | 09 | 40.0 | |
| 4 | Wr | P | 21 | 17 | 08 | |
| | | S | | | 40 | |
| | Qt | eP | | 18 | 22.7 | |
| | | eS | | 19 | 52.4 | |
| 5 | Qt | eP | 15 | 39 | 52.5 | |
| 5 | Qt | eP | 18 | 40 | 20.4 | |
| 5 | Qt | eP | 19 | 41 | 54.3 | |
| | | eS | | 43 | 05.3 | |
| 5 | Qt | eP | 20 | 56 | 17.7 | |
| 5 | Qt | eP | 22 | 14 | 25.4 | |
| 5 | Qt | iP | 22 | 31 | 30.9d | |
| | | eS | | 32 | 48.7 | |
| 6 | Qt | eP | 00 | 23 | 19.5 | |
| 6 | Qt | eP | 01 | 57 | 02 | |
| | Wr | P | | | 25 | |
| 6 | Qt | iP | 05 | 37 | 44.7e | |
| 6 | Qt | eP | 08 | 33 | 06.1 | |
| | | eS | | 34 | 22.7 | |
| 6 | Wr | P | 10 | 32 | 14 | |
| | | S | | 33 | 04 | |
| | Qt | iP | | | 21.2e | |
| | | eS | | 35 | 07.0 | |
| 6 | Wr | P | 17 | 20 | 14 | |
| | Qt | eP | | | 18.9d | |
| 6 | Qt | eP | 20 | 43 | 03.7d | |
| 6 | Qt | iP | 22 | 58 | 38.2d | |
| 6 | Qt | eP | 23 | 16 | 38.9d | |

August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 7 | Qt | iP | 05 | 51 | 41.3e |
| | | e(S) | | 52 | 55.0 |
| 7 | Qt | eP | 10 | 10 | 18.8 |
| | | eS | | 11 | 48.3 |
| 7 | Qt | eP | 11 | 27 | 15.6 |
| | | eX | | 30 | 30.5 |
| 7 | Qt | eP | 17 | 26 | 06.0d |
| 7 | Qt | eP | 19 | 35 | 44.2d |
| 8 | Qt | eP | 08 | 27 | 57.8 |
| 8 | Qt | iP | 09 | 06 | 18.4d |
| | | eS | | 07 | 28.3 |
| 8 | Qt | eP | 10 | 47 | 33.2 |
| 8 | Qt | iP | 16 | 16 | 05.8d |
| | | eX | | | 49.4 |

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P A K I S T A N

No.SS.9(2)/63/1141 Quetta, the 19th August, 1967.

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, 1967

Additional
August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Wr | eP | 01 | 33 | 11.7 |
| 2 | Wr | iP | 00 | 54 | 13.9d |
| 2 | Lh | eP | 18 | 25 | 41 |
| 3 | Wr | iP | 21 | 00 | 27.9d |
| | | iS | | 01 | 0.0 |
| | Ml | iP | | 00 | 42.1d |
| | | iS | | 01 | 33.4 |
| | Qt | iP | | | 32.4d |
| | | eS | | 03 | 03.5 |

H = 20 : 59 : 34
37.1N, 72°.1E
HINDUKUSH
Depth about 223 km.

| | | | | | |
|---|---|---|---|---|---|
| 4 | Wr | iP | 07 | 01 | 53.8 |
| | | e( ) | | 05 | 02.3 |
| 5 | Wr | eP | 19 | 41 | 03.6 |
| 5 | Wr | [illegible] | 22 | 30 | 33.8 |
| | | eS | | 31 | 05.8 |
| 6 | Wr | iP | 10 | 32 | 14.2d |
| | | eS | | 33 | [illegible] |
| | Ml | eP | | 32 | 19.4 |
| | | iS | | 33 | 10.1 |
| | Qt | iP | | | 21.2c |
| | | eS | | 35 | 07.0 |
| | | Mu | | | Se 0 |
| | | [illegible] | | .02 | 0.6 |

H = 10 : 31 : 09
37°.5N, 73°.9 E
Pak. S.S.R. border
Depth about 223 km.
Mag- 4.5 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 7 | Ml | eP | 05 | 51 | 01.1 |
| | | iS | | | 49.1 |
| | Lh | eP | | | 20 |
| | | eS | | 52 | 22 |
| | Qt | iP | | 51 | 41.3c |
| | | e(S) | | 52 | 55.0 |

H = 05: 50: 00
35.9 N, 70°.8E
HINDUKUSH
Depth about 223 km.

August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 7 | Wr | eP | 10 | 09 | 27.6 |
| | | eS | | 10 | 19.2 |
| 8 | Wr | eP | 09 | 05 | 26.3 |
| | | eS | | | 56.8 |

Continuation:

August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Wr | P | 05 | 49 | 43 |
| | | S | | 50 | 26 |
| | Qt | iP | | | 49.1c |
| | | eS | | 52 | 20.5 |
| 9 | Lh | P | 08 | 30 | 40 |
| | | S | | 39 | 12 |
| | Wr | P | | 31 | 03 |
| | | S | | 39 | 52 |
| | Qt | iP | | 31 | 13.7c |
| | | eS | | 40 | 18.0 |
| 9 | Qt | eP | 22 | 37 | 32.0 |
| 10 | Qt | eP | 04 | 40 | 18.8 |
| 10 | Qt | eP | 00 | 35 | 39.3 |
| 10 | Qt | iP | 11 | 31 | 59.2c |
| | | eS | | 40 | 36.0 |
| 10 | Qt | iP | 16 | 57 | 17.4c |
| | | eS | | 58 | 39.0 |
| 10 | Qt | eP | 20 | 55 | 17.5 |
| | | eS | | 58 | 31.8 |
| 10 | Qt | eP | 21 | 55 | 53.0 |
| | | eX | | 57 | 23.5 |
| 10 | Qt | eP | 22 | 32 | 17.5 |
| 11 | Qt | eP | 04 | 01 | 11.5 |
| 11 | Qt | eP | 09 | 04 | 32.0 |
| 11 | Qt | eP | 09 | 37 | 46.5 |
| 11 | Qt | iP | 19 | 05 | 19.3d |
| | | e(S) | | 14 | 11.7 |
| 11 | Qt | eP | 23 | 40 | 11.5 |
| | | eS | | 41 | 24.8 |
| 12 | Qt | eP | 04 | 40 | 46.8 |
| | | e(S) | | 49 | 04.0 |
| 12 | Qt | eP | 09 | 00 | 38.4 |

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August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 12 | Qt | iP | 09 | 58 | 27.0c |
| | | eS | 10 | 05 | 20.5 |
| | | | Mu | | Sec |
| | | MH | 6.0 | | 20 |
| | | △ - 47°.8 | | | |
| | | Mag - 5.8(Qt) | | | |
| 12 | Qt | eP | 10 | 31 | 32.6 |
| 12 | Qt | eP | 12 | 38 | 45.2 |
| 12 | Qt | eP | 12 | 42 | 34.3 |
| 12 | Qt | eP | 13 | 19 | 20.7 |
| | | eS | | 20 | 56.6 |
| 12 | Qt | iP | 19 | 06 | 32.3c |
| 12 | Qt | eP | 19 | 47 | 15.2 |
| | | eS | | 48 | 35.7 |
| 12 | Qt | eP | 21 | 21 | 37.9 |
| | | eS | | 23 | 51.0 |
| 12 | Qt | iP | 22 | 56 | 28.1d |
| | | eS | | 58 | 20.2 |
| 13 | Qt | eP | 07 | 20 | 50.3c |
| | | eS | | 22 | 09.3 |
| 13 | Qt | eP | 16 | 45 | 49.1 |
| | | eS | | 56 | 20.0 |
| 13 | Qt | eP | 17 | 07 | 36.0 |
| 13 | Qt | eP | 18 | 30 | 12.1d |
| 13 | Qt | iP | 20 | 15 | 58.8c |
| | | eS | | 23 | 23.0 |
| | | Mu | | | Sec |
| | | MH | 1.8 | | 20 |
| | | △ - 86°.2 | | | |
| | | Mag - 5.8(Qt) | | | |
| 13 | Qt | eP | 20 | 45 | 23.6 |
| 13 | Qt | eP | 21 | 28 | 44.8 |
| | | eS | | 29 | 56.2 |
| 13 | Qt | iP | 22 | 17 | 16.2d |
| 13 | Qt | eP | 22 | 24 | 04.5 |
| 13 | Qt | eP | 22 | 27 | 58 Onset poor |
| 13 | Qt | eP | 23 | 56 | 44.1 |
| 14 | Qt | eP | 00 | 33 | 40.0 |
| | | eS | | 35 | 10.2 |
| 14 | Qt | eP | 12 | 45 | 33.3 |
| | | eS | | 47 | 51.0 |
| 14 | Qt | eP | 15 | 20 | 14.3 |
| 14 | Qt | eP | 22 | 18 | 38.9 |
| 15 | Qt | eP | 06 | 28 | 55.1 |
| | | e(S) | | 31 | 00.0 |
| 15 | Qt | eP | 07 | 14 | 34.8 |
| 15 | Wr | P | 07 | 41 | 12 |
| | | S | | | 42 |
| | Qt | eP | | 42 | 04.4 |
| | | eS | | 43 | 22.5 |
| 15 | Wr | P | 09 | 25 | 20 |
| | Qt | eP | | 26 | 03.9 |
| | | eS | | 30 | 18.5 |
| 15 | Qt | eP | 15 | 24 | 59.3 |
| | | eS | | 26 | 27.0 |

August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 15 | Wr | P | 15 | 44 | 43 |
| | Qt | eP | | 45 | 18.5 |
| 15 | Qt | eP | 19 | 09 | 37.7 |
| | | eS | | 10 | 58.5 |
| 15 | Qt | eP | 19 | 19 | 15.5 |
| 15 | Qt | eP | 20 | 02 | 55.9 |
| 15 | Qt | eP | 20 | 20 | 07.7 |

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PAKISTAN

No.SS-9(2)/63/1238 Quetta, the 7th August, 1967

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

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

Provisional Readings at Seismological Stations from the 16th to 23rd August, 1967

Additional,
August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Wr | eP | 05 | 49 | 43.4 |
| | | eS | | 50 | 24.3 |
| | Ml | iP | | | 00.1d |
| | | iS | | | 51.8 |
| | Qt | iP | | | 49.1e |
| | | eS | | 52 | 28.5 |

x - 05 : 49 : 53
37°.3N. 71°.7E
HINDUKUSH
Depth about 160 km

| | | | | | |
|---|---|---|---|---|---|
| 9 | Ml | iP | 09 | 30 | 47.7 |
| | Kr | e(P) | | 31 | 03.2 |
| 10 | Lh | eP | 11 | 31 | 2[illegible] |
| | Wr | iP | | | 22.3e |
| | | e(S) | | 39 | 30.[illegible] |
| | Kr | eP | | 32 | 39.9 |
| 10 | Wr | eP | 16 | 56 | 16.5 |
| | Ml | eP | | | 34.9 |
| | | iS | | 57 | 20.9 |
| | Qt | iP | | | 17.4e |
| | | eS | | 58 | 39.9 |

x - 16 : 56 : 33
36°.2N. 71°.3E
HINDUKUSH
Depth about 225 Km

| | | | | | |
|---|---|---|---|---|---|
| 10 | Wr | eP | 20 | 31 | 09.8 |
| 11 | Ml | eP | 23 | 39 | 36.3 |
| | | eS | | 43 | 21.8 |
| 12 | Lh | e(P)[illegible] | | 58 | 14 |

August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 12 | Wr | iP | 22 | 55 | 25.7d |
| | | iS | | | 53.6 |
| | Ml | iP | | | 45.0e |
| | | iS | | 56 | 35.3 |
| | Lh | eP | | | 05.5d |
| | | eS | | 57 | 11.0 |
| | Qt | iP | | 54 | 28.1d |
| | | e(S) | | 58 | 20.2 |

x - 22 : 55 : 40
36°.4N. 71°.3E
HINDUKUSH
Depth about 200 km

| | | | | | |
|---|---|---|---|---|---|
| 13 | Ml | iP | 07 | 28 | 12.4d |
| | | iS | | 21 | 00.0 |
| 13 | Wr | eP | 14 | 46 | 11.[illegible] |
| 13 | Wr | eP | 17 | 17 | 20.9 |
| 13 | Lh | eP | 20 | 15 | 44e |
| | | eS | | 21 | 50 |
| | Ml | iP | | 15 | 14.3d |
| | Wr | iP | | | 23.4 |
| | | iS | | 22 | 18.0 |
| 13 | Wr | eP | 21 | 27 | 49.9 |
| | | eS | | 28 | 18.4 |
| 13 | Wr | eP | 22 | 17 | 24.0 |
| | Lh | eP | | | 48 |
| 14 | Wr | eP | 08 | 32 | 34.0 |
| | | eS | | 33 | 12.1 |
| | Ml | eP | | 32 | 51.6 |
| | | eS | | 33 | 39.0 |
| | Qt | eP | | | 40.9 |
| | | eS | | 35 | 19.2 |

x - 08 : 31 : 44
37°.3N. 71°.9E
HINDUKUSH
Depth about 160 km

August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 14 | Wr | eP | 12 | 44 | 22 + |
| | | eS | | 45 | 14.8 |
| 15 | Wr | eP | 07 | 41 | 11.7d |
| | | iS | | | 42.8 |
| | Ml | eP | | | 35.4 |
| | | iS | | 42 | 23.6 |
| | Lh | eP | | 41 | 54 |
| | | eS | | 42 | 57 |
| | Qt | eP | | | 04.4 |
| | | e(S) | | 43 | 22.5 |

H = 07 : 40 : 32
35°.7N, 70°.2E
Hindukush
Depth about 223 km

| | | | | | |
|---|---|---|---|---|---|
| 15 | Lh | eP, | 09 | 24 | 28 |
| | Ml | iP | | | 56.6d |
| 15 | Wr | eP | 15 | 23 | 55.1 |
| | | eS | | 24 | 30.8 |
| 15 | Wr | eP | 19 | 08 | 38.1d |
| | | eS | | 09 | 08.5 |

Continuation:
August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 17 | 48 | 02.0 |
| | | eS | | 49 | 03.2 |
| 16 | Wr | P | 19 | 26 | 48 |
| | | S | | 32 | 57 |
| | Qt | iP | | 26 | 49.2d |
| | | eS | | 33 | 01.0 |
| 16 | Qt | eP | 21 | 24 | 03.0 |
| 16 | Qt | eP | 21 | 51 | 49.5 |
| 16 | Qt | eP | 22 | 44 | 39.5 |
| 17 | Qt | eP | 00 | 17 | 56.0d |
| 17 | Qt | eP | 14 | 42 | 02.6 |
| 17 | Qt | eP | 20 | 47 | 10.8 |
| 17 | Qt | eP | 22 | 54 | 41.8 |
| 17 | Qt | eP | 23 | 26 | 35.5 |
| 18 | Qt | eP | 03 | 44 | 46.6d |
| | | iX | | 45 | 55.9 |
| 18 | Qt | eP | 09 | 46 | 36.0d |
| 18 | Lh | P | 20 | 03 | 08 |
| | Qt | eP | | 04 | 28.4 |
| | | eS | | 06 | 56.7 |
| 19 | Qt | eP | 01 | 12 | 56.0 |
| | | eS | | 14 | 00.3 |
| 19 | Lh | P | 01 | 36 | 09 |
| | | S | | 37 | 13 |
| | Qt | iP | | 36 | 35.0d |
| | | eS | | 37 | 56.9 |
| 19 | Qt | eP | 05 | 11 | 47.6 |
| 19 | Qt | eP | 10 | 21 | 25.3 |
| 19 | Qt | eP | 11 | 27 | 57.5d |
| | | iS | | 29 | 18.6 |
| 19 | Qt | eP | 12 | 24 | 34.7d |
| 19 | Qt | eP | 13 | 48 | 15.4 |
| 19 | Qt | iP | 15 | 37 | 56.8o |
| | | eS | | 46 | 00.3 |

| | Ml | Sec |
|---|---|---|
| MH | 8.1 | 29 |

△ = 59°.1
Mag = 6.0 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 19 | Qt | eP | 15 | 55 | 50.6d |
| 19 | Qt | eP | 15 | 58 | 25.5 |
| | | eS | 16 | 06 | 27.0 |
| 19 | Qt | eP | 20 | 58 | 39.8 |
| 19 | Qt | eP | 23 | 38 | 24.5d |
| 20 | Qt | eP | 00 | 20 | 02.8 |
| 20 | Qt | eP | 02 | 06 | 17.8 |
| | | eS | | 09 | 50.0 |
| 20 | Qt | eP | 11 | 59 | 37.5 |
| 20 | Qt | iP | 15 | 22 | 48.5d |
| 20 | Qt | eP | 17 | 24 | 56.9 |
| 20 | Qt | eP | 20 | 18 | 23.5 |
| 21 | Qt | eP | 01 | 52 | 33.5 |
| 21 | Ch | P | 07 | 37 | 16 |
| | Qt | iP | | 40 | 17.8o |
| | | eS | | 46 | 06.3 |
| 21 | Qt | eP | 13 | 44 | 31.1 |
| | | eS | | 45 | 48.3 |
| 21 | Qt | eP | 14 | 28 | 39 Onset Poor |
| 21 | Qt | eP | 18 | 36 | 12.2 |
| 21 | Qt | eP | 20 | 01 | 15.2 |
| 21 | Qt | eP | 21 | 05 | 03.1 |
| 21 | Qt | eP | 21 | 49 | 51.2d |
| 22 | Wr | P | 02 | 30 | 06 |
| | Qt | eP | | 31 | 14.5 |
| | | e(S) | | 33 | 18.2 |
| 22 | Qt | eP | 08 | 55 | 22.6 |
| 22 | Qt | eP | 09 | 15 | 22.7 |
| | Wr | P | | | 25 |
| 22 | Qt | iP | 13 | 20 | 48.5o |
| | | e(S) | | 27 | 44.0 |
| | Lh | P | | 20 | 56 |
| | Wr | P | | | 58 |
| 22 | Qt | eP | 13 | 31 | 18.0 |
| 22 | Qt | eP | 20 | 27 | 08.0 |
| 22 | Qt | eP | 23 | 20 | 04.5 |
| 23 | Qt | eP | 18 | 00 | 31.5 |

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

22 SEP 1967

International Seismological Centre

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

P A K I S T A N

No.SS-9(2)/63/1525

Quetta, the 13th Sept.'67.

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

x-Unidentified Phase, c-Compression d-Dilatation

Provisional Readings at Seismological Stations from 24th to 31st August, 1967.

Additional
August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 18 | Wr | eP | 03 | 44 | 11.4 |
| 18 | Wr | eP | 09 | 46 | 16.2 |
| | | eS | | 54 | 01.3 |
| 18 | Lh | P | 20 | 03 | 08 |
| | Wr | eP | | | 38 - |
| | Qt | eP | | 04 | 28.4 |
| | | eS | | 06 | 56.7 |
| 19 | Wr | eP | 01 | 11 | 30.3 |
| | | eS | | 12 | 04.3 |
| 19 | Wr | iP | 01 | 35 | 29.8 |
| | Lh | P | | | 09 |
| | | S | | 37 | 13 |
| | Qt | iP | | 36 | 35.0d |
| | | eS | | 37 | 56.9 |

H : 01 34 47
36.°2N , 70,°8E,
Hindukush,
depth about 230 km

| | | | | | |
|---|---|---|---|---|---|
| 19 | Wr | eP | 11 | 26 | 53.8 |
| | | eS | | 27 | 27.0 |
| 19 | Wr | iP | 15 | 37 | 15.0d |
| | | eS | | 45 | 13.7 |
| 21 | Wr | iP | 07 | 40 | 15.4c |
| 21 | Wr | iP | 13 | 43 | 23.3d |
| | | iS | | | 51.2 |
| 21 | Wr | eP | 21 | 49 | 32.6 |

Continuation
August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 01 | 21 | 20.3 |
| 24 | Qt | eP | 03 | 31 | 43.2d |
| 24 | Qt | eP | 09 | 46 | 51.5 |
| 24 | Qt | eP | 01 | 51 | 42.3 |
| 24 | Qt | eP | 14 | 30 | 28.2d |
| 24 | Qt | eP | 17 | 25 | 01.6 |
| 24 | Qt | eP | 19 | 57 | 08 |
| | | | Onset Poor | | |
| | | e(ω) | | 58 | 25.2 |
| 24 | Qt | eP | 23 | 24 | 25.4 |
| 25 | Qt | eP | 08 | 29 | 29.7 |
| 25 | Qt | eP | 12 | 30 | 32.3d |

August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 25 | Qt | eP | 13 | 35 | 43.3 |
| 25 | Qt | eP | 15 | 15 | 23.3d |
| 25 | Qt | eP | 20 | 04 | 19.6d |
| 25 | Wr | P | 23 | 05 | 06 |
| | Qt | eP | | | 30.2d |
| 25 | Wr | P | 23 | 09 | 35 |
| | Qt | eP | | 10 | 00.2 |
| 26 | Qt | eP | 00 | 16 | 18.0d |
| 26 | Ch | P | 00 | 45 | 20 |
| | | S | | 52 | 17 |
| | Lh | P | | 47 | 13 |
| | | S | | 55 | 47 |
| | Wr | P | | 47 | 24 |
| | | S | | 56 | 17 |
| | Kr | P | | 47 | 54 |
| | Qt | iP | | | 54.4 |
| | | eS | | 57 | 04.3 |
| | | Mu | | Soc | |
| | MH | 12.3 | | 20 | |
| | △ | 70 .6 | | | |
| | Mag : | 6.3(Qt) | | | |
| 26 | Qt | eP | 01 | 15 | 45.9 |
| 26 | Qt | eP | 01 | 53 | 02.5d |
| 26 | Ch | P | 02 | 15 | 47 |
| | | S | | 22 | 45 |
| | Wr | P | | 17 | 57 |
| | Qt | iP | | 18 | 21.8d |
| 26 | Qt | eP | 02 | 41 | 02.7d |
| 26 | Wr | P | 03 | 40 | 46 |
| | Qt | iP | | 41 | 11.3d |
| 26 | Qt | eP | 03 | 57 | 39.4 |
| | | eS | | 58 | 59.0 |
| 26 | Qt | eP | 05 | 31 | 28.7d |
| 26 | Qt | eP | 05 | 58 | 02.4c |
| 26 | Qt | eP | 08 | 06 | 11.7 |
| 26 | Qt | eP | 10 | 36 | 25.7 |
| 26 | Qt | eP | 11 | 21 | 02.9 |
| 26 | Qt | eP | 12 | 00 | 08.2 |
| 26 | Qt | eP | 12 | 35 | 34.7c |
| 26 | Qt | eP | 14 | 34 | 35 |
| | | | Onset poor | | |
| 26 | Qt | eP | 15 | 34 | 15.2d |
| 26 | Qt | eP | 18 | 38 | 57.2 |

| | | | | | |
|---|---|---|---|---|---|
| 26 | Qt | iP | 19 | 29 | 07.2c |
| | | eS | | | 22.0 |
| | About 70 miles NE of Quetta. | | | | |
| 26 | Qt | eP | 21 | 57 | 32.8d |
| 26 | Qt | eP | 23 | 33 | 10.3 |
| 27 | Qt | eP | 00 | 37 | 40.3 |
| | | e(S) | | 39 | 12.0 |
| 27 | Qt | eP | 02 | 30 | 29.0c |
| 27 | Wr | P | 04 | 50 | 42 |
| | | S | | 51 | 12 |
| | Lh | P | | | 21 |
| | | S | | 52 | 20 |
| | Qt | iP | | 51 | 41.7 |
| | | eS | | 53 | 00.3 |
| | | Mu | | Sec | |
| | PZ | .06 | | 0.6 | |
| | H : 04 50 02 | | | | |
| | 36.°1N, 71.°1E | | | | |
| | Hindukush | | | | |
| | depth about 223 km | | | | |
| | Mag : 4.9(Qt) | | | | |
| 27 | Qt | eP | 07 | 15 | 02.6c |
| 27 | Qt | eP | 13 | 09 | 29.3d |
| 27 | Qt | ePKP | 13 | 27 | 47.0 |
| | | eX | | 30 | 53.7 |
| 27 | Wr | P | 14 | 27 | 04 |
| | Qt | eP | | | 20.5 |
| 27 | Qt | eP | 15 | 21 | 57.5 |
| 27 | Qt | eP | 17 | 16 | 40.8 |
| 27 | Qt | eP | 20 | 40 | 18.7 |
| | | eS | | 41 | 34.3 |
| 27 | Qt | eP | 21 | 46 | 09.6 |
| | | eS | | 47 | 43.5 |
| 27 | Qt | eP | 21 | 51 | 49.2d |
| 27 | Qt | eP | 22 | 28 | 03.5c |
| 28 | Qt | eP | 01 | 15 | 07.3d |
| 28 | Qt | eP | 07 | 42 | 29.4 |
| 28 | Qt | eP | .2 | 47 | 56.5 |
| 28 | Qt | eP | 17 | 47 | 04.4d |
| 28 | Qt | eP | 18 | 35 | 22.7c |
| | | eS | | | 58.4 |
| | Wr | P | | | 45 |
| 28 | Qt | iP | 20 | 38 | 04.4d |
| | | eS | | 39 | 30.7 |
| 28 | Wr | P | 21 | 07 | 42 |
| | | S | | 09 | 06 |
| | Qt | eP | | 08 | 51.9d |
| | | eS | | 11 | 08.2 |
| 29 | Qt | eP | 03 | 00 | 20.9 |
| | | eS | | 01 | 39.7 |
| 29 | Ch | P | 07 | 35 | 38 |
| | | S | | 42 | 08 |
| | Lh | P | | 37 | 46 |
| | | S | | 45 | 58 |
| | Wr | P | | 38 | 08 |
| | Qt | eP | | | 18.8d |
| | | eS | | 47 | 02.3 |
| | | Mu | | Sec | |
| | MH | 5.2 | | 20 | |
| | ∠ | 66.00 | | | |
| | Mag: | 5.°(Qt) | | | |



| | | | | | |
|---|---|---|---|---|---|
| 29 | Qt | eP | 08 | 37 | 52.8d |
| 29 | Qt | eP | 11 | 02 | 10.2 |
| 29 | Qt | eP | 18 | 29 | 07.5 |
| | | e(S) | | | 50.5 |
| | Wr | P | | | 32 |
| 29 | Qt | eP | 20 | 13 | 51.8 |
| 29 | Qt | eP | 20 | 27 | 07.8 |
| 29 | Wr | P | 21 | 48 | 51 |
| | Qt | eP | | 50 | 02.7 |
| | | e(S) | | 52 | 18.8 |
| 30 | Qt | eP | 02 | 16 | 13.0 |
| 30 | Ch | P | 04 | 24 | 57 |
| | | S | | 27 | 01 |
| | Lh | P | | 26 | 58 |
| | | S | | 30 | 54 |
| | Wr | P | | 27 | 23 |
| | Qt | iP | | 28 | 01.2d |
| | | eS | | 32 | 44.4 |
| | Kr | eP | | 28 | 12 |
| | | e(S) | | 34 | 33 |
| | Central China | | | | |
| 30 | Qt | iP | 08 | 19 | 41.8c |
| 30 | Lh | P | 11 | 13 | 41 |
| | | S | | 17 | 41 |
| | Wr | P | | 14 | 05 |
| | | S | | 18 | 20 |
| | Qt | iP | | 14 | 44.2d |
| | | eS | | 19 | 36.3 |
| 30 | Qt | iP | 12 | 14 | 31.5c |
| 30 | Lh | P | 13 | 43 | 30 |
| | | (S) | | 51 | 32 |
| | Wr | P | | 43 | 35 |
| | Qt | iP | | 44 | 09.0c |
| | | eS | | 52 | 52.4 |
| | | Mu | | Sec | |
| | PZ | 0.13 | | 1.3 | |
| | MH | 9.1 | | 20 | |
| | △ | 65°.9 | | | |
| | Mag : 4.0(Qt) | | | | |
| 30 | Qt | eP | 17 | 32 | 31 |
| | | | Onset poor | | |
| 30 | Qt | eP | 19 | 22 | 31.3c |
| 30 | Qt | eP | 20 | 14 | 14.7c |
| 30 | Qt | eP | 20 | 42 | 22.5d |
| 30 | Qt | eP | 23 | 29 | 30.1d |
| 31 | Qt | eP | 00 | 56 | 52.8d |
| 31 | Qt | eP | 13 | 18 | 05.2 |
| 31 | Qt | eP | 13 | 47 | 40.3 |
| 31 | Qt | eP | 17 | 17 | 06.5 |
| 31 | Qt | iP | 19 | 11 | 50.2c |

K.U.Siddiqi
for DIRECTOR
Meteorological Services.

International Seismological Centre

9 OCT 1967

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)/67/ 2080. Quetta, the 30th September, 1967

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

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

Provisional Readings at Seismological Stations from 1st to 8th September, 1967.

Additional
August, 1967

| | | | | | |
|---|---|---|---|---|---|
| 25 | Wr | eP | 12 | 31 | 00.7 |
| 25 | Wr | eP | 15 | 14 | 58.5 |
| 26 | Ml | iP | 00 | 47 | 17.0c |
| 26 | Wr | eP | 01 | 16 | 06 ± |
| 26 | Wr | eP | 03 | 56 | 42 ± |
| | | eS | | 57 | 18.2 |
| 26 | Wr | eP | 10 | 36 | 01.6 |
| 26 | Wr | eP | 11 | 20 | 37.7 |
| 26 | Wr | eP | 15 | 34 | 44.7 |
| 26 | Wr | eP | 19 | 30 | 09 ± |
| | Kr | eP | | | 12.6 |
| 27 | Wr | eP | 13 | 27 | 43.3 |
| | Ch | eP | | 28 | 16 |
| 27 | Wr | eP | 20 | 39 | 14.2 |
| | | eS | | | 42.5 |
| | Ml | eP | | | 38.0 |
| | | eS | | 40 | 22.7 |
| | Qt | eP | | | 18.7 |
| | | eS | | 41 | 34.3 |

H - 20 : 38 : 40
36.0°N, 71.0°E,
H I N D U K U S H
Depth about 160 km.

| | | | | | |
|---|---|---|---|---|---|
| 27 | Wr | e(P) | 21 | 45 | 18.9 |
| | Ml | eP | | | 19.0 |
| 28 | Wr | eP | 18 | 35 | 45.3 |
| | Ml | eP | | | 49.3 |
| | Kr | e(P) | | 36 | 08.5 |
| 28 | Ml | eP | 21 | 07 | 27.7 |
| | | eS | | 08 | 41.5c |
| | Lh | eP | | 07 | 37 |
| | Wr | eP | | | 41.7 |
| | | eS | | 09 | 06.3 |
| | Qt | eP | | 08 | 51.9d |
| | | eS | | 11 | 08.2 |

H - 21 : 05 : 53
36.9°N, 80.0°E
Kunlun Shan, China
Depth about 33 Km.

August, 1967.

| | | | | | |
|---|---|---|---|---|---|
| 29 | Wr | eP | 02 | 59 | 22.4 |
| | | iS | | | 54.2 |
| 29 | Ml | eP | 21 | 48 | 49.4 |
| 30 | Ml | eP | 04 | 27 | 04.8 |
| 30 | Wr | eP | 17 | 32 | 24 ± |

Continuation
September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 03 | 43 | 24.2 |
| 1 | Qt | eP | 07 | 23 | 13.7 |
| 1 | Qt | eP | 07 | 25 | 08.6d |
| 1 | Qt | eP | 15 | 12 | 33.0 |
| 1 | Qt | eP | 15 | 13 | 45.0c |
| 1 | Qt | eP | 16 | 44 | 26.3 |
| 1 | Qt | eP | 17 | 42 | 43.5 |
| 1 | Qt | eP | 19 | 27 | 22.8 |
| | | eS | | 28 | 27.5 |
| 1 | Qt | eP | 21 | 59 | 58.0 |
| 1 | Qt | eP | 22 | 52 | 14.5d |
| 1 | Qt | eP | 23 | 57 | 50.6c |
| 2 | Qt | eP | 03 | 56 | 00.3 |
| 2 | Qt | eP | 08 | 05 | 00.3 |
| | | e(S) | | 08 | 32.7 |
| 2 | Qt | eP | 14 | 38 | 02.5 |
| | | e(S) | | 40 | 56.3 |
| 2 | Qt | iP | 17 | 08 | 39.4d |
| 2 | Qt | eP | 18 | 45 | 06.1 |
| 2 | Qt | eP | 19 | 19 | 27.7d |
| 2 | Wr | P | 19 | 42 | 05 |
| | | S | | | 57 |
| | Qt | eP | | 43 | 13.6 |
| | | eS | | 44 | 52.7 |
| 2 | Qt | eP | 22 | 32 | 21.2 |
| | | eS | | 33 | 40.3 |
| 3 | Qt | eP | 00 | 26 | 47.2c |
| 3 | Qt | eP | 01 | 07 | 29.0 |
| 3 | Qt | iP | 01 | 35 | 43.9 |
| | | eS | | 46 | 00.7 |
| 3 | Qt | eP | 04 | 55 | 04.7d |

| | | | | | |
|---|---|---|---|---|---|
| 3 | Qt | eP | 06 | 57 | 50.4c |
| | | e(S) | | 59 | 08.3 |
| 3 | Qt | oP | 09 | 00 | 36.7 |
| 3 | Qt | ePKP | 21 | 26 | 59.5 |
| | Wr | PKP | | 27 | 03 |
| | Kr | PKP | | | 14 |
| | Ch | PKP | | | 38 |
| 3 | Qt | eP | 21 | 54 | 53.5 |
| 3 | Qt | eP | 22 | 03 | 22.5 |
| 4 | Qt | eP | 00 | 16 | 45.8 |
| 4 | Qt | eP | 03 | 00 | 31.4c |
| 4 | Qt | eP | 04 | 06 | 12.4 |
| 4 | Wr | P | 04 | 10 | 26 |
| | Qt | eP | | | 29.9 |
| 4 | Qt | iP | 13 | 13 | 00.0c |
| 4 | Qt | eP | 16 | 25 | 37.8 |
| 4 | Qt | eP | 16 | 29 | 21.5 |
| 4 | Qt | oP | 17 | 58 | 42.9 |
| 4 | Qt | eP | 19 | 40 | 46.8d |
| 4 | Qt | eP | 22 | 27 | 06.8 |
| 5 | Qt | eP | 16 | 42 | 14.2d |
| 5 | Qt | eP | 18 | 36 | 18.4 |
| 5 | Qt | eP | 20 | 59 | 47 Onset Poor |
| | | eS | 21 | 00 | 57.5 |
| 6 | Qt | eP | 01 | 48 | 34.8 |
| 6 | Qt | eP | 02 | 44 | 36.5c |
| 6 | Wr | P | 03 | 29 | 26 |
| | Qt | eP | | 30 | 01.8c |
| 6 | Qt | eP | 04 | 56 | 02 Onset Poor |
| 6 | Qt | eP | 05 | 06 | 32.8 |
| | Wr | P | | | 54 |
| 6 | Lh | P | 07 | 35 | 28 |
| | | S | | 39 | 50 |
| | Wr | P | | 35 | 59 |
| | | S | | 41 | 31 |
| | Qt | iP | | 36 | 09.2 |
| | | e(S) | | 40 | 40.3 |

| | Mu | Sec |
|---|---|---|
| MH | 9.2 | 20 |

$\Delta$ = 26°.7
Mag= 5.7(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 6 | Qt | eP | 08 | 11 | 34.0 |
| 6 | Qt | eP | 09 | 38 | 04.4 |
| 6 | Qt | eP | 15 | 06 | 56.5d |
| 6 | Qt | eP | 15 | 12 | 36.5 |
| 6 | Qt | eP | 15 | 48 | 43.8 |
| | | eS | | 49 | 09.8 |
| | Wr | P | | | 33 |
| 6 | Wr | P | 17 | 36 | 42 |
| | Qt | iP | | 37 | 10.3c |
| 6 | Qt | oP | 19 | 56 | 50.3d |

September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 7 | Qt | eP | 02 | 15 | 15.9 |
| 7 | Lh | P | 07 | 21 | 42 |
| | | S | | 29 | 02 |
| | Wr | P | | 22 | 04 |
| | | S | | 29 | 41 |
| | Qt | iP | | 22 | 19.5 |
| | | eS | | 30 | 15.0 |

| | Mu | Sec |
|---|---|---|
| MH | 3.5 | 20 |

$\Delta$ = 57°.8
Mag= 5.7(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 7 | Qt | eP | 07 | 51 | 29.3 |
| 7 | Qt | eP | 09 | 53 | 10.3d |
| 7 | Qt | eP | 11 | 26 | 19.7c |
| 7 | Qt | eP | 13 | 14 | 01.9 |
| 7 | Qt | eP | 16 | 07 | 08.6c |
| 7 | Qt | eP | 21 | 10 | 44 Onset Poor |
| | | eS | | 12 | 58.3 |
| 7 | Qt | eP | 22 | 16 | 05.5 |
| 8 | Wr | P | 00 | 26 | 51 |
| | Lh | P | | 27 | 31 |
| | | S | | 28 | 32 |
| | Qt | iP | | 27 | 54.5c |
| | | eS | | 29 | 22.8 |

H - 00 : 26 : 01
37°.0 N, 71°.3 E,
Tadzhik-Afghanistan border
Depth about 160 km.

| | | | | | |
|---|---|---|---|---|---|
| 8 | Qt | iP | 03 | 47 | 16.7c |
| 8 | Qt | oP | 05 | 25 | 48.8c |
| | | eS | | 28 | 40.4 |
| 8 | Qt | eP | 08 | 26 | 30.4 |
| 8 | Qt | eP | 09 | 19 | 25.5c |
| | Wr | P | | | 35 |
| 8 | Qt | eP | 11 | 11 | 34.3 |
| 8 | Wr | P | 22 | 12 | 31 |
| | Qt | eP | | | 54.8d |
| 8 | Lh | P | 22 | 48 | 10 |
| | | S | | 56 | 43 |
| | Wr | P | | 48 | 26 |
| | | (S) | | 57 | 01 |
| | Qt | iP | | 48 | 51.4d |
| | | eS | | 58 | 04.3 |
| 8 | Qt | oP | 23 | 05 | 21.4 |
| | | oS | | 07 | 10.8 |

(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

No.SS-9(2)/67/ 2080 Quetta, the 30th September, 1967

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

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

Provisional Readings at Seismological Stations from 9th to 15th September, 1967

Additional
September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Wr | iP | 03 | 43 | 07.8d |
| 1 | Wr | eP | 16 | 43 | 13.9 |
| 1 | Wr | iP | 19 | 26 | 26.7c |
| | | iS | | | 48.2 |
| 1 | Lh | eP | 22 | 51 | 34d |
| | | eS | | 59 | 16 |
| | Wr | iP | | | 37.1d |
| 3 | Wr | iP | 01 | 35 | 28.9c |
| 3 | Wr | eP | 06 | 57 | 01.7 |
| | | eS | | | 37.8 |
| 5 | Lh | eP | 20 | 58 | 43 |
| | | eS | | 59 | 06 |
| 6 | Kr | eP | 07 | 35 | 51.2 |
| 7 | Wr | eP | 21 | 09 | 45 ± |
| 8 | Wr | eP | 05 | 24 | 50.9 |
| 8 | Wr | eP | 23 | 04 | 10 ± |

Continuation
September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 06 | 26 | 15.5d |
| 9 | Qt | eP | 06 | 44 | 48 Onset Poor |
| | | e(S) | | 47 | 06.8 |
| 9 | Qt | eP | 07 | 57 | 47.0 |
| 9 | Wr | P | 08 | 48 | 20 |
| | Qt | eP | | | 47.0d |
| 9 | Qt | eP | 08 | 58 | 08.7d |
| 9 | Qt | eP | 10 | 24 | 50.4 |
| | | eS | | 28 | 46.0 |
| | Wr | P | | 25 | 03 |
| | Ch | P | | | 26 |
| 9 | Qt | eP | 10 | 36 | 38.5 |
| | | e(S) | | 43 | 02.3 |
| 9 | Qt | eP | 11 | 01 | 06.3 |
| 9 | Ch | P | 14 | 52 | 37 |
| | Wr | P | | 54 | 46 |
| | Qt | eP | | 55 | 09.6d |
| | | eS | 15 | 04 | 20.4 |

September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Wr | PKP | 17 | 11 | 48 |
| | Qt | iPKP | | | 48.5 |
| 9 | Qt | eP | 17 | 48 | 28.7c |
| 9 | Qt | eP | 19 | 15 | 36.8 |
| 9 | Qt | eP | 21 | 24 | 10.0 |
| 10 | Qt | eP | 00 | 47 | 03.5 |
| | | eS | | 48 | 22.7 |
| 10 | Qt | eP | 06 | 32 | 09.8 |
| 10 | Qt | eP | 09 | 55 | 35.5 |
| 10 | Qt | eP | 17 | 58 | 27.7 |
| 10 | Qt | eP | 19 | 28 | 00.6 |
| 10 | Qt | eP | 22 | 59 | 20.3 |
| | | e(S) | 23 | 01 | 14.5 |
| 11 | Qt | iP | 06 | 12 | 43.7c |
| 11 | Qt | eP | 07 | 24 | 25.5 |
| | | e(S) | | 26 | 56.0 |
| 11 | Qt | eP | 12 | 59 | 36.8 |
| | | eS | 13 | 05 | 02.0 |
| 11 | Qt | eP | 20 | 04 | 12,6 |
| | | eS | | 09 | 09.8 |
| 12 | Qt | eP | 00 | 36 | 33.5c |
| 12 | Qt | eP | 02 | 54 | 11.4c |
| 12 | Qt | eP | 11 | 23 | 54.9 |
| 12 | Qt | eP | 22 | 02 | 34.5 |
| | | eS | | 13 | 20.3 |
| 13 | Qt | eP | 05 | 27 | 32.5 |
| 13 | Qt | eP | 06 | 26 | 53.6 |
| 13 | Qt | eP | 06 | 51 | 49.5 |
| 13 | Qt | eP | 07 | 06 | 51.0 |
| 13 | Qt | eP | 09 | 59 | 30.0c |
| | | eS | 10 | 00 | 49.5 |
| 13 | Qt | eP | 15 | 33 | 19.0 |
| 13 | Qt | eP | 18 | 15 | 58.? |
| 13 | Qt | eP | 18 | 52 | 57.1 |
| | | eS | 19 | 02 | 40.0 |

| | Mu | Sec |
|---|---|---|
| MH | 3.4 | 20 |

△ = 76°.7
Mag= 5.9(Qt)

International Seismological Centre

September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 13 | Qt | iP | 20 | 16 | 16.9c |
| 13 | Qt | eP | 20 | 26 | 42.1 |
| 14 | Qt | eP | 01 | 00 | 38.7 |
| 14 | Qt | eP | 09 | 52 | 45.4 |
| 14 | Qt | oP | 12 | 23 | 58.1 |
| | | e(S) | | 25 | 17.3 |
| 14 | Qt | eP | 13 | 32 | 22.2 |
| 14 | Qt | eP | 13 | 33 | 50.5 |
| | | e(S) | | 35 | 57.8 |
| 14 | Qt | eP | 13 | 38 | 28.3 |
| | | eS | | 39 | 58.8 |
| 14 | Qt | oP | 14 | 51 | 53.4d |
| | | eS | | 54 | 10.0 |
| 14 | Qt | eP | 19 | 05 | 37.8 |
| 14 | Qt | eP | 23 | 07 | 39.4 |

September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 15 | Qt | eP | 00 | 12 | 28.6 |
| 15 | Lh | P | 00 | 38 | 02 |
| | | S | | 45 | 42 |
| | Qt | iP | | 38 | 46.4c |
| | | eS | | 47 | 04.0 |

| | Mu | Sec |
|---|---|---|
| MH | 2.6 | 20 |

△ = 61°.5

Mag= 5.2(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 15 | Qt | eP | 07 | 13 | 42.7 |
| 15 | Qt | iP | 08 | 13 | 44.9d |
| 15 | Qt | eP | 17 | 50 | 30.2 |
| 15 | Qt | eP | 19 | 26 | 14.7 |

( 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)/67/ 2211 Quetta, the 6th October, 1967.

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

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

Provisional Readings at Seismological Stations from 16th to 23rd September, 1967

Additional
September, 1967.

| | | | | | |
|---|---|---|---|---|---|
| 9 | Wr | eP | 06 | 25 | 49.8 |
| 9 | Wr | eP | 06 | 44 | 48.0 |
| 9 | Ml | eP | 10 | 25 | 10.7 |
| | Lh | eP | | | 12.0d |
| 9 | Lh | eP | 14 | 54 | 29 |
| | | eS | 15 | 03 | 02 |
| 9 | Lh | eP | 17 | 11 | 47 |
| 9 | Wr | eP | 19 | 15 | 12 |
| 10 | Wr | eP | 05 | 46 | 01.7 |
| 10 | Wr | eP | 06 | 13 | 55.4 |
| 11 | Ml | eP | 06 | 14 | 05.4 |
| 11 | Wr | eP | 12 | 58 | 42.7 |
| 12 | Wr | eP | 02 | 53 | 33.2 |
| 12 | Lh | eP | 22 | 02 | 03 |
| | Wr | eP | | | 16.5 |
| 13 | Wr | eP | 09 | 58 | 30.6 |
| | | eS | | 59 | 03.6 |
| 13 | Wr | eP | 18 | 52 | 22.7 |
| | Lh | eP | | | 26 |
| 13 | Lh | eP | 20 | 16 | 25 |
| 15 | Lh | eP | 10 | 36 | 24 |
| | | eS | | 39 | 08 |
| | Wr | eP | | 37 | 00 ± |
| | Ml | iP | | | 39.2c |
| | Kr | eP | | | 45.7d |

Continuation:
September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 00 | 06 | 05.8 |
| | | e(S) | | 16 | 50.0 |
| 16 | Qt | eP | 03 | 51 | 45.5d |
| | | oS | 04 | 00 | 42.2 |
| 16 | Qt | iP | 04 | 08 | 48.6d |
| 16 | Qt | eP | 05 | 23 | 24.5 |
| 16 | Qt | iP | 08 | 44 | 10.3c |
| 16 | Qt | eP | 14 | 18 | 45.5 |
| 16 | Qt | eP | 16 | 23 | 06.5 |

September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 17 | Qt | eP | 01 | 19 | 49.5 |
| 17 | Qt | eP | 06 | 50 | 51.7 |
| | | eS | | 52 | 42.2 |
| 17 | Qt | eP | 08 | 15 | 29.4d |
| 17 | Qt | eP | 09 | 08 | 39.7 |
| 17 | Qt | eP | 17 | 11 | 53.5 |
| 17 | Qt | eP | 21 | 43 | 28 Onset Poor |
| 18 | Qt | eP | 02 | 09 | 04.5 |
| 18 | Lh | P | 08 | 27 | 57 |
| | | S | | 28 | 56 |
| | Qt | iP | | | 10.5d |
| | | eS | | 29 | 20.3 |
| 18 | Qt | eP | 15 | 24 | 44.4c |
| 18 | Lh | P | 15 | 45 | 02 |
| | Qt | iP | | | 34.6c |
| | | eS | | 56 | 00.3 |
| 18 | Qt | eP | 19 | 31 | 42.3c |
| 18 | Qt | oP | 19 | 54 | 32.5 |
| | | eS | | 55 | 56.3 |
| 18 | Qt | oP | 22 | 44 | 21.8 |
| 19 | Qt | oP | 01 | 04 | 13.4d |
| 19 | Qt | eP | 03 | 39 | 08.3 |
| 19 | Lh | P | 11 | 05 | 41 |
| | | S | | 13 | 21 |
| | Wr | P | | 05 | 44 |
| | | S | | 13 | 29 |
| | Qt | eP | | 06 | 22.2c |
| | | eS | | 14 | 38.5 |

| | Mu | Sec |
|---|---|---|
| MH | 5.6 | 20 |
| △ | = 61°.3 | |
| Mag | = 5.9(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 19 | Qt | iP | 13 | 04 | 15.5c |
| 19 | Qt | eP | 14 | 40 | 16.5 |
| | | eS | | 41 | 35.3 |
| 19 | Wr | P | 19 | 09 | 54 |
| | Qt | eP | | | 54.7 |

September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 19 | Qt | eP | 19 | 39 | 40.7 |
| 19 | Qt | eP | 23 | 07 | 17.7 |
| | | eS | | 08 | 34.3 |
| 19 | Qt | eP | 23 | 13 | 12.7 |
| | | eS | | 14 | 30.6 |
| 20 | Qt | iP | 00 | 42 | 43.4c |
| 20 | Qt | eP | 01 | 40 | 20.3 |
| 20 | Qt | eP | 09 | 53 | 04.5 |
| | Lh | P | | 54 | 06 |
| 20 | Qt | eP | 09 | 58 | 02.7 |
| | | eS | 10 | 08 | 56.0 |
| 20 | Qt | eP | 10 | 49 | 36.8 |
| 20 | Qt | eP | 10 | 55 | 39.7 |
| 20 | Qt | eP | 11 | 00 | 06.4 |
| 20 | Qt | eP | 11 | 06 | 37.4c |
| 20 | Qt | eP | 18 | 34 | 23.3 |
| 20 | Qt | eP | 18 | 57 | 25.7c |
| 20 | Ml | P | 20 | 25 | 40 |
| | | S | | 26 | 06 |
| | Lh | P | | 25 | 41 |
| | | S | | 26 | 10 |
| | Wr | P | | | 08 |
| | Qt | eP | | 27 | 05 Onset Poor |
| | | eS | | 28 | 37.7 |

H - 20 : 25 : 06
33°.2N, 76°.0E
Near Cherat
Depth about 33 km

| | | | | | |
|---|---|---|---|---|---|
| 21 | Qt | eP | 03 | 44 | 00.2 |
| 21 | Qt | eP | 08 | 19 | 17.5 |
| 21 | Qt | eP | 08 | 21 | 42 Onset Poor |
| 21 | Qt | eP | 13 | 34 | 18.5 |
| 21 | Qt | eP | 14 | 25 | 36.1 |
| 21 | Qt | eP | 17 | 19 | 04.7 |
| 21 | Qt | eP | 18 | 42 | 13.7 |
| 21 | Qt | eP | 22 | 11 | 21.4 |
| 22 | Qt | eP | 08 | 20 | 52.7c |
| 22 | Ch | P | 10 | 27 | 06 |
| | | S | | 34 | 24 |
| | Lh | P | | 27 | 54 |
| | | S | | 35 | 56 |
| | Qt | eP | | 28 | 33.3c |
| | | eS | | 37 | 12.3 |

| | Mu | Sec |
|---|---|---|
| MH | 14.1 | 20 |
| ∠ | - 65°.0 | |
| Mag- | 6.2(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Qt | eP | 10 | 57 | 38 Onset Poor |
| 22 | Qt | eP | 11 | 30 | 10.7 |
| 22 | Qt | eP | 12 | 45 | 26.5 |
| 22 | Qt | eP | 16 | 09 | 57.8 |
| | | e(S) | | 11 | 37.4 |
| 22 | Qt | eP | 17 | 34 | 23.2 |
| 22 | Qt | eP | 19 | 01 | 42.3 |
| 22 | Wr | P | 20 | 13 | 38 |
| | Qt | eP | | 14 | 25.3 |

September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 22 | Wr | P | 22 | 12 | 24 |
| | Lh | P | | 13 | 05 |
| | | S | | 14 | 04 |
| | Qt | eP | | 13 | 29.3 |
| | | eS | | 14 | 46.4 |

H - 22 : 11 : 49
35°.9 N, 71°.2 E
HINDUKUSH
Depth about 160 km

| | | | | | |
|---|---|---|---|---|---|
| 22 | Qt | eP | 22 | 28 | 54.6 |
| 23 | Qt | eP | 02 | 01 | 18.7 |
| 23 | Qt | eP | 05 | 43 | 48 Onset Poor |
| 23 | Qt | iPKP | 07 | 14 | 29.3d |
| 23 | Qt | eP | 07 | 57 | 34.3 |
| 23 | Qt | eP | 09 | 24 | 53.6 |
| 23 | Qt | eP | 10 | 49 | 24.5 |
| 23 | Qt | eP | 12 | 48 | 44.0 |
| 23 | Qt | eP | 12 | 55 | 17.5 |
| | | eS | | 56 | 09.6 |
| | Wr | P | | 55 | 41 |
| | | S | | 56 | 52 |
| 23 | Qt | eP | 13 | 15 | 33.7 |
| 23 | Qt | eP | 13 | 22 | 50.4 |
| 23 | Qt | eP | 23 | 01 | 33.3c |
| 23 | Qt | eP | 23 | 47 | 40.5 |

(K.U.Siddiqi)
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)/67/ 3446 Quetta, the 23rd October, 1967.

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

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

Provisional Readings at Seismological Stations from 24th to 30th September, 1967.

Additional
September, 1967.

| | | | | | |
|---|---|---|---|---|---|
| 17 | Ml | eP | 06 | 49 | 37.8 |
| | | eS | | 50 | 33.9 |
| 18 | Ml | eP | 08 | 27 | 37.1 |
| | | is | | 28 | 21.5 |
| 19 | Ch | eP | 11 | 04 | 47 |
| | | eS | | 11 | 40 |
| | Kr | eP | | 06 | 46.1 |
| 19 | Ch | eP | 19 | 07 | 08 |
| | | e(S) | | 11 | 37 |
| | Lh | eP | | 09 | 25 |
| | | e(S) | | 15 | 30 |
| 19 | Wr | eP | 23 | 12 | 29.3 |
| | | eS | | 13 | 07.1 |
| 20 | Ch | eP | 09 | 52 | 42 |
| 22 | Wr | eP | 08 | 21 | 11.4 |
| 22 | Kr | eP | 10 | 28 | 56.9 |
| 22 | Wr | eP | 17 | 33 | 15.1 |
| 22 | Ml | eP | 22 | 12 | 45.5 |
| | | eS | | 13 | 30.0 |
| 23 | Wr | cPKP | 07 | 14 | 21.2 |
| 23 | Qt | eP | 12 | 55 | 1.5 |
| | | eS | | 56 | 09.6 |
| | Lh | eP | | 55 | 33 |
| | Wr | P | | | 41 |
| | | S | | 56 | 52 |

H - 12 : 54 : 09.5
28°. N, 71°.3E
West Pakistan
Depth about 96 km.

Continuation
September, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 01 | 29 | 05.7d |
| 24 | Wr | P | 06 | 20 | 11 |
| | Qt | iP | | | 28.9d |
| | | eS | | 30 | 01.4 |
| 24 | Qt | eP | 08 | 01 | 03.4 |
| 24 | Qt | iP | 10 | 20 | 40.8d |
| | | eS | | 21 | 51.0 |
| 24 | Qt | eP | 17 | 29 | 39.3 |
| 24 | Qt | eP | 18 | 49 | 43.8 |
| | | eS | | 51 | 30.5 |
| 24 | Qt | eP | 20 | 28 | 33.5 |
| 25 | Wr | P | 02 | 10 | 04 |
| | Qt | iP | | 11 | 08.5d |
| | | eS | | 12 | 37.3 |
| 25 | Qt | eP | 07 | 10 | 42.6 |
| 25 | Qt | iP | 09 | 22 | 37.5d |
| 25 | Qt | eP | 12 | 17 | 03.9 |
| 25 | Qt | eP | 13 | 00 | 29.3 |
| 25 | Qt | eP | 13 | 13 | 21.7c |
| 25 | Qt | eP | 14 | 18 | 40.5 |
| | | e6) | | 19 | 47.8 |
| 25 | Qt | iP | 17 | 10 | 25.8c |
| 25 | Qt | eP | 17 | 13 | 59.0d |
| 25 | Qt | eP | 21 | 11 | 17.2 |
| | | eS | | 12 | 50.4 |
| 25 | Qt | eP | 23 | 27 | 15.3 |
| 26 | Qt | eP | 04 | 32 | 08.0 |
| 26 | Wr | P | 06 | 56 | 58 |
| | Qt | eP | | 57 | 35.2 |
| 26 | Qt | eP | 08 | 58 | 01.3 |

| | | | | | |
|---|---|---|---|---|---|
| 26 | Qt | eP | 11 | 30 | 4 .5 |
| | Wr | P | | 31 | 93 |
| 26 | Qt | eP | 15 | 03 | 20.5 |
| 26 | Qt | ePKP | 16 | 30 | 52.8c |
| | Wr | PKP | | 31 | 06 |
| 26 | Wr | P | 17 | 18 | 42 |
| | Qt | iP | | | 57.5c |
| 26 | Qt | oP | 22 | 10 | 18.7 |
| | | eS | | 11 | 41.4 |
| 27 | Qt | eP | 00 | 37 | 37.4d |
| 27 | Wr | P | 03 | 24 | 08 |
| | Qt | eP | | 25 | 21 Onset Poor |
| 27 | Qt | eP | 04 | 13 | 10.2 |
| | | eS | | 14 | 28.5 |
| 27 | Qt | eP | 05 | 54 | 41.3 |
| 27 | Qt | eP | 07 | 19 | 4 .4 |
| 27 | Qt | eP | 08 | 14 | 08.3 |
| 27 | Qt | eP | 17 | 18 | 39.0 |
| 27 | Qt | oP | 17 | 2 | 28.0 |
| 27 | Qt | oP | 23 | 06 | 17.4 |
| 28 | Wr | P | 02 | 56 | 16 |
| | Lh | P | | | 31 |
| | Qt | eP | | 57 | 24.5 |
| 28 | Qt | eP | 03 | 10 | 01.4 |
| 28 | Qt | eP | 03 | 12 | 54 Onset Poor |
| 28 | Lh | P | 05 | 09 | 25 |
| | | S | | 19 | 46 |
| | Wr | P | | 09 | 38 |
| | Qt | iP | | | 53.7d |
| | | eS | | 20 | 28.4 |

| | Mu | Sec |
|---|---|---|
| MH | 3.4 | 20 |

$\Delta$ - 87.0°

Mag- 6.0 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 28 | Qt | eP | 05 | 25 | 07 Onset Poor |
| 28 | Qt | eP | 05 | 35 | 23.4 |
| 28 | Qt | eP | 06 | 19 | 51.7 |
| 28 | Qt | eP | 07 | 52 | 41.6 |
| 28 | Wr | P | 15 | 57 | 10 |
| | | S | 16 | 07 | 18 |
| | Lh | P | 15 | 57 | 20 |
| | | S | 16 | 07 | 38 |
| | Qt | eP | 15 | 57 | 37.0c |
| | | eS | 16 | 08 | 01.2 |

| | Mu | Sec |
|---|---|---|
| MH | 7.3 | 20 |

$\Delta$ - 84°.8

Mag - 6.2(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 28 | Qt | iP | 19 | 14 | 39.9c |
| 28 | Qt | eP | 21 | 39 | 56.4 |
| 28 | Qt | eP | 23 | 50 | 05.3 |



| | | | | | |
|---|---|---|---|---|---|
| 29 | Qt | eP | 00 | 05 | 03.3 |
| 29 | Qt | eP | 02 | 48 | 07.4 |
| 29 | Qt | eP | 05 | 3 | 04.0 |
| 29 | Qt | eP | 08 | 07 | 27.7 |
| 29 | Qt | eP | 13 | 01 | 27.2 |
| 29 | Qt | eP | 15 | 26 | 24.6 |
| 29 | Qt | eP | 17 | 40 | 02.7 |
| 30 | Qt | eP | 07 | 55 | 33.5 |
| 30 | Qt | eP | 08 | 06 | 44.5 |
| | | eS | | 14 | 24.4 |
| 30 | Qt | eP | 13 | 15 | 32.5d |
| 30 | Qt | eP | 19 | 18 | 13.2 |
| | | eS | | 19 | 23.3 |
| 30 | Qt | eP | 21 | 45 | 54.4 |

(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)/67/ 2657 Quetta, the 31st October, 1967.

Qt-Quetta, Lh-Lahor , Wr-Warsak, Mi-Mangla, Kr-Karachi, Ch-Chittagong.

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

Provisional Readings at Seismological Stations from 1st October to 8th Oct. 1967.

Additional
September, 1967.

| | | | | | |
|---|---|---|---|---|---|
| 24 | Ml | iP | 01 | 07 | 05.5d |
| | Wr | iP | | | 18.7d |
| | Kr | eP | | | 32.0d |
| | Qt | iP | | | 38.4d |
| 24 | Wr | eP | 08 | 00 | 41.5 |
| 24 | Wr | iP | 10 | 19 | 50.5d |
| | | iS | | 20 | 19.3 |
| 25 | Ml | eP | 02 | 10 | 22.0 |
| | | iS | | 11 | 11.5 |
| 25 | Wr | iP | 09 | 22 | 11.1d |
| 25 | Wr | eP | 13 | 13 | 04.0 |
| 25 | Wr | eP | 17 | 13 | 41.5 |
| 25 | Wr | eP | 21 | 10 | 53.5 |
| 25 | Wr | eP | 23 | 26 | 44 ± |
| 26 | Ml | eP | 11 | 31 | 07.3 |
| | Lh | eP | | | 08 |
| 26 | Kr | ePKP | 16 | 30 | 53.5 |
| | Lh | ePKP | | 31 | 07 |
| | Ml | ePKP | | | 10.8 |
| 26 | Lh | eP | 17 | 18 | 29 |
| | Ml | eP | | | 33.8 |
| 26 | Wr | iP | 22 | 09 | 13.6d |
| | | eS | | | 44.2 |
| | Ml | eP | | | 34.8 |
| | | iS | | 10 | 19.8 |
| | Lh | eP | | 09 | 54 |
| | | eS | | 10 | 54 |
| | Qt | eP | | 11 | 41.4 |
| | | eS | | 11 | 41.4 |
| | | eS | | | |

H - 22 : 08 : 33
36.1N, 71.3E
HINDUKUSH
DEPTH ABOUT 160 Km.

| | | | | | |
|---|---|---|---|---|---|
| 27 | Wr | eP | 04 | 12 | 07.7 |
| | | eS | | | 36.8 |
| 28 | Ml | iP | 02 | 56 | 18.2c |
| | | eS | | 57 | 54.7 |
| | Kr | eP | | | 47.1 |
| 28 | Ch | eP | 05 | 07 | 49 |
| | | eS | | 16 | 23 |
| | Ml | eP | | 09 | 29.7 |
| | Kr | eP | | | 50.1 |

Continuation
October, 1967.

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 06 | 03 | 52.8 |
| 1 | Qt | eP | 14 | 36 | 52.5 |
| 1 | Qt | eP | 22 | 35 | 22.5 |
| | | eS | | 36 | 48.4 |
| 2 | Qt | eP | 00 | 30 | 38.8d |
| 2 | Wr | P | 06 | 02 | 20 |
| | | S | | 03 | 29 |
| | Qt | eP | | | 27.5 |
| 2 | Qt | eP | 06 | 32 | 48.0 |
| 2 | Qt | eP | 08 | 58 | 36.0 |
| 2 | Qt | eP | 14 | 51 | 51.4 |
| 2 | Wr | P | 15 | 06 | 52 |
| | Qt | eP | | 07 | 07.8 |
| 2 | Qt | eP | 15 | 49 | 25.7 |
| 2 | Wr | P | 17 | 33 | 17 |
| | Qt | eP | | | 19.4 |
| 2 | Wr | P | 17 | 50 | 46 |
| | | S | | 51 | 24 |
| | Qt | eP | | | 51.5 |
| | | eS | | 53 | 16.0 |
| 2 | Qt | eP | 18 | 49 | 15.5 |
| 2 | Qt | eP | 21 | 03 | 31.4 |
| 2 | Qt | eP | 22 | 23 | 36.7 |
| 2 | Qt | eP | 22 | 23 | 47 Onset Poor |
| 2 | Qt | eP | 23 | 51 | 59 Onset Poor |
| | | e(S) | | 53 | 15.0 |
| 3 | Qt | eP | 00 | 19 | 23.5 |
| 3 | Qt | eP | 03 | 35 | 08.4 |
| 3 | Qt | eP | 05 | 07 | 18.5 |
| 3 | Qt | eP | 05 | 32 | 51.6 |
| 3 | Wr | P | 07 | 31 | 23 |
| | | S | | 32 | 31 |
| | Qt | eP | | | 13.2 |
| 3 | Qt | eP | 14 | 10 | 17.0 |
| 3 | Qt | ePKP | 18 | 35 | 16.8 |
| | Lh | PKP | | | 21 |
| | Wr | PKP | | | 31 |
| 3 | Qt | eP | 20 | 02 | 08.7 |
| 4 | Qt | eP | 00 | 03 | 18.4c |
| 4 | Qt | eP | 04 | 57 | 16.5 |
| 4 | Qt | eP | 06 | 21 | 27 |
| | Qt | eP | | | 30.0d |
| 4 | Qt | eP | 06 | 24 | 56.4 |
| 4 | Qt | iP | 06 | 30 | 22.8c |
| 4 | Qt | eP | 09 | 03 | 02.6 |

Continuation:

| | | | | | |
|---|---|---|---|---|---|
| 4 | Lh | P | 17 | 33 | 48 |
| | | S | | 44 | 04 |
| | Qt | iP | | 34 | 17.2c |
| | | eS | | 44 | 55.4 |

| | Mu | Sec |
|---|---|---|
| | PZ 0.13 | 0.8 |
| | △ 87°.7 | |

| | | | | | |
|---|---|---|---|---|---|
| | Wr | P | 17 | 34 | 59 |

Mag - 6.2(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 4 | Qt | eP | 17 | 56 | 49.5 |
| 4 | Qt | eP | 21 | 36 | 09.7c |
| 4 | Qt | eP | 23 | 27 | 26.3c |
| 5 | Qt | eP | 02 | 22 | 29.2c |
| 5 | Qt | iP | 04 | 20 | 37.4c |
| 5 | Qt | eP | 04 | 50 | 10.0 |
| 5 | Qt | iP | 04 | 57 | 24.8c |
| | | eS | | 58 | 06.0 |
| 5 | Qt | eP | 05 | 48 | 59.0 |
| 5 | Qt | eP | 10 | 01 | 13.6 |
| 5 | Qt | eP | 12 | 08 | 15 Onset Poor |
| 5 | Qt | eP | 12 | 48 | 52.6 |
| 5 | Qt | eP | 13 | 20 | 12.5 |
| 5 | Qt | eP | 15 | 50 | 06.5 |
| 5 | Qt | eP | 16 | 05 | 42.0c |
| 5 | Qt | eP | 17 | 49 | 21.8 |
| 5 | Qt | eP | 18 | 11 | 31.6 |
| 5 | Qt | eP | 18 | 46 | 10.3c |
| 5 | Qt | eP | 20 | 01 | 32.8 |
| 5 | Qt | eP | 21 | 17 | 08.2 |
| 5 | Qt | eP | 21 | 55 | 4[illegible] |
| 5 | Qt | eP | 22 | 51 | 12.5c |
| 6 | Qt | eP | 04 | 07 | 10.7c |
| | | eS | | 13 | 08.0 |
| 6 | | P | 08 | 50 | 51 |
| | | S | | 51 | 27 |
| | Qt | eP | | 52 | 02.7 |
| 6 | Qt | eP | 19 | 38 | 48.5 |
| 7 | Qt | iP | 01 | 33 | 34.0 |
| | Wr | P | | | 42 |
| 7 | Wr | P | 05 | 32 | 02 |
| | | S | | | 47 |
| | Qt | eP | | | 46 |
| 7 | Wr | P | 08 | 38 | 18 |
| | Qt | eP | | | 54.5c |
| 7 | Wr | P | 09 | 17 | 09 |
| | Qt | eP | | | 46.0 |
| 7 | Qt | eP | 17 | 48 | 01.8 |
| 7 | Wr | P | 17 | 10 | 55 |
| | | S | | 12 | 01 |
| | Qt | eP | | | 07.5 |
| 7 | Qt | eP | 20 | 04 | 59.0c |
| 7 | Qt | eP | 20 | 59 | 34.9c |
| 8 | Qt | eP | 14 | 08 | 46.9c |

October, 1967.

| | | | | | |
|---|---|---|---|---|---|
| 8 | Ch | P | 17 | 10 | 13 |
| | | S | | 18 | 55 |
| | Lh | P | | 11 | 55 |
| | | S | | 22 | 09 |
| | Qt | iP | | 12 | 24.5c |
| 8 | Qt | eP | 17 | 20 | 41.5d |
| 8 | Qt | eP | 18 | 16 | 03.4d |
| 8 | Ch | P | 18 | 19 | 07 |
| | | S | | 27 | 58 |
| | Lh | P | | 20 | 44 |
| | | S | | 31 | 03 |
| | Wr | P | | 20 | 57 |
| | | (S) | | 31 | 20 |
| | Qt | iP | | 21 | 13.5c |
| | | eS | | 32 | 00.4 |

| | Mu | Sec |
|---|---|---|
| | MH 1.1 | 20 |
| | △ = 89°.7 | |
| | Mag = 5.6(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 8 | Qt | iP | 20 | 21 | 13.9d |
| 8 | Qt | eP | 21 | 20 | 06.8d |

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POST BOX NO. 2, QUETTA

P A K I S T A N

International Seismological Centre

No.SS-9(2)/67/2966 Quetta, the _____October, 1967

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

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

Provisional Readings at Seismological Stations from 8th to 15th October, 1967.

Additional
October, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Wr | eP | 22 | 34 | 18.3 |
| | | eS | | | 54.5 |
| 2 | Wr | eP | 00 | 30 | 31.0 |
| 3 | Wr | eP | 05 | 07 | 00.5 |
| 4 | Wr | eP | 04 | 57 | 29 ± |
| 4 | Wr | iP | 06 | 30 | 05.6c |
| 4 | Ch | eP | 17 | 32 | 13 |
| | | eS | | 41 | 02 |
| | Kr | eP | | 34 | 12.5 |
| 5 | Ch | eP | 04 | 18 | 31 |
| 5 | Kr | eP | 04 | 57 | 30.2 |
| | | eS | | 58 | 17.9 |
| | Wr | eP | | | 40 ± |
| 5 | Lh | eP | 16 | 05 | 03 - |
| 7 | Lh | eP | 01 | 33 | 53 - |
| 7 | Kr | eP | 08 | 39 | 20.1 |
| 7 | Ch | eP | 09 | 16 | 36 |
| 8 | Wr | iP | 17 | 12 | 08.8c |
| 8 | Kr | eP | 18 | 21 | 13.6c |

Continuation
October, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 04 | 15 | 15.5 |
| 9 | Qt | eP | 13 | 04 | 43.7 |
| | | eS | | 05 | 07.4 |
| 9 | Ch | P | 13 | 38 | 48 |
| | | S | | 47 | 38 |
| | Wr | P | | 40 | 39 |
| | Qt | iP | | | 55.0c |
| | | eS | | 51 | 32.3 |
| 9 | Ch | P | 14 | 20 | 04 |
| | Qt | iP | | | 59.5c |
| | | eS | | 29 | 10.0 |

October, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | eP | 15 | 38 | 04.6 |
| 9 | Qt | eP | 17 | 16 | 47 Onset Poor |
| 9 | Ch | P | 17 | 34 | 17 |
| | Wr | P | | 35 | 45 |
| | Qt | eP | | 36 | 00.2 |
| 9 | Qt | eP | 17 | 39 | 25 Onset Poor |
| | Kr | P | | | 32 |
| 9 | Qt | eP | 18 | 14 | 53 Onset Poor |
| 9 | Qt | eP | 18 | 17 | 59.0 |
| 9 | Qt | eP | 18 | 46 | 22.7 |
| | | eS | | 50 | 52.5 |
| 9 | Qt | eP | 19 | 25 | 38.5 |
| | | eS | | 26 | 58.0 |
| 10 | Qt | eP | 00 | 53 | 46.3 |
| | | eS | | 56 | 17.2 |
| 10 | Qt | eP | 01 | 15 | 24.0 |
| 10 | Wr | P | 05 | 27 | 52 |
| | Qt | iP | | 28 | 08.4c |
| 10 | Qt | eP | 06 | 57 | 08.7 |
| 10 | Qt | eP | 11 | 12 | 49.8 |
| 10 | Qt | eP | 11 | 35 | 10.7 |
| | | eS | | 36 | 39.5 |
| 10 | Qt | eP | 15 | 52 | 32.5 |
| 10 | Qt | eP | 19 | 20 | 00.4 |
| 10 | Qt | iP | 20 | 42 | 30.9c |
| | Wr | P | | 43 | 44 |
| 10 | Qt | eP | 21 | 33 | 00 Onset Poor |
| | | eS | | 35 | 34.5 |
| 11 | Qt | eP | 13 | 27 | 15.0 |
| 11 | Qt | eP | 16 | 02 | 50.0 |
| | | eS | | 11 | 25.8 |
| 11 | Qt | eP | 16 | 35 | 34.0 |
| 11 | Qt | eP | 18 | 51 | 41.0 |
| 11 | Qt | eP | 20 | 31 | 28.6d |
| 12 | Qt | eP | 01 | 35 | 00.5 |
| 12 | Qt | iP | 03 | 58 | 50d |
| 12 | Qt | eP | 04 | 05 | 45 |
| 12 | Qt | eP | 04 | 52 | 12 |
| | | eS | | 54 | 16 |
| 12 | Wr | P | 06 | 52 | 41 |
| | Qt | iP | | | 49 |
| | | e(S) | | 58 | 52 |

October, 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 12 | Qt | eP | 12 | 58 | 02 | |
| 12 | Lh | P | 13 | 02 | 34 | |
| | | S | | 09 | 40 | |
| | Wr | P | | 02 | 58 | |
| | Qt | iP | | 03 | 35d | |
| | | eS | | 11 | 34 | |
| 12 | Qt | eP | 13 | 31 | 51 | |
| 12 | Ch | P | 18 | 40 | 11 | |
| | | S | | 46 | 54 | |
| | Wr | P | | 42 | 38 | |
| | Qt | iP | | 42 | 51c | |
| | | eS | | 52 | 42 | |
| 12 | Qt | eP | 19 | 10 | 46 | |
| 12 | Qt | eP | 22 | 51 | 11 | |
| 13 | Wr | P | 03 | 26 | 18 | |
| | | S | | 27 | 27 | |
| | Qt | eP | | | 26 | |
| | | eS | | 29 | 32 | |
| 13 | Qt | eP | 07 | 38 | 31 | |
| 13 | Qt | eP | 12 | 52 | 18 | |
| 13 | Qt | eP | 14 | 43 | 38 | |
| | | eS | | 44 | 57 | |
| 13 | Qt | eP | 16 | 47 | 27 | Onset Poor |
| 13 | Qt | eP | 18 | 29 | 47 | |
| 13 | Qt | eP | 19 | 58 | 44 | |
| 13 | Qt | eP | 20 | 25 | 53 | |
| 13 | Qt | eP | 21 | 45 | 36 | |
| 13 | Wr | P | 21 | 59 | 34 | |
| | Qt | eP | 22 | 00 | 19 | |
| 13 | Qt | eP | 22 | 49 | 32 | |
| 14 | Qt | eP | 01 | 28 | 13 | |
| 14 | Qt | eP | 06 | 58 | 34 | |
| | | eS | | 59 | 55 | |
| 14 | Qt | eP | 08 | 04 | 17c | |
| 14 | Qt | eP | 16 | 12 | 50 | |
| 14 | Qt | eP | 17 | 36 | 00 | |
| 14 | Qt | eP | 23 | 37 | 36 | |
| 15 | Qt | eP | 01 | 08 | 38 | |
| | | eS | | 10 | 01 | |
| 15 | Qt | eP | 06 | 40 | 56 | |
| 15 | Qt | eP | 08 | 19 | 32 | |
| | | eS | | 22 | 54 | |
| | Wr | P | | 19 | 41 | |
| | Lh | P | | | 48 | |

October, 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 15 | Qt | eP | 10 | 35 | 56 | |
| 15 | Qt | eP | 13 | 35 | 02 | |
| 15 | Qt | eP | 13 | 52 | 21 | |
| | | eS | | 54 | 32 | |
| 15 | Qt | eP | 17 | 51 | 14 | |
| 15 | Qt | eP | 18 | 00 | 14 | |
| 15 | Qt | eP | 18 | 55 | 00 | |
| 15 | Qt | eP | 21 | 50 | 23 | |
| 15 | Qt | eP | 23 | 22 | 13 | |
| 15 | Qt | iP | 23 | 47 | 25d | |
| 15 | Qt | eP | 23 | 54 | 14 | |

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International Seismological Centre

13.12.67

No.SS-9(2)/63/ 2901 Quetta, the 22nd Nov.1967.

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

Provisional Readings at Seismological Stations from 24th to 31st October'67

Additional

October, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Wr | iP | 17 | 08 | 06.8d |
| | Kr | eP | | | 12.9 |
| 16 | Wr | eP | 20 | 26 | 01.8 |
| 16 | Wr | eI | 23 | 41 | 03.3 |
| 16 | Wr | eI | 23 | 44 | 36 ± |
| 16 | | eS | | 45 | 07.4 |
| 17 | Wr | eI | 13 | 11 | 28.7 |
| | | eS | | 12 | 00.7 |
| 17 | Lh | eI | 21 | 13 | 38 |
| | Kr | eP | | 14 | 18 ± |
| 18 | Wr | iP | 01 | 20 | 59.1c |
| | Ml | eP | | 21 | 09.7 |
| | Kr | eI | | | 52 ± |
| 18 | Wr | eP | 02 | 18 | 44.5 |
| | | iS | | 19 | 13.0 |
| 18 | Wr | eP | 10 | 22 | 37.5 |
| 18 | Wr | iP | 14 | 42 | 08.1d |
| | | eS | | | 43.0 |
| | Ml | iP | | | 29.3c |
| | | iS | | 43 | 18.0 |
| | Qt | eP | | | 12.3 |
| | | eS | | 44 | 36.5 |

H - 14 : 41 : 23.5
36.9N, 70.9E
Hindukush
Depth about 96 Km.

| | | | | | |
|---|---|---|---|---|---|
| 18 | Wr | eI | 17 | 56 | 41.5 |
| 18 | Wr | eP | 22 | 25 | 15 ± |
| 19 | Wr | eP | 22 | 16 | 36.6 |
| | | eS | | 17 | 09.4 |
| 20 | Wr | eI | 06 | 53 | 11 ± |
| 20 | Wr | eP | 10 | 43 | 55.8 |
| | | eS | | 44 | 14.1 |
| | Ml | eP | | | 21.5 |
| | | iS | | 45 | 02.0 |
| | Qt | eP | | | 15 Onset Poor |
| | | eS | | 46 | 33.3 |

H : 10 : 43 : 30
Hindukush

| | | | | | |
|---|---|---|---|---|---|
| 21 | Wr | iP | 07 | 50 | 33.7d |
| | | i(S) | | 51 | 03.7 |
| | Ml | eP | | 50 | 54.0 |
| | | iS | | 51 | 39.0 |
| | Qt | eI | | | 38.5 |
| | | eS | | 52 | 59.6 |

H = 07 : 49 : 53
36.4N, 71.0E
Hindukush
Depth about 96 Km.

October, 1967

| | | | | | |
|---|---|---|---|---|---|
| 21 | Wr | eI | 08 | 49 | 55.8 |
| 22 | Wr | eI | 18 | 49 | 25.0 |
| 23 | Wr | iI | 08 | 35 | 58.2d |
| | Kr | iP | | 36 | 51.2d |
| 23 | Wr | eP | 09 | 23 | 49.2 |
| 23 | Wr | eP | 13 | 20 | 19 ± |

Continuation

October, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 03 | 31 | 55.1 |
| 24 | Wr | P | 10 | 59 | 38 |
| | Qt | eP | | | 39.4c |
| 24 | Qt | eI | 12 | 00 | 17.5d |
| 24 | Qt | eP | 14 | 09 | 28 Onset Poor |
| | | eS | | 10 | 46.0 |
| 24 | Qt | eP | 15 | 37 | 07.5 |
| 24 | Qt | eI | 20 | 00 | 55.0d |
| 24 | Qt | eP | 21 | 16 | 06.7 |
| 25 | Qt | eP | 00 | 44 | 11.7 |
| 25 | Lh | P | 01 | 07 | 14 |
| | | (S) | | 13 | 22 |
| | Wr | P | | 07 | 33 |
| | Qt | eP | | 08 | 05.5 |
| | | eS | | 15 | 08. |
| | Kr | eP | | 08 | 14 |
| | | eS | | 15 | 30 |
| 25 | Qt | eP | 01 | 45 | 42.7 |
| 25 | Qt | eP | 02 | 05 | 29 Onset Poor |
| 25 | Qt | eP | 06 | 57 | 53.6 |
| 25 | Qt | eP | 09 | 03 | 24.0c |
| 25 | Qt | eP | 09 | 20 | 14.9c |
| 25 | Qt | eP | 09 | 33 | 45.9d |
| 25 | Qt | eP | 15 | 22 | 35.0 |
| 25 | Qt | eP | 15 | 55 | 29.9 |
| 25 | Qt | eP | 19 | 16 | 32.6c |
| | | eS | | 20 | 03.2 |
| 25 | Qt | eP | 23 | 22 | 05.7 |
| 26 | Lh | P | 00 | 30 | 14 |
| | | S | | 36 | 34 |
| | Wr | P | | 30 | 33 |
| | | S | | 37 | 07 |
| | Qt | eP | | 31 | 05.7c |
| | | eS | | 38 | 08.7 |

| | Mu | Sec |
|---|---|---|
| MH | 5.6 | 20 |

△ = 49°.4
Mag = 5.9(Qt)

International Seismological Centre



October, 1967

| | | | | | |
|---|---|---|---|---|---|
| 26 | Qt | eP | 01 | 16 | 28.0 |
| 26 | Qt | iP | 05 | 02 | 02.9d |
| | Wr | P | | | 22 |
| 26 | Qt | eP | 05 | 19 | 54.8d |
| 26 | Qt | eP | 08 | 59 | 03.2 |
| 26 | Wr | P | 09 | 39 | 37 |
| | Qt | iP | | | 50.8c |
| 26 | Qt | eP | 09 | 49 | 03.5 |
| 26 | Qt | eP | 12 | 58 | 29.8 * |
| 26 | Wr | P | | 32 | 12 |
| | | S | | 42 | 27 |
| 27 | Qt | eP | 08 | 09 | 20.6 |
| 27 | Qt | eP | 10 | 25 | 36.2 |
| | | eS | | 26 | 59.0 |
| 27 | Qt | eP | 14 | 56 | 57.4 |
| | | eS | | 58 | 07.7 |
| 27 | Qt | eP | 15 | 43 | 36.9 |
| 27 | Wr | P | 17 | 37 | 15 |
| | Qt | eP | | | 49.8 |
| 27 | Qt | eP | 19 | 08 | 28.5 |
| 27 | Qt | iP | 20 | 50 | 15.4c |
| 27 | Qt | eP | 21 | 30 | 27.5 |
| 27 | Qt | eP | 00 | 10 | 44.5 |
| | | eS | | 17 | 33.0 |
| | Wr | P | | 11 | 16 |
| 28 | Qt | eP | 00 | 43 | 54.0 |

(Time incorrect on 28th & 29th October'67)

| | | | | | |
|---|---|---|---|---|---|
| 30 | Lh | P | 07 | 28 | 21 |
| | | S | | 29 | 10 |
| | Qt | eP | | | 38.8 |
| 30 | Qt | eP | 08 | 10 | 40 Onset Poor |
| 30 | Qt | eP | 08 | 50 | 45.2 |

* 26 Ch P 17 29 32

October, 1967

| | | | | | |
|---|---|---|---|---|---|
| 30 | Qt | eP | 20 | 03 | 45.3 |
| 30 | Qt | eP | 23 | 36 | 09.2d |
| 31 | Qt | eP | 01 | 02 | 15.1d |
| [illegible] | | | | | |
| 31 | Qt | eP | 01 | 14 | 34.8 |
| 31 | Qt | eP | 01 | 40 | 40.6 |
| 31 | Qt | eP | 08 | 43 | 30.0 |
| 31 | Qt | eP | 13 | 16 | 58.0 |
| 31 | Qt | eP | 13 | 59 | 11.9 |
| 31 | Qt | eP | 17 | 31 | 30.5 |
| 31 | Qt | eP | 21 | 16 | 09.0 |

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PAKISTAN

No. SS-9(2)/63/ 2902 Quetta, the 13th December 67

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 November to 8th Nov. 1967

Additional
October, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | ePZ | 14 | 08 | 08.4 |
| | | eSN | | | 37.3 |
| 25 | Ch | ePZ | 01 | 05 | 11 |
| 25 | Wr | ePZ | 02 | 05 | 35.3 |
| 25 | Wr | ePZ | 09 | 19 | 30.6 |
| | | eSN | | 20 | 99.6 |
| 25 | Wr | ePZ | 19 | 17 | 28.9 |
| 26 | Ch/ | ePZ | 00 | 20 | 11 |
| | Kr | ePZ | | 31 | 12.6 |
| 27 | Wr | ePZ | 10 | 24 | 19.9 |
| | | eSN | | | 44 |
| | Ml | ePZ | | | 45.2 |
| | | eSE | | 25 | 25.5 |
| 27 | Ch | ePZ | 20 | 47 | 20 Wr ePZ Sec 42.9 |
| | Lh | ePZ | | 49 | 25 |
| 30 | Ml | ePZ | 07 | 28 | 13.7 |
| | | eSE | | 29 | 20.0 |
| | Wr | ePZ | | 28 | 46.4 |
| | Kr | ePZ | | 30 | 12.4 |
| 30 | Wr | ePZ | 08 | 09 | 44 |
| 31 | Kr | ePZ | 21 | 16 | 32.2 |
| | Lh | ePZ | | | 53 |

Continuation

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 06 | 32 | 21.4 |
| 1 | Qt | eP | 09 | 12 | 01.5 |
| 1 | Qt | eP | 15 | 18 | 40.5 |
| 1 | Qt | e(P) | 16 | 20 | 03 |
| 1 | Qt | eP | 16 | 41 | 43.0 |
| 1 | Qt | eP | 17 | 38 | 03.9d |
| 1 | Qt | eP | 17 | 41 | 21.8d |

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 17 | 57 | 08.5 |
| | | eS | | 58 | 27.5 |
| 1 | Qt | iP | 19 | 08 | 32.4c |
| | | eS | | 18 | 08.0 |
| 1 | Qt | iP | 19 | 27 | 31.2c |
| 1 | Qt | eP | 19 | 59 | 38.8 |
| 1 | | | | | |
| 2 | Qt | eP | 07 | 01 | 37 Onset Poor |
| 2 | Qt | eP | 18 | 17 | 08.7d |
| 3 | Qt | eP | 04 | 40 | 14.8c |
| 3 | Qt | eP | 07 | 50 | 55.8 |
| 3 | Qt | eP | 08 | 35 | 05.7 |
| | Wr | P | | | 08. |
| 3 | Qt | eP | 09 | 06 | 39.2 |
| 3 | Qt | eP | 10 | 41 | 19.8 |
| 3 | Wr | P | 16 | 42 | 39 |
| | Qt | eP | | 43 | 50.5d |
| 3 | Qt | e(S) | | 46 | 11.5 |
| 3 | Qt | eP | 22 | 56 | 17.5d |
| | | e(S) | 23 | 02 | 58.7 |
| 4 | Qt | eP | 00 | 47 | 32.7 |
| 4 | Wr | P | 02 | 26 | 59 |
| | Qt | eP | | 27 | 25.8 |
| 4 | Wr | P | 05 | 15 | 28 |
| | Qt | eP | | 16 | 00.0 |
| | | eS | | 23 | 04.5 |
| 4 | Wr | P | 10 | 34 | 54 |
| | Qt | iP | | 35 | 03.5d |
| 4 | Wr | P | 13 | 36 | 22 |
| | Qt | iP | | | 58.4c |
| | | eS | | 45 | 16.2 |

International Seismological Centre

November, 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Wr | P | 14 | 40 | 13 | |
| | | (S) | | 48 | 00 | |
| | Qt | eP | | 40 | 50,5c | |
| | | eS | | 49 | 10.4 | |

| | Mu | Sec |
|---|---|---|
| MH | 21.8 | 20 |

△ = 61°.9
Mag = 6.3(Qt)

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Wr | P | 14 | 55 | 37 | |
| | Qt | eP | | 56 | 15 | Onset Poor |
| 4 | Qt | eP | 16 | 15 | 03.8 | |
| 4 | Wr | P | 16 | 45 | 55 | |
| | Qt | iP | | 46 | 03 0d | |
| | | iX | | 49 | 26.0 | |
| | | e(S) | | 55 | 31.2 | |
| 4 | Wr | P | 19 | 31 | 57 | |
| | Qt | eP | | 32 | 26.9 | |
| 5 | Wr | P | 08 | 54 | 37 | |
| | Qt | eP | | 55 | 10.7d | |
| 5 | Qt | eP | 09 | 00 | 32.4c | |
| 5 | Qt | iP | 23 | 37 | 27.5d | |
| 6 | Qt | eP | 16 | 48 | 42.5d | |
| | | eS | | 49 | 52.8 | |
| 7 | Wr | P | 03 | 49 | 05 | |
| | Qt | eP | | | 14 | Onset Poor |
| 7 | Qt | eP | 04 | 08 | 13.5 | |
| 7 | Qt | eP | 04 | 23 | 48.4 | |
| 7 | Qt | eP | 07 | 59 | 50.8 | |
| 7 | Qt | eP | 10 | 33 | 20.5 | |
| 7 | Qt | eP | 15 | 15 | 30.5 | |
| 7 | Qt | eP | 18 | 08 | 35.4d | |
| 7 | Wr | P | 19 | 58 | 15 | |
| | | S | | 59 | 18 | |
| | Lh | P | | 58 | 53 | |
| | | S | | 59 | 56 | |
| | Qt | iP | | | 19.2d | |
| | | eS | 20 | 01 | 42.0 | |

| | Mu | Sec |
|---|---|---|
| PZ | 0.10 | 0.7 |

△ = 7°.4
H = 19 : 57 : 32
36.5N, 71.3E
HINDUKUSH
Depth about 160 Km
Mag = 5.3(Qt)

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 7 | Qt | eP | 22 | 50 | 17.9 |
| | | eS | | 51 | 48.7 |
| 8 | Qt | eP | 02 | 06 | 23.8d |
| 8 | Qt | eP | 02 | 54 | 12.8 |
| 8 | Qt | eP | 03 | 30 | 08.9 |
| 8 | Lh | P | 06 | 18 | 18 |
| | | S | | 27 | 08 |
| | Wr | P | | 18 | 36 |
| | Qt | iP | | | 50.5d |
| | | eS | | 28 | 14.0 |
| 8 | Qt | eP | 13 | 21 | 27.9 |
| 8 | Qt | iP | 17 | 15 | 07.9c |
| 8 | Ch | P | 17 | 20 | 44 |
| | | S | | 29 | 56 |
| | Wr | P | | 20 | 59 |
| | Lh | P | | 21 | 03 |
| | Qt | iP | | | 31.9c |
| | | S | | 31 | 36.6 |

| | Mu | Sec |
|---|---|---|
| MH | 9.6 | 20 |

△ = 81°.0
Mag- 6.0(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 8 | Qt | eP | 17 | 29 | 26.2 |
| 8 | Qn | P | 17 | 33 | 52 |
| | | S | | 43 | 06 |
| | Wr | P | | 34 | 07 |
| | Lh | P | | | 11 |
| | Qt | eP | | | 40.3c |
| 8 | Qt | iP | 19 | 10 | 15.8d |
| 8 | Qt | iP | 20 | 05 | 59 9c |
| 8 | Qt | eP | 20 | 08 | 12 OnsetPoor |
| | | eS | | 09 | 32.7 |

(K.U.Siddiqi)
for Director
Meteorological Service

26 DEC 1967

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ 2904 Quetta, the 13th December, 1967

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 November, 1967

Additional

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Ch | eP | 02 | 25 | 58 |
| | | iS | | 31 | 41 |
| | Kr | eP | | 28 | 24.2 |
| 9 | Lh | eP | 18 | 28 | 34 |
| | Wr | eP | | 29 | 03.1 |
| | Kr | eP | | | 34.1 |
| 10 | Wr | eP | 02 | 51 | 38.3 |
| 10 | Wr | eP | 00 | 08 | 34.0 |
| 10 | Kr | eP | 18 | 44 | 58.2 |
| | Ch | eP | | 45 | 28 |
| | | eS | | 51 | 00 |
| 11 | Wr | eP | 03 | 10 | 00.6 |
| | Ml | P | | | 16 |
| | Qt | eP | | 11 | 15.1 |
| | | eS | | 12 | 23.5 |
| 11 | Kr | eP | 12 | 21 | 15.3 |
| 11 | Kr | eP | 12 | 21 | 15.3 |
| | Lh | e(P) | | 22 | 07 |
| 11 | Ch | eP | 15 | 12 | 03 |
| 11 | Kr | eP | 18 | 06 | 19.0 |
| | Wr | eP | | 07 | 34.8 |
| 11 | Wr | eP | 19 | 15 | 07.7 |
| 11 | Wr | eP | 20 | 25 | 41.5 |
| 12 | Kr | eP | 10 | 43 | 32.1 |
| 12 | Ch | eP | | 45 | 34 |

H = 03 : 09 : 16
△ = 34°.2N, 72°.5E
Near Peshawar
West Pakistan

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 12 | Ch | eP | 10 | 53 | 48 |
| | | eS | 11 | 02 | 52 |
| 12 | Ch | eP | 21 | 25 | 30 |
| | Wr | eP | | 28 | 07.9 |
| 13 | Wr | eP | 16 | 11 | 20.2 |
| | | eS | | | 51.2 |
| 14 | Ch | eP | 05 | 38 | 32 |
| | | eS | | 46 | 28 |
| | Lh | eP | | 40 | 16 |
| | Kr | eP | | | 44.1d |
| 15 | Ch | eP | 07 | 42 | 43 |
| | | eS | | 47 | 35 |
| 15 | Wr | eP | 19 | 39 | 48.0 |
| 15 | Kr | eP | 21 | 51 | 23.8d |
| | | eS | | 54 | 45.9 |
| | Wr | iP | | 51 | 33.8c |
| | Ch | eP | | | 58 |

Continuation

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 00 | 28 | 38.7 |
| | | eS | | 29 | 55.9 |
| 16 | Qt | eP | 00 | 43 | 17.5 |
| 16 | Qt | eP | 02 | 28 | 10.5 |
| 16 | Qt | eP | 08 | 39 | 49.6 |
| 16 | Qt | eP | 12 | 54 | 55.1 |
| 16 | Qt | eP | 15 | 14 | 36.0 |
| 17 | Qt | eP | 02 | 28 | 15.8c |
| | | eS | | 29 | 47.7 |
| 17 | Qt | eP | 03 | 42 | 12.9 |
| 17 | Qt | eP | 05 | 12 | 07.0 |
| | | eS | | 22 | 44.0 |

International Seismological Centre

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 17 | Qt | eP | 05 | 29 | 08.6 |
| 17 | Qt | eP | 05 | 35 | 26.0 |
| 17 | Qt | eP | 05 | 38 | 36.4 |
| 17 | Qt | eP | 08 | 11 | 17.6 |
| 17 | Qt | eP | 09 | 32 | 37.6d |
| 17 | Qt | eP | 14 | 07 | 23.8d |
| 17 | Qt | eP | 14 | 45 | 29.0 |
| 17 | Qt | eP | 14 | 56 | 48.5d |
| 17 | Qt | eP | 15 | 39 | 57.8 |
| | | eS | | 41 | 29.7 |
| 17 | Qt | eP | 18 | 50 | 28.8 |
| 17 | Qt | eP | 18 | 53 | 15.7 |
| 17 | Qt | eP | 20 | 14 | 26.0 |
| 18 | Qt | eP | 01 | 16 | 07.5 |
| 18 | Qt | eP | 01 | 20 | 40.4 |
| 18 | Qt | eP | 02 | 38 | 45 Onset Poor |
| | | e(S) | | 47 | 00 |
| 18 | Qt | eP | 05 | 40 | 52.9c |
| 18 | Qt | eP | 12 | 36 | 01.5 |
| 18 | Qt | eP | 12 | 39 | 24.5 |
| 18 | Qt | eP | 20 | 48 | 22.7 |
| 18 | Qt | eP | 20 | 52 | 39.5 |
| 19 | Qt | eP | 00 | 33 | 46.4 |
| 19 | Qt | eP | 06 | 40 | 16.4 |
| | | eS | | 41 | 24.3 |
| 19 | Wr | eP | 08 | 31 | 47 |
| | Qt | eP | | 32 | 54.5d |
| | | e(S) | | 39 | 48.4 |
| 19 | Ch | P | 12 | 15 | 11 |
| | | eS | | 20 | 41 |
| | Ih | P | | 16 | 25 |
| | | S | | 24 | 02 |
| | Wr | P | | 16 | 34 |
| | | S | | 24 | 22 |
| | Qt | iP | | 17 | 10.0c |
| | | eS | | 25 | 28.5 |

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 19 | Ch | eP | 17 | 42 | 16 |
| | | S | | 53 | 10 |
| | Ih | P | | 43 | 34 |
| | Qt | eP | | 44 | 00.5 |
| | | ePKP | | 47 | 55.5 |
| | | iX | | 56 | 30.4 |
| | | ePS | | 58 | 20.0 |
| 19 | Qt | eP | 20 | 32 | 26.8 |
| 19 | Qt | eP | 23 | 19 | 49.1 |
| 20 | Qt | eP | 10 | 22 | 23.7 |
| 20 | Qt | iP | 10 | 25 | 32.7d |
| 20 | Wr | eP | 10 | 58 | 13 |
| | Qt | eP | | | 17.9d |
| 20 | Qt | eP | 13 | 46 | 38.6c |
| 20 | Qt | eP | 14 | 34 | 23.1c |
| 20 | Qt | eP | 23 | 01 | 12.9 |
| 21 | Wr | eP | 06 | 19 | 24 |
| | Qt | eP | | 20 | 30.0 |
| 21 | Qt | eP | 06 | 22 | 14.2 |
| | | e(S) | | 28 | 10.3 |
| 21 | Qt | eP | 09 | 05 | 56.5d |
| | Wr | P | | 06 | 16 |
| 21 | Qt | eP | | 08 | 20.0 |
| | | eS | | 11 | 17.3 |
| 21 | Wr | P | 17 | 11 | 18 |
| | Qt | iP | | | 37.4c |
| | | eS | | 19 | 04.8 |
| 21 | Qt | eP | 19 | 56 | 47.8 |
| 21 | Qt | eP | 22 | 01 | 42.0d |
| 22 | Qt | eP | 02 | 56 | 51.5 |
| 22 | Qt | eP | 04 | 49 | 39.5 |
| 22 | Qt | eP | 16 | 01 | 20.5d |
| 22 | Qt | eP | 06 | 21 | 18 Onset Poor |
| 22 | Qt | eP | 09 | 50 | 06.3 |
| 22 | Qt | eP | 14 | 53 | 51.8c |
| 22 | Qt | eP | 15 | 38 | 03.3 |
| | | eS | | 46 | 36.4 |
| 22 | Qt | iP | 22 | 15 | 05.5c |
| 23 | Kr | P | 08 | 40 | 02 |
| | Qt | eP | | | 32.3 |
| | | eS | | 44 | 16.6 |
| | Wr | P | | 41 | 30 |
| | Ih | P | | 41 | 32 |
| | | S | | 46 | 09 |
| | Ch | P | | 43 | 17 |
| | | S | | 49 | 16 |
| 23 | Qt | eP | 09 | 37 | 44.3 |
| 22 | Qt | eP | 10 | 51 | 57.5d |

International Seismological Centre



November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 23 | Ih | P | 13 | 51 | '45 |
| | | S | | 59 | 40 |
| | Qt | eP | | 51 | 46.3c |
| | | eS | | 59 | 44.5 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.16 | 1.4 |

△ = 58°.3
Mag= 5.8(Qt)

Ch P 13 53 07

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

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GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
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PAKISTAN

International Seismological Centre

No.SS-9(2)/63/ 2998 Quetta, the 15 December, 1967

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

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

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Provisional Readings at Seismological Stations from 23rd to 30th November, 1967

Additional
November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Ml | iP | 00 | 28 | 06.8d |
| 16 | Wr | eP | 00 | 42 | 23.9 |
| | Ml | eP | | | 52.8 |
| | | eS | | 44 | 08.6 |
| 16 | Ml | eP | 12 | 54 | 22.9 |
| 17 | Wr | eP | 02 | 27 | 10.7d |
| | | oS | | | 51.0 |
| 17 | Wr | eP | 05 | 11 | 57.3 |
| 17 | Ch | eP | 09 | 30 | 16 |
| | Wr | iP | | 32 | 19.6c |
| 17 | Wr | eP | 15 | 39 | 04.5 |
| | Ml | eP | | | 06.5 |
| | | eS | | | 57.4 |
| 18 | Wr | eP | 02 | 39 | 04.2 |
| 18 | Wr | eP | 05 | 40 | 35.5 |
| 19 | Kr | eP | 12 | 17 | 28.5c |
| 19 | Wr | ePKP | 17 | 47 | 23.6 |
| 21 | Ml | eP | 06 | 20 | 56.9 |
| 21 | Ch | eP | 17 | 13 | 19 |
| 22 | Ch | eP | 15 | 32 | 21 |
| | | eS | | 43 | 15 |
| 22 | Ch | eP | 22 | 12 | 54 |
| | Lh | eP | | 14 | 31 |
| | Wr | iP | | | 52.2d |
| 23 | Ml | eP | 08 | 41 | 38.7 |
| 23 | Wr | eP | 13 | 51 | 22.0 |
| | Kr | eP | | 52 | 26.2 |

Continuation
November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 10 | 46 | 09.6 |
| 24 | Qt | eP | 15 | 32 | 37.3 |
| | | eS | | 33 | 44.5 |
| 24 | Qt | eP | 16 | 07 | 31 Onset Poor |

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | eP | 17 | 49 | 18.8 |
| 24 | Qt | eP | 18 | 45 | 06.7 |
| 24 | Qt | iP | 18 | 56 | 55.5d |
| 24 | Qt | eP | 19 | 01 | 31.4c |
| 24 | Qt | eP | 21 | 07 | 40.0 |
| 24 | Qt | eP | 22 | 08 | 27.5 |
| 25 | Qt | eP | 01 | 02 | 58.7 |
| 25 | Qt | eP | 06 | 15 | 03 Onset Poor |
| 25 | Qt | iP | 08 | 00 | 52.5c |
| | | eS | | 01 | 56.5 |
| 25 | Qt | iP | 16 | 05 | 25.5d |
| 25 | Qt | eP | 16 | 20 | 18.0 |
| 25 | Qt | eP | 22 | 10 | 43.3 |
| | | eS | | 12 | 42.7 |
| 25 | Qt | eP | 22 | 49 | 39.5 |
| 25 | Qt | eP | 23 | 24 | 39.8 |
| 26 | Qt | iP | 00 | 17 | 34.7c |
| | | eS | | 25 | 26.0 |

| | Mag | Sec |
|---|---|---|
| | MH 8.5 | 20 |
| | △ - 57°.1 | |
| | Mag- 6.2 (Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 26 | Qt | eP | 00 | 41 | 09.5 |
| 26 | Qt | iP | 03 | 03 | 45.3c |
| | | eS | | 11 | 34.0 |
| 26 | Qt | eP | 08 | 23 | 53.0 |
| | | e(S) | | 34 | 16.0 |
| 26 | Qt | e(P) | 08 | 27 | 16.4 |
| 26 | Qt | iP | 11 | 04 | 11.5c |
| | | eS | | 12 | 58.0 |
| 26 | Qt | eP | 15 | 15 | 19.0 |
| 26 | Qt | eP | 18 | 28 | 40.5d |
| 26 | Qt | eP | 22 | 40 | 08.5 |

International Seismological Centre



| | | | | | |
|---|---|---|---|---|---|
| 26 | Qt | eP | 22 | 49 | 45.7 |
| 27 | Qt | eP | 04 | 39 | 48.5 |
| 27 | Qt | eP | 05 | 32 | 40.7d |
| | Wr | P | | | 50 |
| 27 | Qt | eP | 08 | 13 | 31.0 |
| 27 | Qt | eP | 08 | 37 | 43.0 |
| 27 | Qt | eP | 11 | 01 | 02.1 |
| 27 | Qt | eP | 13 | 09 | 03 Onset Poor |
| | | eS | | 13 | 02.0 |
| 27 | Qt | eP | 20 | 25 | 26.0 |
| 27 | Wr | P | 20 | 59 | 17 |
| | Qt | iP | 21 | 00 | 27.9c |
| | | eS | | 02 | 22.1 |
| 27 | Qt | eP | 21 | 11 | 16.8 |
| 27 | Qt | eP | 21 | 51 | 41.7 |
| 27 | Qt | iP | 21 | 55 | 29.5d |
| 28 | Qt | eP | 01 | 31 | 26.0d |
| 28 | Qt | eP | 02 | 29 | 00 Onset Poor |
| 28 | Wr | P | 02 | 45 | 31 |
| | Qt | iP | | 46 | 07.4c |
| | | eS | | 53 | 32.3 |
| 28 | Qt | iP | 04 | 22 | 24.4d |
| 28 | Wr | P | 04 | 21 | 00 |
| | | S | | | 28 |
| | Ml | P | | | 20 |
| | | S | | 22 | 03 |
| 28 | Wr | P | 05 | 19 | 41 |
| | | S | | 20 | 15 |
| | Ml | P | | | 05 |
| | | S | | 22 | 53 |
| 29 | Qt | eP | 18 | 03 | 14.4 |

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 29 | Qt | eP | 19 | 36 | 09.3 |
| 30 | Qt | iP | 01 | 32 | 25.4c |
| 30 | Wr | P | 02 | 14 | 43 |
| | | S | | 15 | 15 |
| | Qt | iP | | | 42.4c |
| | | eS | | 17 | 03.3 |
| 30 | Qt | iP | 07 | 31 | 16.7d |
| | | iS | | 37 | 20.3 |

| | Mu | Sec |
|---|---|---|
| MH | 36.0 | 20 |
| △ = | 40.3 | |

| | | | | |
|---|---|---|---|---|
| Ch | P | 07 | 34 | 08 |
| | S | | 42 | 33 |

Mag = 6.2 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 30 | Qt | eP | 11 | 28 | 07.7 |
| 30 | Qt | eP | 11 | 48 | 12.6d |
| 30 | Qt | eP | 14 | 48 | 51.3 |
| 30 | Qt | iP | 16 | 05 | 26.4d |
| 30 | Qt | iP | 16 | 08 | 04.5d |
| 30 | Qt | iP | 16 | 51 | 56.0c |
| | | eS | | 53 | 15.3 |
| 30 | Qt | eP | 18 | 24 | 45 Onset Poor |

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

Aslam
13.12.67

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

P A K I S T A N

International Seismological Centre

No.SS-9(2)/63/ 2498 Quetta, the 15th December, 1967

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

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

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Provisional Readings at Seismological Stations from 1st to 8th December, 1967.

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Additional
November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Wr | eP | 17 | 48 | 24.8 |
| 24 | Wr | eP | 18 | 56 | 35.2 |
| 24 | Wr | eP | 22 | 07 | 15.3 |
| 25 | Wr | eP | 06 | 14 | 36.9 |
| 25 | Wr | eP | 08 | 01 | 47.1 |
| 26 | Wr | iP | 00 | 17 | 00.1c |
| 26 | Ml | iP | 03 | 03 | 26.0d |
| 26 | Wr | eP | 08 | 23 | 26.4 |
| 26 | Wr | eP | 11 | 03 | 56.1 |
| | | eS | | 12 | 30 ± |
| 27 | Wr | eP | 13 | 10 | 58 ± |
| 27 | Wr | eP | 20 | 26 | 17.7 |
| 27 | Ml | eP | 20 | 59 | 06.5 |
| | | eS | | | 58.5 |
| 29 | Ml | iP | 04 | 21 | 19.6d |
| | | iS | | 22 | 03.2 |
| 29 | Ml | eP | 05 | 20 | 05.1 |
| | | iS | | | 52.6 |
| 30 | Wr | eP | 07 | 31 | 28.4 |
| | Ml | eP | | | 49.7 |
| | Lh | eP | | | 55 |
| | | eS | | 38 | 26 |
| 30 | Wr | eP | 11 | 47 | 08.8 |
| 30 | Wr | eP | 16 | 50 | 56.4 |
| | | eS | | 51 | 29.6 |
| | Ml | iP | | | 18.6d |
| | | iS | | 52 | 06.2 |
| 30 | Wr | eP | 18 | 24 | 47.3 |
| | Lh | eP | | | 58 |

Continuation
December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 00 | 43 | 08.4 |
| 1 | Qt | eP | 02 | 05 | 11.3 |
| 1 | Wr | P | 04 | 57 | 02 |
| | Qt | eP | | | 41.2 |
| | | eS | | 59 | 47.3 |

November,
December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Wr | P | 07 | 28 | 26 |
| | Qt | eP | | | 43.1d |
| 1 | Qt | eP | 08 | 28 | 01.4 |
| 1 | Qt | eP | 09 | 56 | 56 Onset Poor |
| 1 | Wr | P | 14 | 07 | 00 |
| | Qt | iP | | | 37.1c |
| | | iS | | 16 | 12.3 |

| | Mu | Sec |
|---|---|---|
| MH | 15.8 | 20 |
| △ | = 64.5 | |
| Mag | =6.2 (Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 15 | 42 | 53.1 |
| 1 | Qt | eP | 16 | 45 | 47.5 |
| 1 | Qt | eP | 20 | 25 | 49.7c |
| 2 | Qt | eP | 00 | 50 | 17.7d |
| 2 | Qt | eP | 02 | 54 | 08 Onset Poor |
| 2 | Wr | P | 05 | 42 | 42 |
| | Qt | eP | | 43 | 21.5c |
| 2 | Wr | P | 10 | 08 | 24 |
| | Qt | eP | | 09 | 09.5 |
| | | e(S) | | 10 | 07.5 |
| 2 | Qt | eP | 12 | 52 | 11.2 |
| 2 | Wr | P | 16 | 00 | 54 |
| | Qt | eP | | 02 | 00.0 |
| | | eS | | 03 | 29.7 |
| 2 | Wr | P | 20 | 12 | 50 |
| | Qt | iP | | 13 | 31.9d |
| | | eS | | 19 | 10.0 |

| | Mu | Sec |
|---|---|---|
| MH | 5.5 | 20 |
| △ | = 36°.3 | |
| Mag | = 5.8(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 3 | Qt | eP | 07 | 28 | 23.4 |

International Seismological Centre



| | | | | | |
|---|---|---|---|---|---|
| 3 | Qt | cP | 21 | 38 | 15.7 |
| 4 | Qt | eP | 00 | 45 | 19.6 |
| | | eS | | 46 | 46.3 |
| 4 | Qt | eP | 06 | 12 | 25.0 |
| 4 | Qt | eP | 09 | 39 | 07.2 |
| 4 | Qt | eP | 12 | 09 | 58.4d |
| 4 | Wr | P | 15 | 36 | 10 |
| | | S | | | 47 |
| | Ml | P | | | 31 |
| | | S | | 37 | 14 |
| | Lh | P | | 36 | 51 |
| | | S | | 37 | 49 |
| | Qt | iP | | | 13.7 |
| | | eS | | 38 | 32.3 |

H = 15 : 35 : 34
36.0N, 71.1E
Hindukush
Depth about 160 km.

| | | | | | |
|---|---|---|---|---|---|
| 4 | Qt | eP | 17 | 54 | 46.3 |
| 4 | Qt | eP | 20 | 26 | 26.4c |
| 4 | Qt | eP | 21 | 47 | 35.3c |
| 4 | Qt | eP | 22 | 31 | 02.4c |
| 5 | Qt | eP | 01 | 35 | 23.3 |
| 5 | Qt | eP | 06 | 19 | 29.8c |
| | | eS | | 20 | 47.4 |
| 5 | Qt | eP | 09 | 17 | 36.4c |
| 5 | Qt | eP | 11 | 30 | 11.4 |
| | | eS | | 31 | 29.2 |
| 5 | Qt | eP | 17 | 34 | 19.7 |
| 5 | Qt | iP | 17 | 46 | 14.3c |
| 5 | Qt | eP | 20 | 00 | 52.6 |
| 6 | Qt | eP | 01 | 14 | 10.2 |
| 6 | Qt | iP | 03 | 11 | 56.2d |
| 6 | Qt | eP | 03 | 15 | 28.4 |
| 6 | Qt | eP | 04 | 49 | 43 Onset Poor |
| 6 | Qt | eP | 05 | 21 | 51.5c |
| 6 | Qt | eP | 05 | 53 | 04.6 |
| 6 | Qt | eP | 08 | 12 | 05.5c |
| | | eS | | 13 | 45.2 |
| 6 | Qt | eP | 13 | 34 | 08.2 |
| | | eS | | 35 | 21.5 |



| | | | | | |
|---|---|---|---|---|---|
| 6 | Qt | eP | 15 | 06 | 49.7d |
| 6 | Qt | eP | 16 | 33 | 42.1 |
| 6 | Qt | eP | 22 | 28 | 16.7c |
| | | eS | | 33 | 25.2 |

| | Mn | Sec |
|---|---|---|
| MH | 2.2 | 20 |

$\Delta = 32^{\circ}.0$
Mag = 5.5(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 6 | Qt | eP | 23 | 45 | 12.6 |
| | | eS | | 46 | 40.7 |
| 7 | Qt | eP | 04 | 42 | 59.4 |
| | | eS | | 44 | 20.3 |
| 7 | Qt | eP | 07 | 37 | 03.3c |
| 7 | Qt | eP | 09 | 59 | 59.2c |
| 7 | Wr | P | 12 | 00 | 18 |
| | Qt | eP | | 01 | 22.4 |
| | | eS | | 02 | 48.6 |
| 7 | Qt | iP | 16 | 05 | 13.0d |
| 7 | Qt | eP | 20 | 47 | 01.3c |
| 7 | Qt | eP | 23 | 05 | 56.4 |
| 7 | Qt | eP | 23 | 12 | 46 Onset Poor |
| 8 | Qt | eP | 03 | 15 | 08.4 |
| 8 | Qt | eP | 03 | 32 | 43.9 |
| 8 | Qt | eP | 03 | 42 | 06.9 |
| 8 | Qt | eP | 11 | 23 | 44.8 |
| 8 | Qt | eP | 13 | 41 | 19Onset Poor |
| 8 | Qt | eP | 15 | 41 | 46.5 |
| | | eS | | 43 | 06.8 |
| 8 | Qt | eP | 17 | 08 | 46.5 |
| | | eS | | 10 | 04.5 |
| 8 | Qt | eP | 18 | 38 | 28.4 |
| 8 | Qt | eP | 22 | 17 | 52.0 |
| 8 | Qt | eP | 22 | 58 | 30.5 |
| | | eS | | 59 | 52.0 |
| 8 | Wr | eP | 23 | 03 | 24 |
| | | S | | | 57 |
| | Qt | iP | | 04 | 22.7c |
| | | eS | | 05 | 42.8 |

(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

International Seismological Centre

No.SS-9'2)/63/ 2703 Quetta, the 13th December, 1967

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 November, 1967

Additional

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Wr | ePZ | 17 | 56 | 06.1 |
| 1 | Lh | ePZ | 19 | 07 | 58 |
| | Wr | ePZ | | 0 | 16.8c |
| | Kr | ePZ | | | 24.4d |
| 1 | Ch | ePZ | 19 | 06 | 01 |
| 1 | Wr | ePZ | 19 | 26 | 55.0 |
| 3 | Kr | ePZ | 08 | 35 | 13.6 |
| 3 | Wr | ePZ | 10 | 40 | 59.0 |
| 4 | Ch | ePZ | 02 | 22 | 02 |
| 4 | Kr | ePZ | 05 | 16 | 06.2 |
| 4 | Ch | ePZ | 10 | 33 | 36 |
| 4 | Ch | ePZ | 13 | 35 | 03 |
| | Lh | ePZ | | 36 | 13 |
| | Kr | ePZ | | 37 | 14.8 |
| 4 | Ch | ePZ | 14 | 39 | 16 |
| | Lh | ePZ | | 40 | 09 |
| | Kr | ePZ | | 41 | 09.2 |
| 4 | Ch | ePZ | 14 | 54 | 40 |
| | Kr | ePZ | | 56 | 35.5 |
| 4 | Kr | ePZ | 16 | 46 | 09.2 |
| | Ch | ePZ | | | 38 |
| 5 | Kr | ePZ | 08 | 55 | 26.2 |
| 6 | Wr | ePZ | 07 | 55 | 50.1 |
| 6 | Ml | ePZ | 16 | 48 | 24.0 |
| | | iSE | | 49 | 16.1 |
| 7 | Ch | ePZ | 20 | 02 | 21 |
| 8 | Ch | ePZ | 06 | 16 | 11 |
| | Ml | ePZ | | 18 | 19.0 |
| | Kr | ePZ | | | 43.1 |
| 8 | Kr | ePZ | 17 | 21 | 54.2 |

Continuation

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Lh | P | 02 | 28 | 05 |
| | | S | | 35 | 36 |
| | Wr | P | | 28 | 28 |
| | | S | | 36 | 19 |

November, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Qt | iPZ | | 28 | 37.5d |
| | | eSN | | 36 | 38.6 |
| 9 | Qt | ePZ | 03 | 57 | 10.4 |
| 9 | Qt | ePZ | 07 | 59 | 51.1 |
| 9 | Qt | ePZ | 08 | 38 | 12.6 |
| 9 | Qt | ePZ | 17 | 39 | 09.1 |
| 9 | Qt | iPZ | 18 | 29 | 38.5c |
| | | eSE | | 37 | 50.2 |
| 10 | Qt | ePZ | 02 | 54 | 06.5 |
| 10 | Qt | ePZ | 04 | 51 | 41.3 |
| 10 | Qt | ePZ | 06 | 09 | 05.1 |
| | | eXZ | | 13 | 06.4 |
| 10 | Qt | ePZ | 06 | 40 | 59.8 |
| 10 | Qt | ePZ | 07 | 37 | 47.4 |
| 10 | Qt | ePZ | 09 | 30 | 28.0 |
| 10 | Qt | ePZ | 13 | 29 | 03.2 |
| 10 | Wr | P | 14 | 22 | 20 |
| | Qt | e(P)Z | | 24 | 20.1 |
| 10 | Qt | iPZ | 18 | 45 | 40.5c |
| | | eSN | | 51 | 18.0 |
| | Lh | P | | 45 | 50 |
| | | S | | 51 | 39 |
| | Wr | P | | 46 | 21 |
| 10 | Qt | ePZ | 19 | 00 | 40.7 |
| 10 | Qt | ePZ | 19 | 17 | 52.0 |
| 10 | Qt | iPZ | 20 | 19 | 28.1d |
| 10 | Qt | ePZ | 20 | 58 | 56.6 |
| 10 | Qt | iPZ | 22 | 44 | 25.6d |
| 11 | Wr | P | 00 | 30 | 42 |
| | Qt | iPZ | | 31 | 04.3c |
| 11 | Qt | ePZ | 02 | 36 | 50 |
| 11 | Wr | P | 03 | 10 | 01 |
| | Ml | P | | | 16 |
| | Qt | eP | | 11 | 15.1 |
| 11 | Wr | P | 04 | 57 | 57 |
| | | S | | 58 | 29 |
| | Ml | P | | | 17 |
| | | S | | 59 | 03 |
| | Qt | eP | | 58 | 31.3 |

| | | | | | |
|---|---|---|---|---|---|
| 11 | Qt | ePZ | 08 | 46 | 42.6 |
| 11 | | eP | 12 | 02 | 46 |
| | | eS | | 08 | 49 |
| | Qt | e | | 02 | 58 |
| | | eSN | | 08 | 41 |
| | Wr | P | | 03 | 29 |
| 11 | Ch | P | 12 | 21 | 48 |
| | | S | | 27 | 26 |
| | Qt | ePZ | | 22 | 00.0 |
| | | eSN | | 27 | 40.4 |
| | Wr | P | | 22 | 31 |
| 11 | Qt | ePZ | 13 | 45 | 25.2 |
| 11 | Qt | ePZ | 15 | 12 | 14.0 |
| | | eSN | | 18 | 00.0 |
| | Wr | P | | 12 | 44 |
| 11 | Qt | eP | 16 | 43 | 33 |
| 11 | Qt | ePZ | 17 | 49 | 22.5 |
| | | eSN | | 55 | 08.1 |
| | Wr | P | | 49 | 53 |
| 11 | Ch | P | 18 | 06 | 51 |
| | | S | | 12 | 22 |
| | Qt | ePZ | | 07 | 04.4 |
| | | eSE | | 12 | 49.2 |
| | Wr | P | | 07 | 35 |
| 11 | Qt | ePZ | 19 | 14 | 38.5 |
| 11 | Qt | ePZ | 19 | 20 | 01.4 |
| 11 | Qt | ePZ | 20 | 25 | 15.5 |
| 12 | Qt | ePZ | 10 | 02 | 58.5 |
| 12 | Qt | ePZ | 10 | 09 | 46.5 |
| 12 | Wr | P | 10 | 41 | 15 |
| | Lh | P | | | 56 |
| | | S | | 42 | 56 |
| | Qt | eBZ | | | 19.9 |
| | | eSE | | 43 | 38 |
| 12 | Qt | iPZ | 10 | 55 | 52.0d |
| 12 | Qt | IPZ | 12 | 39 | 36c |
| 12 | Qt | iPZ | 13 | 18 | 37.1d |
| *12 | Qt | iPZ | 19 | 05 | 26.2 c |
| 12 | Qt | ePZ | 22 | 18 | 26 |
| 12 | Qt | iPZ | 23 | 24 | 49.5c |
| 13 | Qt | ePZ | 04 | 53 | 09,2 |
| 13 | Qt | ePZ | 09 | 49 | 56,2 |
| 13 | Qt | ePZ | 16 | 12 | 20.1 |
| | | eSE | | 13 | 37.5 |
| *12 | Qt | iPZ | 21 | 28 | 36d |



| | | | | | |
|---|---|---|---|---|---|
| 13 | Qt | ePZ | 16 | 23 | 51.2 |
| 13 | Qt | ePZ | 17 | 11 | 39.1 |
| 13 | Wr | P | 19 | 03 | 54 |
| | | S | | 05 | 20 |
| | Qt | ePZ | | 04 | 57.5 |
| 13 | Qt | ePZ | 20 | 37 | 10 |
| 14 | Ch | P | 00 | 04 | 48 |
| | | S | | 05 | 06 |
| | Wr | P | | 08 | 53 |
| | Qt | eP | | 09 | 19.0 |
| | | eSN | | 13 | 40.0 |

Folt Srimangal
East Pakistan.

| | | | | | |
|---|---|---|---|---|---|
| 14 | Wr | P | 05 | 40 | 32 |
| | Qt | ePZ | | | 47.1 |
| | | eSN | | 50 | 49.8 |
| 14 | Qt | ePZ | 13 | 49 | 57.5d |
| 14 | Qt | ePZ | 19 | 34 | 58 |
| 14 | Qt | ePZ | 20 | 03 | 13.5 |
| 15 | Qt | iPZ | 07 | 45 | 38.5d |
| | | eSN | | 53 | 05.2 |
| 15 | Qt | ePZ | 17 | 34 | 57.5 |
| 15 | Qt | ePZ | 17 | 46 | 17.2 |
| | | eSN | | 50 | 21.2 |
| 15 | Qt | iP | 19 | 39 | 03d |
| 15 | Qt | iPZ | 21 | 51 | 23.5c |
| | Lt. | P | | | 38 |
| 15 | Qt | ePZ | 22 | 27 | 56.5 |

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

International Seismological Centre

28 DEC 1967

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

P A K I S T A N

International Seismological Centre

No. SS-9(2)/63/3221 Quetta, the 21st December, 1967

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

Provisional Readings at Seismological Stations from the 9th to 15th December, 1967

Additional
December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 1 | Ml | eP | 04 | 56 | 36.1 |
| | | eS | | 57 | 51.6 |
| 1 | Ml | eP | 09 | 55 | 27.3 |
| | | iS | | | 53.6 |
| 2 | Ml | eP | 02 | 53 | 03.4 |
| | | iS | | | 28.4 |
| 2 | Wr | P | 16 | 00 | 54 |
| | Ml | eP | | 01 | 10.0 |
| | Qt | eP | | 02 | 00.0 |
| | | eS | | 03 | 29.7 |

H = 16 : 00 : 04
36.5N, 73.0E
Northern West Pakistan
Depth about 220 Km.

| | | | | | |
|---|---|---|---|---|---|
| 2 | Lh | eP | 20 | 12 | 38 |
| 5 | Ml | eP | 09 | 17 | 05.9 |
| 5 | Ml | eP | 11 | 29 | 32.8 |
| | | iS | | 30 | 21.0 |
| 6 | Ml | eP | 04 | 49 | 25.0c |
| 6 | Ml | eP | 13 | 33 | 33.0 |
| | | eS | | 34 | 19.5 |
| 6 | Ml | eP | 23 | 44 | 25.4 |
| | | iS | | 45 | 16.5 |
| 7 | Wr | P | 12 | 00 | 18 |
| | Ml | eP | | | 38.1 |
| | | iS | | 01 | 28.4 |
| | Qt | eP | | | 22.4 |
| | | eS | | 02 | 48.6 |

H = 11 : 59 : 31
36.3N, 71.7E
HINDUKUSH
Depth about 190 Km

| | | | | | |
|---|---|---|---|---|---|
| 8 | Ml | eP | 15 | 41 | 05.5 |
| 8 | Ml | eP | 22 | 57 | 46.0 |
| | | iS | | 58 | 30.5 |
| | Qt | eP | | | 30.5 |
| | | eS | | 59 | 52.0 |

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 8 | Wr | P | 23 | 03 | 24 |
| | | S | | | 57 |
| | Ml | eP | | | 42.4 |
| | | iS | | 04 | 29.0 |
| | Qt | eP | | | 22.7c |
| | | eS | | 05 | 42.8 |

H = 23 : 02 : 40
36.1N, 71.0E
HINDUKUSH
Depth about 287 Km.

Continuation
December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Lh | P | 01 | 04 | 54 |
| | | S | | 05 | 19 |
| | Wr | P | | | 33 |
| | Qt | eP | | 06 | 20 Onset Poor |
| 9 | Qt | eP | 03 | 17 | 36 Onset Poor |
| 9 | Wr | P | 04 | 57 | 07 |
| | Qt | iP | | | 54.6c |
| | | iS | | 59 | 12.9 |
| 9 | Qt | eP | 05 | 46 | 26.5c |
| 9 | Qt | eP | 08 | 13 | 16.6 |
| 9 | Qt | iP | 08 | 16 | 47.5c |
| 9 | Qt | eP | 09 | 41 | 49.5 |
| | | iS | | 42 | 56.c |
| 9 | Qt | eP | 11 | 07 | 49.9 |
| 9 | Qt | eP | 13 | 47 | 20.0 |
| 9 | Qt | eP | 14 | 06 | 15.9d |
| 9 | Qt | eP | 17 | 13 | 10.0d |
| 9 | Qt | eP | 20 | 03 | 15.1c |
| 9 | Qt | eP | 22 | 23 | 52.9 |
| 9 | Wr | P | 22 | 52 | 49 |
| | Qt | eP | | 53 | 24.1 |
| 9 | Qt | eP | 23 | 46 | 15.2 |
| 10 | Qt | eP | 01 | 01 | 46.0 |
| 10 | Wr | P | 02 | 58 | 56 |
| | Qt | eP | | 59 | 45.3 |
| 10 | Wr | P | 05 | 12 | 57 |
| | Qt | eP | | 14 | 19.1 |
| | | eS | | 15 | 16.3 |

December, 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | Wr | P | 07 | 57 | 34 | |
| | Qt | eP | | 58 | 34.8 | |
| | | eS | 08 | 00 | 26.0 | |
| 10 | Qt | e P | 10 | 55 | 56.5 | |
| 10 | Qt | eP | 12 | 25 | 34 | Onset Poor |
| | | eS | | 32 | 43.0 | |
| 10 | Qt | eP | 12 | 36 | 40.6 | |
| 10 | Qt | eP | 12 | 49 | 35.2 | |
| 10 | Wr | P | 15 | 38 | 18 | |
| | Qt | eP | | 39 | 22.1 | |
| 10 | Wr | P | 18 | 48 | 35 | |
| | Qt | eP | | | 55.8c | |
| 10 | Qt | eP | 18 | 49 | 55.8 | |
| | | eS | | 53 | 58.0 | |

Assam - Burma border

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | Ih | P | 22 | 54 | 37 | |
| | Qt | eP | | 54 | 41.4d | |
| | | eS | | 57 | 21.2 | |
| | Wr | P | | 55 | 14 | |

Southern India
Felt Bombay, Poona,
damage at Koynanagar

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | Qt | eP | 23 | 55 | 38.5 | |
| | Wr | P | | 56 | 15 | |
| 11 | Qt | iP | 12 | 26 | 58.2d | |
| | | iS | | 28 | 27.9 | |
| 11 | Qt | eP | 16 | 31 | 12.0 | |
| 11 | Qt | iP | 19 | 09 | 14.3c | |
| | | eS | | 12 | 53.0 | |
| 11 | Qt | iP | 19 | 53 | 35.5d | |
| | | eS | | 57 | 40.0 | |
| 11 | Qt | eP | 20 | 38 | 38 | Onset Poor |
| 11 | Qt | eP | 20 | 53 | 13.0 | |
| | Wr | P | | | 49.0 | |
| 11 | Qt | eP | 21 | 09 | 39.5 | |
| 11 | Qt | iP | 22 | 35 | 09.9d | |
| | | iS | | 39 | 14.2 | |
| | Wr | P | | 36 | 03 | |
| 12 | Qt | eP | 03 | 27 | 55.4d | |
| | Wr | P | | 28 | 39 | |
| 12 | Qt | eP | 04 | 37 | 34.4d | |
| 12 | Qt | eP | 05 | 32 | 52.6 | |

December, 1967

| | | | | | | |
|---|---|---|---|---|---|---|
| 12 | Qt | eP | 06 | 21 | 58.0d | |
| | | eS | | 25 | 40.0 | |
| | Wr | P | | 22 | 30 | |
| | Ch | P | | | 43 | |
| | | S | | 25 | 48 | |
| 12 | Qt | eP | 08 | 45 | 46.3c | |
| 12 | Qt | eP | 10 | 19 | 29.8 | |
| 12 | Wr | P | 10 | 29 | 26 | |
| | Qt | eP | | 30 | 46.3 | |
| 12 | Qt | eP | 11 | 21 | 02.8 | |
| 12 | Qt | eP | 14 | 28 | 33.7 | |
| 12 | Qt | eP | 15 | 47 | 18.9 | |
| 12 | Qt | eP | 15 | 52 | 16.5 | |
| | | eS | | 55 | 56.2 | |
| | Wr | P | | 52 | 49 | |
| | Ch | P | | 53 | 00 | |
| | | S | | 56 | 05 | |

After shock
Koynanagar. India.

| | | | | | | |
|---|---|---|---|---|---|---|
| 12 | Qt | eP | 18 | 23 | 35 | Onset Poor |
| 13 | Qt | eP | 05 | 01 | 49 | Onset Poor |
| 13 | Qt | eP | 10 | 48 | 55.4c | |
| 13 | Qt | eP | 11 | 08 | 55.8 | |
| 13 | Wr | P | 15 | 14 | 01 | |
| | Qt | iP | | | 59.3d | |
| 13 | Qt | eP | 15 | 46 | 01.3d | |
| 13 | Qt | eP | 16 | 07 | 35.5d | |
| 13 | Qt | eP | 17 | 57 | 35.0d | |
| 13 | Qt | eP | 18 | 09 | 11.4 | |
| 13 | Qt | eP | 19 | 21 | 37.7 | |
| 13 | Qt | eP | 19 | 23 | 08.4 | |
| | Wr | P | | | 45 | |
| 13 | Qt | eP | 19 | 36 | 46.4 | |
| 13 | Qt | eP | 20 | 22 | 30.0 | |
| 13 | Qt | eP | 21 | 00 | 03.0d | |
| 13 | Qt | eP | 21 | 53 | 00.3d | |
| 14 | Qt | eP | 02 | 24 | 59.0c | |
| | | eS | | 28 | 56.4 | |

| | Mu | Sec |
|---|---|---|
| MH | 4.8 | 20 |
| △ = | 22.3 | |
| Mag= | 5.5(Qt) | |

| | | | | | |
|---|---|---|---|---|---|
| 14 | Qt | eP | 03 | 01 | 40.3 |

International Seismological Centre

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 14 | Qt | eP | 03 | 42 | 16.9 |
| | | eS | | 43 | 34.3 |
| 14 | Qt | eP | 11 | 42 | 35.2 |
| | | eS | | 43 | 54.8 |
| 14 | Qt | eP | 15 | 09 | 49.0 |
| 14 | Qt | eP | 15 | 48 | 48.5 |
| 14 | Qt | eP | 18 | 36 | 12.0c |

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 14 | Qt | eP | 18 | 47 | 55.1 |
| 14 | Qt | iP | 19 | 30 | 09.8d |
| 14 | Qt | eP | 22 | 05 | 37.8 |
| 14 | Qt | eP | 23 | 31 | 53.8 |
| 14 | Qt | eP | 23 | 39 | 11.7c |
| 15 | Qt | eP | 07 | 40 | 33 Onset Poor |
| 15 | Qt | iP | 20 | 06 | 08.4d |

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

.....

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

PAKISTAN

9 JAN 1968

International Seismological Centre

No.SS-9(2)/63/30 Quetta, the 1.1.1968 ~~December, 1967~~

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

Provisional Readings at Seismological Stations from 16th to 23rd December, 1967

Additional

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 9 | Ml | eP | 01 | 05 | 02.5 |
| | | iS | | | 32.0 |
| 9 | Wr | eP | 09 | 40 | 56.7 |
| 10 | Lh | eP | 07 | 57 | 06 ± |
| | | eS | | 58 | 01 |
| | Ml | eP | | 57 | 12.0 |
| 10 | Lh | eP | 18 | 48 | 03 |
| | Ml | eP | | | 12.0 |
| 10 | Ml | iP | 22 | 54 | 59.2c |
| 11 | Wr | eP | 12 | 25 | 53.5 |
| | Ml | iP | | 26 | 09.3c |
| 11 | Wr | eP | 19 | 54 | 27.2 |
| 11 | Lh | eP | 22 | 36 | 05 |
| 12 | Wr | eP | 05 | 37 | 18.0 |
| 12 | Ml | eP | 10 | 29 | 47.4 |
| | | eS | | 31 | 00.5 |
| 12 | Ml | eP | 15 | 52 | 34.6 |
| 13 | Ml | eP | 10 | 48 | 14.6 |
| | Lh | e(P) | | | 18 |
| | Wr | eP | | | 18.9 |
| 13 | Wr | eP | 11 | 08 | 19.0 |
| 13 | Ml | eP | 15 | 14 | 22.8 |
| 13 | Wr | eP | 17 | 56 | 57.9 |
| 14 | Wr | eP | 02 | 25 | 54.5 |
| | Lh | eP | | | 57 |
| 14 | Wr | eP | 03 | 02 | 01.3 |

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 14 | Wr | eP | 03 | 41 | 23.1 |
| | | eS | | | 59.6 |
| | Ml | eP | | | 50.5 |
| | | eS | | 42 | 47.9 |
| | Qt | eP | | | 16.9 |
| | | eS | | 43 | 34.3 |

H = 03 : 40 : 35
36.7N, 69.5E
HINDUKUSH
Depth about 160 Km

Continuation

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Qt | eP | 03 | 38 | 25.3d |
| 16 | Qt | eP | 15 | 20 | 44.4d |
| 16 | Qt | eP | 19 | 54 | 23.5 |
| 16 | Qt | eP | 21 | 04 | 54.8d |
| | | eS | | 13 | 44.4 |

| | Mu | Sec |
|---|---|---|
| Mi | 11.8 | 20 |

$\Delta$ = 66°.9
Mag = 6.3(Qt)

16 Qt eP 23 37 24 Onset Poor

| | | | | | |
|---|---|---|---|---|---|
| 17 | Wr | P | 00 | 25 | 56 |
| | Lh | P | | 26 | 36 |
| | | S | | 27 | 37 |
| | Qt | iP | | | 01.0c |
| | | eS | | 28 | 22.4 |

H = 00 : 25 : 15.6
36.7N, 71.4E
HINDUKUSH
Depth about 160 Km

International Seismological Centre

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 17 | Ml | P | 01 | 56 | 28 |
| | | S | | 57 | 23 |
| | Qt | eP | | | 30.6 |
| | | eS | | 59 | 19.5 |
| 17 | Qt | eP | 16 | 08 | 10.3 |
| 17 | Qt | eP | 16 | 13 | 18.6 |
| 17 | Qt | eP | 17 | 56 | 56.0d |
| 17 | Qt | eP | 18 | 10 | 56.5 |
| 17 | Qt | iP | 20 | 53 | 52.4d |
| 18 | Qt | eP | 01 | 01 | 32.7 |
| 18 | Qt | eP | 10 | 12 | 03.8 |
| 18 | Qt | iP | 10 | 18 | 21.8c |
| 18 | Wr | P | 10 | 53 | 58 |
| | Qt | eP | | 54 | 37.8 |
| | | eS | | 56 | 57.2 |
| 18 | Qt | eP | 12 | 40 | 33.8 |
| 18 | Wr | P | 14 | 14 | 11 |
| | Qt | eP | | | 53.9 |
| | | eS | | 20 | 41.4 |
| 18 | Qt | iP | 14 | 25 | 00.4d |
| 18 | Wr | P | 17 | 32 | 36 |
| | Qt | eP | | 33 | 47.3d |
| | | eS | | 35 | 58.5 |
| 18 | Qt | eP | 19 | 06 | 27.6 |
| 18 | Qt | eP | 22 | 23 | 27.6 |
| 18 | Qt | eP | 22 | 53 | 29.4 |
| | | eS | | 56 | 52.5 |
| 19 | Qt | eP | 03 | 11 | 22.5 |
| 19 | Wr | P | 03 | 24 | 45 |
| | Qt | iP | | 25 | 50.8c |
| | | iS | | 27 | 21.6 |
| | Ch | P | | 28 | 48 |
| 19 | Qt | eP | 09 | 01 | 53.4 |
| 19 | Qt | eP | 14 | 23 | 37.5 |
| 19 | Qt | eP | 14 | 52 | 52.5 |
| 19 | Wr | P | 22 | 47 | 18 |
| | | S | | | 57 |
| | Qt | iP | | 48 | 10.5d |
| | | iS | | 49 | 25.6 |
| 19 | Qt | eP | 23 | 51 | 42.0 |

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 20 | Qt | iP | 01 | 44 | 30.4c |
| 20 | Qt | eP | 05 | 55 | 54.3d |
| 20 | Qt | iP | 06 | 23 | 09.7c |
| 20 | Wr | P | 11 | 40 | 29 |
| | Qt | eP | | | 35.0d |
| | | eS | | 46 | 00.0 |

| Mu | Sec |
|---|---|
| MH 5.3 | 20 |

$\triangle = 34°.4$

Mag = 5.7(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 20 | Qt | eP | 17 | 14 | 36.3d |
| 20 | Qt | eP | 17 | 26 | 19.2 |
| 20 | Qt | eP | 23 | 01 | 03.3 |
| | | eS | | 02 | 22.0 |
| | Wr | P | | 01 | 25 |
| 20 | Wr | P | 23 | 36 | 52 |
| | | S | | 37 | 18 |
| | Qt | eP | | | 54.7 |
| | | iS | | 39 | 08.6 |
| 20 | Qt | eP | 23 | 50 | 31.1 |
| 21 | Qt | ePKP | 02 | 44 | 40.2 |
| | Wr | PKP | | | 53 |
| | Kr | PKP | | | 54 |
| | Ml | PKP | | | 59 |
| | Lh | PKP | | 45 | 02 |
| | Ch | PKP | | | 27 |

Chilean Earthquake

| | | | | | |
|---|---|---|---|---|---|
| 21 | Qt | eP | 03 | 21 | 08.0 |
| 21 | Qt | eP | 04 | 19 | 16 Onset Poor |
| 21 | Wr | P | 06 | 28 | 06 |
| | Qt | eP | | | 44.5 |
| | | e(S) | | 29 | 20.2 |
| 21 | Qt | eP | 08 | 09 | 55 Onset Poor |
| | Wr | P | | | 58 |
| 21 | Wr | eP | 11 | 56 | 24.3 |
| 21 | Wr | P | 14 | 49 | 09 |
| | | S | | | 39 |
| | Qt | eP | 14 | 50 | 14.3 |
| | | iS | | 51 | 32.6 |
| 21 | Qt | eP | 16 | 14 | 12.7d |
| 21 | Qt | eP | 16 | 23 | 22. Onset Poor |
| 21 | Qt | eP | 16 | 27 | 32.7d |

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| | | | | | |
|---|---|---|---|---|---|
| 21 | Qt | eP | 18 | 04 | 52.7d |
| 21 | Qt | eP | 20 | 02 | 13.7c |
| 21 | Qt | eP | 20 | 05 | 21.3c |
| 21 | Qt | eP | 22 | 10 | 00.0c |
| 21 | Ch | P | 23 | 45 | 43 |
| | Wr | P | | 49 | 17 |
| | Qt | eP | | | 24.4d |
| | | eS | | 54 | 50.0 |
| 22 | Qt | eP | 05 | 26 | 32 Onset Poor |
| 22 | Qt | eP | 11 | 33 | 10.7 |
| 22 | Qt | eP | 12 | 56 | 54.4d |
| 22 | Qt | eP | 13 | 10 | 00.8d |
| 22 | Qt | eP | 14 | 32 | 47 Onset Poor |
| | | eS | | 34 | 42.4 |
| 22 | Qt | eP | 19 | 39 | 44.5 |

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 22 | Qt | eP | 20 | 29 | 16.1d |
| 22 | Qt | eP | 23 | 27 | 59.0d |
| 23 | Wr | P | 03 | 40 | 30 |
| | Qt | eP | | 41 | 25.3 |
| | | eS | | 42 | 15.3 |
| 23 | Qt | iP | 10 | 41 | 08.8 |
| 23 | Wr | P | 13 | 35 | 44 |
| | Qt | iP | | 36 | 01.2d |
| | | eS | | 46 | 26.3 |
| 23 | Qt | eP | 16 | 15 | 38.8d |
| 23 | Qt | eP | 16 | 51 | 24.8c |
| 23 | Qt | iP | 17 | 02 | 27.5d |
| 23 | Qt | eP | 17 | 24 | 10.8c |
| 23 | Qt | eP | 21 | 43 | 51.0c |
| 23 | Qt | eP | 23 | 22 | 09.5 |
| 23 | Qt | eP | 23 | 35 | 43.5 |

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

.....

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

**P A K I S T A N**

No.SS-9(2)/68/165 Quetta, the 13th January, 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 December' 68**

Additional
December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 16 | Lh | eP | 21 | 04 | 18 |
| | | eS | | 12 | 37 |
| 19 | Wr | P | 22 | 47 | 18 |
| | Ml | iP | | | 43.4c |
| | | iS | | 48 | 35.1 |
| | Qt | iP | | | 10.5d |
| | | iS | | 49 | 25.6 |

| | Mu | Sec |
|---|---|---|
| PS | 0.02 | 0.6 |

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

H = 22 : 46 : 39
36°.4N, 70°.0E
H I N D U K U S H
Depth about 223 Km
Mag = 4.4 (Qt)

| | | | | | |
|---|---|---|---|---|---|
| 20 | Wr | P | 23 | 36 | 52 |
| | | S | | 37 | 18 |
| | Ml | eP | | | 16.6 |
| | | iS | | 38 | 00.8 |
| | Qt | eP | | 37 | 54.7 |
| | | iS | | 39 | 08.6 |

H = 23 : 36 : 19
35°.8N, 70°.8E
Hindukush region
Depth about 160 km.

| | | | | | |
|---|---|---|---|---|---|
| 21 | Wr | P | 14 | 49 | 09 |
| | | S | | | 39 |
| | Ml | eP | | | 29.0 |
| | | eS | | 50 | 14.5 |
| | Qt | eP | | | 14.3 |
| | | iS | | 51 | 32.6 |

H = 14 : 48 : 30
36°.3N, 71°.4E
H I N D U K U S H
Depth about 160 km.

Continuation
December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Qt | iP | 00 | 49 | 26.0c |
| | | eS | | 50 | 47.5 |
| 24 | Qt | eP | 04 | 31 | 33.0 |
| 24 | Wr | P | 08 | 43 | 25 |
| | Qt | eP | | 44 | 05.2 |
| | | eS | | 52 | 10.0 |
| 24 | Qt | eP | 09 | 37 | 33.5d |
| 24 | Wr | P | 12 | 02 | 49 |
| | Qt | iP | | 03 | 47.6 |
| | | iS | | 04 | 59.5 |
| 24 | Qt | eP | 16 | 51 | 42.5 |
| 24 | Qt | eP | 20 | 17 | 51.2 |
| 24 | Qt | iP | 20 | 22 | 28.4d |
| | | eS | | 28 | 30.0 |
| 24 | Qt | eP | 20 | 32 | 46 Onset Poor |
| 24 | Qt | eP | 21 | 51 | 08.0 |
| 24 | Qt | eP | 22 | 02 | 04.6 |
| 24 | Qt | eP | 22 | 06 | 09 Onset Poor |
| 24 | Qt | iP | 23 | 20 | 18.1d |
| 24 | Qt | eP | 23 | 53 | 15.5 |
| | Ml | P | | | 32 |
| | | S | | 56 | 48 |
| 25 | Ch | P | 01 | 34 | 21 |
| | | S | | 43 | 10 |
| | Lh | P | | 35 | 58 |
| | Ml | P | | 36 | 03 |
| | | S | | 46 | 25 |
| | Wr | P | | 36 | 12 |
| | Qt | iP | | | 28.2c |
| | | eS | | 47 | 00.0 |

International Seismological Centre

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December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 25 | Qt | eP | 03 | 39 | 09.6d |
| 25 | Qt | iP | 09 | 42 | 20.0d |
| 25 | Qt | eP | 10 | 22 | 38 Onset Poor |
| 25 | Qt | iP | 10 | 36 | 52.0d |
| 25 | Qt | ePKP | 11 | 00 | 36.0 |
| | Wr | PKP | | | 58 |
| 25 | Qt | iP | 11 | 54 | 14.7d |
| 25 | Ch | P | 12 | 20 | 19 |
| | | S | | 29 | 24 |
| | Qt | iP | | 22 | 27.5 |
| | Wr | P | | 23 | 05 |
| 25 | Qt | eP | 12 | 30 | 26.0 |
| 25 | Wr | P | 13 | 15 | 52 |
| | Qt | eP | | 16 | 37.4 |
| 25 | Ch | P | 17 | 24 | 27 |
| | Qt | eP | | 25 | 16.0 |
| | | e(S) | | 34 | 21.0 |
| 25 | Qt | eP | 17 | 41 | 01.7d |
| | Wr | P | | | 37 |
| 25 | Qt | eP | 18 | 03 | 13.3 |
| 25 | Qt | iP | 19 | 04 | 53.0d |
| 25 | Qt | iP | 20 | 02 | 41.5c |
| 25 | Qt | iP | 21 | 32 | 15.2d |
| 25 | Qt | iP | 22 | 31 | 16.5 |
| 26 | Qt | iP | 00 | 39 | 40.0c |
| 26 | Qt | eP | 02 | 25 | 48 Onset Poor |

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 26 | Qt | eP | 05 | 37 | 21.2 |
| 26 | Qt | iP | 09 | 05 | 36.5c |
| | | e(S) | | 16 | 10.0 |
| 26 | Qt | eP | 14 | 53 | 28.0 |
| 26 | Qt | eP | 22 | 35 | 55.0 |
| 26 | Qt | iP | 22 | 49 | 34.1 |
| | | eS | | 50 | 57.0 |
| 27 | Qt | eP | 00 | 47 | 20.6d |
| 27 | Qt | eP | 01 | 55 | 49.1 |
| 27 | Qt | eP | 02 | 08 | 07.5 |
| 27 | Qt | eP | 02 | 24 | 15.6d |
| 27 | Qt | iP | 03 | 03 | 29.7d |
| | | iS | | 04 | 47.3 |
| 27 | Qt | eP | 03 | 22 | 17 Onset Poor |
| 27 | Qt | eP | 03 | 47 | 04.0 |
| 27 | Qt | eP | 04 | 41 | 07.5d |
| | | eS | | 51 | 52.0 |
| 27 | Qt | ePKP | 09 | 36 | 57.0 |
| | Wr | PKP | | 37 | 09 |
| 27 | Qt | eP | 10 | 17 | 06.1 |

contd.....3

International Seismological Centre

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| | | | | | |
|---|---|---|---|---|---|
| 27 | Qt | eP | 13 | 32 | 14.2 |
| 27 | Wr | P | 14 | 48 | 05 |
| | Qt | eP | | 49 | 05.5 |
| 27 | Qt | iP | 14 | 51 | 09.2c |
| | | eS | 15 | 01 | 08 |
| 27 | Qt | eP | 15 | 00 | 01.0 |
| 27 | Wr | PKP | 16 | 41 | 42 |
| | Qt | ePKP | | | 48.7 |
| 27 | Qt | eP | 16 | 51 | 29.5c |
| 27 | Qt | iP | 22 | 30 | 38.4d |
| 27 | Qt | eP | 23 | 21 | 51 Onset Poor |
| 28 | Qt | eP | 00 | 17 | 15.3 |
| 28 | Qt | eP | 12 | 52 | 25.0 |
| 28 | Qt | eP | 15 | 58 | 28.0d |
| 28 | Qt | eP | 17 | 52 | 22.2 |
| 28 | Wr | P | 20 | 16 | 38 |
| | Ml | P | | | 55 |
| | Qt | iP | | 17 | 43.1d |
| | | iS | | 19 | 12.0 |

| | Mu | Sec |
|---|---|---|
| PZ | 0.1 | 0.6 |

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

H = 20 : 15 : 49
37°.0N, 71°.5E
Hindukush Region
Depth about 223 Km.
Mag = 5.1(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 28 | Qt | eP | 21 | 45 | 17.2 |
| 29 | Qt | iP | 05 | 23 | 19.6c |

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 29 | Wr | P | 06 | 25 | 34 |
| | Ml | P | | | 59 |
| | | S | | 26 | 49 |
| | Qt | eP | | | 28.2d |
| | | iS | | 27 | 43.5 |

| | Mu | Sec |
|---|---|---|
| PZ | .03 | 0.6 |

$\Delta = 6^{o}.6$

H = 06 : 24 : 52.0
36.°0N, 70 .°E
H I N D U K U S H
Depth about 223 km
Mag = 4.6(Qt)

| | | | | | |
|---|---|---|---|---|---|
| 29 | Qt | eP | 12 | 47 | 29.2 |
| 29 | Ml | P | 14 | 56 | 42 |
| | | S | | 57 | 12 |
| | Qt | eP | | 58 | 07.2 |
| | | eS | | 59 | 45.0 |
| 29 | Qt | eP | 15 | 35 | 16.0 |
| 29 | Qt | eP | 19 | 41 | 30.2 |
| 29 | Qt | eP | 19 | 56 | 46 Onset Poor |
| 30 | Wr | P | 12 | 40 | 04 |
| | Qt | eP | | | 57.0 |
| 30 | Qt | eP | 23 | 38 | 03 Onset Poor |
| 31 | Wr | P | 00 | 25 | 15 |
| | Qt | eP | | | 58.0 |
| | | eS | | 27 | 21.2 |
| 31 | Qt | eP | 01 | 42 | 03.5 |
| 31 | Qt | eP | 02 | 09 | 56.2c |
| 31 | Qt | eP | 02 | 42 | 06.1d |
| 31 | Qt | iP | 03 | 32 | 32.3d |

International Seismological Centre

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| | | | | | |
|---|---|---|---|---|---|
| 31 | Qt | iP | 13 | 10 | 38.9d |
| | | eS | | 11 | 55.6 |
| 31 | Wr | P | 14 | 04 | 38 |
| | Qt | eP | | | 55.8 |
| | | eS | | 05 | 58.7 |
| 31 | Qt | eP | 14 | 12 | 20.0 |
| 31 | Wr | P | 15 | 18 | 25 |
| | Qt | eP | | | 41.3d |

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 31 | Qt | eP | 19 | 38 | 57.3c |
| | | eS | | 40 | 07.0 |
| 31 | Qt | eP | 20 | 04 | 33.4 |
| | | eS | | 06 | 04.5 |
| 31 | Qt | iP | 23 | 04 | 41.6d |

The Deputy Director and the Staff of the GEOPHYSICAL INSTITUTE QUETTA wish a Happy New Year for you and the staff at your Institution.

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

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23 JAN 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)/68/215 Quetta, the 18th 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 1st to 8th January, 1968

Additional

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 24 | Ch | eP | 08 | 43 | 05 |
| 24 | Ml | eP | 12 | 03 | 14.1 |
| | | eS | | 04 | 09.3 |
| 24 | Ml | eP | 18 | 20 | 49.4 |
| | | eS | | 21 | 43.0 |
| 24 | Ch | eP | 20 | 22 | 26 |
| 24 | Ch | eP | 21 | 51 | 47 |
| 24 | Wr | eP | 23 | 53 | 47.7 |
| | Ch | eP | | | 56 |
| 25 | Kr | eP | 01 | 36 | 18.2 |
| 25 | Wr | eP | 04 | 15 | 07.8 |
| 25 | Ml | eP | 11 | 01 | 08.0 |
| 25 | Ml | eP | 12 | 22 | 02.0 |
| 25 | Ml | eP | 13 | 16 | 22.6 |
| 26 | Ch | eP | 09 | 03 | 28 |
| | | eS | | 12 | 17 |
| | Wr | iP | | 05 | 20.5 |
| 26 | Wr | eP | 22 | 48 | 30.3 |
| | Ml | eP | | | 53.0 |
| | | iS | | 49 | 41.3 |
| | Qt | iP | | | 34.1d |
| | | eS | | 50 | 57.0 |

H = 22 : 47 : 48
36°.6N, 70°.9E
H I N D U K U S H
Depth about 160 km

| | | | | | |
|---|---|---|---|---|---|
| 27 | Wr | iP | 03 | 02 | 30.5d |
| | | iS | | 03 | 07.0 |
| | Ml | eP | | 02 | 51.4 |
| | Qt | iP | | 03 | 29.7d |
| | | iS | | 04 | 47.3 |

H = 03 : 01 : 46
36°.5N, 70°.8E
H I N D U K U S H
Depth about 223 km

December, 1967

| | | | | | |
|---|---|---|---|---|---|
| 27 | Ml | iP | 09 | 37 | 16.5c |
| | Ch | iP | | | 45d |
| 27 | Wr | eP | 22 | 21 | 42.4 |
| 28 | Ch | eP | 12 | 47 | 51 |
| 28 | Ch | eP | 17 | 53 | 01 |
| 28 | Kr | eP | 20 | 18 | 49.5c |
| | | eS | | 22 | 03.7 |
| | Ch | eP | 20 | 20 | 39 |
| 29 | Wr | iP | 14 | 57 | 06.7c |
| 29 | Wr | eP | 23 | 14 | 00.1 |
| | | eS | | | 33.7 |
| | Ml | eP | | | 27.0 |
| | | eS | | 15 | 17.1 |
| 30 | Wr | eP | 00 | 15 | 10.1 |
| 30 | Wr | iP | 02 | 33 | 57.9 |
| 30 | Wr | eP | 04 | 27 | 44.0 |
| 30 | Ch | eP | 12 | 39 | 26 |
| 30 | Wr | eP | 18 | 23 | 25.6 |
| 31 | Wr | P | 14 | 04 | 38 |
| | Qt | eP | | | 55.8 |
| | | e(S) | | 05 | 58.1 |
| | Ml | eP | | 04 | 56.1 |
| 31 | Ch | eP | 15 | 16 | 35 |
| | | eS | | 25 | 35 |
| 31 | Wr | iP | 19 | 38 | 08.5d |
| 31 | Ml | eP | 20 | 03 | 45.9 |
| | | eS | | 04 | 36.5 |

Continuation

January, 1968

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 04 | 23 | 07.8 |
| 1 | Qt | eP | 20 | 38 | 19.7d |

International Seismological Centre

January, 1968

| | | | | | |
|---|---|---|---|---|---|
| 1 | Qt | eP | 20 | 41 | 36.0 |
| 1 | Qt | iP | 22 | 43 | 19.2d |
| 2 | Wr | P | 00 | 33 | 48 |
| | Qt | iP | | 34 | 04.0 |
| | | eS | | 44 | 36.0 |
| 2 | Qt | iP | 07 | 40 | 45.1d |
| 2 | Qt | iP | 10 | 18 | 49.3d |
| 2 | Qt | iP | 12 | 02 | 33.0d |
| 2 | Qt | eP | 16 | 58 | 52.5 |
| 2 | Qt | eP | 17 | 13 | 07.4 |
| 2 | Qt | eP | 23 | 04 | 00.0 |
| 2 | Qt | iP | 23 | 10 | 53.3d |
| | | eS | | 12 | 10.4 |
| 3 | Qt | iP | 02 | 37 | 16.5c |
| 3 | Qt | eP | 03 | 18 | 06.6 |
| 3 | Qt | iP | 04 | 19 | 00.5d |
| | | eS | | 26 | 36.0 |
| 3 | Qt | iP | 07 | 47 | 22.3d |
| 3 | Wr | P | 10 | 30 | 14 |
| | Qt | eP | | | 43.7d |
| 3 | Qt | eP | 21 | 47 | 26.0 |
| 4 | Ch | P | 01 | 09 | 34 |
| | | S | | 19 | 16 |
| | Wr | P | | 09 | 39 |
| | Lh | P | | | 45 |
| | | S | | 19 | 37 |
| | Qt | iP | | 10 | 09.3c |
| | | eS | | 20 | 28.2 |
| 4 | Qt | eP | 01 | 28 | 28 Onset Poor |
| 4 | Qt | eP | 09 | 55 | 03.0 |
| 4 | Wr | P | 10 | 27 | 04 |
| | Qt | eP | | | 12.3d |
| 4 | Wr | P | 10 | 40 | 14 |
| | Qt | eP | | | 28.5c |
| 4 | Wr | P | 19 | 16 | 10 |
| | Qt | iP | | | 37.2d |
| | | iS | | 17 | 54.2 |
| 4 | Qt | iP | 20 | 30 | 39.4d |
| 4 | Qt | iP | 22 | 25 | 50.9d |
| 5 | Qt | iP | 01 | 05 | 25.0c |

January, 1968

| | | | | | |
|---|---|---|---|---|---|
| 5 | Qt | eP | 06 | 41 | 13.2 |
| 5 | Lh | P | 06 | 44 | 07 |
| | Wr | (P) | | | 30 |
| | Qt | eP | | 45 | 19.3 |
| | | eS | | 47 | 47.5 |
| 5 | Qt | eP | 09 | 30 | 55.3 |
| 5 | Qt | eP | 16 | 49 | 50.4d |
| 6 | Qt | eP | 10 | 30 | 29.4 |
| 6 | Qt | eP | 12 | 26 | 23.4d |
| 6 | Ch | P | 15 | 14 | 54 |
| | Wr | P | | 18 | 59 |
| | Qt | iP | | 19 | 09.1c |
| | | eS | | 24 | 28.1 |
| 6 | Qt | iP | 16 | 38 | 52.4d |
| | | eS | | 40 | 02.0 |
| 6 | Qt | eP | 20 | 20 | 29.2 |
| 6 | Wr | P | 21 | 57 | 56 |
| | Qt | eP | | 58 | 56.7 |
| | | eS | 22 | 00 | 05.8 |
| 6 | Qt | eP | 23 | 46 | 20.0 |
| 6 | Qt | ePKP | 23 | 46 | 51.5d |
| | Wr | PKP | | 47 | 01 |
| | Lh | PKP | | | 05 |
| | Ch | PKP | | | 23 |
| 7 | Qt | iP | 00 | 42 | 45.6d |
| 7 | Qt | iP | 03 | 51 | 47.4c |
| 7 | Qt | iP | 09 | 28 | 10.4c |
| 7 | Lh | P | 10 | 08 | 58 |
| | | S | | 19 | 12 |
| | Qt | iP | | 09 | 28.3c |
| | | eS | | 20 | 10.0 |
| 7 | Lh | P | 11 | 22 | 08 |
| | Wr | P | | | 18 |
| | Qt | iP | | | 52.4c |
| | | eS | | 31 | 14.0 |

Contd.....3

International Seismological Centre



January, 1968

| | | | | | |
|---|---|---|---|---|---|
| 7 | Qt | eP | 19 | 36 | 18.6d |
| 7 | Wr | P | 21 | 48 | 40 |
| | Qt | iP | | 49 | 23.5c |
| 8 | Qt | eP | 14 | 00 | 50.7c |
| 8 | Qt | eP | 17 | 37 | 00.0 |
| 8 | Qt | eP | 19 | 03 | 41.2d |
| | | iX | | 09 | 06.4 |
| | Wr | P | | 04 | 23 |

January, 1968

| | | | | | |
|---|---|---|---|---|---|
| 8 | Qt | eP | 20 | 35 | 57.0 |
| 8 | Qt | eP | 22 | 13 | 18.5d |
| 8 | Qt | iP | 23 | 43 | 07.7c |
| | | iS | | 44 | 25.0 |

(K.U.Siddiqi)
for Director
Meteorological Services

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