

BOX 517
S-751 20 UPPSALA
SWEDEN

SEISMOLOGICAL BULLETIN

U P P S A L A, K I R U N A, S K A L S T U G A N, U M E Å,
 U D D E H O L M and D E L A R Y

| | | | | |
|------------|-------|------------|------------|-----------|
| Uppsala | (Up): | 59°51.5'N, | 17°37.6'E; | h = 14 m |
| Kiruna | (Ki): | 67°50.4'N, | 20°25.0'E; | h = 390 m |
| Skalstugan | (Sk): | 63°34.8'N, | 12°16.8'E; | h = 580 m |
| Umeå | (Um): | 63°48.9'N, | 20°14.2'E; | h = 16 m |
| Uddeholm | (Ud): | 60°05.4'N, | 13°36.4'E; | h = 240 m |
| Delary | (De): | 56°28.2'N, | 13°52.2'E; | h = 150 m |

J U L Y 1 - 31, 1972

| | | | | | | | | | | | | |
|------|------|---|---|--------------|------------|------|------|---|---|------|--------------|------------|
| 1972 | July | 1 | Up | iS* | 04 34 02.6 | 1972 | July | 1 | Ki | iP | 12 22 51.9 | |
| | | | | iSg2 | 04 34 17.0 | | | | Um | iP | 12 23 03.6 | |
| | | | Ud | iSg2 | 04 34 09.1 | | | " | 1 | De | iP | 12 39 18.9 |
| | | | De | iPgl | 04 31 50.1 | | | " | 1 | Up | iSn | 12 41 14.8 |
| | | | | iSgl | 04 32 12.6 | | | | | iSgl | 12 41 26.1 | |
| | | | Baltic Sea, south of Sweden, 54.9°N, 13.4°E. | | | | | | | Ki | iSgl | 12 44 03.9 |
| | | | Origin time = 04 31 22. | | | | | | | Sk | iSgl | 12 43 16.8 |
| | | | Explosion. | | | | | | | Um | iSgl | 12 42 02.8 |
| " | 1 | Up | iS* | 04 35 24.9 | | | | | Ud | eSgl | 12 42 29 | |
| | | | | iSg2 | 04 35 38.3 | | | | De | iSgl | 12 42 53.7 | |
| | | Ud | iSg2 | 04 35 29.5 | | | | | Esthonia, 59.5°N, 24.8°E. | | | |
| | | De | iPgl | 04 33 13.0 | | | | | Origin time = 12 39 30. | | | |
| | | | | iSgl | 04 33 35.4 | | | | Explosion. | | | |
| | | Baltic Sea, south of Sweden, 54.9°N, 13.4°E. | | | | | | " | 1 | Up | iP | 13 59 24.1 |
| | | Origin time = 04 32 45. | | | | | | | | Ki | iP | 13 59 34.2 |
| | | Explosion. | | | | | | | | Sk | iP | 13 59 50.2 |
| " | 1 | Ud | iPKP | 06 04 11.2 | | | | | Um | iP | 13 59 22.9 C | |
| | | De | iPKP | 06 04 19.8 | | | | | Ud | iP | 13 59 41.0 | |
| | | Tonga Islands (h = 40 km). | | | | | | | Hindu Kush (h = 130 km). | | | |
| " | 1 | Um | iP | 07 23 04.9 | | | | " | 1 | Up | iSgl | 17 28 11.4 |
| | | Ud | eP | 07 23 20 | | | | | | Ki | eSgl | 17 29 11 |
| " | 1 | Up | iP | 08 29 04.6 | | | | | | Sk | ePgl | 17 25 55 |
| | | Ki | eP | 08 28 49 | | | | | | iSgl | 17 26 27.0 | |
| | | Ud | eP | 08 29 13 | | | | | Um | iSgl | 17 28 18.5 | |
| " | 1 | Up | iPKP | 10 41 58.8 | | | | | Ud | iSgl | 17 27 16.4 | |
| | | Ki | iPKP | 10 41 42.4 | | | | | | iSg2 | 17 27 23.1 | |
| | | Sk | iPKP | 10 41 53.6 | | | | | De | iSgl | 17 28 47.7 | |
| | | | iPKP2 | 10 42 06.1 | | | | | West coast of Norway, 62.8°N, 7.5°E. | | | |
| | | Um | iPKP | 10 41 48.6 C | | | | | Origin time = 17 25 14. | | | |
| | | | iPKP2 | 10 42 01.9 | | | | " | 1 | Up | eP | 23 08 25 |
| | | Ud | iPKP | 10 42 00.5 | | | | | | Ki | eP | 23 08 15 |
| | | De | iPKP2 | 10 42 32.8 | | | | | | Ud | iP | 23 08 15.4 |
| | | South of Kermadec Islands (h = 60 km). | | | | | | | Mexico (h = N). | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

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|------|---|--------------------------|------|------------|-----|-----|--|--|--|------|---|---------------------------|-------------------------------|------------|------------|-----|-----|--|--|--|
| 1972 | | | | | | | | | | 1972 | | | | | | | | | | |
| July | 2 | Up | iP | 00 18 56.7 | | | | | | July | 2 | (cont.) | | | | | | | | |
| | | Ki | iP | 00 19 05.1 | C | | | | | | | Um | i | 13 03 33.7 | | | | | | |
| | | Sk | iP | 00 19 22.1 | | | | | | | | | iPP | 13 04 58 | | | | | | |
| | | Um | iP | 00 18 54.7 | C | | | | | | | | iS | 13 09 22 | | | | | | |
| | | Ud | iP | 00 19 13.4 | | | | | | | | Ud | iP | 13 03 30.3 | | | | | | |
| | | Hindu Kush (h = 250 km). | | | | | | | | | | | i | 13 03 33.7 | | | | | | |
| " | 2 | Up | iX | 00 47 38.3 | | | | | | | | | iS | 13 09 32.7 | | | | | | |
| | | Ki | eP | 00 47 16 | | | | | | | | De | iP | 13 03 13.7 | | | | | | |
| | | Sk | eX | 00 47 18 | | | | | | | | | i | 13 03 16.6 | | | | | | |
| | | Um | iP | 00 47 25.6 | | | | | | | | Iran (h = 30 km). | | | | | | | | |
| | | | iX | 00 47 31.7 | | | | | | | | m = 5.5, M = 5.4 (Up,Ki). | | | | | | | | |
| | | | ipP | 00 47 40.7 | | | | | | | | Double P, in average 3.6 | | | | | | | | |
| | | Ud | iP | 00 47 22.7 | | | | | | | | sec apart. | | | | | | | | |
| | | Mexico. | | | | | | | | | " | 2 | Up | iP | 14 12 14.8 | | | | | |
| | | h = 55 km (Um). | | | | | | | | | | | Ki | eP | 14 12 54 | | | | | |
| " | 2 | Up | iSg1 | 08 08 47.7 | | | | | | | | | Ud | iP | 14 12 30.2 | | | | | |
| | | Ki | iPn | 08 04 31.5 | | | | | | | | | De | eP | 14 12 14 | | | | | |
| | | | iSn | 08 05 30.5 | | | | | | | | Iran (h = 30 km). | | | | | | | | |
| | | | iS* | 08 05 49.6 | | | | | | | " | 2 | Up | iP | 16 09 53.8 | | | | | |
| | | | iSg1 | 08 05 54.0 | | | | | | | | | | | | | | | | |
| | | | iSg2 | 08 05 59.3 | | | | | | | " | 2 | Ud | iPKP | 20 32 51.6 | | | | | |
| | | Sk | iSg1 | 08 08 18.8 | | | | | | | | | De | iPKP | 20 33 03.0 | | | | | |
| | | | i | 08 08 26.5 | | | | | | | | | | | | | | | | |
| | | Um | iSn | 08 06 08.0 | | | | | | | " | 2 | Ud | iP | 20 37 11.0 | | | | | |
| | | | iSg1 | 08 06 43.3 | | | | | | | | | | | | | | | | |
| | | Ud | i | 08 08 46.2 | | | | | | | " | 2 | Ud | eP | 23 47 35 | | | | | |
| | | | iSg1 | 08 09 14.6 | | | | | | | | Japan (h = 230 km). | | | | | | | | |
| | | Northwest USSR, | | | | | | | | | " | 3 | Up | iP | 01 31 25.1 | D | | | | |
| | | 67.7°N, 34.0°E. | | | | | | | | | | | | iPP | 01 35 08.9 | | | | | |
| | | Origin time = 08 03 13. | | | | | | | | | | | | | micr | sec | | | | |
| | | Explosion. | | | | | | | | | | | | P | Z' | 0.2 | 0.7 | | | |
| " | 2 | Up | iP | 13 03 14.8 | | | | | | | | | Ki | iP | 01 30 57.5 | D | | | | |
| | | | i | 13 03 18.4 | | | | | | | | | | iPP | 01 34 27.0 | | | | | |
| | | | iPP | 13 04 39 | | | | | | | | | | | micr | sec | | | | |
| | | | iS | 13 08 58 | | | | | | | | | | P | Z' | 0.6 | 1.0 | | | |
| | | | | micr | sec | | | | | | | | Sk | iP | 01 31 22.5 | D | | | | |
| | | | P | Z' | 0.1 | 1.0 | | | | | | | | iPP | 01 35 04.9 | | | | | |
| | | | Mx | E | 2.0 | 21 | | | | | | | Um | iP | 01 31 08.9 | D | | | | |
| | | | Mx | N | 3.4 | 21 | | | | | | | | i | 01 31 18.7 | | | | | |
| | | | Mx | Z | 1.8 | 17 | | | | | | | | i | 01 31 32.2 | | | | | |
| | | Ki | iP | 13 03 54.3 | | | | | | | | | | iPP | 01 34 44.5 | | | | | |
| | | | i | 13 03 58.2 | | | | | | | | | Ud | iP | 01 31 31.4 | D | | | | |
| | | | iPP | 13 05 32 | | | | | | | | | | iPP | 01 35 21.6 | | | | | |
| | | | iSS | 13 12 58 | | | | | | | | | De | iP | 01 31 42.5 | D | | | | |
| | | | | micr | sec | | | | | | | | | iPP | 01 35 41.4 | | | | | |
| | | | P | Z' | 0.1 | 0.9 | | | | | | | Mariana Islands (h = 620 km). | | | | | | | |
| | | | Mx | E | 4.0 | 19 | | | | | | | m = 6.3 (Up,Ki). | | | | | | | |
| | | | Mx | N | 4.3 | 20 | | | | | | | | | | | | | | |
| | | | Mx | Z | 1.6 | 15 | | | | | | | | | | | | | | |
| | | Sk | iP | 13 03 51.4 | | | | | | | " | 3 | Up | iP | 02 17 08.5 | | | | | |
| | | | i | 13 03 55.3 | | | | | | | | | Ki | iP | 02 17 47.0 | | | | | |
| | | | iPP | 13 05 32.3 | | | | | | | | | | iPP | 02 19 26.7 | | | | | |
| | | Um | iP | 13 03 29.8 | | | | | | | | | Sk | iP | 02 17 44.7 | | | | | |
| | | (cont.) | | | | | | | | | | | Um | iP | 02 17 22.3 | | | | | |
| | | | | | | | | | | | | | (cont.) | | | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

July

4

(cont.)

| | | | | |
|----|-----|---|-------|--------|
| Ki | | | micr | sec |
| | Mx | E | 2.4 | 21 |
| | Mx | N | 2.3 | 21 |
| | Mx | Z | 2.4 | 17 |
| Sk | iP | | 01 15 | 46.5 |
| Um | iP | | 01 15 | 30.4 C |
| | ipP | | 01 15 | 43.3 |
| | iS | | 01 24 | 27 |
| Ud | iP | | 01 16 | 00.4 C |
| | ipP | | 01 16 | 14.0 |
| De | iP | | 01 16 | 15.4 |

Japan.

h = 50 km (Ki,Um,Ud).

m = 6.2, M = 5.5 (Up,Ki).

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|----|----|--|-------|------|
| Up | eP | | 01 52 | 36 |
| Ki | iP | | 01 51 | 58.5 |
| Sk | eP | | 01 52 | 33 |
| Um | iP | | 01 52 | 13.6 |
| | i | | 01 52 | 35.2 |
| Ud | iP | | 01 52 | 41.9 |
| De | eP | | 01 53 | 02 |

Japan (h = 40 km).

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|----|----|--|-------|------|
| Ud | iP | | 03 03 | 20.1 |
|----|----|--|-------|------|

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|----|-----|--|-------|------|
| Ki | iP1 | | 04 16 | 37.2 |
| | iP2 | | 04 16 | 43.8 |
| Um | iP2 | | 04 16 | 42.8 |
| Ud | iP1 | | 04 16 | 50.7 |

Java (h = 90 km).

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|----|----|--|-------|------|
| Ki | iP | | 06 23 | 05.9 |
| Ud | iP | | 06 22 | 13.0 |

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|----|------|----|-------|--------|
| Up | iP | | 10 29 | 02.3 C |
| | iSKS | | 10 39 | 23 |
| | | | micr | sec |
| | P | Z' | 0.1 | 1.0 |
| | Mx | E | 4.5 | 21 |
| | Mx | N | 3.5 | 18 |
| | Mx | Z | 7.8 | 22 |
| Ki | iP | | 10 28 | 46.1 C |
| | iPP | | 10 32 | 10 |
| | | | micr | sec |
| | P | Z' | 0.3 | 1.0 |
| | Mx | E | 4.0 | 19 |
| | Mx | N | 4.7 | 18 |
| | Mx | Z | 3.8 | 20 |
| Sk | iP | | 10 29 | 07.4 C |
| Um | iP | | 10 28 | 51.7 C |
| | ipP | | 10 29 | 07.5 |
| Ud | iP | | 10 29 | 10.9 C |
| | ipP | | 10 29 | 27.2 |
| | iPP | | 10 32 | 46.6 |

(cont.)

1972

July

4

(cont.)

| | | | | |
|----|-----|--|-------|--------|
| De | iP | | 10 29 | 16.3 C |
| | ipP | | 10 29 | 32.1 |
| | iPP | | 10 33 | 02.9 |

Negros.

h = 60 km (Um,Ud,De).

m = 6.2, M = 6.0 (Up,Ki).

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|----|----|--|-------|------|
| Um | iP | | 11 13 | 10.1 |
|----|----|--|-------|------|

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|----|------|--|-------|------|
| Ki | iSgl | | 12 08 | 37.5 |
| Um | iSgl | | 12 06 | 41.1 |
| Ud | iSgl | | 12 07 | 27.0 |
| De | iSgl | | 12 08 | 02.8 |

Western USSR.

Explosion.

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| | | | | |
|----|------|--|-------|------|
| Um | i(P) | | 20 58 | 04.9 |
|----|------|--|-------|------|

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| | | | | |
|----|------|----|-------|------|
| Up | iPKP | | 00 04 | 03.4 |
| | i | | 00 04 | 08.9 |
| | | | micr | sec |
| | PKP | Z' | 0.1 | 0.7 |

| | | | | |
|----|------|--|-------|----|
| Ki | ePKP | | 00 03 | 47 |
|----|------|--|-------|----|

| | | | | |
|----|------|--|-------|------|
| Sk | iPKP | | 00 03 | 57.2 |
|----|------|--|-------|------|

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|--|---|--|-------|------|
| | i | | 00 03 | 59.2 |
|--|---|--|-------|------|

| | | | | |
|----|------|--|-------|--------|
| Um | iPKP | | 00 03 | 52.3 D |
|----|------|--|-------|--------|

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|----|------|--|-------|--------|
| Ud | iPKP | | 00 04 | 05.2 D |
|----|------|--|-------|--------|

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|--|---|--|-------|------|
| | i | | 00 04 | 11.0 |
|--|---|--|-------|------|

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|----|------|--|-------|------|
| De | iPKP | | 00 04 | 13.1 |
|----|------|--|-------|------|

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|--|---|--|-------|------|
| | i | | 00 04 | 25.3 |
|--|---|--|-------|------|

Kermadec Islands (h = 230 km).

The second phase at Up,Sk,Ud,

De belongs probably to the

PKP1 branch.

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|----|------|---|-------|------|
| Up | iP2 | | 01 17 | 36.7 |
| | iLgl | | 01 30 | 49 |
| | | | micr | sec |
| | Mx | E | 0.4 | 10 |
| | Mx | N | 0.4 | 8 |
| | Mx | Z | 0.5 | 9 |
| Ki | eP1 | | 01 17 | 14 |
| | i | | 01 17 | 17.1 |
| | iP2 | | 01 17 | 24.0 |
| | eLgl | | 01 30 | 22 |

| | | | | |
|--|--|--|------|-----|
| | | | micr | sec |
|--|--|--|------|-----|

| | | | | |
|--|----|---|-----|----|
| | Mx | E | 0.4 | 10 |
|--|----|---|-----|----|

| | | | | |
|--|----|---|-----|----|
| | Mx | N | 0.7 | 15 |
|--|----|---|-----|----|

| | | | | |
|--|----|---|-----|---|
| | Mx | Z | 0.4 | 9 |
|--|----|---|-----|---|

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|----|-----|--|-------|----|
| Sk | eP2 | | 01 17 | 45 |
|----|-----|--|-------|----|

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|--|------|--|-------|------|
| | iLgl | | 01 31 | 52.9 |
|--|------|--|-------|------|

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|----|-----|--|-------|----|
| Um | eP2 | | 01 17 | 19 |
|----|-----|--|-------|----|

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| | i | | 01 29 | 23.6 |
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|--|------|--|-------|------|
| | iLgl | | 01 29 | 48.2 |
|--|------|--|-------|------|

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|----|-----|--|-------|------|
| Ud | iP2 | | 01 17 | 52.4 |
|----|-----|--|-------|------|

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|--|-------|-------|------|---------|--|
| July | 5 | (cont.) | | July | 5 | (cont.) | |
| | | Ud | iPP | 01 19 | 25.3 | | |
| | | | iLg1 | 01 31 | 51.7 | | |
| | | De | eP2 | 01 17 | 56 | | |
| | | | iLg1 | 01 32 | 04.3 | | |
| | | Sinkiang (h = N). | | | | | |
| | | M = 4.8 (Up,Ki). | | | | | |
| | | PP at Ud corresponds to P2, the larger of the two P- onsets. | | | | | |
| " | 5 | Up | iSKP | 02 08 | 23.8 | | |
| | | Um | iSKP | 02 08 | 07.1 | | |
| | | New Hebrides Islands (h = 240 km). | | | | | |
| " | 5 | Um | iP | 02 49 | 39.8 | | |
| | | Ud | iP | 02 50 | 08.4 | | |
| | | De | eP | 02 50 | 20 | | |
| " | 5 | Up | iP | 04 14 | 05.5 | | |
| | | Ki | eP | 04 14 | 31 | | |
| | | Um | iP | 04 14 | 22.0 | | |
| | | | ipP | 04 14 | 32.1 | | |
| | | Ud | eP | 04 13 | 52 | | |
| | | De | eP | 04 13 | 43 | | |
| | | North Atlantic Ocean. h = 35 km (Um). | | | | | |
| " | 5 | Up | iP | 04 17 | 55.4 | | |
| | | Ki | iP | 04 17 | 40.9 | | |
| | | Sk | eP | 04 18 | 11 | | |
| | | Um | iP | 04 17 | 42.5 | | |
| | | | i | 04 17 | 47.1 | | |
| | | Ud | iP | 04 18 | 10.7 | | |
| | | De | iP | 04 18 | 17.8 | | |
| | | Sinkiang (h = N). | | | | | |
| " | 5 | Up | iP1 | 10 27 | 32.4 | | |
| | | | iP2 | 10 27 | 33.3 | | |
| | | | ipP | 10 27 | 40.8 | | |
| | | | iS | 10 36 | 27 | | |
| | | | iP'P' | 10 55 | 50.7 | | |
| | | | | micr | sec | | |
| | | P2 | Z' | 0.2 | 1.1 | | |
| | | pP | Z' | 0.6 | 1.5 | | |
| | | Mx | E | 1.9 | 20 | | |
| | | Mx | N | 2.4 | 19 | | |
| | | Mx | Z | 2.9 | 18 | | |
| | | Ki | iP2 | 10 26 | 47.6 | | |
| | | | ipP | 10 26 | 55.3 | | |
| | | | iS | 10 35 | 07 | | |
| | | | iP'P' | 10 56 | 09.5 | | |
| | | | | micr | sec | | |
| | | pP | Z' | 0.3 | 1.5 | | |
| | | Mx | E | 4.1 | 17 | | |
| | | Mx | N | 3.9 | 19 | | |
| | | Mx | Z | 4.7 | 20 | | |
| | | (cont.) | | | | | |
| | | Sk | iP1 | 10 27 | 02.4 | | |
| | | | ipP | 10 27 | 12.0 | | |
| | | | iP'P' | 10 56 | 05.8 | | |
| | | Um | iP2 | 10 27 | 12.1 | | |
| | | | ipP | 10 27 | 19.9 | | |
| | | | iS | 10 35 | 50 | | |
| | | Ud | iP1 | 10 27 | 24.8 | | |
| | | | iP2 | 10 27 | 26.7 | | |
| | | | ipP | 10 27 | 33.9 | | |
| | | De | iP2 | 10 27 | 46.3 | | |
| | | | ipP | 10 27 | 54.6 | | |
| | | Vancouver Island. h = 30 km (Up,Ki,Sk,Um,Ud, De). m = 6.3, M = 5.7 (Up,Ki). | | | | | |
| " | 5 | Up | iSgl | 12 03 | 50.6 | | |
| | | Sk | eSgl | 12 05 | 33 | | |
| | | Um | iSgl | 12 04 | 06.0 | | |
| | | Ud | iS* | 12 04 | 47.1 | | |
| | | | iSgl | 12 04 | 52.1 | | |
| | | De | iSgl | 12 05 | 13.0 | | |
| | | Western USSR, 59.3°N, 28.2°E. Origin time = 12 01 00. Explosion. | | | | | |
| " | 5 | Um | iP | 13 12 | 54.1 | | |
| | | | ipP | 13 13 | 20.6 | | |
| | | Ud | ipP | 13 13 | 16.7 | | |
| | | Guatemala. h = 110 km (Um). | | | | | |
| " | 5 | Up | iSn | 14 00 | 33.9 | | |
| | | | iSgl | 14 00 | 47.2 | | |
| | | Ki | iSgl | 14 03 | 23.8 | | |
| | | | iSg2 | 14 03 | 36.5 | | |
| | | Sk | e | 14 02 | 14 | | |
| | | | iSgl | 14 02 | 35.5 | | |
| | | Um | iPgl | 14 00 | 16.3 | | |
| | | | i | 14 00 | 47.3 | | |
| | | | iSgl | 14 01 | 20.1 | | |
| | | Ud | iPn | 14 00 | 15.3 | | |
| | | | eSn | 14 01 | 21 | | |
| | | | iSgl | 14 01 | 48.6 | | |
| | | De | iPn | 14 00 | 26.3 | | |
| | | | eSn | 14 01 | 40 | | |
| | | | iSgl | 14 02 | 16.0 | | |
| | | Esthonia, 59.5°N, 25.1°E. Origin time = 13 58 47. Explosion. | | | | | |
| " | 5 | Ud | iP | 15 51 | 26.0 | | |
| | | Aleutian Islands (h = 50 km). | | | | | |
| " | 5 | Ki | iSgl | 16 22 | 15.1 | | |
| | | Sk | iSgl | 16 22 | 19.7 | | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | 1972 | |
|------|-------------------------|------------------|----------------------------|
| July | 5 | July | 6 |
| | (cont.) | | (cont.) |
| | Um iSgl 16 22 42.0 | De eSgl 15 03 04 | |
| | Nordland, Norway, | iRg 15 03 10.9 | |
| | 66.5°N, 14.0°E. | South Sweden. | |
| | Origin time = 16 20 46. | Explosion? | |
| | Explosion. | | |
| " | 5 Um iP 16 36 47.5 | " | 6 Up iSgl 15 30 49.7 |
| | Ud iP 16 36 49.3 | | Ud e 15 30 32 |
| | Iran. | | i(Sgl) 15 30 47.3 |
| | | | i 15 30 58.2 |
| " | 5 Up iP 18 09 59.3 | " | 6 Ud iSgl 15 36 20.8 |
| | Sk iP 18 10 36.8 | | De iSgl 15 34 30.5 |
| | Um iP 18 10 37.6 | | iRg 15 34 38.3 |
| | Ud iP 18 10 04.3 | " | 6 Ud iP 16 14 05.9 |
| | i 18 10 12.1 | | Pakistan (h = 55 km). |
| | De iP 18 09 29.2 | | |
| | Greece (h = 15 km). | " | 6 Ud iP 19 13 24.9 |
| " | 5 Up iP 19 13 40.2 | " | 6 Up iP 20 25 20.7 |
| | Sk eP 19 14 19 | | Ud iP 20 25 22.0 |
| | Ud iP 19 13 46.4 | | De iP 20 25 32.5 |
| | De eP 19 13 10 | " | 7 Um iP 00 15 13.1 |
| | Ionian Sea (h = N). | | Ud eP 00 15 39 |
| " | 6 Up eP 01 09 54 | " | 7 De e(Sgl) 03 03 47 |
| | Ki iP 01 09 37.7 | " | 7 Ud e(Sgl) 03 05 47 |
| | Um iP 01 09 38.9 | | De i(Sgl) 03 04 23.7 |
| | Ud iP 01 10 09.7 | " | 7 Ki iP 07 08 17.2 |
| | De eP 01 10 18 | | Sk eP 07 08 45 |
| | Kazakh SSR. | | Kodiak Island (h = 70 km). |
| | Underground explosion. | " | 7 Up iP 07 35 06.1 |
| " | 6 Ud iP 05 29 57.8 | | Sk iP 07 35 00.5 |
| | Crete. | | Um iP 07 34 55.2 |
| " | 6 Ud i(Sgl) 13 20 01.8 | | Ud iP 07 35 07.6 |
| " | 6 Ud iP 13 44 59.1 | | South of Kermadec Islands |
| " | 6 Up iSgl 14 28 39.4 | | (h = N). |
| | Ud iPgl 14 27 50.9 | " | 7 Ud iP 12 03 32.8 |
| | i 14 27 52.4 | " | 7 Up iP 12 15 07.8 |
| | iSgl 14 28 12.1 | | i(pP) 12 15 18.8 |
| | iSg2 14 28 14.6 | | micr sec |
| | iRg 14 28 24.8 | | (pP) Z' 0.1 1.0 |
| | De ePgl 14 28 01 | | Mx E 0.9 19 |
| | iSgl 14 28 28.9 | | Mx N 3.0 21 |
| | Västergötland, Sweden, | | Mx Z 1.7 16 |
| | 58.6°N, 13.8°E. | | Ki iP 12 15 00.8 |
| | Origin time = 14 27 25. | | micr sec |
| | Explosion? | | P Z' 0.1 1.0 |
| " | 6 Ud i 15 03 21.6 | | Mx E 0.6 15 |
| | i 15 03 25.5 | | Mx N 2.1 20 |
| | i(Sgl) 15 03 34.9 | | (cont.) |
| | (cont.) | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|--------------------------------------|-----------------|------|----|-------------------------------------|-----------------|
| July | 8 | (cont.) | | July | 9 | (cont.) | |
| | | Ud | iP2 12 23 39.1 | | | Ud | i 07 03 52.1 |
| | | De | iP1 12 23 37.3 | | | | iPP 07 03 58.7 |
| | | | iP2 12 23 46.9 | | | | iLg2 07 08 35.3 |
| | | Mexico. | | | | De | iP 07 03 21.4 |
| | | h = 70 km (Sk). | | | | | i 07 06 28.8 |
| | | Double P, in average 8.8 sec apart. | | | | | iLg2 07 07 49.6 |
| " | 8 | Ki | ePn 12 45 14 | | | Central Russia, near 50°N, 36°E. | |
| | | | iSn 12 46 02.1 | | | Origin time = 07 00 00. | |
| | | | iSgl 12 46 17.9 | | | Probably underground explosion. | |
| | | Northwest USSR-Norway border region. | | " | 9 | Ud | iPKP 11 27 10.7 |
| | | Explosion. | | | | Fiji Islands (h = 280 km). | |
| " | 8 | Up | iP 13 37 46.9 | " | 9 | Up | iP 13 13 14.6 |
| | | Sk | eP 13 38 31 | | | Ud | iP 13 13 27.8 |
| | | Um | iP 13 38 23.6 | | | Burma-India (h = 150 km). | |
| | | Ud | iP 13 37 55.3 | " | 9 | Ud | iP 13 26 34.7 |
| | | De | iP 13 37 17.9 | | | De | iP 13 26 01.1 |
| | | Greece. | | | | Greece. | |
| " | 8 | Up | iP 15 04 28.7 | " | 9 | Up | iP 14 04 17.4 |
| | | Um | iP 15 04 39.0 | | | | micr sec |
| | | Ud | iP 15 04 50.1 | | | Ki | P Z' 0.3 1.0 |
| | | De | eP 15 04 44 | | | | iP 14 03 25.9 |
| " | 8 | Ki | eP 15 52 01 | | | | i 14 03 28.1 |
| | | Um | iP 15 52 05.5 | | | | micr sec |
| | | Ud | eP 15 52 24 | | | | P Z' 0.4 0.9 |
| | | | i 15 52 30.7 | | | Sk | iP 14 04 02.2 |
| | | De | eP 15 52 32 | | | Um | iP 14 03 49.7 |
| | | Molucca Passage (h = N). | | | | Ud | iP 14 04 22.0 |
| " | 8 | Up | iP 19 48 08.3 | | | | ipP 14 05 49.2 |
| " | 9 | Up | eP 05 07 14 | | | De | iP 14 04 42.1 |
| | | Um | iP 05 07 12.9 | | | Okhotsk Sea. | |
| | | Ud | iP 05 07 25.1 | | | h = 410 km (Ud). | |
| | | De | iP 05 07 24.3 | | | m = 5.8 (Up,Ki). | |
| " | 9 | Up | iP 07 03 22.0 | " | 9 | Ud | iP 23 57 09.6 |
| | | | i 07 03 22.9 | | | North Atlantic Ocean (h = N). | |
| | | | iPP 07 03 33.1 | " | 10 | Ud | iPKP 06 49 26.2 |
| | | | iLg2 07 07 40.2 | | | De | iPKP 06 49 37.6 |
| | | | micr sec | | | | i 06 49 55.6 |
| | | | P Z' 0.1 0.5 | | | Tonga-Kermadec Islands (h = N). | |
| | | Ki | iP 07 04 29.4 | " | 10 | Up | iP 08 30 50.7 |
| | | | i 07 08 34.4 | | | Ki | iP 08 30 17.7 |
| | | | iLg2 07 10 37.6 | | | Sk | iP 08 30 47.8 |
| | | Sk | eP 07 04 17 | | | Um | iP 08 30 31.8 D |
| | | | iLg2 07 09 56.8 | | | De | iP 08 31 11.0 |
| | | Um | iP 07 03 46.4 | | | South of Japan (h = 460 km). | |
| | | | i 07 03 54.0 | " | 10 | Ki | iP 12 36 02.9 |
| | | | iS 07 06 33.1 | | | Kamchatka (h = N). | |
| | | Ud | iP 07 03 44.6 | | | | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|----|------|-----------------------|------|----|-----------------------------|
| July | 10 | Ud | iP | 12 36 21.8 | July | 11 | (cont.) |
| " | 10 | Ki | iP | 13 22 14.7 | | | Ud iP 07 09 10.2 |
| | | | i | 13 22 18.8 | | | De eP 07 09 29 |
| | | | | | | | Kurile Islands (h = 60 km). |
| " | 10 | Ki | iP | 14 29 58.9 | " | 11 | Up iP 07 24 25.3 |
| | | | | Mindanao (h = 50 km). | | | Ki iP 07 24 57.0 |
| " | 10 | Ud | iPKP | 18 54 59.6 | | | Um eP 07 24 32 |
| | | De | iPKP | 18 55 10.5 | | | Ud iP 07 24 47.3 |
| | | | | | | | De eP 07 24 40 |
| " | 10 | Up | iP | 19 11 44.2 | " | 11 | Up iX 08 52 21.3 |
| | | Ki | iP | 19 11 27.3 | | | Sk iPKP 08 52 10.8 |
| | | | ipP | 19 11 39.5 | | | Um iPKP 08 52 04.2 |
| | | Sk | iP | 19 11 57.6 | | | Ud iPKP 08 52 16.5 |
| | | Um | iP | 19 11 29.1 | | | iX 08 52 23.8 |
| | | | ipP | 19 11 40.1 | | | South of Kermadec Islands |
| | | Ud | iP | 19 11 59.0 | | | (h = N). |
| | | | | Sinkiang. | " | 11 | Up iSgl 10 33 26.0 |
| | | | | h = 40 km (Ki,Um). | | | Ud iPgl 10 32 35.4 |
| " | 10 | Um | iP | 22 58 37.0 | | | i 10 32 36.9 |
| " | 11 | Up | i(P) | 01 12 40.5 | | | iSgl 10 32 55.9 |
| " | 11 | Ud | eP | 04 28 37 | | | De iPgl 10 32 47.0 |
| | | | | Hindu Kush. | | | iSgl 10 33 15.4 |
| | | | | Intermediate depth. | | | Västergötland, Sweden, |
| | | | | | | | 58.6°N, 13.8°E. |
| | | | | | | | Origin time = 10 32 10. |
| " | 11 | Ki | iP | 05 18 02.8 | " | 11 | Up iSgl 12 32 50.1 |
| | | Um | ipP | 05 18 21.3 | | | Ki eSgl 12 34 46 |
| | | Ud | iP | 05 18 36.1 | | | Sk eSgl 12 34 34 |
| | | | ipP | 05 18 45.1 | | | Um iS* 12 33 00.4 |
| | | | iPP | 05 22 32.2 | | | iSgl 12 33 05.8 |
| | | | | Caroline Islands. | | | Ud iSgl 12 33 50.4 |
| | | | | h = 30 km (Ud). | | | De iSgl 12 34 13.8 |
| " | 11 | Up | iP | 06 02 08.0 C | | | iSg2 12 34 25.4 |
| | | | | micr sec | | | Western USSR, |
| | | | | P Z' 0.3 0.7 | | | 59.3°N, 28.2°E. |
| | | Ki | iP | 06 02 16.9 C | | | Origin time = 12 30 00. |
| | | | | micr sec | | | Explosion. |
| | | | | P Z' 0.4 0.7 | " | 11 | Ud iP 14 14 46.7 |
| | | Sk | iP | 06 02 33.7 C | " | 11 | Up iP 15 19 07.4 |
| | | Um | iP | 06 02 06.4 C | | | Ki iP 15 18 44.8 |
| | | Ud | iP | 06 02 24.5 C | | | Um iP 15 18 52.9 |
| | | | ipP | 06 03 08.1 | | | Ud iP 15 19 16.4 |
| | | | iPP | 06 04 09.2 | " | 11 | Ud iP 15 22 09.7 |
| | | De | iP | 06 02 20.5 C | " | 11 | Ki ePKP 16 04 44 |
| | | | ipP | 06 03 08.8 | | | New Britain (h = 50 km). |
| | | | iPP | 06 03 59.7 | " | 11 | Up eP 20 56 35 |
| | | | | Hindu Kush. | | | ipP 20 56 52.9 |
| | | | | h = 220 km (Ud,De). | | | Ki eP 20 56 28 |
| | | | | m = 6.0 (Up,Ki). | | | (cont.) |
| " | 11 | Up | iP | 07 09 05.4 | | | |
| | | Ki | eP | 07 08 23 | | | |
| | | | | (cont.) | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | |
|------|----|-----------------------------|-------------------|------|----|------------------------------|-----------------|-----------------|
| July | 11 | (cont.) | | July | 12 | (cont.) | | |
| | | Ki | ipP 20 56 47.5 | | | Um | iP 18 24 07.3 | |
| | | Sk | eP 20 56 52 | | | Ud | iP 18 24 34.0 | |
| | | | ipP 20 57 08.7 | | | De | eP 18 24 47 | |
| | | Um | iP 20 56 28.9 | | " | 12 | Um | iP 18 31 28.2 |
| | | | ipP 20 56 45.1 | | " | 12 | Up | iP 18 48 53.9 |
| | | Ud | iP 20 56 48.5 | | | | Ki | iP 18 48 19.2 |
| | | | ipP 20 57 07.7 | | | | Um | iP 18 48 34.0 |
| | | India-Burma. | | | | | i | 18 48 41.1 |
| | | h = 60 km (Up,Ki,Sk,Um,Ud). | | | | | Ud | iP 18 49 01.0 |
| " | 11 | Ki | eP 21 59 29 | | | | i | 18 49 07.5 |
| | | | i 21 59 40.4 | | | | De | iP 18 49 13.8 |
| " | 11 | Ki | iP 22 55 51.7 | | | South of Japan (h = 110 km). | | |
| | | Sk | eP 22 55 49 | | " | 12 | Up | iP 19 46 44.1 |
| | | Um | iP 22 55 23.5 | | | | i | 19 46 50.3 |
| | | | i 22 55 28.6 | | | | Ki | eP 19 47 53 |
| | | Ud | iP 22 55 23.3 | | | | Sk | iP 19 47 21.4 |
| | | | i 22 55 27.1 | | | | ipP | 19 47 43.0 |
| | | De | iP 22 55 05.0 | | | | Um | iP 19 47 20.3 |
| | | | i 22 55 08.8 | | | | ipP | 19 47 38.0 |
| | | Iran-Iraq (h = N). | | | | | Ud | iP 19 46 48.5 |
| " | 12 | Up | iP 00 25 09.4 | | | | De | iP 19 46 13.3 |
| | | Ki | iP 00 24 18.4 | | | Greece. | | |
| | | Um | iP 00 24 41.5 | | | h = 90 km (Sk,Um). | | |
| | | Ud | iP 00 25 15.4 | | " | 13 | Up | iSn 01 17 16.3 |
| | | Kurile Islands (h = N). | | | | | iSgl | 01 17 51.2 |
| " | 12 | Up | iP 00 43 46.0 | | | | Sk | iSgl 01 16 41.7 |
| | | Um | iP 00 44 27.8 | | | | Um | iSgl 01 18 28.8 |
| | | Ud | iP 00 43 53.1 | | | | Ud | e 01 16 20 |
| | | Greece. | | | | | iSg2 | 01 16 52.5 |
| " | 12 | Um | i(Sgl) 12 39 18.1 | | | | De | eSg2 01 18 02 |
| | | Ud | e(Sgl) 12 40 07 | | | Near west coast of Norway, | | |
| " | 12 | Ki | iPn 14 03 39.5 | | | 60.9°N, 4.4°E. | | |
| | | | iPgl 14 03 47.8 | | | Origin time = 01 14 21. | | |
| | | | iSn 14 04 25.8 | | | Bergen and Kongsberg | | |
| | | | iSgl 14 04 42.9 | | | readings included in the | | |
| | | Um | eSgl 14 06 14 | | | solution. | | |
| | | Northwest USSR-Norway | | " | 13 | Ki | iP 02 13 16.7 | |
| | | border region. | | | | Um | iP 02 13 03.4 | |
| | | Origin time = 14 02 40. | | | | Indian Ocean (h = N). | | |
| | | Explosion. | | " | 13 | Up | iP 05 37 09.1 | |
| " | 12 | Up | iP 14 28 24.4 | | | Sk | iP 05 37 28.2 | |
| | | Ki | iP 14 26 37.9 | | | Um | iP 05 37 02.5 | |
| | | Um | iP 14 27 33.1 | | | Ud | iP 05 37 25.9 | |
| | | | i 14 27 41.8 | | | Tibet. | | |
| | | Ud | iP 14 28 19.9 | " | 13 | Ud | iP 10 23 36.2 | |
| | | Svalbard region. | | " | 13 | Up | iS* 13 15 34.5 | |
| " | 12 | Up | iP 18 24 27.4 | | | | iSgl 13 15 38.6 | |
| | | Ki | iP 18 23 52.5 | | | Ki | eSgl 13 18 38 | |
| | | (cont.) | | | | (cont.) | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

| July | 13 | (cont.) | | | |
|------|----|---------------------------|------|-------|--------|
| | | Sk | iSgl | 13 17 | 34.4 |
| | | Um | iS* | 13 16 | 29.5 |
| | | | iSgl | 13 16 | 34.0 |
| | | Ud | iSgl | 13 16 | 42.7 |
| | | De | iSgl | 13 17 | 01.6 |
| | | Esthonia, 59.1°N, 23.5°E. | | | |
| | | Origin time = 13 14 00. | | | |
| | | Explosion. | | | |
| " | 13 | Up | iS* | 13 15 | 49.0 |
| | | | iSgl | 13 15 | 55.1 |
| | | Sk | iSgl | 13 17 | 52.3 |
| | | Um | iSgl | 13 16 | 44.8 |
| | | Ud | iSgl | 13 16 | 55.5 |
| | | De | iSn | 13 16 | 48.3 |
| | | | iS* | 13 17 | 15.2 |
| | | | iSgl | 13 17 | 20.3 |
| | | Esthonia, 59.3°N, 23.7°E. | | | |
| | | Origin time = 13 14 15. | | | |
| | | Explosion. | | | |
| " | 13 | Ud | iP | 13 23 | 06.4 |
| " | 13 | Ud | iP | 14 44 | 29.8 |
| " | 13 | Ki | iP | 15 16 | 09.0 |
| | | Um | i(P) | 15 16 | 45.0 |
| | | Ud | eP | 15 16 | 54 |
| " | 13 | Up | iP | 15 22 | 13.3 |
| | | Ki | eP | 15 22 | 01 |
| | | Ud | iP | 15 22 | 22.0 C |
| | | Celebes Sea (h = 350 km). | | | |
| " | 13 | Ki | iP | 15 51 | 57.6 |
| | | Um | iP | 15 52 | 49.9 |
| | | Ud | iP | 15 53 | 40.4 |
| | | Svalbard region. | | | |
| " | 13 | Ki | iSgl | 16 20 | 26.6 |
| | | Sk | iSgl | 16 20 | 34.7 |
| | | Um | iSgl | 16 20 | 53.6 |
| | | Nordland, Norway, | | | |
| | | 66.5°N, 14.2°E. | | | |
| | | Origin time = 16 18 59. | | | |
| | | Explosion. | | | |
| " | 13 | Ud | iP | 17 36 | 06.7 |
| " | 13 | Ud | iP | 18 59 | 15.9 |
| " | 13 | Ud | iP | 20 48 | 50.9 |
| " | 13 | Ud | eP | 22 25 | 12 |
| | | Italy (h = N). | | | |

1972

| July | 13 | Ki | iP | | |
|------|----|-------------------------------|-------|-------|--------|
| | | Aleutian Islands (h = 35 km). | | | |
| " | 13 | Ud | eP | 23 14 | 30 |
| " | 13 | Up | eP | 23 54 | 46 |
| | | Ki | iP | 23 53 | 48.5 |
| | | Ud | iP | 23 54 | 42.4 |
| | | | i | 23 54 | 55.0 |
| | | Aleutian Islands (h = 25 km). | | | |
| " | 14 | Ud | eP | 00 53 | 04 |
| " | 14 | Ki | eP | 02 16 | 06 |
| | | | i | 02 20 | 36.6 |
| | | | | micr | sec |
| | | | Mx | E | 0.5 16 |
| | | | Mx | N | 0.5 15 |
| | | | Mx | Z | 0.5 16 |
| | | Sk | eP | 02 16 | 23 |
| | | Um | iSKS | 02 26 | 42 |
| | | Ud | iP | 02 16 | 22.6 |
| | | | i(PP) | 02 20 | 39.2 |
| | | | iPP | 02 20 | 55.5 |
| | | South of Java (h = N). | | | |
| " | 14 | Up | iPKP | 03 12 | 28.2 |
| | | | ipPKP | 03 12 | 36.3 |
| | | Ki | iPKP | 03 12 | 41.9 |
| | | | ipPKP | 03 12 | 50.5 |
| | | Sk | iPKP | 03 12 | 31.4 |
| | | | ipPKP | 03 12 | 40.9 |
| | | Um | iPKP | 03 12 | 35.9 |
| | | | ipPKP | 03 12 | 45.1 |
| | | Ud | iPKP | 03 12 | 25.3 |
| | | | ipPKP | 03 12 | 35.0 |
| | | Scotia Sea. | | | |
| | | h = 35 km (Up,Ki,Sk,Um,Ud). | | | |
| " | 14 | Ud | iP | 04 39 | 19.3 |
| " | 14 | Ki | iP | 09 21 | 42.3 |
| | | Ud | iP | 09 22 | 32.9 |
| | | Kamchatka. | | | |
| | | Deep. | | | |
| " | 14 | Ud | iP | 13 11 | 35.4 |
| | | Iran (h = 35 km). | | | |
| " | 14 | Ud | iP | 13 25 | 32.5 |
| | | De | eP | 13 25 | 15 |
| " | 14 | Up | iP | 15 04 | 14.8 |
| | | Ki | eP | 15 04 | 46 |
| | | Um | iP | 15 04 | 23.4 |
| | | Ud | iP | 15 04 | 36.5 |
| | | De | iP | 15 04 | 27.3 |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|-----------------|---------------------------|-------|------------|-----------------|----------------------------|-------|-------------------------|------|--------------|
| July 16 (cont.) | | | | July 16 (cont.) | | | | | |
| | De | iPcP | 02 31 12.9 | | De | iPKP2 | 04 41 56.5 | | |
| | Tibet (h = N). | | | | South of Kermadec Islands. | | | | |
| | m = 5.8 (Up,Ki). | | | | h = 55 km (Ki). | | | | |
| " | 16 | Up | iP | 02 52 32.3 | " | 16 | Up | eP | 05 47 54 |
| | | | | micr sec | | | Ud | iP | 05 48 03.1 |
| | | Mx | E | 0.8 17 | | | Indian Ocean (h = N). | | |
| | | Mx | N | 1.6 18 | | | | | |
| | | Mx | Z | 0.9 11 | " | 16 | Up | iSg1 | 10 12 09.8 |
| | Ki | iP | | 02 53 18.3 | | | Ki | ePn | 10 07 54 |
| | | i | | 02 53 24.2 | | | | iSn | 10 08 52.3 |
| | | | | micr sec | | | | iSg1 | 10 09 14.7 |
| | | P | Z' | 0.1 1.0 | | | Um | iSn | 10 09 33.1 |
| | | Mx | E | 1.3 15 | | | | iS* | 10 10 03.0 |
| | | Mx | N | 1.8 17 | | | | iSg1 | 10 10 09.0 |
| | | Mx | Z | 1.4 15 | | | | iSg2 | 10 10 18.5 |
| | Um | iP | | 02 52 50.0 | | | Ud | iSg1 | 10 12 40.8 |
| | Ud | iP | | 02 52 48.0 | | | Northwest USSR, | | |
| | De | iP | | 02 52 28.4 | | | 67.8°N, 33.8°E. | | |
| | Turkey (h = 40 km). | | | | | | Origin time = 10 06 37. | | |
| | M = 4.8 (Up,Ki). | | | | | | Explosion. | | |
| " | 16 | Up | iP | 03 05 58.7 | " | 16 | Ki | ePn | 10 20 42 |
| | | Ud | iP | 03 06 06.9 | | | | iPg1 | 10 20 50.8 |
| | Celebes Sea (h = 350 km). | | | | | | | iSn | 10 21 27.8 |
| " | 16 | Up | iP | 03 49 41.1 | | | | iSg1 | 10 21 41.3 |
| | | Ki | eP | 03 49 27 | | | Um | iSg1 | 10 22 41.0 |
| | | Um | iP | 03 49 29.5 | | | Northwest USSR, | | |
| | | Ud | iP | 03 49 54.6 | | | 67.8°N, 30.5°E. | | |
| | | De | iP | 03 49 59.4 | | | Origin time = 10 19 43. | | |
| | Tibet (h = N). | | | | | | Explosion. | | |
| " | 16 | Up | iP | 03 59 49.4 | " | 16 | Up | eP | 12 58 03 |
| | | | | | | | Ud | iP | 12 58 16.9 |
| " | 16 | Up | iPKP | 04 41 21.8 | " | 16 | Up | iP | 13 59 52.1 |
| | | | iPKP1 | 04 41 29.3 | | | Ki | eP | 13 59 28 |
| | | | iPKP2 | 04 41 40.6 | | | Um | iP | 13 59 35.7 |
| | | | | micr sec | | | Ud | iP | 14 00 00.6 |
| | | PKP | Z' | 0.1 1.3 | | | Formosa (h = N). | | |
| | | PKP1 | Z' | 0.3 1.0 | " | 16 | Up | iP | 15 51 35.6 |
| | | PKP2 | Z' | 0.2 1.0 | " | 16 | Up | iP | 17 22 00.6 C |
| | Ki | iPKP | | 04 41 09.7 C | | | | iPP | 17 25 36.7 |
| | | ipPKP | | 04 41 25.4 | | | | iSKS | 17 32 27 |
| | | iSKP | | 04 44 52.9 | | | | iS | 17 32 44 |
| | | | | micr sec | | | | | micr sec |
| | | PKP | Z' | 0.6 1.3 | | | P | Z' | 0.1 1.3 |
| | | Mx | N | 0.7 23 | | | Mx | E | 1.0 18 |
| | Um | iPKP | | 04 41 15.9 | | | Mx | N | 1.5 21 |
| | | iPKP1 | | 04 41 19.7 | | | Mx | Z | 1.9 20 |
| | | iPKP2 | | 04 41 34.1 | | | Ki | iP | 17 22 00.9 C |
| | Ud | iPKP | | 04 41 23.1 C | | | | ipP | 17 22 10.6 |
| | | iPKP1 | | 04 41 31.3 | | | | iSKS | 17 32 46 |
| | | iPKP2 | | 04 41 42.2 | | | (cont.) | | |
| | De | iPKP | | 04 41 27.9 C | | | (cont.) | | |
| | | iPKP1 | | 04 41 38.5 | | | (cont.) | | |
| | (cont.) | | | | | | (cont.) | | |

| 1972 | | | | 1972 | | | | | |
|------|----|---------------------------|------------------------|------|----|----|--------------------|------------------------------|------------------------------|
| July | 16 | (cont.) | | July | 17 | | | | |
| | | Ki | micr sec | | Up | iP | 08 39 07.5 | | |
| | | P | Z' 0.4 1.0 | | | P | Z' 0.2 1.3 | | |
| | | Mx | E 3.7 20 | | Ki | iP | 08 38 12.6 | | |
| | | Mx | N 2.0 18 | | | | micr sec | | |
| | | Mx | Z 3.7 21 | | | Mx | E 0.4 16 | | |
| | Um | iP | 17 21 57.8 C | | | Mx | N 0.4 14 | | |
| | | ipP | 17 22 07.5 | | | Mx | Z 0.4 15 | | |
| | | iPP | 17 25 28.2 | | Um | iP | 08 38 33.8 | | |
| | | iSKS | 17 32 21 | | Ud | iP | 08 39 10.8 | | |
| | | iS | 17 32 41 | | De | iP | 08 39 33.0 | | |
| | Ud | iP | 17 22 10.1 C | | | | Kamchatka (h = N). | | |
| | | ipP | 17 22 20.3 | | " | 17 | Up | eSgl | 09 50 07 |
| | | iPP | 17 25 50.4 | | | | Ki | i | 09 46 22.8 |
| | De | iP | 17 22 08.7 C | | | | | iSgl | 09 46 30.7 |
| | | ipP | 17 22 19.4 | | | | | i | 09 46 40.0 |
| | | Sumatra. | | | | | Sk | iSgl | 09 49 18.5 |
| | | h = 35 km (Ki,Um,Ud,De). | | | | | | i | 09 49 46.0 |
| | | m = 6.3, M = 5.7 (Up,Ki). | | | | | Um | iSgl | 09 47 58.1 |
| " | 16 | Up | ePKP 18 28 22 | | | | Ud | e | 09 50 33 |
| | | Ud | ePKP 18 28 23 | | | | | eSgl | 09 50 44 |
| | | De | iPKP 18 28 31.9 | | | | | | Off coast of northwest USSR. |
| | | | Tonga Islands (h = N). | | | | | | Explosion. |
| " | 16 | Up | eP 20 14 26 | " | 17 | Up | eSgl | 09 54 07 | |
| | | Ki | iP 20 13 30.0 | | | Ki | i | 09 50 14.4 | |
| | | Ud | eP 20 14 27 | | | | iSgl | 09 50 36.0 | |
| | | | Kamchatka (h = N). | | | Sk | i | 09 53 49.9 | |
| " | 16 | Up | iP 22 52 27.3 | | | Um | iSgl | 09 52 03.3 | |
| | | Ki | iP 22 52 14.2 | | | Ud | e | 09 54 37 | |
| | | Ud | eP 22 52 39 | | | | iSgl | 09 54 53.8 | |
| | | | i 22 52 44.4 | | | De | eSgl | 09 56 19 | |
| | | | China. | | | | | Off coast of northwest USSR. | |
| | | | | | | | | Explosion. | |
| " | 17 | Up | epP 01 14 10 | " | 17 | Up | eSgl | 09 58 07 | |
| | | Ki | ipP 01 13 37.2 | | | Ki | i | 09 54 29.0 | |
| | | Ud | iP 01 14 00.5 | | | | eSgl | 09 54 38 | |
| | | | ipP 01 14 17.0 | | | Sk | i | 09 57 49.0 | |
| | | | Japan. | | | Um | iSgl | 09 56 04.2 | |
| | | | h = 60 km (Ud). | | | Ud | i | 09 58 38.0 | |
| " | 17 | Up | iPKP 01 24 57.8 | | | | iSgl | 09 58 55.7 | |
| | | Ud | iPKP 01 24 59.8 | | | | | Off coast of northwest USSR. | |
| | | De | ePKP 01 25 10 | | | | | Explosion. | |
| " | 17 | Ud | iP 03 19 38.9 | " | 17 | Ud | iP | 10 43 08.4 | |
| | | | Dodecanese Islands. | | | | | Greece. | |
| " | 17 | Up | iPKP 05 42 18.7 | " | 17 | Up | iSn | 14 07 35.3 | |
| | | Ud | iPKP 05 42 20.0 | | | | iSgl | 14 07 47.6 | |
| | | De | iPKP 05 42 31.8 | | | Ki | e(Sgl) | 14 10 22 | |
| " | 17 | Ud | iP 05 51 53.5 | | | Um | iSgl | 14 08 20.4 | |
| | | | Greece. | | | Ud | iSn | 14 08 23.3 | |
| | | | | | | | iS* | 14 08 48.2 | |
| | | | | | | | iSgl | 14 08 52.5 | |

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|------------------------------|--------------|------|----|------------------------------|--------------|
| July | 17 | (cont.) | | July | 18 | (cont.) | |
| | | De iSgl | 14 09 16.1 | | | Volcano Islands. | |
| | | Esthonia, 59.5°N, 25.0°E. | | | | h = 590 km (Up,Um,Ud,De). | |
| | | Origin time = 14 05 49. | | | | | |
| | | Explosion. | | | | | |
| " | 17 | Up eP | 16 20 51 | " | 18 | Up iP | 02 30 24.1 |
| | | Ud iP | 16 20 54.3 | | | Ki iP | 02 30 31.4 |
| | | Greece. | | | | Ud iP | 02 30 34.2 |
| " | 17 | Up iSgl | 16 32 19.6 | " | 18 | Up eP | 02 36 31 |
| | | Ud iSgl | 16 32 11.7 | | | Ud iP | 02 36 30.5 |
| | | De e | 16 30 12 | " | 18 | Ud iP | 02 44 57.0 |
| | | iSgl | 16 30 19.8 | " | 18 | Ud iP | 03 35 14.4 |
| | | Baltic Sea, south of Sweden. | | " | 18 | Um iP | 09 59 38.7 |
| | | Explosion. | | | | Ud iP | 10 00 03.2 |
| " | 17 | Up iSgl | 16 38 18.0 | | | De eP | 10 00 16 |
| | | Ud iSgl | 16 38 10.4 | " | 18 | Ud iP | 11 29 04.1 |
| | | De i | 16 36 11.4 | " | 18 | Ud iP | 13 45 55.8 C |
| | | iSgl | 16 36 17.7 | | | De eP | 13 46 02 |
| | | Baltic Sea, south of Sweden. | | | | Celebes Sea (h = 350 km). | |
| | | Explosion. | | " | 18 | Ki | micr sec |
| " | 17 | Ud eP | 17 14 05 | | | Mx E | 0.4 10 |
| | | i | 17 14 12.0 | | | Mx N | 0.3 12 |
| " | 17 | Up iP | 17 26 42.4 | | | Mx Z | 0.3 13 |
| | | Um iP | 17 26 24.7 | | | Ud iP | 13 50 22.0 |
| | | Ud iP | 17 26 50.1 | | | De iP | 13 49 38.9 |
| | | South of Japan (h = 40 km). | | | | Greece-Bulgaria (h = N). | |
| " | 17 | Up i(P) | 18 08 56.7 | " | 18 | Up iP | 14 05 36.2 C |
| " | 18 | Up Mx | 00 57 | | | ipP | 14 06 00.2 |
| | | | micr sec | | | | micr sec |
| | | Mx E | 0.8 20 | | | P | Z' 0.1 0.8 |
| | | Mx N | 0.6 22 | | | Ki iP | 14 04 51.8 C |
| | | Mx Z | 1.4 21 | | | | micr sec |
| | | Ki Mx | 00 55 | | | P | Z' 0.1 0.9 |
| | | | micr sec | | | Sk iP | 14 05 26.7 |
| | | Mx E | 0.9 22 | | | Um iP | 14 05 11.6 C |
| | | Mx N | 0.9 22 | | | Ud iP | 14 05 42.4 C |
| | | Mx Z | 1.3 23 | | | ipP | 14 06 07.7 |
| | | Off Pacific coast of Mexico | | | | De iP | 14 05 59.6 C |
| | | (h = N). | | | | Japan. | |
| | | M = 5.4 (Up,Ki). | | | | h = 100 km (Up,Ud). | |
| " | 18 | Up iP | 02 26 56.3 | | | m = 5.7 (Up,Ki). | |
| | | ipP | 02 29 00.9 | " | 18 | Ud iP | 18 35 55.6 |
| | | Ki iP | 02 26 26.1 C | | | Hindu Kush. | |
| | | Um iP | 02 26 40.1 | | | Intermediate depth. | |
| | | ipP | 02 28 44.6 | " | 18 | Ud eP | 19 02 56 |
| | | Ud iP | 02 27 02.7 C | | | Leeward Islands (h = 45 km). | |
| | | ipP | 02 29 08.8 | " | 18 | Up iP | 22 17 33.1 C |
| | | De iP | 02 27 14.4 | | | (cont.) | |
| | | ipP | 02 29 21.8 | | | | |
| | | (cont.) | | | | | |

| 1972 | | | | 1972 | | | |
|---------|---------------------------|--------------|--|---------|------------------------|------------|-------------------------|
| July 18 | (cont.) | | | July 20 | De iP | 11 21 47.3 | |
| | Up ipP | 22 17 48.0 | | " 20 | Up i(Sn) | 12 29 57.0 | |
| | | micr sec | | | iSgl | 12 30 12.6 | |
| | P Z' | 0.1 0.8 | | | Ki iSgl | 12 32 10.0 | |
| | Ki iP | 22 16 48.6 C | | | Sk iSgl | 12 31 56.0 | |
| | Sk iP | 22 17 23.7 C | | | Um iS* | 12 30 28.0 | |
| | Um iP | 22 17 08.6 C | | | iSgl | 12 30 31.1 | |
| | ipP | 22 17 23.8 | | | Ud iSgl | 12 31 10.9 | |
| | Ud iP | 22 17 39.4 C | | | De i | 12 31 07.8 | |
| | ipP | 22 17 53.7 | | | iSgl | 12 31 35.4 | |
| | De iP | 22 17 56.5 C | | | | | Western USSR, |
| | ipP | 22 18 11.4 | | | | | 59.3°N, 27.7°E. |
| | Japan. | | | | | | Origin time = 12 27 30. |
| | h = 55 km (Up,Um,Ud,De). | | | | | | Explosion. |
| " 18 | Ud eP | 22 28 35 | | " 20 | Ki iPn | 13 06 44.5 | |
| | Vancouver Island (h = N). | | | | Um iPn | 13 05 50.6 | |
| " 19 | Up iP | 01 26 03.1 | | | Iran-USSR. | | |
| | Ud iP | 01 26 09.0 | | " 20 | Up iP | 13 59 13.2 | |
| " 19 | Up iPKP | 02 31 58.8 | | | Ki iP | 13 57 51.2 | |
| | Ud iPKP | 02 32 00.6 | | | Um iP | 13 58 37.8 | |
| | De iPKP | 02 32 10.4 | | | i | 13 58 44.9 | |
| " 19 | Up iPKP | 07 24 18.7 | | | Ud iP | 13 59 13.8 | |
| | Ud iPKP | 07 24 20.7 | | | i | 13 59 20.9 | |
| " 19 | Um iSgl | 11 28 09.4 | | | De eP | 13 59 53 | |
| | Ud iSgl | 11 28 53.1 | | " 20 | Arctic Ocean. | | |
| | Western USSR. | | | | Up iP | 14 05 21.5 | |
| | Explosion. | | | | Ud iP | 14 05 37.1 | |
| " 19 | Ud i(PKP) | 13 39 28.1 | | | i | 14 05 40.2 | |
| | ePKP | 13 39 42 | | " 20 | Up i(P) | 16 12 19.2 | |
| | South Sandwich Islands | | | " 20 | Up iP | 17 27 48.6 | |
| | (h = 60 km). | | | | Ki iP | 17 27 14.8 | |
| " 19 | Up i(P) | 16 10 23.7 | | | Um iP | 17 27 33.8 | |
| " 19 | Up iPKP | 20 20 42.5 | | | Ud iP | 17 27 40.5 | |
| | Ud iPKP | 20 20 45.0 | | | De eP | 17 27 57 | |
| | De iPKP | 20 20 55.8 | | | Nevada. | | |
| " 20 | Up iP | 01 02 16.1 | | | Underground explosion. | | |
| | Ki iP | 01 02 24.7 | | " 21 | Ki iP | 01 01 42.1 | |
| | Sk eP | 01 02 42 | | " 21 | Up iP | 01 14 37.8 | |
| | Um iP | 01 02 14.0 | | | Um iP | 01 14 16.7 | |
| | Ud iP | 01 02 32.6 | | | Ud iP | 01 14 45.0 | |
| | De iP | 01 02 29.5 | | | Japan (h = 80 km). | | |
| | Hindu Kush. | | | " 21 | Um iP | 07 24 25.8 | |
| | Intermediate depth. | | | | Japan (h = 120 km). | | |
| " 20 | Ud iP | 09 19 38.2 | | " 21 | Up ePKP | 08 56 20 | |
| " 20 | Up iP | 10 14 06.1 | | | iSKP | 08 59 55.3 | |
| | Ud iP | 10 14 20.4 | | | (cont.) | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

| 1972 | July | 21 | (cont.) | | | | | |
|------|------|----|---------------------------|-------|-------|------|-----|--|
| | | | Up | | | micr | sec | |
| | | | SKP | Z' | 0.1 | 1.1 | | |
| | | | Ki | ePKP | 08 56 | 14 | | |
| | | | | iSKP | 08 59 | 31.5 | | |
| | | | | | micr | sec | | |
| | | | SKP | Z' | 0.3 | 1.7 | | |
| | | | Sk | ePKP | 08 56 | 19 | | |
| | | | | iSKP | 08 59 | 47.4 | | |
| | | | Um | iPKP | 08 56 | 17.1 | | |
| | | | | iSKP | 08 59 | 42.8 | | |
| | | | Ud | iPKP | 08 56 | 22.1 | | |
| | | | | i | 08 56 | 30.6 | | |
| | | | | iSKP | 08 59 | 56.4 | | |
| | | | De | iPKP | 08 56 | 33.0 | | |
| | | | | ipPKP | 08 57 | 06.6 | | |
| | | | | iSKP | 09 00 | 04.7 | | |
| | | | Tonga Islands. | | | | | |
| | | | h = 120 km (De). | | | | | |
| " | 21 | | Ki | iP | 11 39 | 51.8 | | |
| " | 21 | | Ki | eP2 | 14 14 | 40 | | |
| | | | Ud | iP1 | 14 14 | 50.3 | | |
| | | | | iP2 | 14 14 | 52.4 | | |
| | | | De | iP2 | 14 14 | 54.7 | | |
| | | | Tadzhik SSR (h = 200 km). | | | | | |
| " | 21 | | Up | iP | 14 51 | 55.2 | | |
| | | | Ki | iP | 14 51 | 38.4 | | |
| | | | Um | iP | 14 51 | 44.6 | | |
| | | | Ud | iP | 14 52 | 04.4 | | |
| | | | | ipP | 14 52 | 31.5 | | |
| | | | De | iP | 14 52 | 11.0 | | |
| | | | Mindanao. | | | | | |
| | | | h = 100 km (Ud). | | | | | |
| " | 21 | | Ud | iP | 15 47 | 20.0 | | |
| | | | De | iP | 15 47 | 11.6 | | |
| " | 21 | | Up | iP | 16 20 | 06.7 | | |
| | | | Ki | iP | 16 19 | 43.8 | | |
| | | | Um | iP | 16 19 | 51.9 | | |
| | | | Ud | iP | 16 20 | 16.0 | | |
| | | | De | iP | 16 20 | 24.0 | | |
| | | | Formosa (h = 20 km). | | | | | |
| " | 21 | | Up | iP | 16 21 | 57.0 | | |
| | | | Ki | iP | 16 21 | 40.0 | | |
| | | | Ud | iP | 16 22 | 09.5 | | |
| | | | China (h = N). | | | | | |
| " | 21 | | Ud | iP | 17 05 | 49.3 | | |
| " | 21 | | Sk | e(P2) | 17 28 | 39 | | |
| | | | Um | iP1 | 17 28 | 32.4 | | |
| | | | | iP2 | 17 28 | 39.9 | | |
| | | | (cont.) | | | | | |

1972

| 1972 | July | 21 | (cont.) | | | | |
|------|------|----|------------------------------------|--------|-------|------|-----|
| | | | Ud | i(P2) | 17 29 | 17.0 | |
| | | | Probably Arctic Ocean. | | | | |
| " | 21 | | Up | iP | 21 44 | 48.2 | |
| | | | Um | iP | 21 44 | 30.7 | |
| | | | Ud | iP | 21 44 | 50.9 | |
| " | 22 | | Up | eP | 00 26 | 03 | |
| | | | Ud | iP | 00 26 | 10.6 | |
| | | | Ionian Sea. | | | | |
| " | 22 | | Up | i(PKP) | 03 35 | 48.5 | |
| | | | | iPKP | 03 36 | 00.9 | |
| | | | Ki | e(PKP) | 03 36 | 02 | |
| | | | | | micr | sec | |
| | | | | Mx | E | 0.9 | 18 |
| | | | | Mx | N | 0.6 | 18 |
| | | | Sk | ePKP | 03 36 | 08 | |
| | | | Um | iPKP | 03 36 | 08.3 | |
| | | | Ud | i(PKP) | 03 35 | 47.8 | |
| | | | South Atlantic Ocean (h = N). | | | | |
| " | 22 | | Up | iP | 05 14 | 55.8 | |
| | | | | iPP | 05 15 | 14.4 | |
| | | | | iS | 05 18 | 12.2 | |
| | | | Ki | iP | 05 15 | 56.9 | |
| | | | | i | 05 16 | 05.2 | |
| | | | | | micr | sec | |
| | | | | P | Z' | 0.1 | 0.5 |
| | | | | Mx | E | 0.6 | 10 |
| | | | | Mx | N | 0.4 | 10 |
| | | | Sk | iP | 05 15 | 45.1 | |
| | | | | i | 05 15 | 49.2 | |
| | | | Um | iP | 05 15 | 21.8 | |
| | | | | i | 05 15 | 25.6 | |
| | | | | iS | 05 19 | 05.4 | |
| | | | Ud | iP | 05 15 | 16.1 | |
| | | | | i | 05 15 | 19.3 | |
| | | | | iS | 05 18 | 53.4 | |
| | | | | iLgl | 05 21 | 35.1 | |
| | | | De | iP | 05 14 | 48.9 | |
| | | | | i | 05 14 | 53.4 | |
| | | | | iLgl | 05 20 | 21.6 | |
| | | | Crimea (h = N). | | | | |
| " | 22 | | Up | iPKP | 06 21 | 39.3 | |
| | | | Ki | ePKP | 06 21 | 27 | |
| | | | New Britain (h = 50 km). | | | | |
| " | 22 | | Up | iPKP | 06 22 | 13.6 | |
| | | | Sk | iPKP | 06 22 | 10.7 | |
| | | | Um | iPKP | 06 22 | 04.4 | |
| | | | Santa Cruz Islands (h = 45 km). | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | | 1972 | | | | |
|------|----|-----------------------------|-------|--------------|------|----|----------------------------|-------|--------------|
| July | 23 | (cont.) | | | July | 23 | (cont.) | | |
| | | Ud | iP | 10 36 33.0 | | | Sk | iP'P' | 19 52 38.3 |
| | | Mariana Islands. | | | | | Um | iP | 19 23 38.6 D |
| | | h = 60 km (Um). | | | | | | iS | 19 32 17 |
| " | 23 | Ud | iP | 10 54 35.4 | | | Ud | iP | 19 23 53.3 D |
| | | | | | | | | iP'P' | 19 52 27.6 |
| " | 23 | Up | eP | 11 03 24 | | | De | iP | 19 24 14.6 D |
| | | | | micr sec | | | | iP'P' | 19 52 20.3 |
| | | Mx | N | 0.6 17 | | | Vancouver Island (h = N). | | |
| | | Mx | Z | 0.6 19 | | | m = 6.3, M = 6.5 (Up,Ki). | | |
| | | Ki | eP | 11 02 34 | " | 23 | Up | iP | 20 10 29.1 |
| | | | | micr sec | | | Um | iP | 20 10 18.9 |
| | | Mx | E | 0.6 15 | " | 23 | Up | iP | 20 28 23.9 |
| | | Mx | N | 0.7 17 | | | Ki | iP | 20 27 38.5 |
| | | Mx | Z | 0.8 16 | | | Sk | eP | 20 27 54 |
| | | Sk | iP | 11 02 51.8 | | | Ud | iP | 20 28 17.6 |
| | | Ud | iP | 11 03 17.4 | | | Vancouver Island (h = N). | | |
| | | Vancouver Island (h = N). | | | | | | | |
| | | M = 5.0 (Up,Ki). | | | " | 23 | Ud | eP | 21 29 22 |
| " | 23 | Up | iPKP | 16 29 11.3 | " | 23 | Up | | micr sec |
| | | Ud | iPKP | 16 29 13.9 | | | Mx | E | 0.5 17 |
| | | De | iPKP | 16 29 23.5 | | | Mx | N | 0.8 21 |
| | | | | | | | Mx | Z | 1.4 20 |
| " | 23 | Ud | ePKP | 16 44 34 | | | Sk | iP2 | 21 53 32.0 |
| | | South Sandwich Islands | | | | | Ud | eP1 | 21 53 47 |
| | | (h = 110 km). | | | | | | iP2 | 21 53 53.7 |
| " | 23 | Um | iP | 16 54 29.8 | | | Vancouver Island (h = N). | | |
| | | Ud | iP | 16 54 41.1 | " | 24 | Ud | iP | 04 13 18.1 |
| | | i | | 16 54 43.6 | | | | | |
| | | Alternatively, these phases | | | " | 24 | De | iPKP | 06 22 43.3 |
| | | could be PKKP to the | | | | | Fiji Islands (h = 640 km). | | |
| | | preceding event. | | | " | 24 | Up | eP | 07 03 55 |
| " | 23 | Sk | eP | 18 23 34 | | | Ud | iP | 07 03 30.5 |
| | | Ud | iP | 18 23 03.9 | " | 24 | Ud | iP | 07 09 05.5 |
| | | De | iP | 18 22 30.1 | " | 24 | Ud | eP | 08 26 13 |
| | | Crete. | | | " | 24 | Up | iP | 10 27 46.6 |
| " | 23 | Up | iP | 19 23 59.9 D | | | Ud | eP | 10 28 02 |
| | | | iS | 19 32 53 | | | i | | 10 28 24.6 |
| | | | iP'P' | 19 52 25.6 | | | De | eP | 10 27 39 |
| | | | | micr sec | | | Turkey (h = N). | | |
| | | P | Z' | 0.3 1.3 | " | 24 | Ud | iP | 10 45 37.8 |
| | | Mx | E | 6.7 23 | | | i | | 10 45 47.9 |
| | | Mx | N | 20 23 | " | 24 | Up | iSgl | 11 01 02.2 |
| | | Mx | Z | 32 23 | | | Ud | i(S*) | 11 01 04.7 |
| | | Ki | iP | 19 23 13.8 D | | | iSgl | | 11 01 10.1 |
| | | | iS | 19 31 32 | | | De | iPgl | 10 59 09.7 |
| | | | iP'P' | 19 52 46.1 | | | iSgl | | 10 59 26.3 |
| | | | | micr sec | " | 24 | Up | iSgl | 11 01 02.2 |
| | | P | Z' | 0.4 1.6 | | | Ud | i(S*) | 11 01 04.7 |
| | | Mx | E | 25 18 | | | iSgl | | 11 01 10.1 |
| | | Mx | N | 47 22 | | | De | iPgl | 10 59 09.7 |
| | | Sk | iP | 19 23 31.4 D | | | iSgl | | 10 59 26.3 |
| | | (cont.) | | | | | (cont.) | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

July 24 (cont.)
 De i 10 59 29.6
 Baltic Sea, south of Sweden,
 55.7°N, 15.4°E.
 Origin time = 10 58 49.
 Explosion.

" 24 Up iSgl 11 01 12.1
 Ud i(S*) 11 01 13.6
 iSgl 11 01 19.0
 De iPgl 10 59 18.0
 iSgl 10 59 35.1
 i 10 59 38.4
 Baltic Sea, south of Sweden,
 55.7°N, 15.4°E.
 Origin time = 10 58 58.
 Explosion.

" 24 Up iP 11 03 44.0
 Ki eP 11 03 51
 i 11 04 04.5
 Sk eP 11 03 25
 Ud iP 11 03 26.0
 De eP 11 03 28
 i 11 03 36.3
 Venezuela (h = N).

" 24 Up iP 15 06 38.8
 Ki iP 15 06 37.0
 Um iP 15 06 32.0
 Ud iP 15 06 54.5
 i 15 06 56.8
 De iP 15 06 54.5
 i 15 06 56.9
 Kashmir-Tibet (h = N).

" 24 Ud iP 16 36 30.8

" 24 Ud eP 19 13 34
 Aleutian Islands (h = 45 km).

" 24 Ud eP 23 18 17

" 25 Up iP 02 00 49.7 C
 i 02 01 03.5
 micr sec
 Mx N 0.4 11
 Mx Z 0.5 10
 Ki iP 02 02 04.9
 micr sec
 Mx E 0.2 10
 Mx N 0.3 14
 Sk iP 02 01 31.3
 Um iP 02 01 28.7
 i 02 01 29.9
 Ud iP 02 00 56.3
 i 02 00 58.9
 (cont.)

1972

July 25 (cont.)
 De iP 02 00 14.4
 Greece (h = 45 km).
 M = 4.4 (Up,Ki).

" 25 Up eP 02 54 02
 Ud eP 02 54 09

" 25 Um iP 03 32 40.4
 Ud eP 03 32 57

" 25 Up iPKP 04 27 03.6
 Ud iPKP 04 27 05.7
 i 04 27 10.6
 Fiji Islands (h = 510 km).

" 25 Ud iP 07 02 31.8
 Ionian Islands.

" 25 Up iPKP 08 49 11.1
 Sk ePKP 08 49 08
 Um iPKP 08 49 04.6
 Ud iPKP 08 49 12.6
 ipPKP 08 49 23.3
 De iPKP 08 49 22.5
 ipPKP 08 49 34.0
 Kermadec Islands.
 h = 35 km (Ud,De).

" 25 Up iPKP 09 00 40.3
 ipPKP 09 00 51.5
 Ud iPKP 09 00 41.8
 ipPKP 09 00 54.4
 De iPKP 09 00 51.6
 Kermadec Islands.
 h = 40 km (Up,Ud).

" 25 Up iPKP 09 39 28.0
 i 09 39 35.2
 iSKP 09 42 56.8
 i 09 43 08.7
 micr sec
 PKP Z' 0.1 1.0
 SKP Z' 0.1 1.0
 Ki iPKP 09 39 11.2
 iSKP 09 42 33.5
 micr sec
 SKP Z' 0.5 1.6
 Mx N 0.6 21
 Mx Z 0.8 21
 Sk iPKP 09 39 20.4
 i 09 39 25.8
 iSKP 09 42 49.6
 Um iPKP 09 39 18.1
 iSKP 09 42 44.8
 Ud iPKP 09 39 28.6
 iSKP 09 42 59.0
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|-------------------------------|------------------|------|----|-----------------------------|--------------------|
| July | 25 | (cont.) | | July | 26 | (cont.) | |
| | | Ud | i 09 43 11.0 | | | Ud | iPKP 12 18 22.6 |
| | | De | iPKP 09 39 40.7 | | | De | iPKP 12 18 25.4 |
| | | | ipPKP 09 40 32.4 | | | | |
| | | | iSKP 09 43 07.8 | | " | 26 | Ud iPKP 13 55 39.2 |
| | | Tonga Islands. | | | | | De iPKP 13 55 49.9 |
| | | h = 200 km (De). | | | | Tonga-Kermadec Islands | |
| | | Double SKP at Up,Ud, | | | | (h = 550 km). | |
| | | probably corresponding to | | | | | |
| | | SKP1 and SKP2. | | | " | 26 | Um eP 14 19 39 |
| " | 25 | Up | eP 15 03 39 | | | Ud | eP 14 20 02 |
| | | Ud | iP 15 03 58.3 | | " | 26 | Up iP 15 06 02.6 |
| | | De | eP 15 03 50 | | | Ki | iP 15 05 27.3 |
| " | 25 | Um | iP 16 52 20.1 | | | Sk | iP 15 05 57.9 |
| | | | | | | Um | iP 15 05 42.5 |
| " | 25 | Ud | iP 18 17 22.0 | | | | i(PcP) 15 06 00.0 |
| | | Aleutian Islands (h = 50 km). | | | | Ud | iP 15 06 10.1 |
| | | | | | | South of Japan (h = 80 km). | |
| " | 25 | Um | iP 19 06 38.3 | | " | 26 | Um i(P) 16 44 16.6 |
| | | Ud | eP 19 07 11 | | | | |
| " | 25 | Um | eP 20 02 22 | | " | 26 | Ki iP 17 12 26.5 |
| | | Ud | eP 20 02 33 | | | | i 17 12 38.0 |
| " | 25 | Ud | eP 23 09 46 | | " | 26 | Ki iP 17 30 54.9 |
| | | | | | | Ud | iP 17 31 43.8 |
| " | 26 | Up | iP 01 45 27.5 | | " | 26 | Um iP 18 46 19.6 c |
| | | Ki | eP 01 45 05 | | | | |
| | | Um | eP 01 45 23 | | " | 26 | Up iP 18 55 29.8 |
| | | Ud | eP 01 45 42 | | | Ki | iP 18 54 31.9 |
| " | 26 | Up | iP 02 37 02.2 | | | | ipP 18 54 44.1 |
| | | Ud | iP 02 37 07.6 | | | Sk | iP 18 54 58.2 |
| | | Kurile Islands (h = 90 km). | | | | Um | iP 18 55 02.8 |
| | | | | | | | ipP 18 55 15.1 |
| " | 26 | Ud | iP 03 12 05.0 | | | Ud | iP 18 55 24.5 |
| | | | | | | De | iP 18 55 51.1 |
| " | 26 | Up | iP 08 32 43.8 | | | Canada. | |
| | | Ud | iP 08 32 57.7 | | | h = 45 km (Ki,Um). | |
| " | 26 | Ud | iP 09 43 07.9 c | | " | 26 | Um iP 19 03 13.2 |
| | | | | | | Ud | iP 19 03 17.6 |
| " | 26 | Ki | iPn 11 07 44.6 | | " | 26 | Up iP 22 04 20.6 |
| | | | iSn 11 08 30.8 | | | Ud | iP 22 04 30.8 |
| | | | iS* 11 08 43.6 | | | Ionian Islands. | |
| | | Sk | eSgl 11 11 35 | | " | 27 | Up iP 00 31 39.4 |
| | | Um | iSgl 11 10 19.3 | | | | ipP 00 31 46.1 |
| | | Ud | iSgl 11 12 50.5 | | | | i 00 31 54.0 |
| | | Northwest USSR-Norway | | | | | iS 00 40 20 |
| | | border region, | | | | | micr sec |
| | | 69.6°N, 30.1°E. | | | | P | Z' 0.1 1.0 |
| | | Origin time = 11 06 44. | | | | pP | Z' 0.2 1.1 |
| | | Explosion. | | | | Mx | N 0.6 21 |
| " | 26 | Up | iPKP 12 18 20.3 | | | Mx | Z 0.8 20 |
| | | (cont.) | | | | (cont.) | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

July 27 (cont.)

| | | |
|----|-----|------------|
| Ki | iP | 00 30 47.9 |
| | ipP | 00 30 54.3 |
| | i | 00 31 02.8 |
| | | micr sec |
| | pP | Z' 0.2 1.0 |
| Sk | eP | 00 31 22 |
| | i | 00 31 41.9 |
| Um | iP | 00 31 11.2 |
| | ipP | 00 31 18.4 |
| | i | 00 31 27.3 |
| | iS | 00 39 32 |
| Ud | iP | 00 31 42.7 |
| | ipP | 00 31 50.3 |
| | i | 00 32 01.0 |
| De | iP | 00 32 03.6 |
| | ipP | 00 32 11.1 |
| | i | 00 32 21.0 |

Kurile Islands.
h = 25 km (Up,Ki,Um,Ud,De).
m = 6.1 (Up,Ki).
The third phase (Up,Ki,Um,
Ud,De) could be P of another
shock in nearly the same area.

" 27 Ki iP 10 22 38.4
Ud iP 10 23 31.5
Aleutian Islands (h = 45 km).

" 27 Ki iP 13 15 35.6
Celebes Sea.

" 27 Ud iP 15 35 21.8
De iP 15 35 13.8
i 15 35 18.5

" 27 Ki iSg1 16 21 10.0
Sk iSg1 16 21 14.7
Um iSg1 16 21 36.7
Ud e(Sg2) 16 23 05
Nordland, Norway,
66.5°N, 14.1°E.
Origin time = 16 19 40.
Explosion.

" 27 Up eP1 16 53 31
iP2 16 53 33.4
ipP 16 53 39.4
micr sec
Ki P2 Z' 0.2 1.3
iP1 16 53 01.0
iP2 16 53 05.0
ipP 16 53 10.6
micr sec
P2 Z' 0.1 1.0
Mx E 0.7 17
Mx N 0.9 20
Mx Z 0.9 20
(cont.)

1972

July 27 (cont.)

| | | |
|----|-----|------------|
| Sk | iP2 | 16 53 33.7 |
| Um | iP1 | 16 53 13.6 |
| | iP2 | 16 53 16.4 |
| | ipP | 16 53 21.8 |
| Ud | iP1 | 16 53 39.3 |
| | iP2 | 16 53 41.9 |
| | ipP | 16 53 47.3 |
| De | iP2 | 16 53 52.8 |

Ryukyu Islands.
h = 20 km (Up,Ki,Um,Ud).
m = 5.9 (Up,Ki).
Double P, about 2.9 sec
apart. It is likely that the
depth phase pP refers to the
second, bigger onset.

" 27 Ud iPKP 18 46 15.1
De iPKP 18 46 25.3
Fiji Islands (h = 500 km).

" 27 Ki iSg1 19 54 53.7
Sk iSg1 19 54 57.4
Um iSn 19 55 07.6
iSg1 19 55 21.5
Ud iSg2 19 56 48.5
Nordland, Norway,
66.5°N, 13.8°E.
Origin time = 19 53 22.
Explosion.

" 27 Sk iP 20 16 23.1
Ud eP 20 16 32
Guatemala (h = 80 km).

" 27 Um iP 20 56 58.5
Ud iP 20 56 50.9
Guatemala (h = 80 km).

" 27 Ud eP 21 29 17
Guatemala (h = 90 km).

" 27 Um iP 23 26 43.2

" 28 Ud iPKP 03 53 41.3
De iPKP 03 53 51.1

" 28 Ud iP 03 56 46.4
Alternatively, this could
be SKP to the preceding
event.

" 28 Ki eP 07 14 29
ipP 07 14 43.6
micr sec
Mx E 0.4 15
Mx N 0.4 15
Mx Z 0.4 15
Um eP 07 14 41
i(sP) 07 15 04.5
(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|---|------------------|------|----|------------------------------|--|
| July | 28 | (cont.) | | July | 28 | | |
| | | Ud | iP 07 15 11.6 | | | Up | eP 16 36 45 |
| | | | ipP 07 15 26.0 | | | Um | iP 16 36 18.5 |
| | | Formosa. h = 55 km (Ki,Ud). | | | | Ud | iP 16 36 47.9 |
| | | | | | | Aleutian Islands (h = 5 km). | |
| " | 28 | Um | iPKP 08 45 16.2 | " | 28 | Ud | iPKP 23 55 56.5 |
| | | South Pacific Ocean (h = N). | | | | De | iPKP 23 56 07.6 |
| " | 28 | Up | iP 08 59 47.0 D | " | 29 | Um | iP 01 03 00.7 |
| | | | ipP 08 59 59.0 | | | Ud | iP 01 03 34.6 |
| | | | micr sec | " | 29 | Ud | iP 02 33 42.1 |
| | | P | Z' 0.2 1.0 | " | 29 | Ud | iPKP 05 15 55.8 |
| | | Ki | iP 08 58 52.9 | " | 29 | De | iPKP 05 16 08.1 |
| | | | ipP 08 59 05.7 | | | | |
| | | | micr sec | " | 29 | Up | iP 05 17 39.3 C |
| | | P | Z' 0.1 1.1 | | | | iPP 05 21 39 |
| | | Mx | E 0.6 18 | | | | ipPP 05 22 22.3 |
| | | Mx | N 0.9 20 | | | | micr sec |
| | | Mx | Z 0.9 20 | | | | P Z' 0.1 0.9 |
| | | Sk | iP 08 59 26.8 | | | | Mx E 1.0 20 |
| | | Um | iP 08 59 19.0 | | | | Mx N 1.6 18 |
| | | | iPcP 08 59 59.6 | | | | Mx Z 0.9 16 |
| | | Ud | iP 08 59 48.2 | | | Ki | iP 05 17 25.8 C |
| | | | ipP 09 00 00.1 | | | | micr sec |
| | | De | iP 09 00 10.4 D | | | | P Z' 0.3 1.0 |
| | | Aleutian Islands. h = 45 km (Up,Ki,Ud). m = 6.1 (Up,Ki). | | | | | Mx E 1.7 19 |
| " | 28 | Ud | iP 11 18 13.9 | | | | Mx N 2.3 21 |
| " | 28 | Um | i(P) 11 21 01.6 | | | | Mx Z 1.4 17 |
| " | 28 | Ki | iPn 11 28 44.8 | | | Sk | iP 05 17 46.3 C |
| | | | iSn 11 29 31.0 | | | Um | iP 05 17 30.1 C |
| | | | iS* 11 29 45.2 | | | | iSKS 05 27 49 |
| | | Um | i(Sn) 11 30 23.7 | | | | iS 05 28 27 |
| | | | iSgl 11 31 01.3 | | | Ud | iP 05 17 47.7 C |
| | | Northwest USSR, 68.2°N, 30.8°E. Origin time = 11 27 44. Explosion. | | | | De | iP 05 21 57.5 |
| " | 28 | Um | iP 12 34 44.9 | | | | iP 05 17 52.4 C |
| " | 28 | Ud | iP 14 29 36.8 | | | | ipP 05 18 33.0 |
| " | 28 | Um | iP 15 41 09.4 | | | | iPP 05 22 09.0 |
| | | Ud | iP 15 41 31.2 | | | | ipPP 05 22 42.0 |
| | | Tibet (h = N). | | | | | Celebes. h = 160 km (De). m = 6.4, M = 5.7 (Up,Ki). M uncorrected for focal depth. |
| " | 28 | Up | iSgl 16 30 43.4 | " | 29 | Ki | iP 05 50 04.6 |
| | | Um | iS* 16 31 00.7 | | | Um | iP 05 50 21.6 |
| | | | iSgl 16 31 04.4 | | | Ud | iP 05 50 51.4 |
| | | Ud | iSgl 16 31 45.1 | | | Japan (h = 60 km). | |
| | | De | eSgl 16 32 15 | " | 29 | Um | iP 06 22 22.7 |
| | | Western USSR. Explosion. | | " | 29 | Um | iP 07 55 04.2 |
| " | 28 | Up | eP 09 33 59 | " | 29 | Ud | iP 08 27 43.0 |
| | | (cont.) | | " | 29 | Up | eP 09 33 59 |

| 1972 | | | | 1972 | | | | |
|------|----|-------------------------------|------|------|----|-----------------------------|----|------------|
| July | 29 | (cont.) | | July | 29 | | | |
| | | Ki | iP | | | Up | iP | 21 18 02.1 |
| | | Um | iP | | | Ki | iP | 21 17 11.1 |
| | | | i | | | Um | iP | 21 17 35.0 |
| | | Ud | iP | | | Ud | iP | 21 18 06.5 |
| | | De | iP | | | Kurile Islands (h = N). | | |
| " | 29 | Up | i(P) | " | 29 | Um | iP | 21 53 42.4 |
| " | 29 | Up | ePP | " | 29 | Up | Mx | 23 38 |
| | | Ki | iP | | | | | micr sec |
| | | | | | | Mx | E | 0.9 19 |
| | | | | | | Mx | N | 0.7 20 |
| | | | | | | Mx | Z | 1.8 19 |
| | | | | | | Ki | Mx | 23 36 |
| | | | | | | | | micr sec |
| | | Um | iP | | | Mx | E | 0.8 18 |
| | | | i | | | Mx | N | 1.1 20 |
| | | Ud | eP | | | Mx | Z | 0.5 16 |
| | | | ePP | | | Bismarck Sea (h = N). | | |
| | | South of Bali Island | | | | M = 5.5 (Up,Ki). | | |
| | | (h = 300 km). | | | | | | |
| " | 29 | Up | iP | " | 30 | Up | iP | 00 05 54.5 |
| | | Ud | iP | | | Nevada (h = 5 km). | | |
| " | 29 | Ud | iP | " | 30 | Up | eP | 01 34 49 |
| | | | | | | Sk | eP | 01 35 29 |
| | | | | | | Um | eP | 01 35 24 |
| | | | | | | | i | 01 35 28.0 |
| | | | | | | Ud | iP | 01 34 57.5 |
| | | | | | | Aegean Sea (h = N). | | |
| " | 29 | Um | eP | " | 30 | Up | iP | 02 31 30.3 |
| | | Ud | iP | | | Ki | iP | 02 30 45.7 |
| | | Ecuador (h = 170 km). | | | | Um | iP | 02 31 04.8 |
| | | | | | | Ud | iP | 02 31 36.5 |
| " | 29 | Ud | eP | | | Japan (h = 160 km). | | |
| | | De | iP | " | 30 | Up | iP | 03 11 49.5 |
| | | | | | | | | micr sec |
| | | | | | | P | Z' | 0.1 1.0 |
| | | | | | | Mx | E | 0.8 16 |
| | | | | | | Mx | N | 1.0 18 |
| | | | | | | Mx | Z | 1.9 18 |
| " | 29 | Up | iP | | | Ki | iP | 03 10 58.8 |
| | | Ki | iP | | | | | micr sec |
| | | Um | iP | | | Mx | E | 1.0 16 |
| | | Ud | iP | | | Mx | N | 1.1 17 |
| | | Sumatra (h = 90 km). | | | | Mx | Z | 0.9 16 |
| " | 29 | Up | eP | | | Sk | iP | 03 11 35.5 |
| | | Ki | iP | | | Um | iP | 03 11 22.7 |
| | | Um | iP | | | Ud | iP | 03 11 54.5 |
| | | | i | | | De | eP | 03 12 07 |
| | | | | | | Kurile Islands (h = 45 km). | | |
| | | | | | | M = 5.1 (Up,Ki). | | |
| | | Ud | iP | " | 30 | Um | iP | 03 31 31.3 |
| | | Aleutian Islands (h = 40 km). | | | | | | |
| " | 29 | Ud | iP | | | | | |
| | | Greece. | | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|--------------------------|-----|--------------|------|----|--------------------------|-------|------------|
| July | 30 | Um | iP | 03 49 53.9 | July | 30 | Um | iP | 17 19 05.9 |
| | | Ud | iP | 03 50 06.4 | | | | | |
| " | 30 | Um | eP | 04 33 20 | " | 30 | Um | iP | 17 51 34.3 |
| | | Ud | eP | 04 33 45 | | | Ud | iP | 17 52 00.5 |
| " | 30 | Up | iP | 05 00 18.8 C | " | 30 | Up | iPKP | 17 59 05.9 |
| | | | ipP | 05 00 32.9 | | | | iPKKP | 18 09 41.7 |
| | | | | micr sec | | | | | micr sec |
| | | P | Z' | 0.2 1.0 | | | Mx | E | 1.2 21 |
| | | Ki | iP | 04 59 25.5 C | | | Mx | N | 1.9 21 |
| | | | | micr sec | | | Mx | Z | 2.4 22 |
| | | P | Z' | 0.1 0.9 | | | Ki | ePKP | 17 58 59 |
| | | Sk | iP | 04 59 58.5 | | | | i | 17 59 12.3 |
| | | Um | iP | 04 59 51.3 C | | | | | micr sec |
| | | | ipP | 05 00 04.9 | | | Mx | E | 2.9 21 |
| | | Ud | iP | 05 00 20.0 C | | | Mx | N | 3.6 24 |
| | | | ipP | 05 00 33.2 | | | Mx | Z | 3.2 23 |
| | | De | iP | 05 00 42.0 | | | Um | ePKP | 17 58 53 |
| | | | ipP | 05 00 55.3 | | | | ePKKP | 18 09 53 |
| | | Aleutian Islands. | | | | | Ud | ePKP | 17 59 05 |
| | | h = 50 km (Up,Um,Ud,De). | | | | | | i | 17 59 31.1 |
| | | m = 6.0 (Up,Ki). | | | | | | ePKKP | 18 09 41 |
| " | 30 | Up | iP | 05 11 42.9 | | | De | ePKP | 17 59 11 |
| | | Ki | iP | 05 11 42.3 | | | | iPKKP | 18 09 29.1 |
| | | Sk | iP | 05 11 56.0 | | | New Britain (h = 45 km). | | |
| | | Um | iP | 05 11 39.9 C | | | M = 5.9 (Up,Ki). | | |
| | | Ud | iP | 05 11 51.8 C | | | | | |
| | | Sumatra (h = 45 km). | | | " | 30 | Ki | eP | 18 17 55 |
| " | 30 | Um | eP | 05 28 43 | | | Um | iP | 18 18 34.3 |
| " | 30 | Um | iP | 06 37 09.7 | " | 30 | Up | eP | 18 46 46 |
| | | Ud | eP | 06 37 21 | | | Ki | iP | 18 46 25.3 |
| " | 30 | Ud | iP | 09 48 25.1 | | | Um | iP | 18 46 31.7 |
| " | 30 | Um | eP | 10 53 45 | | | Ud | iP | 18 46 53.4 |
| " | 30 | Ud | iP | 11 05 46.2 | " | 30 | Ud | eP | 19 11 21 |
| | | Crete. | | | " | 30 | Ki | iP | 19 52 24.3 |
| " | 30 | Up | eP | 11 48 12 | | | Ud | iP | 19 51 29.1 |
| | | Um | iP | 11 48 08.5 | | | De | iP | 19 50 57.3 |
| | | Ud | iP | 11 48 26.2 | " | 30 | Ki | iP | 20 14 46.1 |
| | | Afghanistan-USSR. | | | | | Ud | eP | 20 13 50 |
| " | 30 | Um | iP | 12 29 20.4 | | | De | iP | 20 13 20.4 |
| " | 30 | Up | iP | 16 12 02.4 | " | 30 | Up | iPKP | 20 32 37.5 |
| | | Ki | iP | 16 11 39.9 | | | | | micr sec |
| | | | ipP | 16 11 49.7 | | | Mx | E | 1.2 21 |
| | | | | micr sec | | | Mx | N | 2.6 21 |
| | | P | Z' | 0.1 1.0 | | | Mx | Z | 2.7 22 |
| | | Um | iP | 16 11 48.8 | | | Ki | ePKP | 20 32 26 |
| | | Ud | iP | 16 12 11.1 | | | | | micr sec |
| | | | ipP | 16 12 21.8 | | | Mx | E | 3.2 22 |
| | | De | eP | 16 12 23 | | | Mx | N | 4.0 25 |
| | | Formosa. | | | | | Mx | Z | 2.8 20 |
| | | h = 35 km (Ki,Ud). | | | | Sk | ePKP | | 20 32 37 |
| | | | | | | Um | iPKP | | 20 32 31.0 |
| | | | | | | Ud | iPKP | | 20 32 40.3 |

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

July 30 (cont.)
De iPKP 20 32 45.4
New Britain (h = 15 km).
M = 6.0 (Up,Ki).

" 30 Up iP 21 55 32.0
i 21 55 35.2
iS 22 03 59
iP'P' 22 25 03.9
micr sec
P Z' 2.3 1.5
Mx E 400 20
Mx N 590 24
Ki iP 21 54 40.6
i 21 54 43.1
iS 22 02 26
micr sec
P Z' 3.3 2.1
Mx E 900 27
Mx N 620 23
Mx Z 810 25
Sk iP 21 55 02.7
i 21 55 05.7
Um iP 21 55 08.2
i 21 55 10.9
iS 22 03 13
Ud iP 21 55 26.7
i 21 55 29.3
De iP 21 55 49.5
i 21 55 52.5

Alaska (h = 25 km).
m = 7.1, M = 7.9 (Up,Ki).
Double P, 2.8 sec apart.

" 30 Up iP 22 18 56.5
Um iP 22 19 09.0
Ud iP 22 19 11.6
De iP 22 18 54.2
Iran.

" 30 Up eP 23 10 49
Um iP 23 10 25.0
Ud eP 23 10 43
Alaska.
Origin time = 23 00 31.

" 30 Up iP 23 31 26.4 C
ipP 23 31 47.2
i(PP) 23 34 37.1
i 23 35 22.5
iPKP 23 35 36.9
iPP 23 35 53.4
micr sec
P Z' 0.1 0.9
PP Z' 0.1 1.2
Ki iP 23 31 10.6 C
i 23 31 44.6
(cont.)

1972

July 30 (cont.)
Ki e(PP) 23 34 34
iPP 23 35 28.1
ePKKP 23 47 10
micr sec
P Z' 0.2 1.0
Sk eP 23 31 34.0
i(PKP) 23 35 49.0
Um iP 23 31 15.2 C
i(PP) 23 34 33.0
iPKP 23 35 31.3
iPP 23 35 37.3
iPKKP 23 47 06.2
Ud iP 23 31 34.3 C
ipP 23 31 55.5
i(PP) 23 34 48.3
iPP 23 36 05.6
iPKKP 23 46 52.9
De iP 23 31 40.0 C
iPKP 23 35 44.1
iPP 23 36 13.6

Banda Sea.
h = 80 km (Up,Ud).
m = 6.7 (Up,Ki).
(PP) denotes early PP
arrivals.

" 30 Up ePKP2 23 59 27
Ki iPKP 23 58 51.9
Sk iPKP 23 59 04.9
iPKP2 23 59 21.3
Um iPKP 23 58 59.6 C
iPKP2 23 59 10.7
Ud iPKP2 23 59 30.8 C
New Zealand (h = 35 km).
PKP is probably identical
with PKP1.

" 31 Ud eP 03 07 12

" 31 Up iP 03 40 30.3 C
ipP 03 40 41.9
iPP 03 43 27.3
iS 03 50 25
micr sec
P Z' 0.5 1.2
pP Z' 0.4 1.1
PP Z' 0.1 1.1
Mx E 1.5 16
Mx N 2.1 15
Mx Z 3.0 17
Ki iP 03 39 54.9 C
ipP 03 40 06.3
iPP 03 42 28.8
iS 03 49 19
micr sec
P Z' 0.3 1.1
(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|-----------------------------|------------------|------|----|--------------------------------|--------------------|
| July | 31 | (cont.) | | July | 31 | | |
| | | Ki | micr sec | | | Up | iPgl 14 20 29.8 |
| | | pP | Z' 0.4 1.1 | | | | iSgl 14 21 46.4 |
| | | PP | Z' 0.1 1.0 | | | De | iPgl 14 19 55.8 |
| | | Mx | E 3.5 17 | | | | iSgl 14 20 42.2 |
| | | Mx | N 3.5 19 | | | Probably near coast of Poland. | |
| | | Mx | Z 2.4 17 | | | Origin time = 14 18 50. | |
| | | Sk | iP 03 40 25.1 C | | | Explosion. | |
| | | | ipP 03 40 36.8 | | | | |
| | | | iPP 03 43 21.2 | | " | 31 | Up iPgl 14 20 40.2 |
| | | Um | iP 03 40 10.2 C | | | | iSgl 14 21 56.5 |
| | | | i 03 40 19.8 | | | | i 14 21 59.9 |
| | | | ipP 03 40 21.9 | | | De | iPgl 14 20 06.3 |
| | | | iPP 03 42 57.3 | | | Probably near coast of Poland. | |
| | | | iS 03 49 47 | | | Origin time = 14 19 00. | |
| | | Ud | iP 03 40 36.9 C | | | Explosion. | |
| | | | ipP 03 40 48.3 | | | | |
| | | | i 03 40 55.9 | | " | 31 | Um iP 14 26 25.5 |
| | | De | iP 03 40 50.5 C | | | | Ud eP 14 26 33 |
| | | South of Japan. | | | | | De iP 14 26 24.4 |
| | | h = 40 km (Up,Ki,Sk,Um,Ud). | | | | | |
| | | m = 6.5, M = 5.8 (Up,Ki). | | | " | 31 | Up iP 14 47 18.2 C |
| " | 31 | Ki | eP 05 16 50 | | | Ki | iP 14 46 48.6 |
| | | Um | iP 05 17 19.3 | | | | ipP 14 47 16.0 |
| | | Ud | iP 05 17 47.1 | | | Um | iP 14 46 59.3 |
| " | 31 | Ki | eP 06 36 18 | | | | ipP 14 47 27.7 |
| | | Um | iP 06 36 14.5 | | | | iSKS 14 57 17 |
| | | Ud | iP 06 36 28.1 | | | Ud | eP 14 47 23 |
| | | De | iP 06 36 25.4 | | | | iPP 14 51 16.6 |
| | | | | | | | i(sPP) 14 51 50.8 |
| | | | | | | Mariana Islands. | |
| | | | | | | h = 110 km (Ki,Um). | |
| " | 31 | Ki | iP 06 49 43.7 | | | " | 31 |
| | | Um | iP 06 50 09.7 | | | Up | iP 16 08 08.7 |
| | | | iPcP 06 51 05.3 | | | | i 16 08 32.6 |
| | | Ud | iP 06 50 41.8 | | | | iS 16 18 01 |
| | | Kamchatka (h = N). | | | | | micr sec |
| " | 31 | Um | iP 07 34 12.5 | | | P | Z' 0.1 0.9 |
| | | Ud | eP 07 34 26 | | | Mx | E 1.5 16 |
| " | 31 | Ki | ePKP 07 45 57 | | | Mx | N 2.0 16 |
| | | Um | e(PKP) 07 46 04 | | | Mx | Z 2.8 16 |
| | | | iPKP 07 46 05.4 | | | Ki | iP 16 07 32.9 |
| | | Ud | iPKP 07 46 15.1 | | | | i 16 07 40.8 |
| | | De | ePKP 07 46 20 | | | | iS 16 16 58 |
| | | New Hebrides Islands | | | | | micr sec |
| | | (h = 15 km). | | | | P | Z' 0.1 1.1 |
| | | | | | | Mx | E 3.0 18 |
| | | | | | | Mx | N 3.5 18 |
| | | | | | | Mx | Z 1.6 15 |
| " | 31 | Ud | iSKP 08 15 46.6 | | | Um | iP 16 07 48.2 |
| | | De | iPKP 08 13 10.7 | | | | iS 16 17 25 |
| | | | eSKP 08 15 55 | | | Ud | iP 16 08 15.2 |
| | | Fiji Islands (h = 630 km). | | | | De | iP 16 08 28.5 |
| " | 31 | Um | iSKP 11 18 00.9 | | | South of Japan (h = N). | |
| | | | ipSKP 11 19 03.7 | | | m = 5.9, M = 5.8 (Up,Ki). | |
| | | New Hebrides Islands. | | | | | |
| | | (h = 180 km (Um)). | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

| | | | | | | |
|------|----|---------------------------|------|----|----|------|
| July | 31 | Up | eP | 17 | 16 | 38 |
| | | Ki | eP | 17 | 16 | 17 |
| | | Um | iP | 17 | 16 | 25.6 |
| | | | ipP | 17 | 16 | 33.2 |
| | | Ud | eP | 17 | 16 | 51 |
| | | Formosa. | | | | |
| | | h = 25 km (Um). | | | | |
| " | 31 | Up | iP | 17 | 30 | 00.9 |
| | | Um | iP | 17 | 29 | 35.2 |
| | | Ud | iP | 17 | 30 | 06.5 |
| | | Okhotsk Sea (h = 440 km). | | | | |
| " | 31 | Up | eSKP | 20 | 13 | 37 |
| | | Ud | iSKP | 20 | 13 | 40.3 |
| | | New Hebrides Islands | | | | |
| | | (h = 100 km). | | | | |
| " | 31 | Um | iP | 21 | 08 | 49.8 |
| | | Ud | eP | 21 | 08 | 51 |

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July 31, 1974

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SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, SKALSTUGAN, UMEÅ,
UDDEHOLM and DELARY

| | | | | |
|------------|-------|------------|------------|-----------|
| Uppsala | (Up): | 59°51.5'N, | 17°37.6'E; | h = 14 m |
| Kiruna | (Ki): | 67°50.4'N, | 20°25.0'E; | h = 390 m |
| Skalstugan | (Sk): | 63°34.8'N, | 12°16.8'E; | h = 580 m |
| Umeå | (Um): | 63°48.9'N, | 20°14.2'E; | h = 16 m |
| Uddeholm | (Ud): | 60°05.4'N, | 13°36.4'E; | h = 240 m |
| Delary | (De): | 56°28.2'N, | 13°52.2'E; | h = 150 m |

AUGUST 1 - 31, 1972
.....

| 1972 | | | | | 1972 | | | | |
|------|---|---|------|--------------|------|----|------------------|-------|------------|
| Aug. | 1 | Up | iP | 00 00 40.0 | Aug. | 1 | Ud | iP | 15 23 08.6 |
| | | Ki | iP | 00 01 40.8 | | | De | iP | 15 23 01.0 |
| | | Um | iP | 00 01 06.6 | | " | 1 | Um | iP |
| | | Ud | iP | 00 00 48.6 | | | | Ud | iP |
| | | De | eP | 00 00 20 | | | | | 15 30 31.2 |
| | | Turkey (h = N). | | | | | | | 15 30 26.8 |
| " | 1 | Events at 01 00, 02 00, 02 20, 02 40, 03 00, 04 00, 04 30, 05 45, 07 30 and 08 45 all belong to the so-called Blue Road project, a test profile of underwater explosions from Umeå in Sweden to Mo i Rana in Norway. Readings and inter- pretations will be presented in a special publication. | | | " | 1 | Ki | iP | 15 53 11.8 |
| | | | | | | | | Um | iP |
| | | | | | " | 1 | Up | iPKP | 17 48 42.6 |
| | | | | | | | Ud | iPKP | 17 48 44.6 |
| | | | | | | | De | iPKP | 17 48 55.3 |
| | | | | | " | 1 | Um | iPgl | 17 52 56.1 |
| | | | | | | | | iSgl | 17 53 20.1 |
| | | | | | | | Gulf of Bothnia. | | |
| " | 1 | Up | eP | 03 33 35 | " | 1 | Um | iSgl | 18 59 20.5 |
| | | Ki | iP | 03 33 20.0 | | | Western USSR. | | |
| | | Ud | eP | 03 33 42 | | | Explosion. | | |
| | | Molucca Passage (h = 50 km). | | | " | 1 | Up | iP | 19 19 58.4 |
| " | 1 | Ud | eP | 09 52 50 | | | | i(PP) | 19 23 14.7 |
| " | 1 | Up | iP | 10 49 54.6 | | | | iPP | 19 24 03.7 |
| | | Ki | iP | 10 49 53.1 C | | | | iSKS | 19 30 27.3 |
| | | | i | 10 50 17.1 | | | | iS | 19 31 14.4 |
| | | Um | iP | 10 49 50.9 | | | | | micr sec |
| | | Ud | iP | 10 50 02.1 | | | PP | Z' | 0.2 1.2 |
| | | De | eP | 10 50 02 | | | Mx | E | 5.0 20 |
| | | Sumatra (h = 120 km). | | | | | Mx | N | 4.4 19 |
| " | 1 | Ud | iP | 13 19 01.8 | | | Mx | Z | 4.2 22 |
| | | De | iP | 13 18 46.5 | | Ki | iP | | 19 19 39 |
| " | 1 | Ud | i(P) | 15 19 05.3 | | | ipP | | 19 20 06.4 |
| | | | | | | | iPP | | 19 23 34 |
| | | | | | | | ipPP | | 19 23 58.8 |
| | | | | | | | iSKS | | 19 30 08 |
| | | | | | | | iPS | | 19 32 04 |

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 1 (cont.)
 Ki micr sec
 P Z' 0.2 1.1
 pP Z' 0.3 1.2
 Mx E 5.3 21
 Mx N 2.4 17
 Mx Z 3.8 20
 Sk iP 19 20 06.1
 ipP 19 20 29.4
 iPP 19 24 10.4
 ipPP 19 24 35.4
 Um iP 19 19 47.4
 ipP 19 20 11.9
 i(PP) 19 23 18.6
 iPP 19 23 38.6
 ipPP 19 24 05.5
 iSKS 19 30 15
 Ud iP 19 20 06.0
 ipP 19 20 30.7
 i(PP) 19 23 58.0
 De iP 19 20 11.8
 ipP 19 20 36.2
 i(PP) 19 23 43.8
 iPP 19 24 25.2
 ipPP 19 24 48.5

Molucca Passage.

h = 90 km (Ki,Sk,Um,Ud,De).

m = 6.5, M = 6.1 (Up,Ki).

" 1 Up iPP 21 26 20.1
 micr sec
 Mx E 0.7 24
 Mx N 1.2 22
 Mx Z 0.8 20
 Ki micr sec
 Mx E 0.9 20
 Mx N 0.7 18
 Mx Z 1.0 18

Bismarck Sea (h = N).

M = 5.5 (Up,Ki).

" 1 Ki iP 22 15 42.4
 eTPg 22 20 52
 iTSg 22 21 14.7
 Sk eP 22 16 17
 iS 22 17 57.7
 Um iP 22 16 44.2
 Ud eP 22 17 07

Northeast of Jan Mayen.

" 2 Ud iP 07 44 40.2

" 2 Ki micr sec
 Mx E 0.6 18
 Mx N 0.6 19
 Mx Z 0.9 20

Um iPKP 10 01 46.6
 Solomon Islands (h = 60 km).

1972

Aug. 2 Ud iSgl 10 43 53.6
 De ePgl 10 42 45
 iSgl 10 43 41.2
 Off coast of south Norway.
 Origin time = 10 41 32.

" 2 Ud iP 11 00 15.8

" 2 Up iP 11 23 28.6 C

iPcP 11 23 57.2

Ki iP 11 22 42.0 C

micr sec

P Z' 0.1 1.0

Sk iP 11 23 18.0

Um iP 11 23 03.3 C

iPcP 11 23 40.9

Ud iP 11 23 34.2 C

De eP 11 23 54

Okhotsk Sea (h = 350 km).

" 2 Up iSgl 12 32 53.5

Sk eSgl 12 34 35

Um iSgl 12 33 10.2

Ud iSgl 12 33 52.5

De eSgl 12 34 08

Western USSR,

59.2°N, 28.3°E.

Origin time = 12 30 00.

Explosion.

" 2 Um iP 13 00 41.3

" 2 Ki iP 14 16 10.7

Um iP 14 16 26.1

Ud iP 14 16 53.4

Japan (h = 210 km).

" 2 Up iPKP 14 38 01.6

Ud iPKP 14 38 02.9

De ePKP 14 38 14

" 2 Ud eP 15 16 38

De eP 15 16 10

Turkey.

" 2 Ud iP 18 53 26.4

Kurile Islands (h = 55 km).

" 2 Up iPKP 20 08 05.9 C

ipPKP 20 08 53.9

micr sec

Ki PKP Z' 0.4 0.8

e(PKP) 20 07 47

iPKP 20 07 53.0

micr sec

PKP Z' 0.1 1.3

Sk e(PKP) 20 07 57

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 2 (cont.)
 Sk iPKP 20 08 03.0
 Um i(PKP) 20 07 54.0
 iPKP 20 08 02.2
 ipPKP 20 08 49.5
 Ud iPKP 20 08 08.0 C
 i 20 08 11.0
 ipPKP 20 08 52.7
 De iPKP 20 08 14.1 C
 i 20 08 18.5
 ipPKP 20 09 04.6

Tonga-Kermadec Islands.
 h = 190 km (Up,Um,Ud,De).

" 2 Ki iP 21 41 21.4
 Sk eP 21 41 23
 Um iP 21 41 00.8
 ipP 21 41 08.5
 Ud iP 21 41 04.6
 ipP 21 41 12.0
 De iP 21 40 51.0

Iran.
 h = 30 km (Um,Ud).

" 2 Up iP 21 49 03.8 C
 iX 21 49 28.0
 iS 21 57 19
 micr sec
 P Z' 0.2 1.0
 Mx E 1.5 16
 Mx N 2.4 17
 Mx Z 2.3 17
 Ki iP 21 48 08.4 C
 iX 21 48 31.8
 iS 21 55 46
 micr sec
 P Z' 0.2 1.1
 Mx E 5.0 19
 Mx N 4.8 19
 Mx Z 3.1 18
 Sk iP 21 48 45.2 C
 Um iP 21 48 34.7 C
 iPcP 21 49 29.6
 iS 21 56 35
 Ud iP 21 49 06.4 C
 iPcP 21 49 47.7
 De iP 21 49 29.1 C
 iPcP 21 50 03.1

Kamchatka (h = N).
 m = 6.2, M = 5.7 (Up,Ki).

" 2 Sk iP 22 13 05.1
 Um iP 22 13 22.3
 Ud iP 22 13 13.7
 Mexico (h = 50 km).

" 2 Up iP 23 11 13.0
 (cont.)

1972

Aug. 2 (cont.)
 Ki iP 23 11 44.6
 Sk iP 23 11 44.9
 ipP 23 11 51.0
 Um iP 23 11 23.9 C
 ipP 23 11 30.2
 Ud iP 23 11 27.9
 ipP 23 11 34.3
 De iP 23 11 14.3 C
 ipP 23 11 19.9

Iran.
 h = 25 km (Sk,Um,Ud,De).

" 2 Up iP 23 19 58.4
 Ki iP 23 20 30.3
 Sk eP 23 20 33
 Um iP 23 20 09.5
 Ud iP 23 20 13.5
 De iP 23 20 00.1
 Iran (h = N).

" 2 Um i(P) 23 51 33.0

" 3 Events at 01 00, 02 00,
 02 40, 03 00, 03 20, 03 40
 and 04 30 all belong to the
 so-called Blue Road project,
 a test profile of underwater
 explosions from Umeå in
 Sweden to Mo i Rana in Norway.
 Readings and interpretations
 will be presented in a special
 publication.

" 3 Up iP 02 09 39.8
 Ki iP 02 10 40.7
 Sk eP 02 10 22
 Um iP 02 10 08.1
 Ud iP 02 09 54.4
 De eP 02 09 26
 Turkey (h = 30 km).

" 3 Up iP 02 36 16.5
 Ki iP 02 35 28.8
 Sk eP 02 36 04
 Um iP 02 35 50.7
 Ud iP 02 36 21.1 C
 De iP 02 36 40.4
 Kurile Islands (h = N).

" 3 Up iP1 04 51 53.5
 iP2 04 51 54.2
 i 04 52 13.3
 iS 05 00 53
 iP'P' 05 20 17.6

micr sec
 P2 Z' 0.5 0.9
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 3 (cont.)

| | | | | |
|----|-------|----|-------|--------|
| Up | | | micr | sec |
| | Mx | E | 6.1 | 21 |
| | Mx | N | 8.5 | 19 |
| | Mx | Z | 13 | 19 |
| Ki | iP1 | | 04 51 | 00.3 |
| | iP2 | | 04 51 | 00.9 |
| | iPcS | | 04 55 | 46.5 |
| | iS | | 04 59 | 13.1 |
| | | | micr | sec |
| | P2 | Z' | 0.2 | 0.9 |
| | Mx | E | 13 | 18 |
| | Mx | N | 12 | 17 |
| | Mx | Z | 12 | 17 |
| Sk | iP2 | | 04 51 | 32.6 |
| | iPcP | | 04 52 | 05.5 |
| | iP'P' | | 05 20 | 13.8 |
| Um | iP2 | | 04 51 | 27.0 C |
| | iS | | 05 00 | 01 |
| | iP'P' | | 05 20 | 15.1 |
| Ud | iP1 | | 04 51 | 53.3 |
| | iP2 | | 04 51 | 54.0 C |
| | i | | 04 52 | 13.0 |
| | iPcS | | 04 56 | 26.5 |
| | iP'P' | | 05 20 | 14.9 |
| De | iP2 | | 04 52 | 15.9 C |
| | iPcP | | 04 52 | 33.1 |

Aleutian Islands (h = 50 km).
m = 6.4, M = 6.2 (Up,Ki).
The phase P1 at Up, Ki and Ud denotes a small-amplitude precursor, preceding the main onset P2 by about 0.7 sec.

" 3 Ud eP 05 17 54
Aleutian Islands (h = N).

" 3 Up iP 05 24 11.4
Um eP 05 23 46
Ud iP 05 24 11.3
Aleutian Islands (h = 40 km).

" 3 Up iP 05 46 15.0 C
micr sec
P Z' 0.1 0.9
Ki iP 05 45 21.8 C
Um iP 05 45 47.9 C
Ud iP 05 46 14.6 C
Aleutian Islands (h = 50 km).

" 3 Up iP 07 10 44.7 C
micr sec
P Z' 0.4 1.2
Mx E 1.1 19
Mx N 1.3 18
Mx Z 2.0 19
Ki iP 07 09 51.7 C
(cont.)

1972

Aug. 3 (cont.)

| | | | | |
|----|------|----|-------|--------|
| Ki | | | micr | sec |
| | P | Z' | 0.1 | 1.2 |
| | Mx | E | 2.1 | 18 |
| | Mx | N | 1.4 | 16 |
| | Mx | Z | 1.5 | 18 |
| Sk | iP | | 07 10 | 23.9 |
| | iPcP | | 07 10 | 56.2 |
| Um | iP | | 07 10 | 17.9 C |
| | iPcP | | 07 10 | 51.8 |
| Ud | iP | | 07 10 | 44.6 C |
| | iPcP | | 07 11 | 10.9 |
| De | iP | | 07 11 | 06.9 C |
| | ipP | | 07 11 | 18.7 |

Aleutian Islands.
h = 45 km (De).
m = 6.1, M = 5.4 (Up,Ki).

" 3 Up iP 07 14 13.0
micr sec

P Z' 0.2 1.0
Ki iP 07 13 19.9
iPcP 07 14 03.4

micr sec
P Z' 0.1 0.9

Sk iP 07 13 51.5
iPcP 07 14 24.1

Um iP 07 13 45.8
iPcP 07 14 20.2

Ud iP 07 14 13.0
De iP 07 14 35.5

Aleutian Islands (h = 50 km).
m = 6.0 (Up,Ki).

" 3 Um iP 07 34 21.5

" 3 Up iP 09 54 45.6
Ki iP 09 54 15.0

Ud iP 09 54 54.6
De eP 09 55 04

Formosa (h = 90 km).

" 3 Up iP 12 46 37.6
micr sec

P Z' 0.2 1.5
Ki iP 12 45 39.4

micr sec
P Z' 0.1 1.1

Mx E 0.8 19
Mx N 0.7 20
Mx Z 0.9 19

Sk iP 12 46 17.4
Um iP 12 46 07.1

Ud iP 12 46 38.7
De iP 12 47 03.1

Kamchatka (h = N).
m = 5.9 (Up,Ki).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 3 Um iP 15 09 08.6
Mexico (h = N).

" 3 Up iP 15 22 54.7
micr sec
P Z' 0.1 0.6
Ki iP 15 22 37.5
micr sec
Mx E 0.7 17
Mx Z 0.5 17
Sk iP 15 23 00.9
Um iP 15 22 43.2
Ud iP 15 23 03.4
De eP 15 23 11
Mindoro (h = N).

" 3 Up i(P) 19 07 19.7

" 3 Up iP 21 44 38.5
Ki iP 21 45 39.0
micr sec
Mx E 0.5 11
Mx N 0.4 11
Mx Z 0.4 11
Sk eP 21 45 19
Um iP 21 45 04.6
Ud iP 21 44 50.0
De iP 21 44 24.2
Turkey (h = 40 km).

" 3 Up eP 22 35 40
i 22 35 41.9
Ki i(P) 22 35 40.1
Sk eP 22 36 04
Um iP 22 35 38.7
Ud eP 22 35 56
i 22 35 57.8
ipP 22 36 34.5
De iP 22 35 53.0
Hindu Kush.
h = 180 km (Ud).

" 3 Up iP 22 55 27.2
Ki iP 22 55 58.0
Sk eP 22 56 01
i 22 56 08.1
Um iP 22 55 37.0
i 22 55 45.2
Ud iP 22 55 41.3
i 22 55 50.3
De iP 22 55 27.5
Iran (h = 60 km).

" 4 Up iP 01 39 27.7
Aleutian Islands (h = 60 km).

" 4 Up iP 05 35 15.0
Ki iP 05 36 14.6
(cont.)

1972

Aug. 4 (cont.)
Sk iP 05 35 54.9
Um iP 05 35 39.3
Ud iP 05 35 26.3
De iP 05 34 59.8
Turkey (h = N).

" 4 Ki iP 07 36 07.2
Sk iP 07 36 19.2
Um iP 07 36 13.1
Solomon Islands (h = N).

" 4 Ki eP 08 11 39
Ud iP 08 11 01.4
i 08 11 07.2
Atlantic Ocean (h = N).

" 4 Up iP 09 58 33.3
i 09 58 45.5
Ki iP 09 57 42.1
micr sec
P Z' 0.1 1.1
Sk iP 09 58 04.2
Um iP 09 58 08.8
Ud iP 09 58 27.3
De iP 09 58 50.3
i 09 58 58.3
Alaska (h = 20 km).

" 4 Sk iP 11 01 56.9
Ud iP 11 01 23.7
Greece.

" 4 Up iP 11 21 43.8
Ki eP 11 21 38
Um eP 11 21 41
Ud iP 11 21 24.2
Iceland (h = N).

" 4 Up iP 11 48 29.8 D
ipP 11 48 36.1
iS 11 56 53
micr sec
P Z' 0.2 0.9
pP Z' 0.5 1.5
Mx E 3.1 20
Mx N 3.2 20
Mx Z 6.3 21
Ki iP 11 47 38.2
ipP 11 47 45.0
iS 11 55 18
micr sec
P Z' 0.2 1.0
pP Z' 0.5 1.4
Mx E 4.8 18
Mx N 7.8 21
Mx Z 7.3 21
Sk iP 11 48 00.2 D
(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 4 (cont.)
 Sk ipP 11 48 06.4
 Um iP 11 48 05.6
 ipP 11 48 12.4
 iS 11 56 11
 Ud iP 11 48 23.7 D
 ipP 11 48 30.5
 De iP 11 48 47.5 D
 ipP 11 48 53.7

Alaska.

h = 25 km (Up,Ki,Sk,Um,Ud,
De).

m = 6.3, M = 5.8 (Up,Ki).

" 4 Up iP 17 03 37.5
 Ki iP 17 02 44.1
 Um iP 17 03 12.3
 Ud iP 17 03 37.8
 i 17 03 53.5
 Aleutian Islands (h = 45 km).

" 4 Um iP 17 29 31.7

" 4 Up iP1 18 01 55.0
 iP2 18 01 56.1
 iP3 18 01 58.4
 micr sec
 P2 Z' 0.1 1.0
 P3 Z' 0.2 1.0
 Mx E 29 25
 Mx N 35 17
 Mx Z 51 17

Ki iP1 18 01 04.0
 iP2 18 01 04.7
 iP3 18 01 07.5
 micr sec
 P3 Z' 0.1 1.0
 Mx E 31 15
 Mx N 23 16
 Mx Z 25 15

Sk iP2 18 01 40.9

Um iP1 18 01 27.8

iP2 18 01 28.8

iP3 18 01 31.4

iS 18 09 49

i(P'P') 18 30 24.1

iP'P' 18 30 41.7

Ud iP1 18 01 59.5

iP2 18 02 00.4

De iP2 18 02 19.6

Kurile Islands (h = 55 km).

m = 6.0 (P3), M = 6.6 (Up,
Ki).

Multiple P, in average

P2 - P1 = 0.9 sec,

P3 - P1 = 3.5 sec.

1972

Aug. 4 Ki iP 18 36 08.5
 Kurile Islands (h = N).

" 4 Um i(P) 19 41 41.0

" 4 Up iPKP 20 20 34.6
 micr sec

Mx E 1.9 20

Mx N 1.9 18

Mx Z 3.8 20

Ki iPKP 20 20 21.0
 micr sec

Mx E 2.1 18

Mx N 2.9 18

Mx Z 2.6 19

Sk iPKP 20 20 32.0

Um iPKP 20 20 26.1

i 20 20 40.3

Ud iPKP 20 20 36.7

Solomon Islands (h = 35 km).

M = 6.0 (Up,Ki).

" 4 Sk ePKP 21 18 24
 Solomon Islands (h = 40 km).

" 4 Up iPKP 21 24 34.2
 Ki ePKP 21 24 25

Sk iPKP 21 24 32.7

Um iPKP 21 24 25.9

Ud ePKP 21 24 37

De iPKP 21 24 45.3

Solomon Islands (h = 25 km).

" 4 Up iPKP 22 03 20.6
 Ki ePKP 22 03 06
 Solomon Islands (h = 40 km).

" 4 Up ePKP 22 49 34
 micr sec

Mx E 1.5 20

Mx N 1.7 19

Mx Z 2.7 20

Ki iPKP 22 49 21.6
 micr sec

Mx E 2.3 19

Mx N 2.8 20

Mx Z 2.7 18

Sk iPKP 22 49 32.5

Um i(PKP) 22 49 23.6

iPKP 22 49 26.7

Ud i(PKP) 22 49 33.6

iPKP 22 49 37.2

Solomon Islands (h = 35 km).

M = 6.0 (Up,Ki).

" 4 Um iP 23 44 22.1

i 23 44 32.2

Ud iP 23 45 03.5

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 6 (cont.)
 Ki i 00 58 42.1
 iS 01 02 46.0
 micr sec
 P Z' 0.1 0.8
 Sk eP 00 58 09
 Um iPn 00 57 49.7
 iP 00 57 58.5
 iSn 01 01 18.0
 iLgl 01 04 15.8
 Ud iPn 00 57 31.2
 i 00 57 35.2
 iP 00 57 44.2
 iSn 01 00 57.1
 De ePn 00 57 00
 iSn 00 59 57.8
 iLgl 01 02 16.7
 Black Sea (h = N).
 m = 5.2 (Up,Ki).

" 6 Up iP 01 21 11.5 C
 iPP 01 22 59.7
 micr sec
 P Z' 0.1 0.8
 Mx E 0.6 13
 Mx N 0.9 13
 Mx Z 1.1 14
 Ki iP 01 21 38.0 C
 micr sec
 P Z' 0.2 0.8
 Mx E 2.5 16
 Mx N 1.8 18
 Mx Z 3.1 16
 Sk iP 01 21 43.0 C
 ipP 01 21 51.1
 Um iP 01 21 20.0 C
 iPP 01 23 10.3
 Ud iP 01 21 25.8 C
 ipP 01 21 34.0
 iPP 01 23 19.6
 De iP 01 21 14.1 C
 ipP 01 21 21.7
 Iran.
 h = 30 km (Sk,Ud,De).
 m = 6.0, M = 5.2 (Up,Ki).

" 6 Up iP 01 40 31.0
 Ki iP 01 40 59.4
 Sk iP 01 41 03.1
 Um iP 01 40 40.4
 Ud iP 01 40 47.4
 De iP 01 40 35.1
 Iran (h = N).

" 6 Up iP 07 07 50.2
 i 07 07 53.5
 (cont.)

1972

Aug. 6 (cont.)
 Ki iP 07 08 29.7 C
 i 07 08 33.5
 micr sec
 P Z' 0.1 0.8
 Sk iP 07 08 25.9
 i 07 08 29.2
 Um iP 07 08 05.6
 i 07 08 09.5
 Ud iP 07 08 05.5 C
 i 07 08 09.1
 De iP 07 07 47.5
 i 07 07 51.6
 Iran (h = 35 km).
 Double P, in average
 3.7 sec apart.

" 6 Up iPKP 07 33 40.6
 micr sec
 PKP Z' 0.1 1.2
 Mx E 3.1 20
 Mx N 4.1 18
 Mx Z 5.4 20
 Ki iPKP 07 33 27.6
 micr sec
 PKP Z' 0.1 1.1
 Mx E 4.1 17
 Mx N 2.9 17
 Mx Z 2.7 17
 Sk iPKP 07 33 38.4
 Um iPKP 07 33 32.2
 i 07 33 42.9
 iPP 07 35 02
 Ud iPKP 07 33 43.0
 De iPKP 07 33 49.2
 Solomon Islands (h = 55 km).
 M = 6.2 (Up,Ki).

" 6 Up iPKP 07 36 09.5
 Ki ePKP 07 35 58
 Um iPKP 07 36 07.0
 Ud iPKP 07 36 13.4
 De iPKP 07 36 19.2
 Solomon Islands.
 Origin time = 07 17 18.

" 6 Ki ePKP 07 42 09
 Sk ePKP 07 42 26
 Um ePKP 07 42 15
 Ud iPKP 07 42 31.2
 De iPKP 07 42 36.8
 Solomon Islands.
 Origin time = 07 23 33.

" 6 Up iPKP 07 43 19.3
 Ki iPKP 07 43 06.2
 Sk iPKP 07 43 17.0
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|------------------------------|-------------------|------|---|----------------------|-------------------|
| Aug. | 6 | (cont.) | | Aug. | 6 | (cont.) | |
| | | Um | iPKP 07 43 11.9 | | | Um | iP 15 46 29.4 |
| | | Ud | iPKP 07 43 20.9 | | | Ud | iP 15 46 24.9 |
| | | De | ePKP 07 43 26 | | | De | eP 15 46 11 |
| | | Solomon Islands. | | | | Arabian Sea (h = N). | |
| | | Origin time = 07 24 25. | | | | | |
| " | 6 | De | iPKP 08 12 38.9 | " | 6 | Up | eP 16 03 21 |
| | | Loyalty Islands (h = 60 km). | | | | Ki | eP 16 03 49 |
| | | | | | | Sk | eP 16 03 46 |
| | | | | | | Ud | iP 16 03 28.3 |
| | | | | | | De | eP 16 03 16 |
| | | | | | | Arabian Sea (h = N). | |
| " | 6 | Up | eSgl 08 35 26 | " | 6 | Ki | iP 17 12 28.5 |
| | | Ki | iSn 08 32 11.5 | | | | |
| | | | iS* 08 32 29.4 | | | | |
| | | Sk | iSgl 08 35 03.1 | | | | |
| | | Um | eSgl 08 33 30 | | | | |
| | | Ud | eSgl 08 36 01 | | | | |
| | | Northwest USSR. | | | | | |
| | | Explosion. | | | | | |
| " | 6 | Ud | iP 10 12 33.2 | " | 7 | Ud | iP 01 40 51.5 |
| | | Dodecanese Islands. | | | | De | iP 01 40 13.1 |
| | | | | | | Italy. | |
| " | 6 | Up | iPKP 10 34 33.9 | " | 7 | Up | iP 01 49 08.7 |
| | | Ki | iPKP 10 34 21.0 | | | Ki | eP 01 48 48 |
| | | Sk | iPKP 10 34 31.9 | | | Ud | iP 01 49 18.1 |
| | | Um | iPKP 10 34 27.0 C | | | Luzon (h = N). | |
| | | Ud | iPKP 10 34 35.5 | | | | |
| | | De | iPKP 10 34 40.9 | | | | |
| | | Solomon Islands (h = 70 km). | | " | 7 | Up | i(PKP) 09 43 21.7 |
| " | 6 | Ud | iP 11 10 10.5 | | | | iPKP 09 43 33.2 |
| | | Kurile Islands. | | | | | ipPKP 09 43 45.2 |
| | | | | | | | ipp 09 46 13.4 |
| | | | | | | | iSKP 09 47 05 |
| " | 6 | Ud | iP 11 18 21.4 | | | | micr sec |
| | | Kurile Islands (h = N). | | | | Mx | E 1.0 20 |
| | | | | | | Mx | N 1.5 21 |
| " | 6 | Ki | iP 11 25 36.5 | | | Mx | Z 2.2 20 |
| | | Sk | eP 11 25 49 | | | Ki | iPKP 09 43 17.0 |
| | | Ud | iP 11 25 47.7 | | | | ipPKP 09 43 29.4 |
| | | Sunda Strait (h = 70 km). | | | | | micr sec |
| " | 6 | Up | iPKP 15 36 27.9 | | | | PKP Z' 0.1 1.0 |
| | | Ki | iPKP 15 36 14.5 | | | | pPKP Z' 0.1 1.0 |
| | | | micr sec | | | | Mx E 2.4 21 |
| | | Mx | E 0.6 20 | | | | Mx N 3.0 22 |
| | | Mx | N 0.4 18 | | | | Mx Z 3.5 22 |
| | | Mx | Z 0.7 20 | | | Sk | iPKP 09 43 26.9 |
| | | Sk | iPKP 15 36 25.5 | | | | ipPKP 09 43 39.4 |
| | | Um | iPKP 15 36 21.2 | | | Um | iPKP 09 43 24.1 |
| | | Ud | iPKP 15 36 29.0 | | | | ipPKP 09 43 36.1 |
| | | De | iPKP 15 36 36.0 | | | Ud | i(PKP) 09 43 23.6 |
| | | Solomon Islands (h = 50 km). | | | | | iPKP 09 43 35.7 |
| " | 6 | Up | iPKP 15 44 13.5 | | | | ipPKP 09 43 46.9 |
| | | Solomon Islands (h = N). | | | | De | i(PKP) 09 43 32.7 |
| | | | | | | | iPKP 09 43 42.9 |
| | | | | | | | ipPKP 09 43 51.5 |
| | | | | | | | ipp 09 46 41.6 |
| " | 6 | Up | iP 15 46 15.3 | | | Samoa Islands. | |
| | | Ki | eP 15 46 45 | | | (cont.) | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 7 (cont.)
h = 40 km (Up,Ki,Sk,Um,Ud,
De).
M = 6.0 (Up,Ki).

" 7 Up i(P) 15 17 38.1

" 7 Ud iPgl 19 46 21.9
iSgl 19 46 42.9
iRg 19 46 52.8
De iSgl 19 47 35.8

South Norway,
59.3°N, 11.3°E.
Origin time = 19 45 56.
By combination with
Kongsberg readings.
Possibly explosion.

" 7 Ki iPKP 23 35 20.8
ipPKP 23 36 08.5
micr sec
PKP Z' 0.1 1.1
Sk iPKP 23 35 33.0
ipPKP 23 36 20.0
Ud iPKP 23 35 36.4
De ePKP 23 35 44
ipPKP 23 36 33.8

New Hebrides Islands.
h = 190 km (Ki,Sk,De).

" 8 Up iP 00 51 23.4 C
iPn 00 52 15.0
Ki iP 00 51 56.4 C
iPn 00 53 06.4
micr sec
Pn Z' 0.1 1.2
Sk eP 00 51 58
ipP 00 52 10.2
Um iP 00 51 33.9
Ud iP 00 51 40.0 C
ipP 00 51 52.4
iPn 00 52 43.3
De iP 00 51 26.4 C

Iran.
h = 45 km (Sk,Ud).

" 8 Ki iP 04 36 08.8
Congo (h = 25 km).

" 8 Up iP 09 56 43.0 D
micr sec
P Z' 0.1 1.0
Ki iP 09 55 53.2 D
micr sec
P Z' 0.1 0.8
Sk iP 09 56 28.6
(cont.)

1972

Aug. 8 (cont.)
Um iP 09 56 16.5
Ud iP 09 56 47.6 D
De iP 09 57 06.9
Kurile Islands (h = N).
m = 6.0 (Up,Ki).

" 8 Up iP 10 05 22.4
Um iP 10 05 02.3
Ud iP 10 05 28.5
South of Japan (h = 45 km).

" 8 Ud i(P) 11 14 44.8
i 11 14 47.5
De i(P) 11 15 04.0

" 8 Up iSgl 13 02 16.4
Ki eSgl 13 05 08
Sk iSgl 13 04 13.6
Um iSgl 13 03 05.7
Ud eSgl 13 03 21
De eSgl 13 03 42
Estonia, 59.2°N, 24.1°E.
Origin time = 13 00 30.
Explosion.

" 8 Ud iP 14 32 53.6
De iP 14 32 42.0

" 8 Ud ePKP 16 18 15
New Britain (h = 70 km).

" 8 Up iPKP 18 02 27.3 D
i 18 02 40.7
micr sec
PKP Z' 0.1 0.6
Sk iPKP 18 02 21.0
Um iPKP 18 02 10.8
Ud iPKP 18 02 29.3 D
De iPKP 18 02 39.1 D
i 18 02 43.9
Tonga-Kermadec Islands
(h = 530 km).

" 8 Up i(P) 18 42 48.1
Ki i(P) 18 43 13.0
Ud i(P) 18 42 24.3

" 8 Um iPKP 19 04 57.3
Solomon Islands (h = 15 km).

" 8 Up iP 19 17 53.4 C
iPP 19 19 41.3
micr sec
P Z' 0.2 0.8
Mx E 0.6 13
(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---------------------------|---------|--------------|------|----|------|-----------------------------|
| Aug. | | (cont.) | | Aug. | | | |
| | Up | | micr sec | 9 | Um | iP | 00 31 42.7 |
| | Mx | N | 0.7 13 | | Ud | iP | 00 32 07.6 |
| | Mx | Z | 0.9 14 | " | 9 | Up | iPKP |
| | Ki | iP | 19 18 20.4 C | | Ki | ePKP | 00 56 45.4 |
| | | ipP | 19 18 32.2 | | | iSKP | 00 56 37 |
| | | iPP | 19 20 16.8 | | | | 00 59 34.8 |
| | | | micr sec | | | | micr sec |
| | P | Z' | 0.2 0.8 | | Um | SKP | Z' 0.1 1.5 |
| | Mx | E | 2.2 17 | | | ePKP | 00 56 37 |
| | Mx | N | 1.7 15 | | | iSKP | 00 59 46.1 |
| | Mx | Z | 2.1 16 | | Ud | iPKP | 00 56 47.5 |
| | Sk | iP | 19 18 24.7 C | | | i | 00 57 20.1 |
| | | ipP | 19 18 37.0 | | | iSKP | 00 59 58.4 |
| | Um | iP | 19 18 02.0 C | | De | iPKP | 00 56 58.1 |
| | | iPP | 19 19 51.9 | | | i | 00 57 02.0 |
| | Ud | iP | 19 18 08.7 C | | | i | 00 57 19.9 |
| | | ipP | 19 18 20.6 | | | | Tonga-Kermadec Islands |
| | | iPP | 19 20 08.8 | | | | (h = 320 km). |
| | De | iP | 19 17 56.2 C | " | 9 | Up | iP |
| | Iran. | | | | | i | 04 06 40.2 C |
| | h = 45 km (Ki,Sk,Ud). | | | | Ki | eP | 04 06 42.7 |
| | m = 6.2, M = 5.2 (Up,Ki). | | | | Sk | eP | 04 07 59 |
| " | 8 | Up | iP | | Um | iP | 04 07 22 |
| | | | 19 18 18.0 | | | i | 04 07 21.6 |
| | | | micr sec | | Ud | iP | 04 07 35.7 |
| | P | Z' | 0.1 1.0 | | | i | 04 06 47.5 |
| | Ki | iP | 19 18 45.3 | | | i | 04 06 50.4 |
| | | | micr sec | | | | Greece-Albania (h = 40 km). |
| | P | Z' | 0.1 0.8 | " | 9 | Up | iP |
| | Sk | iP | 19 18 49.9 | | | | 04 24 08.5 |
| | Um | iP | 19 18 26.2 | " | 9 | Up | iP1 |
| | Ud | iP | 19 18 33.6 | | | iP2 | 04 29 24.1 C |
| | De | iP | 19 18 21.3 | | | iP3 | 04 29 25.0 |
| | Iran. | | | | | i | 04 29 27.9 |
| | Origin time = 19 09 58. | | | | | iS | 04 29 42.9 |
| | m = 5.9 (Up,Ki). | | | | | | 04 39 05 |
| " | 8 | Up | iPKP | | | | micr sec |
| | | | 21 01 11.9 | | | P3 | Z' 0.3 1.0 |
| | | i | 21 01 32.9 | | | Mx | E 0.7 15 |
| | Sk | iPKP | 21 01 05.0 | | | Mx | N 1.6 22 |
| | Um | i | 21 01 44.4 | | | Mx | Z 3.3 20 |
| | Ud | iPKP | 21 01 14.3 | | Ki | iP1 | 04 29 25.0 |
| | De | iPKP | 21 01 23.3 | | | iP2 | 04 29 26.7 |
| | Solomon Islands. | | | | | iP3 | 04 29 30.9 |
| " | 9 | Up | iP | | | | micr sec |
| | | | 00 08 23.8 C | | | P3 | Z' 0.1 1.1 |
| | | | micr sec | | | Mx | E 3.0 20 |
| | P | Z' | 0.1 1.2 | | | Mx | N 2.1 17 |
| | Ki | iP | 00 07 30.7 | | | Mx | Z 2.3 18 |
| | Um | eP | 00 07 58 | | Sk | iP2 | 04 29 41.3 |
| | Ud | iP | 00 08 24.1 | | | iP3 | 04 29 45.1 |
| | | ipP | 00 08 41.8 | | Um | iP1 | 04 29 20.3 |
| | De | iP | 00 08 46.4 | | | iP2 | 04 29 22.1 |
| | Aleutian Islands. | | | | | iP3 | 04 29 25.6 |
| | h = 65 km (Ud). | | | | | iS | 04 39 00 |
| | | | | | Ud | iP1 | 04 29 35.4 C |
| | | | | | | iP2 | 04 29 36.5 |

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 9 (cont.)
 Ud iP3 04 29 39.9
 De iP1 04 29 32.4
 iP2 04 29 34.2
 iP3 04 29 37.6
 Nicobar Islands (h = N).
 m = 6.2 (P3), M = 5.6 (Up,
 Ki).
 Multiple P, in average
 P2 - P1 = 1.2 sec,
 P3 - P1 = 4.9 sec.

" 9 Up iP 04 43 58.6
 Ki eP 04 44 05
 Um iP 04 44 00.4
 Ud iP 04 44 12.4
 De iP 04 44 07.2

" 9 Um iP 07 40 06.9
 Ud iP 07 40 18.7

" 9 Up iP 08 27 34.4
 Ki eP 08 27 21
 Sk iP 08 27 16.1
 Um iP 08 27 30.0
 ipP 08 28 02.3
 Ud iP 08 27 25.5
 Mexico.
 h = 130 km (Um).

" 9 Up eP 09 00 34
 Um eP 09 00 30
 Ud iP 09 00 44.1
 De eP 09 00 42
 Nicobar Islands.
 Origin time = 08 48 47.

" 9 Ki iPn 11 40 38.1
 iPgl 11 40 44.1
 iSn 11 41 24.4
 iSgl 11 41 39.8
 Um iSgl 11 43 14.0
 Northwest USSR-Norway border
 region, 69.7°N, 30.1°E.
 Origin time = 11 39 37.
 Explosion.

" 9 Sk iPKP 12 54 00.1
 Um iPKP 12 53 55.3
 Ud iPKP 12 54 07.2
 De iPKP 12 54 17.0
 Solomon Islands.

" 9 Up iP 13 00 27.9 C
 micr sec
 P Z' 0.1 0.9
 Ki iP 13 00 29.5
 (cont.)

1972

Aug. 9 (cont.)
 Ki i 13 00 39.5
 micr sec
 P Z' 0.1 1.0
 Sk iP 13 00 45.8
 Um iP 13 00 24.9
 Ud iP 13 00 39.7 C
 De iP 13 00 37.7
 Nicobar Islands (h = N).
 m = 5.9 (Up,Ki).

" 9 Up iP 15 46 19.9
 i 15 46 20.9
 i 15 46 33.7
 iX 15 48 24.2
 iS 15 55 52.8
 micr sec

P Z' 0.2 0.9
 Ki iP 15 45 48.6
 i 15 45 50.2
 i 15 46 03.0
 iS 15 54 55
 micr sec

P Z' 0.1 0.6
 Sk iP 15 46 17.3
 i 15 46 18.3
 i 15 46 30.6
 iPP 15 49 32.2

Um iP 15 46 01.2
 i 15 46 02.9
 i 15 46 16.3
 iX 15 48 05.9
 iS 15 55 19
 Ud iP 15 46 26.7
 i 15 46 40.5
 iX 15 48 31.6
 De iP 15 46 38.3
 i 15 46 39.5
 i 15 46 52.3

Bonin Islands (h = 470 km).
 m = 5.6 (Up,Ki).
 Multiple P, in average 1.3
 and 14.1 sec after the first
 onset.

If the phase X is inter-
 preted as pP, the focal
 depth will be 600 km.

" 9 Ki eP 16 35 42
 Ud iP 16 35 57.3
 Turkestan.

" 9 Up iP 19 50 43.3
 i 19 51 01.2
 micr sec
 P Z' 0.1 0.9
 Mx E 1.9 20
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 9 (cont.)

| | | | | |
|----------------------|-------|---|-------|------|
| Up | | | micr | sec |
| | Mx | N | 1.4 | 20 |
| | Mx | Z | 3.1 | 18 |
| Ki | iP | | 19 50 | 02.2 |
| | iPP | | 19 51 | 41.0 |
| | | | micr | sec |
| | Mx | E | 1.0 | 14 |
| | Mx | N | 0.8 | 12 |
| | Mx | Z | 1.2 | 12 |
| Sk | eP | | 19 50 | 43 |
| Um | iP | | 19 50 | 17.4 |
| | i | | 19 50 | 33.4 |
| | i(PP) | | 19 52 | 08.9 |
| Ud | iP | | 19 50 | 53.5 |
| | i | | 19 51 | 13.0 |
| De | eP | | 19 51 | 09 |
| | i | | 19 51 | 26.3 |
| Lake Baikal (h = N). | | | | |
| M = 5.1 (Up,Ki). | | | | |

" 9

| | | | | |
|------------------------------|----|---|-------|------|
| Up | iP | | 21 00 | 50.0 |
| Ki | iP | | 21 00 | 01.0 |
| | | | micr | sec |
| | Mx | E | 0.8 | 12 |
| | Mx | N | 0.6 | 14 |
| | Mx | Z | 0.5 | 12 |
| Sk | eP | | 21 00 | 42 |
| Um | iP | | 21 00 | 24.0 |
| Ud | iP | | 21 00 | 59.6 |
| De | iP | | 21 01 | 18.8 |
| Eastern Siberia (h = 35 km). | | | | |

" 9

| | | | | |
|-----------------|----|--|-------|------|
| Ud | iP | | 21 20 | 09.5 |
| Kurile Islands. | | | | |

" 9

| | | | | |
|----|----|--|-------|----|
| Up | eP | | 23 54 | 26 |
|----|----|--|-------|----|

" 10

| | | | | |
|----|----|--|-------|------|
| Ud | iP | | 01 13 | 35.9 |
|----|----|--|-------|------|

" 10

| | | | | |
|----|----|--|-------|------|
| Ud | iP | | 02 37 | 05.8 |
| | i | | 02 37 | 12.9 |

" 10

| | | | | |
|------------------------------|------|--|-------|----|
| Ud | ePKP | | 03 28 | 35 |
| Solomon Islands (h = 50 km). | | | | |

" 10

| | | | | |
|--------------------|----|--|-------|------|
| Um | iP | | 15 02 | 19.6 |
| Japan (h = 45 km). | | | | |

" 10

| | | | | |
|-----------------|---------|--|-------|--------|
| Up | ePKP | | 15 50 | 46 |
| Ki | e(pPKP) | | 15 50 | 45 |
| Ud | iPKP | | 15 50 | 47.7 |
| De | iPKP | | 15 50 | 56.6 C |
| | ipPKP | | 15 51 | 09.1 |
| Tonga Islands. | | | | |
| h = 45 km (De). | | | | |

1972

Aug. 10

| | | | | |
|------------------|----|----|-------|------|
| Up | iP | | 21 16 | 14.5 |
| | | | micr | sec |
| | P | Z' | 0.1 | 0.9 |
| Ki | iP | | 21 16 | 03.1 |
| | | | micr | sec |
| | P | Z' | 0.1 | 1.1 |
| | Mx | E | 0.5 | 18 |
| | Mx | N | 0.5 | 15 |
| Sk | iP | | 21 16 | 28.9 |
| Um | iP | | 21 16 | 03.1 |
| Ud | iP | | 21 16 | 27.6 |
| De | iP | | 21 16 | 31.8 |
| Tibet (h = N). | | | | |
| m = 5.8 (Up,Ki). | | | | |

" 10

| | | | | |
|--------------------|----|--|-------|------|
| Up | iP | | 22 15 | 09.3 |
| Um | iP | | 22 14 | 47.4 |
| Ud | iP | | 22 15 | 16.6 |
| Japan (h = 70 km). | | | | |

" 11

| | | | | |
|---------------------------|-----|----|-------|--------|
| Up | iP | | 02 31 | 13.1 C |
| | | | micr | sec |
| | P | Z' | 0.1 | 1.0 |
| | Mx | E | 0.5 | 19 |
| | Mx | N | 0.6 | 13 |
| | Mx | Z | 0.9 | 14 |
| Ki | iP | | 02 30 | 44.6 |
| | | | micr | sec |
| | P | Z' | 0.1 | 1.0 |
| | Mx | E | 0.8 | 11 |
| | Mx | N | 1.5 | 15 |
| | Mx | Z | 0.7 | 11 |
| Sk | iP | | 02 31 | 19.8 C |
| Um | iP | | 02 30 | 52.9 |
| Ud | iP | | 02 31 | 25.5 |
| | iPP | | 02 33 | 23.5 |
| De | iP | | 02 31 | 36.5 C |
| | ipP | | 02 31 | 45.7 |
| Mongolia. | | | | |
| h = 35 km (De). | | | | |
| m = 5.8, M = 5.0 (Up,Ki). | | | | |

" 11

| | | | | |
|--------------------|----|--|-------|------|
| Up | eP | | 02 44 | 30 |
| Ki | eP | | 02 43 | 49 |
| Um | iP | | 02 44 | 03.5 |
| Ud | eP | | 02 44 | 38 |
| Japan (h = 20 km). | | | | |

" 11

| | | | | |
|--------------------|----|--|-------|------|
| Um | iP | | 05 23 | 17.6 |
| Ud | eP | | 05 23 | 46 |
| Japan (h = 60 km). | | | | |

" 11

| | | | | |
|--------|----|--|-------|------|
| Ud | iP | | 06 53 | 32.9 |
| Italy. | | | | |

" 11

| | | | | |
|----|-------|--|-------|--------|
| Up | ipPKP | | 07 50 | 16.6 D |
| | i | | 07 50 | 45.1 |

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|---|--------------|------|----|--|------------|
| Aug. | 11 | (cont.) | | Aug. | 11 | | |
| | | Up ipPKP | 07 52 01.2 | | | Ki iSgl | 13 56 03.7 |
| | | | micr sec | | | Sk iSgl | 13 56 09.2 |
| | | PKP | Z' 0.1 0.6 | | | Um iSn | 13 56 17.3 |
| | | Ki e(PKP) | 07 50 05 | | | iSgl | 13 56 31.1 |
| | | ipPKP | 07 50 07.1 | | | Nordland, Norway, 66.5°N, 14.1°E. Origin time = 13 54 35. Explosion. | |
| | | iSKP | 07 53 00.9 | | | | |
| | | | micr sec | | | | |
| | | PKP | Z' 0.1 1.0 | | | | |
| | | Sk e(PKP) | 07 50 11 | " | 11 | Up iSgl | 15 19 02.8 |
| | | Um i(PKP) | 07 50 05.4 | | | Sk iSgl | 15 18 50.8 |
| | | ipPKP | 07 50 14.7 | | | iRg | 15 19 21.3 |
| | | iSKP | 07 53 11.5 | | | Ud iSgl | 15 18 00.2 |
| | | Ud ipPKP | 07 50 18.6 D | | | Southwest Norway, 58.9°N, 6.3°E. Origin time = 15 16 00. By combination with Kongsberg readings. | |
| | | ipPKP | 07 52 02.9 | | | | |
| | | De ipPKP | 07 50 28.8 D | | | | |
| | | ipPKP | 07 52 11.3 | | | | |
| | | Tonga-Kermadec Islands. h = 440 km (Up,Ud,De). | | | | | |
| " | 11 | Up iP | 09 17 13.2 | " | 11 | Ud i(P) | 15 38 30.1 |
| | | Ki eP | 09 17 21 | " | 11 | Um iSgl | 16 59 53.3 |
| | | Sk eP | 09 17 39 | | | Lake Ladoga region. Explosion. | |
| | | Um iP | 09 17 10.5 | | | | |
| | | Ud iP | 09 17 28.6 | | | | |
| | | De iP | 09 17 25.9 | " | 11 | Up iSgl | 17 37 41.0 |
| | | Hindu Kush (h = 270 km). | | | | Sk iSgl | 17 35 43.4 |
| | | | | | | i | 17 35 50.8 |
| " | 11 | Um iSgl | 13 03 19.7 | | | Um iSn | 17 35 51.2 |
| | | Ud iSgl | 13 03 51.1 | | | iSgl | 17 36 04.2 |
| | | Esthonia. Explosion. | | | | Ud iSgl | 17 37 28.5 |
| " | 11 | De i(P) | 13 23 09.8 | | | Nordland, Norway, 66.5°N, 14.2°E. Origin time = 17 34 07. Explosion. | |
| " | 11 | Up iP | 13 35 03.7 C | " | 11 | Um iPKP | 21 21 16.0 |
| | | iPcP | 13 35 41.7 | | | iPKKP | 21 31 23.1 |
| | | iP'P' | 14 04 12.2 | | | Ud ePKP | 21 21 10 |
| | | | micr sec | | | iPKKP | 21 31 48.3 |
| | | P | Z' 0.1 1.0 | | | Chile-Argentina (h = 110 km). | |
| | | Mx | E 0.7 18 | " | 11 | Ud ePKP | 21 57 17 |
| | | Mx | N 0.9 20 | | | De iPKP | 21 57 28.0 |
| | | Mx | Z 1.1 20 | " | 12 | Ud iP | 01 53 10.9 |
| | | Ki iP | 13 34 09.2 C | | | i | 01 53 22.4 |
| | | iPcP | 13 35 13.3 | " | 12 | Ud iP | 02 29 32.0 |
| | | | micr sec | " | 12 | Up iPgl | 05 36 38.9 |
| | | P | Z' 0.1 0.8 | | | iSgl | 05 36 56.8 |
| | | Mx | E 1.2 18 | | | iSn | 05 37 00.9 |
| | | Mx | N 0.8 17 | | | iRg | 05 37 04.5 |
| | | Mx | Z 0.7 13 | | | Sk eSgl | 05 38 18 |
| | | Sk iF | 13 34 46.1 C | | | Um iSgl | 05 38 39.7 |
| | | iPcP | 13 35 32.5 | | | Ud iPgl | 05 36 26.3 |
| | | Um iP | 13 34 34.9 C | | | iSgl | 05 36 36.0 |
| | | Ud iP | 13 35 07.0 C | | | (cont.) | |
| | | iPcP | 13 35 44.8 | | | | |
| | | iP'P' | 14 04 19.0 | | | | |
| | | De iP | 13 35 29.0 | | | | |
| | | Kamchatka (h = N). m = 6.0, M = 5.1 (Up,Ki). | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|---------|-------|-------------------------------|----|----|------|------------------------------|------------------------------|
| Aug. | 12 | (cont.) | | Aug. | 12 | Ki | iPn | 13 01 04.3 | |
| | | Ud | iRg | | | | iSn | 13 01 53.4 | |
| | | | | | | Um | iSgl | 13 03 40.0 | |
| | | | | | | | | Northwest USSR-Norway border | |
| | | | | | | | | region, 69.5°N, 31.1°E. | |
| | | | | | | | | Origin time = 13 00 00. | |
| | | | | | | | | Explosion. | |
| " | 12 | Um | i(P) | | 12 | Ud | i(P) | 13 18 04.1 | |
| " | 12 | Up | iP | 09 53 04.3 C | " | 12 | Up | | |
| | | | ipP | 09 53 13.5 | | | | micr sec | |
| | | | iS | 10 02 00 | | | Mx | E 1.1 23 | |
| | | | | micr sec | | | Mx | N 0.7 20 | |
| | | | P | Z' 0.6 1.0 | | | Mx | Z 3.0 24 | |
| | | | Mx | E 2.7 20 | | Ki | eP | 13 28 48 | |
| | | | Mx | N 3.8 21 | | | iSKS | 13 39 24 | |
| | | | Mx | Z 3.8 19 | | | | micr sec | |
| | | Ki | iP | 09 52 11.2 C | | | Mx | E 1.2 18 | |
| | | | ipP | 09 52 22.2 | | | Mx | N 1.7 22 | |
| | | | iS | 10 00 20 | | | Mx | Z 1.3 23 | |
| | | | | micr sec | | Sk | eP | 13 28 37 | |
| | | | P | Z' 0.2 1.0 | | | ipP | 13 28 42.1 | |
| | | | Mx | E 3.0 17 | | Um | iP | 13 28 50.8 | |
| | | | Mx | N 3.9 20 | | | ipP | 13 28 59.1 | |
| | | | Mx | Z 3.8 18 | | | iSKS | 13 39 25 | |
| | | Sk | iP | 09 52 43.6 | | Ud | ipP | 13 28 47.2 | |
| | | | ipP | 09 52 53.1 | | | | South of Panama. | |
| | | Um | iP | 09 52 36.2 | | | | h = 30 km (Um). | |
| | | | ipP | 09 52 47.0 | | | | M = 5.4 (Up,Ki). | |
| | | | iS | 10 01 07.3 | | | | | |
| | | | ip'P' | 10 21 21.3 | " | 12 | Up | eP | 14 25 43 |
| | | Ud | iP | 09 53 05.0 C | | | Ki | iP | 14 25 28.5 |
| | | | ipP | 09 53 13.0 | | | | i | 14 25 31.3 |
| | | De | iP | 09 53 26.7 | | | Sk | eP | 14 25 49 |
| | | | ipP | 09 53 35.9 | | | Um | iP | 14 25 33.1 D |
| | | | | Aleutian Islands. | | | Ud | iP | 14 25 51.0 D |
| | | | | h = 35 km (Up,Ki,Sk,Um,Ud, | | | De | iP | 14 25 56.5 |
| | | | | De). | | | | | Celebes (h = 130 km). |
| | | | | m = 6.5, M = 5.7 (Up,Ki). | " | 12 | Ki | iPn | 16 45 18.8 |
| " | 12 | Up | iP | 11 31 26.6 | | | | iSn | 16 46 04.1 |
| | | Um | eP | 11 31 02 | | | | iSgl | 16 46 20.6 |
| | | | iPcP | 11 31 39.2 | | | Um | iSgl | 16 47 47.1 |
| | | Ud | iP | 11 31 27.2 | | | | | Northwest USSR-Norway border |
| | | | | Aleutian Islands (h = 45 km). | | | | | region, 69.3°N, 30.1°E. |
| | | | | | | | | | Origin time = 16 44 19. |
| " | 12 | Up | iP | 12 45 09.9 | | | | | Explosion. |
| | | Ki | iP | 12 44 15.4 | " | 12 | Ud | iPKP | 16 50 25.2 |
| | | | | micr sec | | | De | iPKP | 16 50 33.3 |
| | | | P | Z' 0.1 0.7 | | | | | Tonga-Kermadec Islands |
| | | | Mx | E 0.5 17 | | | | | (h = 130 km). |
| | | | Mx | N 0.7 17 | " | 12 | Up | iP | 17 20 05.7 |
| | | | Mx | Z 0.5 17 | | | Sk | iP | 17 19 46.5 |
| | | Sk | eP | 12 44 47 | | | Ud | eP | 17 19 55 |
| | | Um | iP | 12 44 42.4 | | | | | Mexico (h = 80 km). |
| | | Ud | iP | 12 45 08.6 | | | | | |
| | | De | iP | 12 45 31.7 | | | | | |
| | | | | Unimak Island (h = N). | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|----|------|-------------------------|------|----|-------------------------------|
| Aug. | 12 | Up | iP | 21 46 19.5 | Aug. | 13 | (cont.) |
| | | Ki | eP | 21 45 25 | | | Central Sweden, |
| | | Um | iP | 21 45 52.4 | | | 59.8°N, 14.9°E. |
| | | Ud | iP | 21 46 18.0 | | | Origin time = 06 29 52. |
| " | 12 | Um | iP | 23 14 06.8 | " | 13 | Ki iP 06 40 07.5 |
| | | Ud | iP | 23 14 32.3 | | | Ud iP 06 40 15.5 |
| " | 12 | Up | iP | 23 52 25.8 | | | Hindu Kush. |
| | | | | micr sec | | | Intermediate depth. |
| | | P | Z' | 0.1 1.0 | " | 13 | Up iP 08 17 19.7 |
| | | Mx | E | 0.8 14 | | | Ki iP 08 16 33.6 |
| | | Mx | N | 0.7 8 | | | Sk eP 08 17 10 |
| | | Mx | Z | 1.2 9 | | | Um iP 08 16 54.5 D |
| | | Ki | eP | 23 53 38 | | | Ud iP 08 17 25.9 D |
| | | | | micr sec | | | De iP 08 17 43.5 |
| | | Mx | E | 1.0 14 | | | Okhotsk Sea (h = 420 km). |
| | | Mx | N | 0.7 9 | " | 13 | Up iP 08 23 25.6 |
| | | Mx | Z | 0.5 8 | | | Sk iP 08 23 06.6 |
| | | Sk | iP | 23 53 04.8 | | | Um iP 08 23 21.9 |
| | | Um | iP | 23 53 00.5 | " | 13 | Up iP 09 12 28.4 |
| | | | ipP | 23 53 04.3 | | | Ki iP 09 12 36.7 |
| | | | iPP | 23 53 28.4 | | | Um iP 09 12 22.4 |
| | | | iS | 23 57 09 | | | Ud iP 09 12 44.9 C |
| | | Ud | iP | 23 52 28.1 | | | De iP 09 12 41.9 |
| | | De | iP | 23 51 51.4 | | | Afghanistan-USSR (h = N). |
| | | | ipP | 23 51 54.6 | " | 13 | Sk iP 09 52 53.8 |
| | | | iPP | 23 52 15.6 | | | Okhotsk Sea. |
| | | | i | 23 52 35.5 | " | 13 | Up iP 10 13 54.0 C |
| | | | | | | | Ki ePKP 10 13 37 |
| | | | | | | | Sk iP 10 13 46.8 |
| | | | | | | | Um iP 10 13 41.9 |
| | | | | | | | Ud iP 10 13 55.7 |
| | | | | | | | De iP 10 14 03.5 |
| | | | | | | | i 10 14 14.8 |
| | | | | | | | Kermadec Islands (h = 40 km). |
| " | 13 | Ud | eP | 02 08 06 | " | 13 | Up ePKP 10 17 47 |
| | | | | Japan (h = 20 km). | | | Sk iP 10 17 38.6 |
| " | 13 | Ud | iP | 02 09 23.6 | | | Ud iP 10 17 47.2 |
| " | 13 | Up | iP | 02 25 53.6 | | | i 10 18 03.5 |
| | | Ki | iP | 02 25 42.2 | | | De ePKP 10 18 01 |
| | | Ud | iP | 02 26 07.5 | | | i 10 18 12.6 |
| " | 13 | Ki | eP | 02 39 47 | | | Kermadec Islands. |
| | | Sk | eP | 02 40 16 | | | Origin time = 09 58 06. |
| | | Um | iP | 02 40 15.6 | " | 13 | Ud iP 10 40 34.8 |
| | | Ud | iP | 02 40 39.4 | " | 13 | Ud ePKP 10 48 53 |
| | | De | iP | 02 41 02.6 | | | De ePKP 10 49 05 |
| | | | | Gulf of Alaska (h = N). | " | 13 | Ud iP 11 24 53.6 |
| " | 13 | Up | iPgl | 06 30 14.0 | | | Kurile Islands. |
| | | | iSgl | 06 30 31.4 | | | |
| | | | iSn | 06 30 35.4 | | | |
| | | | iRg | 06 30 38.9 | | | |
| | | Um | iSgl | 06 32 10.8 | | | |
| | | Ud | iPgl | 06 30 01.6 | | | |
| | | | iSgl | 06 30 10.5 | | | |
| | | | iRg | 06 30 13.4 | | | |

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | | | |
|------|----|----|--|--------------|------|----|----|----|---|------|----------------|
| Aug. | 13 | Ki | iSn | 12 05 18.3 | Aug. | 14 | Ud | iP | 05 43 11.7 | | |
| | | | iS* | 12 05 37.2 | | | " | 14 | Um | i(P) | 06 11 12.1 |
| | | Um | iSg1 | 12 06 32.7 | | | " | 14 | Ki | iPKP | 06 58 43.4 |
| | | | Northwest USSR. Explosion. | | | | | | | | micr sec |
| " | 13 | Up | iPKP | 12 06 59.8 | | | | | | | Z' 0.1 1.0 |
| | | | PKP | Z' 0.1 1.0 | | | | | Um | iPKP | 06 58 36.5 |
| | | | Mx | E 0.6 21 | | | | | Ud | iPP | 06 59 52.3 |
| | | | Mx | Z 1.1 21 | | | | | South Sandwich Islands (h = 110 km). | | |
| | | Ki | iPKP | 12 07 10.2 | | | " | 14 | Up | iP | 07 23 55.6 |
| | | | PKP | Z' 0.1 1.2 | | | | | | | micr sec |
| | | Sk | iPKP | 12 06 59.5 | | | | | | | P Z' 0.1 1.1 |
| | | Um | iPKP | 12 07 06.2 | | | | | Ki | iP | 07 24 03.1 |
| | | Ud | iPKP | 12 06 56.7 | | | | | Sk | iP | 07 24 21.2 |
| | | De | iPKP | 12 06 54.2 | | | | | Um | iP | 07 23 53.1 |
| | | | Chile (h = N). | | | | | | Ud | iP | 07 24 12.1 C |
| | | | | | | | | | De | iP | 07 24 09.2 |
| " | 13 | Up | ePKP | 15 32 45 | | | | | Afghanistan-USSR (h = 130 km). | | |
| | | Sk | iPKP | 15 32 37.5 | | | " | 14 | Ki | eP | 10 57 54 |
| | | Ud | iPKP | 15 32 46.9 | | | | | Sk | iP | 10 57 26.8 |
| " | 13 | Up | iPKP | 15 33 30.5 | | | | | Ud | iP | 10 57 35.9 |
| | | Sk | iPKP | 15 33 24.4 | | | | | Caribbean Sea (h = 20 km). | | |
| | | Um | iPKP | 15 33 18.6 | | | " | 14 | Ki | ePKP | 12 04 49 |
| | | | i | 15 33 39.1 | | | | | Sk | ePKP | 12 04 59 |
| | | Ud | iPKP | 15 33 33.7 | | | | | Um | iPKP | 12 04 53.5 |
| | | | ipPKP | 15 33 50.7 | | | | | Ud | iPKP | 12 04 56.1 |
| | | De | iPKP | 15 33 41.8 | | | | | De | iPKP | 12 05 04.3 |
| | | | ipPKP | 15 33 59.4 | | | | | Fiji Islands (h = 620 km). | | |
| " | 13 | Up | ePKP | 16 17 45 | | | " | 14 | Up | iP | 14 46 21.2 |
| | | Sk | ePKP | 16 17 36 | | | | | Ki | iP | 14 46 22.7 |
| | | Ud | ePKP | 16 17 48 | | | | | Sk | iP | 14 46 37.1 |
| " | 13 | Ud | iP | 17 46 30.0 | | | | | Um | iP | 14 46 18.1 |
| " | 13 | Um | iP | 17 58 36.3 | | | | | Ud | iP | 14 46 32.3 |
| " | 13 | Up | i(P) | 19 27 34.0 C | | | | | De | iP | 14 46 30.9 |
| | | | | | | | | | Sumatra. | | |
| " | 14 | Um | iP | 02 12 40.9 | | | " | 14 | Up | iP | 14 46 51.9 |
| | | | Okhotsk Sea. Deep. | | | | | | Ki | iP | 14 46 52.8 |
| | | | | | | | | | Sk | eP | 14 47 07 |
| " | 14 | Um | iP | 02 26 15.9 | | | | | Um | iP | 14 46 46.3 |
| | | | | | | | | | Ud | iP | 14 47 00.6 |
| " | 14 | Um | iPKP | 04 16 22.9 | | | | | De | eP | 14 47 00 |
| | | Ud | ePKP | 04 16 33 | | | | | Sumatra. Origin time = 14 34 51. | | |
| | | | Santa Cruz Islands (h = N). | | | | " | 14 | Up | iP | 15 46 47.4 |
| " | 14 | Up | ePKP | 04 48 56 | | | | | Ki | iP | 15 46 32.0 |
| | | Ki | ePKP | 04 49 10 | | | | | | | micr sec |
| | | Um | iPKP | 04 49 04.2 | | | | | | | P Z' 0.1 1.1 |
| | | Ud | iPKP | 04 48 54.1 | | | | | Sk | iP | 15 46 52.9 |
| | | | South Sandwich Islands (h = 50 km). | | | | | | Um | iP | 15 46 36.9 |
| | | | | | | | | | | | ipP 15 46 44.5 |

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 14 (cont.)
 Ud iP 15 46 55.9
 De iP 15 47 02.9
 Molucca Passage.
 h = 30 km (Um).

" 14 Up iP 16 03 15.7
 Um iP 16 03 40.4

" 14 De i(P) 17 30 36.1

" 14 Up iP 18 40 28.8
 Ki iP 18 39 57.9 D
 Sk iP 18 40 26.1 D
 Um iP 18 40 11.0 D
 Ud iP 18 40 35.7 D
 De iP 18 40 47.5
 South of Japan (h = 560 km).

" 14 Up e(P) 19 27 20
 Sk eP 19 27 47
 Um iP 19 27 46.3
 Ud iP 19 27 14.8
 i 19 27 18.6
 Ionian Sea.

" 14 Up iP 21 37 49.8
 Ud eP 21 37 51

" 14 Um iP 21 56 38.9

" 14 Up iPP 22 49 02.1
 micr sec
 PP Z' 0.1 1.5
 Mx E 1.0 20
 Mx N 1.0 22
 Mx Z 2.3 21
 Ki iP 22 43 44.7
 micr sec
 Mx E 1.7 19
 Mx N 1.2 21
 Mx Z 1.3 19
 Sk e(PP) 22 48 06
 Um i(PP) 22 47 46.5
 Ud iPP 22 49 17.4
 New Guinea (h = 45 km).
 M = 5.6 (Up,Ki).
 The phases (PP) at Sk and
 Um denote early PP arrivals.

" 15 De iP KP 04 08 56.7
 Fiji Islands (h = 570 km).

" 15 Up iP 11 06 34.4 D
 micr sec
 P Z' 0.2 0.8
 Ki iP 11 05 42.7 D
 (cont.)

1972

Aug. 15 (cont.)
 Ki micr sec
 P Z' 0.2 1.0
 Sk iP 11 06 04.3 D
 Um iP 11 06 10.2 D
 ipP 11 06 15.3
 Ud iP 11 06 28.5 D
 ipP 11 06 33.2
 De iP 11 06 51.7 D
 ipP 11 06 57.7

Alaska.
 h = 20 km (Um,Ud,De).
 m = 6.3 (Up,Ki).

" 15 Um iP 16 16 32.7

" 15 Ki eP 17 49 59
 i 17 50 07.9
 i 17 50 13.0
 Sk iP 17 50 19.8
 iS 17 52 02.4
 Um iP 17 50 40.9
 Ud iP 17 51 07.7

ESE of Jan Mayen, near
 71° 1/2'N, 1° E.
 Origin time = 17 48 09.
 By combination with Finnish
 and Norwegian readings.

" 15 Up iP 18 26 22.7
 Um iP 18 25 51.2
 i 18 26 03.6
 Ud iP 18 26 29.4
 South of Japan (h = N).

" 15 Up e(pP) 21 48 49
 Ki iP 21 47 40.0
 Sk iP 21 48 08.7
 Um iP 21 48 10.3
 Ud iP 21 48 34.9
 Alaska (h = 20 km).

" 15 Um iP 23 02 08.6
 Ud iP 23 02 39.6
 (Kurile Islands).

" 16 Up iP 03 23 52.9 C
 iPn 03 24 58.4
 iPP 03 25 11.7
 Ki iP 03 23 37.2 C
 iPn 03 24 37.9
 micr sec
 P Z' 0.1 0.5
 Sk iP 03 24 08.4 C
 iPP 03 25 30.9
 Um iP 03 23 37.8 C
 i 03 24 18.5
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 16 (cont.)
 Ud iP 03 24 09.1 C
 iPn 03 25 21.7
 De iP 03 24 16.1 C
 iPP 03 25 44.1
 Kazakh SSR.
 Underground explosion.

" 16 Ud iP 05 48 56.4

" 16 Ud iP 10 23 21.2

" 16 Um eP 10 36 50
 Ud iP 10 37 21.7
 Komandorsky Islands (h = N).

" 16 Up iSgl 11 22 06.9
 Ki iPn 11 17 50.3
 iPgl 11 18 04.2
 i(S) 11 18 43.4
 iSn 11 18 49.3
 iS* 11 19 08.7
 iSgl 11 19 13.1
 Sk iSgl 11 21 36.9
 Um iSn 11 19 28.2
 iSgl 11 20 04.4
 Ud iSgl 11 22 39.1
 De iSgl 11 24 06.4
 Northwest USSR,
 67.8°N, 34.1°E.
 Origin time = 11 16 32.
 Explosion.

" 16 Up iPKP 11 45 34.8
 micr sec
 PKP Z' 0.1 1.0
 Ki iPKP 11 45 33.7
 ipPKP 11 45 40.6
 micr sec
 pPKP Z' 0.2 1.4
 Mx E 0.8 19
 Mx N 0.9 20
 Mx Z 0.9 20
 Sk iPKP 11 45 43.5
 ipPKP 11 45 49.6
 Um iPKP 11 45 33.6
 ipPKP 11 45 39.4
 Ud ePKP 11 45 42
 ipPKP 11 45 46.2
 i 11 45 51.9
 De ePKP 11 45 39
 South of Australia.
 h = 25 km (Ki,Sk,Um).

" 16 Up iSgl 12 08 10.1
 Ki eSgl 12 10 30
 Um iSgl 12 08 37.9
 (cont.)

1972

Aug. 16 (cont.)
 Ud eSgl 12 09 09
 De eSgl 12 09 37
 Esthonia, 59.5°N, 25.7°E.
 Origin time = 12 06 00.
 Explosion.

" 16 Ki iP 12 43 03.6
 iS 12 44 13.4
 Sk iP 12 43 43.1
 iS 12 45 29.0

Probably northeast of Jan
 Mayen.

" 16 Up iSgl 12 57 13.0
 Ki e(Sgl) 12 59 15
 Um iSgl 12 57 33.0
 Ud iSgl 12 58 17.1
 iSg2 12 58 27.2
 De eSgl 12 58 43
 Western USSR.
 Explosion.

" 16 Um iP 14 05 29.5
 Ud iP 14 06 10.0

" 16 Ud iP 19 38 16.6
 Kurile Islands.

" 16 Ud iP 20 04 08.9

" 16 Up i(P) 20 54 20.2

" 16 Um iP 22 29 10.5

" 17 Um iP 02 33 11.7

" 17 Ki iP 03 28 48.3
 micr sec
 P Z' 0.1 0.8
 Ud iP 03 29 03.9
 Java (h = 100 km).

" 17 Up iP 06 32 09.9
 Ki eP 06 32 03
 i 06 32 05.6
 Um iP 06 32 03.4
 Ud iP 06 32 24.3
 i 06 32 26.5
 De iP 06 32 25.9
 i 06 32 28.6
 Sinkiang (h = N).

" 17 Up iP 09 35 56.3
 Ki iP 09 35 23.4
 Um iP 09 35 36.5
 Ud iP 09 36 04.1
 South of Japan (h = 470 km).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|-----|--------|----------------------------|------|----|---------|---------------------------|--------------------------|
| Aug. | 17 | Ud | iP | 10 21 09.9 | Aug. | 17 | (cont.) | | |
| " | 17 | Up | iPKP | 12 08 53.3 | | Um | iP | 23 58 50 | |
| | | Sk | ePKP | 12 08 48 | | | iPKP | 00 02 45.1 | |
| | | Um | iPKP | 12 08 43.6 | | | iPP | 00 03 31 | |
| | | Ud | iPKP | 12 08 54.7 | | | iPKKP | 00 13 30.7 | |
| " | 17 | Up | iSgl | 12 20 40.8 | | Ud | e(P) | 23 59 20 | |
| | | Sk | eSgl | 12 19 53 | | | i | 23 59 22.8 | |
| | | Ud | i(Pgl) | 12 18 43.6 | | | iPKP | 00 02 54.2 | |
| | | | iSgl | 12 19 36.0 | | | iPP | 00 04 07.1 | |
| | | | | Southwest coast of Norway. | | | iPKKP | 00 13 15.9 | |
| " | 17 | Up | i(P) | 15 29 43.1 | | De | iPKP | 00 02 58.1 | |
| | | | | | | | iPKKP | 00 13 05.5 | |
| | | | | | | | | New Britain (h = 10 km). | |
| | | | | | | | | m = 7.3, M = 7.0 (Up,Ki). | |
| " | 17 | Ki | iP | 17 14 10.7 | " | 18 | De | iPKP | 01 30 50.1 |
| | | Ud | iP | 17 13 13.7 | | | | | New Britain (h = 35 km). |
| | | De | eP | 17 12 43 | | | | | |
| | | | | Aegean Sea. | " | 18 | Up | iPKP | 01 53 24.4 |
| " | 17 | Up | iP | 18 23 13.0 | | | Ki | ePKP | 01 53 40 |
| | | Ki | iP | 18 23 17.7 | | | Um | iPKP | 01 53 30.8 |
| | | Sk | iP | 18 23 35.8 | | | Ud | iPKP | 01 53 22.6 |
| | | Um | iP | 18 23 12.6 | | | | | South Sandwich Islands |
| | | Ud | iP | 18 23 28.3 C | | | | | (h = 60 km). |
| | | De | eP | 18 23 24 | " | 18 | Ud | iP | 04 27 16.2 |
| | | | | Himalaya. | " | 18 | Um | i(P) | 06 29 45.1 |
| " | 17 | Ud | iP | 23 54 54.5 | " | 18 | Ki | iP | 08 13 48.3 |
| " | 17 | Up | iP | 23 59 05 | | | | iS | 08 15 36.0 |
| | | | iPKP | 00 02 51.3 | | | Sk | iP | 08 13 54.7 |
| | | | iPP | 00 03 55 | | | | eS | 08 15 41 |
| | | | iPKKP | 00 13 19.8 | | | Um | iP | 08 14 16.1 |
| | | | | micr sec | | | | | East of Jan Mayen, near |
| | | P | Z' | 0.1 1.0 | | | | | 70°1/2N, 4°W. |
| | | PKP | Z' | 0.1 0.9 | | | | | Origin time = 08 11 37. |
| | | PP | Z' | 1.2 2.0 | " | 18 | Up | iP | 08 15 03.1 |
| | | Mx | E | 20 18 | | | Ud | iP | 08 15 11.6 |
| | | Mx | N | 29 19 | | | | | Ionian Sea. |
| | | Mx | Z | 50 19 | | | | | Complications with |
| | | Ki | iP | 23 58 38 | | | | | preceding record. |
| | | | i | 23 58 45.2 | " | 18 | Um | i(P) | 09 30 55.9 |
| | | | i(PKP) | 00 02 27.4 | " | 18 | Sk | e(P) | 10 12 22 |
| | | | iPKP | 00 02 40.3 | | | Um | i(P) | 10 11 54.9 |
| | | | iPP | 00 03 16 | | | Ud | iP | 10 11 50.9 C |
| | | | iPKKP | 00 13 28.4 | | | | | Pakistan. |
| | | | | micr sec | " | 18 | Ki | iP | 10 30 04.2 |
| | | P | Z' | 0.1 1.2 | | | Um | iP | 10 30 23.3 |
| | | PKP | Z' | 0.2 1.0 | " | 18 | Ki | iPKP | 10 37 56.5 |
| | | Mx | E | 23 18 | | | | | New Britain (h = 10 km). |
| | | Mx | N | 54 22 | | | | | |
| | | Mx | Z | 17 18 | | | | | |
| | | Sk | e(P) | 23 59 13 | | | | | |
| | | | i(PKP) | 00 02 33.9 | | | | | |
| | | | iPKP | 00 02 51.2 | | | | | |
| | | | iPKKP | 00 13 20.6 | | | | | |
| | | | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | |
|------|----|--|-------|-------|---------|------|--|--|
| Aug. | 18 | Up | iP | 11 26 | 55.7 | Aug. | 18 (cont.) | |
| | | | iPP | 11 27 | 20.7 | | Um iSgl 20 57 59.4 | |
| | | Sk | eP | 11 27 | 32 | | Ud iPgl 20 55 31.4 | |
| | | Um | iP | 11 27 | 26.1 | | iSgl 20 55 52.1 | |
| | | Ud | iP | 11 27 | 08.8 | | De iSgl 20 57 21.6 | |
| | | Ionian Sea. | | | | | Southern Norway, 60.5°N, 10.7°E. Origin time = 20 55 05. Solution checked with Bergen and Kongsberg readings. | |
| " | 18 | Ud | iSgl | 13 26 | 47.0 | " | 18 Up iP 21 10 33.7 | |
| | | De | ePgl | 13 26 | 04 | | Ki iP 21 10 37.3 | |
| | | | iSgl | 13 26 | 28.0 | | Sk eP 21 10 23 | |
| | | | i(Rg) | 13 26 | 36.3 | | Um iP 21 10 39.2 | |
| | | Off coast of Bohuslän, Sweden. Origin time = 13 26 25. Explosion. | | | | | Ud iP 21 10 24.6 | |
| " | 18 | Ki | iP | 13 58 | 09.8 | | De eP 21 10 27 | |
| | | | i | 13 58 | 13.8 | | Colombia (h = 160 km). | |
| | | Um | iP | 13 58 | 41.6 | " | 18 Up i(P) 21 53 19.4 | |
| " | 18 | Up | iP | 15 18 | 29.0 | " | 19 Ud eP 00 24 21 | |
| | | Um | iP | 15 18 | 14.2 | " | 19 Ud iP 01 26 45.7 | |
| | | Ud | iP | 15 18 | 38.0 | " | 19 Ud iP 05 18 19.9 | |
| " | 18 | Up | iP | 15 47 | 22.6 | " | 19 Ud iP 06 51 55.4 | |
| | | Ki | iP | 15 46 | 42.4 | | Greece. | |
| | | Um | i(P) | 15 46 | 57.2 | " | 19 Ud iP 07 12 37.6 | |
| | | Ud | iP | 15 47 | 28.4 | " | 19 Ud iPgl 13 04 48.4 | |
| | | De | eP | 15 47 | 58 | | De iPgl 13 01 29.0 | |
| | | Kurile Islands. | | | | | iPP 13 05 06.7 | |
| " | 18 | Um | iP | 18 26 | 49.2 | | Tonga Islands (h = 320 km). | |
| " | 18 | Um | iPKP | 18 37 | 58.7 | " | 19 Ud iPgl 13 51 58.9 | |
| | | New Britain (h = 45 km). | | | | | iSgl 13 52 22.3 | |
| " | 18 | Up | iP | 18 54 | 18.8 | | De e(Sgl) 13 52 54 | |
| | | Ki | iP | 18 53 | 55.8 | " | 19 Up iP 16 00 53.2 | |
| | | Ud | iP | 18 54 | 30.1 | " | 19 Ud iPgl 16 42 17 | |
| | | Ryukyu Islands (h = N). | | | | | iSgl 16 42 41.3 | |
| " | 18 | Up | iP | 19 12 | 28.7 | | De e(Sgl) 16 43 20 | |
| | | | | micr | sec | " | 19 Um iP 18 01 01.3 | |
| | | | P | Z' | 0.1 1.0 | | i 18 01 10.5 | |
| | | Ki | iP | 19 11 | 34.8 | | Kurile Islands. | |
| | | | | micr | sec | " | 19 Ud iP 18 05 34.9 | |
| | | | P | Z' | 0.1 1.0 | | Kurile Islands (h = N). | |
| | | Sk | iP | 19 12 | 11.2 | " | 19 Um iP 22 26 33.0 | |
| | | Um | iP | 19 12 | 00.1 | | | |
| | | Ud | iP | 19 12 | 32.1 C | | | |
| | | De | iP | 19 12 | 54.0 | | | |
| | | Kamchatka (h = N). m = 5.9 (Up,Ki). | | | | | | |
| " | 18 | Up | iSgl | 20 56 | 54.7 | | | |
| | | Sk | iSgl | 20 56 | 44.3 | | | |
| | | (cont.) | | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | | | | | 1972 | | |
|------|----|-----------------------------|------|--------|------|----------|--|------|----------------------------|-----------------|
| Aug. | 19 | Up | iP | 23 31 | 52.1 | C | | | Aug. 20 | (cont.) |
| | | Um | iP | 23 31 | 27.3 | C | | | Ki | |
| | | | ipP | 23 31 | 38.8 | | | | | micr sec |
| | | Ud | iP | 23 31 | 58.1 | C | | | PP | Z' 1.5 1.3 |
| | | | ipP | 23 32 | 09.5 | | | | Mx | N 1.9 6 |
| | | De | iP | 23 32 | 16.9 | C | | | Sk | iP 03 05 13.4 C |
| | | Kurile Islands. | | | | | | | | iSn 03 09 46.5 |
| | | h = 40 km (Um,Ud). | | | | | | | | iLg2 03 12 49.4 |
| " | 19 | Up | iP | 23 47 | 18.2 | | | | Um | iP 03 04 40.4 C |
| | | Sk | eP | 23 47 | 13 | | | | | iSn 03 08 38.2 |
| | | Um | iP | 23 46 | 58.7 | | | | | iLg2 03 11 12.5 |
| | | Ud | iP | 23 47 | 25.2 | | | | Ud | iP 03 04 57.7 C |
| | | South of Japan (h = 25 km). | | | | | | | | iLg2 03 12 01.4 |
| " | 20 | Up | iPn | 02 53 | 11.5 | | | | De | e(P) 03 04 49 |
| | | | i | 02 53 | 17.5 | | | | | iP 03 04 50.2 C |
| | | | iSn | 02 53 | 37.7 | | | | | iSn 03 08 45.2 |
| | | | iSgl | 02 53 | 44.0 | | | | | iLg2 03 11 33.3 |
| | | | | | | micr sec | | | North of the Caspian Sea. | |
| | | Ki | Sn | Z' 0.1 | 0.5 | | | | m = 6.2 (Up,Ki). | |
| | | | eS* | 02 55 | 45 | | | | Underground explosion. | |
| | | | iSgl | 02 55 | 52.9 | | | | (P) at Up and De denote a | |
| | | Sk | iPgl | 02 53 | 24.2 | | | | small-amplitude precursor, | |
| | | | i | 02 53 | 29.5 | | | | preceding the main onset | |
| | | | iS* | 02 53 | 58.7 | | | | by about 2 sec. | |
| | | | iSgl | 02 54 | 01.8 | | | | " | 20 |
| | | Um | iPgl | 02 53 | 16.6 | | | | Um | iP |
| | | | i | 02 53 | 19.6 | | | | | 04 01 17.2 |
| | | | i | 02 53 | 23.1 | | | | " | 20 |
| | | | iSn | 02 53 | 44.8 | | | | Up | iP |
| | | | iS* | 02 53 | 47.7 | | | | | 05 23 55.1 |
| | | | iSgl | 02 53 | 51.6 | | | | Ki | iP |
| | | Ud | iPn | 02 53 | 15.8 | | | | | 05 23 39.4 |
| | | | i | 02 53 | 23.3 | | | | | micr sec |
| | | | iSn | 02 53 | 46.5 | | | | Um | iP |
| | | | iSgl | 02 53 | 52.7 | | | | | Z' 0.1 1.2 |
| | | De | iSgl | 02 55 | 31.0 | | | | Um | iP |
| | | Hälsingland, Sweden, | | | | | | | Ud | iP |
| | | 61.9°N, 16.8°E. | | | | | | | | 05 24 03.5 |
| | | Origin time = 02 52 35. | | | | | | | Halmahera (h = 55 km). | |
| | | Felt. | | | | | | | " | 20 |
| " | 20 | Up | i(P) | 03 04 | 33.0 | | | | Ki | i(P) |
| | | | iP | 03 04 | 35.1 | C | | | | 06 10 03.0 |
| | | | iPP | 03 04 | 49.4 | | | | Um | i(P) |
| | | | i | 03 05 | 28.7 | | | | | 06 10 29.5 |
| | | | iSn | 03 08 | 15.9 | | | | " | 20 |
| | | | iLg2 | 03 10 | 51.1 | | | | Up | iP |
| | | | | | | micr sec | | | | 08 20 48.2 C |
| | | | P | Z' 1.0 | 1.1 | | | | | micr sec |
| | | | PP | Z' 1.4 | 1.0 | | | | | Z' 0.2 1.2 |
| | | Ki | iP | 03 05 | 04.6 | | | | Ki | iP |
| | | | iPP | 03 05 | 25.1 | | | | | 08 19 55.0 C |
| | | | iSn | 03 09 | 20.3 | | | | | micr sec |
| | | | | | | micr sec | | | | Z' 0.1 1.2 |
| | | | P | Z' 1.2 | 1.1 | | | | Sk | eP |
| | | (cont.) | | | | | | | Um | iP |
| | | | | | | | | | | 08 20 31 C |
| | | | | | | | | | Ud | iP |
| | | | | | | | | | | 08 20 20.1 C |
| | | | | | | | | | De | iP |
| | | | | | | | | | | 08 20 51.4 C |
| | | | | | | | | | Kamchatka (h = N). | |
| | | | | | | | | | m = 6.0 (Up,Ki). | |
| | | | | | | | | | " | 20 |
| | | | | | | | | | Up | iSgl |
| | | | | | | | | | | 09 03 17.3 |
| | | | | | | | | | Ki | eSgl |
| | | | | | | | | | | 09 05 36 |
| | | | | | | | | | Um | iSgl |
| | | | | | | | | | | 09 03 37.5 |
| | | | | | | | | | Ud | iSgl |
| | | | | | | | | | | 09 04 18.5 |
| | | | | | | | | | Estonia, 59.6°N, 26.2°E. | |
| | | | | | | | | | Origin time = 09 01 00. | |
| | | | | | | | | | Explosion. | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|-------------------------------|-----------------|------|----|-----------------------------|------------------|
| Aug. | 21 | (cont.) | | Aug. | 22 | | |
| | | Um | iP 14 34 27.7 | | | Um | iP 21 52 13.1 |
| | | Ud | iP 14 34 50.8 | | | Ud | iP 21 52 29.7 |
| | | Burma-India (h = N). | | | " | 22 | Um iP 22 06 32.8 |
| " | 21 | Ki | eP 19 04 48 | " | 22 | Ki | iP 22 59 08.9 |
| | | Um | iP 19 04 45.0 | | | | i 22 59 11.7 |
| | | Ud | iP 19 05 05.1 | | | Ud | iP 23 00 00.9 |
| | | Sikkim (h = N). | | | | South of Japan (h = 30 km). | |
| " | 21 | Ki | eP 22 07 54 | " | 22 | Um | iP 23 00 10.2 |
| | | Ud | iP 22 07 58.3 | | | | |
| " | 21 | Ki | iP 22 10 38.9 | " | 23 | Um | iP 00 17 28.7 |
| | | South of Java (h = 60 km). | | " | 23 | Up | iP 08 57 31.0 C |
| " | 21 | Up | iP 23 06 39.2 | | | | P Z' 0.2 0.8 |
| | | Ud | iP 23 06 52.5 | | | Ki | iP 08 56 35.1 C |
| | | Crete. | | | | | P Z' 0.5 1.0 |
| " | 22 | Ud | iP 04 16 33.1 | | | Sk | iP 08 57 03.4 C |
| | | Aleutian Islands (h = 50 km). | | | | | iPcP 08 57 53.7 |
| " | 22 | Up | iP 05 42 17.9 | | | Um | iP 08 57 04.2 C |
| | | | ipP 05 42 28.6 | | | | ipP 08 57 22.3 |
| | | | micr sec | | | | iPcP 08 57 54.8 |
| | | | pP Z' 0.1 1.1 | | | Ud | iP 08 57 27.8 C |
| | | Ki | iP 05 41 46.4 | | | De | iP 08 57 51.9 C |
| | | Sk | eP 05 42 15 | | | | iPcP 08 58 23.7 |
| | | Um | iP 05 41 59.4 | | | Kodiak Island. | |
| | | Ud | iP 05 42 24.0 | | | h = 70 km (Um). | |
| | | De | iP 05 42 35.2 | | | m = 6.4 (Up,Ki). | |
| | | Volcano Islands. | | " | 23 | Sk | i(P) 10 49 01.4 |
| | | h = 40 km (Up). | | | | Kurile Islands. | |
| " | 22 | Ki | i(P) 13 05 44.9 | " | 23 | Up | iP 11 33 47.7 |
| " | 22 | Up | iP 14 30 57.6 | | | Ki | iP 11 33 15.6 |
| | | Ki | e(pP) 14 30 17 | | | Sk | iP 11 33 44.7 |
| | | Um | iP 14 30 29.4 | | | Um | iP 11 33 29.1 D |
| | | Ud | iP 14 30 59.5 | | | Ud | iP 11 33 55.3 |
| | | Kurile Islands (h = 60 km). | | | | De | iP 11 34 06.7 D |
| | | | | | | Bonin Islands (h = 390 km). | |
| " | 22 | Um | iP 14 47 11.5 | " | 23 | Up | iSg1 12 07 38.3 |
| " | 22 | Ud | iP 14 56 30.2 | | | Ki | i(S*) 12 09 39.6 |
| " | 22 | Ki | eP 15 20 03 | | | Sk | eSg1 12 09 27 |
| " | 22 | Ki | iP 16 42 47.6 | | | Um | iS* 12 07 57.6 |
| | | | i 16 43 10.2 | | | | iSg1 12 08 01.3 |
| | | Tien-Shan. | | | | Ud | iSg1 12 08 42.1 |
| " | 22 | Um | iP 18 19 48.2 | | | | iSg2 12 08 52.0 |
| | | Ud | eP 18 20 18 | | | De | eSg1 12 09 08 |
| | | Japan (h = 140 km). | | | | Western USSR. | |
| | | | | | | Explosion. | |
| " | 22 | Up | iP 12 13 16.5 | " | 23 | Up | iP 12 13 16.5 |
| | | Ki | iP 12 13 00.5 D | | | Ki | iP 12 13 00.5 D |
| | | | micr sec | | | | P Z' 0.1 1.0 |
| | | | | | | (cont.) | |

| | | | |
|---|---|--------------|--|
| Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary | | | |
| 1972 | | | |
| Aug. 23 | (cont.) | | |
| | Sk eP | 12 13 24 | |
| | Um iP | 12 13 05.7 D | |
| | Ud iP | 12 13 24.8 D | |
| | De iP | 12 13 31.0 | |
| | Halmahera (h = 110 km). | | |
| " 23 | Up iPgl | 15 16 22.2 | |
| | iSgl | 15 16 42.4 | |
| | Ud iPgl | 15 16 31.1 | |
| | iS* | 15 16 57.7 | |
| | iSgl | 15 16 58.8 | |
| | i | 15 17 18.3 | |
| | De iSgl | 15 17 06.0 | |
| | Östergötland, Sweden, 58.4°N, 16.3°E. Origin time = 15 15 56. | | |
| " 23 | Up iP | 18 03 59.1 C | |
| | i | 18 04 09.0 | |
| | iPP | 18 04 20.0 | |
| | iS | 18 06 34.5 | |
| | i | 18 06 55.7 | |
| | micr sec | | |
| | P | Z' 0.1 0.6 | |
| | PP | Z' 0.1 0.6 | |
| | Ki iP | 18 05 23.5 C | |
| | i | 18 05 25.5 | |
| | iS | 18 09 29.0 | |
| | micr sec | | |
| | P | Z' 0.2 0.6 | |
| | Sk iP | 18 04 53.8 C | |
| | iS | 18 08 37.1 | |
| | Um iP | 18 04 41.0 C | |
| | i | 18 04 45.9 | |
| | iSn | 18 07 55.2 | |
| | Ud iP | 18 04 13.7 | |
| | i | 18 04 17.8 | |
| | iSn | 18 07 08.2 | |
| | iS | 18 07 22.7 | |
| | De iP | 18 03 34.3 | |
| | i | 18 03 44.5 | |
| | Rumania (h = 80 km). m = 5.5 (Up,Ki). | | |
| " 23 | Ki iP | 19 20 08.7 | |
| | Sk eP | 19 20 36 | |
| | Um iP | 19 20 22.0 | |
| | Ud iP | 19 20 47.9 | |
| | Bonin Islands (h = N). | | |
| " 23 | Ud iP | 20 31 28.8 | |
| | Ionian Sea. | | |
| " 24 | Sk eP | 12 57 52 | |
| " 24 | Up i(P) | 13 56 35.2 | |
| 1972 | | | |
| Aug. 24 | Ki iP | 14 32 39.7 | |
| | Sk i(P) | 14 33 07.3 | |
| | Um i(P) | 14 32 51.0 | |
| | Sumatra (h = 70 km). | | |
| " 25 | Ki iP | 08 57 34.4 | |
| | Sk eP | 08 57 41 | |
| | iS | 08 59 46.3 | |
| | Um iS | 09 00 38.7 | |
| | i | 09 01 09.2 | |
| | Ud iP | 08 58 36.6 | |
| | Jan Mayen (h = N). | | |
| " 25 | Up iPKP | 14 27 37.2 | |
| | i | 14 27 47.2 | |
| | Ki iPKP | 14 27 18.7 | |
| | Sk iPKP | 14 27 34.4 | |
| | Um iPKP | 14 27 28.1 | |
| | i | 14 27 29.4 | |
| | Ud iPKP | 14 27 40.5 | |
| | i | 14 27 50.2 | |
| | De iPKP | 14 27 50.2 | |
| | i | 14 28 04.7 | |
| | South of Kermadec Islands (h = 110 km). The second phase at Up, Um, Ud and De belongs to the PKP1 branch. | | |
| " 25 | Ki eP | 18 14 06 | |
| | Sk eP | 18 14 36 | |
| | Um iP | 18 14 20.5 | |
| | Ud iP | 18 14 46.5 | |
| | South of Japan (h = 430 km). | | |
| " 25 | Ud eP | 18 51 04 | |
| | Hindu Kush (h = 130 km). | | |
| " 25 | Ki iP | 20 26 28.3 | |
| " 26 | Um iPKP | 00 26 19.5 | |
| | Kermadec Islands (h = 120 km). | | |
| " 26 | Ki iPKP | 02 58 11.1 | |
| | Um iPKP | 02 58 03.8 | |
| | South Sandwich Islands (h = N). | | |
| " 26 | Ud iP | 03 28 00.6 | |
| | Aleutian Islands (h = 30 km). | | |
| " 26 | Up iP | 03 53 49.8 C | |
| | iPn | 03 54 49.9 | |
| | Ki iP | 03 53 34.2 C | |
| | iPP | 03 54 48.3 | |
| | micr sec | | |
| | P | Z' 0.2 0.5 | |
| | (cont.) | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|---|-------------------|------|----|--|-------------------|
| Aug. | 26 | (cont.) | | Aug. | 26 | (cont.) | |
| | | Sk | iP 03 54 05.3 C | | | Off coast of southwest Norway. | |
| | | | iPn 03 55 20.3 | | | Poor agreement between data. | |
| | | Um | iP 03 53 34.9 C | | | | |
| | | | iPn 03 54 31.7 | | | | |
| | | | iPP 03 54 49.1 | | | | |
| | | Ud | iP 03 54 06.4 C | " | 26 | Up | iPKP 22 02 42.0 |
| | | De | iP 03 54 13.2 | | | | micr sec |
| | | | ePn 03 55 21 | | | | PKP Z' 0.1 0.9 |
| | | Kazakh SSR. Underground explosion. | | | | Um | ePKP 22 02 26 |
| " | 26 | Ud | iPKP 04 30 19.7 | | | Ud | iPKP 22 02 43.3 |
| | | De | iPKP 04 30 32.3 | | | De | ePKP 22 02 53 |
| | | New Guinea (h = N). | | | | Tonga-Kermadec Islands (h = 50 km). | |
| " | 26 | Ki | iP 04 53 07.3 | " | 27 | De | iP 01 06 54.0 |
| | | New Hebrides Islands (h = 120 km). | | " | 27 | De | eP 01 20 08 |
| " | 26 | Ki | ePKP 06 39 57 | " | 27 | Up | eP 03 01 21 |
| | | Aleutian Islands (h = 50 km). | | | | Sk | eP 03 02 02 |
| " | 26 | Up | iP 11 49 03.6 | | | Ud | iP 03 01 28.8 |
| | | Ki | iP 11 48 09.3 C | | | Greece. | |
| | | Sk | iP 11 48 39.6 | " | 27 | Up | iP 04 04 38.5 |
| | | Um | iP 11 48 36.1 | | | Ki | eP 04 04 04 |
| | | | iPcP 11 49 15.5 | | | Um | iP 04 04 18.5 |
| | | Ud | iP 11 49 02.2 C | | | Ud | iP 04 04 45.6 |
| | | | iPcP 11 49 31.1 | " | 27 | Up | iSg1 08 50 26.2 |
| | | De | iP 11 49 24.4 C | | | | i(Sg2) 08 50 35.6 |
| " | 26 | Ki | ePn 12 45 20 | | | Ki | ePn 08 46 14 |
| | | | iSn 12 46 05.4 | | | | iSn 08 47 13.4 |
| | | | iSg1 12 46 21.4 | | | | iSg1 08 47 35.4 |
| | | Sk | eSg1 12 48 46 | | | Sk | iSg1 08 50 04.3 |
| | | Um | iSg1 12 47 15.8 | | | Um | i 08 48 08.9 |
| | | Northwest USSR, 67.6°N, 30.5°E. Origin time = 12 44 20. Explosion. | | | | | iSg1 08 48 29.0 |
| " | 26 | Up | e(P) 18 16 38 | | | Ud | eSg1 08 51 00 |
| | | | micr sec | | | Northwest USSR, 67.8°N, 34.1°E. Origin time = 08 44 55. Explosion. | |
| | | | (P) Z' 0.1 1.2 | " | 27 | Up | |
| | | Ki | e(P) 18 16 03 | | | | micr sec |
| | | Sk | eP 18 16 03 | | | Mx | E 0.5 11 |
| | | Um | i(P) 18 16 21.0 | | | Mx | N 1.4 20 |
| | | Ud | eP 18 16 25 | | | Mx | Z 0.6 12 |
| | | | i 18 16 33.3 | | | Ki | eP 15 00 13 |
| | | Off coast of Oregon (h = N). | | | | | micr sec |
| " | 26 | Up | i 19 00 54.7 | | | Mx | E 1.1 15 |
| | | | iSg1 19 01 22.0 | | | Mx | N 0.9 18 |
| | | Sk | i(Sg1) 18 59 17.2 | | | Mx | Z 0.6 12 |
| | | Ud | i 18 59 37.5 | | | Um | iX 15 00 30 |
| | | | e(Sg1) 19 00 45.2 | | | Ud | iP 15 00 36.3 |
| | | (cont.) | | | | | iX 15 00 52.8 |
| | | | | | | Burma-China (h = N). M = 5.2 (Up,Ki). Interpreting X as pP gives h = 60 km. | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 28

(cont.)

Ud e 14 52 19
eSgl 14 52 34
Lofoten, 68.0°N, 12.7°E.
Origin time = 14 48 23.

" 28

Up iP 15 31 57.4 C
i 15 32 00.1
iPcP 15 32 27.2
micr sec
P Z' 0.2 0.8
Ki iP 15 31 05.5 C
micr sec
P Z' 0.1 0.8
Sk iP 15 31 37.5 C
Um iP 15 31 31.6
Ud iP 15 31 59.5 C
iPcP 15 32 27.3
De iP 15 32 21.5 C
i 15 32 31.7
iPcP 15 32 38.9
Aleutian Islands (h = 45 km).
m = 6.1 (Up,Ki).

" 28

Ud iP 15 34 00.4
De iP 15 33 47.3

" 28

Um eP 16 56 05
Ud iP 16 56 19.2
i 16 56 23.6

" 28

Up ePKP 19 17 25
micr sec
Mx E 1.2 20
Mx N 1.4 19
Mx Z 1.7 21
Ki micr sec
Mx E 1.6 21
Mx N 2.1 20
Mx Z 2.4 20
Um iPKP 19 17 22.5
Ud i(PKP) 19 17 24.1
iPKP 19 17 29.2
De iPKP 19 17 34.8
Tonga Islands (h = N).
M = 5.9 (Up,Ki).

" 28

Up iPKP 19 23 13.3
Ki iPKP 19 22 58.7
Um iPKP 19 23 08.0
New Britain (h = 35 km).

" 28

Um iP 19 46 04.9

" 28

Ud i 20 55 00.1
iSgl 20 55 08.9
De iPgl 20 54 11.1
(cont.)

1972

Aug. 28

(cont.)

De iSgl 20 55 07.9
Probably off coast of
south Norway.
Origin time = 20 52 57.

" 28

Ki i(Pn) 23 19 40.4
iPgl 23 19 49.3
iSgl 23 20 14.1
i 23 20 19.7
Sk eSgl 23 22 34
Um iSgl 23 22 13.9
Ud eSgl 23 24 20
Coast of north Norway.

" 29

Um iP 00 49 45.8

" 29

Ki micr sec
Mx E 0.6 15
Mx Z 0.6 16
Sk eP 01 47 42
Um iP 01 47 53.4
Ud iP 01 47 54.2
Gulf of California (h = N).

" 29

Sk eP 02 54 35
Ud iP 02 54 04.9
Turkey.

" 29

Up iP 03 41 02.2
i 03 41 05.1
i 03 41 25.6
Ki iP 03 41 11.9 C
i 03 41 26.2
micr sec
P Z' 0.2 0.8
Sk iP 03 40 50.5
Um iP 03 41 10.3 C
Ud iP 03 40 51.2 C
De iP 03 40 49.7 C
i 03 40 53.1
Windward Islands (h = 70 km).

" 29

Ki iPKP 06 17 55.8
Sk iPKP 06 18 04.6
Um iPKP 06 18 03.6
Ud iPKP 06 18 06.1
i 06 18 13.2
De iPKP 06 18 13.5 C
Tonga Islands (h = 150 km).

" 29

Up iP 07 11 01.9
Ki eP 07 10 44
Sk eP 07 11 08
Ud iP 07 11 10.7

" 29

Ud eP 19 25 58
i 19 26 16.8
Atlantic Ocean (h = N).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|-----|------------------------------|------------------|------|-----|----------------------------|-----------------|
| Aug. | Day | Station | Time | Aug. | Day | Station | Time |
| Aug. | 29 | Ki | iP 22 06 05.3 | Aug. | 30 | (cont.) | |
| | | Sk | iP 22 05 37.3 | | | Up | micr sec |
| | | Ud | iP 22 05 05.8 | | | P | Z' 0.1 0.7 |
| | | De | iP 22 04 33.6 | | | i | Z' 0.4 0.8 |
| | | Crete. | | | | Mx | E 1.4 18 |
| " | 29 | Ud | iP 22 16 11.1 | | | Mx | N 1.3 18 |
| | | Atlantic Ocean (h = N). | | | | Mx | Z 2.4 18 |
| " | 29 | Ud | iP 22 23 19.3 | | | Ki | iP 15 23 12.2 C |
| | | | i 22 23 21.4 | | | i | 15 23 14.6 |
| | | De | iP 22 22 47.9 | | | ipP | 15 23 19.5 |
| | | Crete. | | | | iPP | 15 25 11.3 |
| " | 30 | Ki | iPP 00 58 07.0 | | | | micr sec |
| | | Solomon Islands (h = 45 km). | | | | P | Z' 0.1 0.7 |
| " | 30 | Ud | iPKP 05 39 30.7 | | | i | Z' 0.3 1.0 |
| | | | iSKP 05 42 22.0 | | | Mx | E 1.7 12 |
| | | De | ePKP 05 39 38 | | | Mx | N 1.4 14 |
| | | | iSKP 05 42 30.3 | | | Mx | Z 1.6 12 |
| | | Fiji Islands (h = 560 km). | | | | Sk | iP 15 23 40.9 C |
| " | 30 | Ki | i(P) 09 17 09.6 | | | i | 15 23 43.4 |
| " | 30 | Up | iPP 10 49 12.0 | | | ipP | 15 23 48.0 |
| | | | micr sec | | | Um | iP 15 23 15.6 C |
| | | PP | Z' 0.1 1.5 | | | i | 15 23 17.8 |
| | | Mx | E 8.1 21 | | | ipP | 15 23 22.9 |
| | | Mx | N 11 23 | | | iPcP | 15 24 29.4 |
| | | Mx | Z 20 21 | | | iPP | 15 25 15.6 |
| | | Ki | micr sec | | | Ud | iP 15 23 42.9 C |
| | | Mx | E 14 22 | | | i | 15 23 45.2 |
| | | Mx | N 15 21 | | | ipP | 15 23 50.3 |
| | | Mx | Z 13 23 | | | De | iP 15 23 49.3 |
| | | Ud | iPP 10 49 35.9 | | | i | 15 23 51.1 |
| | | New Guinea (h = 15 km). | | | | ipP | 15 23 56.5 |
| | | M = 6.6 (Up,Ki). | | | | iPcP | 15 24 48.1 |
| " | 30 | Up | iSgl 10 58 06.6 | | | China. | |
| | | Sk | iSgl 10 58 28.2 | | | h = 25 km (Up,Ki,Sk,Um,Ud, | |
| | | Ud | i(Pn) 10 56 40.7 | | | De). | |
| | | | iPgl 10 56 47.9 | | | m = 6.3, M = 5.3 (Up,Ki). | |
| | | | iSgl 10 57 11.2 | | | Double P, in average 2.3 | |
| | | De | iSgl 10 58 08.2 | | | sec apart. | |
| | | South Norway. | | | | | |
| | | 59.5°N, 10.4°E. | | | | " | 30 |
| | | Origin time = 10 56 17. | | | | Up | iP 15 51 21.8 |
| | | By combination with | | | | Um | iP 15 51 07.3 |
| | | Kongsberg readings. | | | | " | 30 |
| " | 30 | Um | i(P) 14 50 13.1 | | | Up | iP 18 01 14.9 |
| " | 30 | Up | iP 15 23 29.2 C | | | Sk | eP 18 01 27 |
| | | i | 15 23 31.6 | | | De | eP 18 01 15 |
| | | ipP | 15 23 36.2 | | | " | 30 |
| | | (cont.) | | | | Up | iP 18 57 03.3 C |
| | | | | | | ipP | 18 57 09.7 |
| | | | | | | | micr sec |
| | | | | | | P | Z' 0.2 0.8 |
| | | | | | | pP | Z' 0.2 0.8 |
| | | | | | | Mx | E 0.9 16 |
| | | | | | | Mx | N 1.1 16 |
| | | | | | | Mx | Z 1.6 17 |
| | | | | | | Ki | iP 18 56 46.4 C |
| | | | | | | ipP | 18 56 53.1 |
| | | | | | | iPP | 18 58 43.8 |
| | | | | | | (cont.) | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 30 (cont.)
 Ki micr sec
 P Z' 0.2 1.0
 pP Z' 0.2 1.0
 Mx E 1.4 11
 Mx N 1.7 12
 Mx Z 1.2 12
 Sk iP 18 57 14.9 C
 ipP 18 57 22.0
 Um iP 18 56 49.2 C
 ipP 18 56 56.0
 iPcP 18 58 01.1
 Ud iP 18 57 16.9 C
 ipP 18 57 23.4
 iPcP 18 58 14.9
 iPP 18 59 17.7
 De iP 18 57 22.7 C
 ipP 18 57 29.6
 iPcP 18 58 19.5
 China.
 h = 25 km (Up,Ki,Sk,Um,Ud,
 De).
 m = 6.1, M = 5.2 (Up,Ki).

" 30 Up iP 19 00 54.2 C
 ipP 19 01 00.8
 micr sec
 P Z' 0.3 0.8
 Mx E 1.0 18
 Mx N 0.8 12
 Mx Z 1.7 16
 Ki iP 19 00 37.4 C
 ipP 19 00 43.2
 iPP 19 02 35.2
 micr sec
 P Z' 0.2 1.0
 Mx E 1.1 13
 Mx N 0.8 12
 Mx Z 1.3 13
 Sk iP 19 01 06.8 C
 Um iP 19 00 40.9 C
 ipP 19 00 47.4
 Ud iP 19 01 08.6 C
 ipP 19 01 14.6
 De iP 19 01 14.5 C
 ipP 19 01 20.7
 China.
 h = 25 km (Up,Ki,Um,Ud,De).
 m = 6.2, M = 5.1 (Up,Ki).

" 30 De iPKP 19 33 35.1
 Solomon Islands (h = 70 km).

" 30 Ud eP 20 12 36

" 30 Up eP 20 17 11
 (cont.)

1972

Aug. 30 (cont.)
 Ki eP 20 16 22
 Ud iP 20 17 19.2
 " 30 Ud iPKP 20 19 00.1
 De ePKP 20 19 13
 " 30 Up iP 20 51 51.8 C
 Ki iP 20 51 35.1
 Sk iP 20 52 04.1
 Um iP 20 51 38.0
 Ud iP 20 52 05.6
 China.
 Origin time = 20 42 33.

" 30 Um iP 21 26 06.1
 ipP 21 26 13.9
 Ud iP 21 26 38.3
 Japan.
 h = 30 km (Um).

" 30 Ud eP 22 23 28

" 30 Um i(P) 23 54 31.2

" 31 Ki iP 01 24 30.6
 Um iP 01 24 38.4
 Ud eP 01 25 06
 De eP 01 25 13
 Formosa (h = 60 km).

" 31 Up iX 02 37 06.6
 micr sec
 Mx E 0.9 23
 Mx Z 1.2 22
 Ki iP 02 36 38.7
 micr sec

P Z' 0.1 1.5
 Mx E 0.9 22
 Mx N 0.9 22
 Mx Z 1.2 22

Sk eP 02 36 34
 ipP 02 36 49.4
 iX 02 36 54.8
 Um iP 02 36 46.5
 iX 02 37 05.2
 i 02 38 29.7
 Ud iP 02 36 40.2
 iX 02 36 57.3
 De iX 02 37 01.9

El Salvador.
 h = 55 km (Sk).
 M = 5.3 (Up,Ki).
 X could be P of an after-
 shock, about 19 sec later.

" 31 Ud iP 03 34 10.6

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Aug. 31 Um ePKP 05 52 53
Ud iPKP 05 53 00.2
De iPKP 05 53 10.6 C
Fiji Islands (h = 630 km).

" 31 Ud iP 07 08 22.8

" 31 Ki iP 07 32 29.7
Ud iP 07 32 37.7

" 31 Um iP 08 05 28.5
Japan (h = 20 km).

" 31 Up iP 08 18 46.7
micr sec
Mx E 2.1 16
Mx N 2.8 16
Mx Z 1.5 13
Ki iP 08 18 08.8
micr sec
Mx E 4.0 14
Mx N 4.1 13
Mx Z 2.4 16
Sk iP 08 18 41.5
Um iP 08 18 24.5
iS 08 27 26
Ud iP 08 18 53.8
De eP 08 19 12
Japan (h = 25 km).
M = 5.9 (Up,Ki).

" 31 Up iP 14 11 01.5 C
iX 14 11 05.4
iPcP 14 12 57.3
iY 14 13 01.4
micr sec
P Z' 0.2 1.0
X Z' 0.2 0.9
Mx E 1.0 13
Mx N 1.8 13
Mx Z 1.9 14
Ki iP 14 10 29.6 C
iX 14 10 33.7
iPcP 14 12 45.7
iY 14 12 49.7
micr sec
P Z' 0.1 1.1
X Z' 0.1 0.8
Mx E 1.2 9
Mx N 1.5 12
Mx Z 1.3 10
Sk iP 14 11 07.6
iX 14 11 12.2
iPcP 14 13 00.7
iY 14 13 05.4
Um iP 14 10 39.6 C
iX 14 10 43.1
(cont.)

1972

Aug. 31 (cont.)
Um iPcP 14 12 49.4
iY 14 12 53.1
Ud iP 14 11 15.6 C
iX 14 11 19.2
iPcP 14 13 03.7
iY 14 13 07.5
De iP 14 11 28.7 C
iX 14 11 32.7
iPcP 14 13 09.4
iY 14 13 13.8
Central Siberia (h = N).
m = 5.7, M = 5.2 (Up,Ki).
The phase X can either be interpreted as P of a second event from the same area or as pP for a focal depth of 15 km. The phase Y is the corresponding PcP or pPcP, respectively.

" 31 Up iSgl 16 54 44.4
Ki iPn 16 51 16.4
iPgl 16 51 27.9
i 16 51 36.3
iSgl 16 52 06.8
iTPg 16 52 19.8
iTSG 16 52 31.4
Sk iPn 16 51 31.3
iSn 16 52 20.1
iTPg 16 52 55.1
Um i(Pn) 16 51 45.7
iPn 16 51 50.4
iSn 16 52 48.2
iSgl 16 53 17.2
iTPg 16 53 23.7
i 16 53 29.2
Ud iPn 16 52 25.0
i 16 53 44.1
iSgl 16 54 44.3
Lofoten, 68.0°N, 12.7°E.
Origin time = 16 50 36.

Markus Båth
Klaus Meyer
Rutger Wahlström
Ota Kulhánek

August 30, 1974

SEISMOLOGICAL INSTITUTE
BOX 517
S-751 20 UPPSALA
SWEDEN

S E I S M O L O G I C A L B U L L E T I N

U P P S A L A , K I R U N A , S K A L S T U G A N , U M E Å ,

U D D E H O L M and D E L A R Y

| | | | | |
|------------|-------|------------|------------|-----------|
| Uppsala | (Up): | 59°51.5'N, | 17°37.6'E; | h = 14 m |
| Kiruna | (Ki): | 67°50.4'N, | 20°25.0'E; | h = 390 m |
| Skalstugan | (Sk): | 63°34.8'N, | 12°16.8'E; | h = 580 m |
| Umeå | (Um): | 63°48.9'N, | 20°14.2'E; | h = 16 m |
| Uddeholm | (Ud): | 60°05.4'N, | 13°36.4'E; | h = 240 m |
| Delary | (De): | 56°28.2'N, | 13°52.2'E; | h = 150 m |

S E P T E M B E R 1 - 30, 1972
.....

| 1972 | | | | 1972 | | | |
|------|---|----------------------------|------|--------------|------|---------|-------------------------|
| Sep. | 1 | Ud | iP | 01 55 34.1 | Sep. | 1 | (cont.) |
| " | 1 | Um | iP | 03 58 05.5 | | | Sk iPKP 13 06 06.3 D |
| " | 1 | Ud | iP | 04 14 20.8 | | | Um iPKP 13 06 01.4 D |
| | | Japan (h = 60 km). | | | | | Ud iPKP 13 06 11.7 D |
| " | 1 | Sk | iSg1 | 05 12 21.7 | | | iSKP 13 09 25.8 |
| | | Ud | iSg1 | 05 12 27.5 | | | De iPKP 13 06 18.1 D |
| | | De | eSg1 | 05 13 21 | | | New Hebrides Islands |
| | | Off west coast of Norway, | | | | | (h = 130 km). |
| | | 60.9°N, 3.8°E. | | " | 1 | Ud | i(P) 13 59 10.0 |
| | | Origin time = 05 09 52. | | " | 1 | Up | iP 14 41 45.6 |
| | | By combination with Bergen | | | | Ki | iP 14 40 52.5 |
| | | and Kongsberg readings. | | | | Ud | iP 14 41 47.5 |
| " | 1 | Up | iP | 07 28 46.9 | | | Aleutian Islands |
| | | Ud | iP | 07 28 46.6 | | | (h = 60 km). |
| | | | i | 07 29 01.2 | " | 1 | Sk e(Sg1) 15 14 01 |
| " | 1 | Up | iP | 08 21 43.0 | | | Ud iSg1 15 12 56.7 |
| | | Ud | iP | 08 21 45.6 | | | Southwest Norway. |
| " | 1 | Up | iSg1 | 12 12 51.1 | | | By combination with |
| | | Ki | eSg1 | 12 14 47 | | | Kongsberg readings. |
| | | Um | iSg1 | 12 13 07.0 | " | 1 | Ki iSg1 17 53 20.3 |
| | | Ud | iSg1 | 12 13 52.2 | | | Sk iSg1 17 53 24.7 |
| | | De | eSg1 | 12 14 22 | | | Um iSn 17 53 33.8 |
| | | Western USSR, | | | | | iSg1 17 53 47.5 |
| | | 59.3°N, 28.3°E. | | | | | Ud iSg1 17 55 12.7 |
| | | Origin time = 12 10 00. | | | | | iSg2 17 55 19.1 |
| | | Explosion. | | | | | Nordland, Norway, |
| " | 1 | Up | iPKP | 13 06 09.2 | | | 66.5°N, 14.0°E. |
| | | | iSKP | 13 09 21.3 | | | Origin time = 17 51 51. |
| | | | | micr sec | | | Explosion. |
| | | | PKP | Z' 0.1 1.2 | " | 1 | Ki i(Sg1) 20 47 37.6 |
| | | Ki | iPKP | 13 05 55.4 D | " | 2 | Up iP1 02 01 16.7 |
| | | (cont.) | | | | | iP2 02 01 18.4 C |
| | | (cont.) | | | | (cont.) | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

1972

Sep. 2 (cont.)

Up iS 02 10 49
micr sec
P2 Z' 0.6 1.2
Mx E 8.2 18
Mx N 7.2 21
Mx Z 17 22
Ki eP1 02 00 46
iP2 02 00 46.9 C
ipP 02 00 58.6
i 02 01 35.2
iS 02 09 53
micr sec
P2 Z' 0.4 1.3
Mx E 23 21
Mx N 16 20
Mx Z 27 21
Sk iP2 02 01 17.0 C
Um iP2 02 00 59.6 C
iS 02 10 13
Ud eP1 02 01 26
iP2 02 01 26.7 C
eS 02 11 11
De iP2 02 01 38.4 C
i 02 01 53.7

Ryukyu Islands.
h = 40 km (Ki).
m = 6.5, M = 6.4 (Up,Ki).
P1 denotes a small-amplitude
phase, preceding the main
onset by about 1.7 sec.

" 2 Up eP 02 19 29
ipP 02 19 50.3
micr sec
pP Z' 0.1 1.0
Ud iP 02 19 39.5
ipP 02 19 59.3

Formosa.
h = 80 km (Up,Ud).

" 2 Up eP 02 53 09
Ki eP 02 52 19
Ud iP 02 53 15.4
Kurile Islands (h = N).

" 2 Ud iP 03 53 53.0
Kurile Islands (h = N).

" 2 Up iP 03 59 51.3
Ki iP 03 59 00.6
Ud iP 03 59 57.6
Kurile Islands (h = 45 km).

1972

Sep. 2

Up iPKP 04 34 02.3
Ki ePKP 04 33 53
Um iPKP 04 34 01.4
Ud iPKP 04 34 04.7
iSKP 04 36 54.5
De iPKP 04 34 16.9 D
Tonga-Kermadec Islands
(h = 590 km).

" 2 Ki iP 06 14 47.6
Um iP 06 15 05.7 C
Ud eP 06 15 33
Japan (h = 80 km).

" 2 Up iP 06 34 05.2
Ud iP 06 34 14.8
Sumatra (h = 70 km).

" 2 Up iP 09 03 49.8
Ki iP 09 03 34.4
micr sec
P Z' 0.1 0.5
Sk iP 09 04 05.3
Ud iP 09 04 06.1
De eP 09 04 14

Kazakh SSR.
Underground explosion.

" 2 Up eP1 10 43 46
iP2 10 43 48.8
iPn 10 44 23.2
iSn 10 49 45.3
Ki eP2 10 44 16
iSn 10 51 11.9
Sk eP2 10 44 18
iPn 10 45 17.4
iPP 10 45 24.5
Um iPP 10 44 58.6
i 10 45 19.1
Ud iP1 10 44 03.8
iP2 10 44 06.0
iPn 10 44 57.1
De eP1 10 43 54
iP2 10 43 55.7
ePP 10 44 51
Turkmen SSR (h = N).

" 2 Ki iPn 10 43 58.9
iSn 10 44 47.3
iSg1 10 45 03.0

Northwest USSR.
Origin time = 10 42 55.
Explosion.

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | | | | |
|------|---|----|---------------------------------|--------------|------|----|--------------------------|------------------------------------|--------------|----------|
| Sep. | 2 | Up | eP | 14 59 44 | Sep. | 3 | Up | micr sec | | |
| | | | i | 14 59 53.4 | | | Mx E | 2.4 18 | | |
| | | | iPP | 15 00 49.1 | | | Mx N | 3.4 19 | | |
| | | | iS | 15 04 29 | | | Mx Z | 6.1 19 | | |
| | | | | micr sec | | Ki | i(PKP) | 06 49 43.5 | | |
| | | | PP | Z' 0.1 1.2 | | | iPKP | 06 49 54.0 | | |
| | | | Mx | E 9.0 16 | | | | micr sec | | |
| | | | Mx | N 6.8 15 | | | Mx E | 3.7 20 | | |
| | | | Mx | Z 9.0 15 | | | Mx N | 5.5 21 | | |
| | | Ki | iP | 15 00 55.3 | | | Mx Z | 5.8 21 | | |
| | | | i | 15 01 22.9 | | Um | iPKP | 06 49 58.0 | | |
| | | | iS | 15 06 35 | | Ud | iPKP | 06 50 07.3 | | |
| | | | | micr sec | | De | e(PKP) | 06 50 06 | | |
| | | | Mx | E 8.7 15 | | | iPKP | 06 50 14.1 | | |
| | | | Mx | N 3.2 17 | | | New Britain (h = 45 km). | | | |
| | | | Mx | Z 3.9 14 | | | M = 6.1 (Up,Ki). | | | |
| | | Sk | iP | 15 00 17.6 | | " | 3 | Ki eP | 07 05 54 | |
| | | Um | iP | 15 00 20.2 | | | | iS | 07 07 39.8 | |
| | | Ud | iP | 14 59 46.0 | | | | Sk e(Lg1) | 07 11 00 | |
| | | | i | 14 59 54.2 | | | | Um i | 07 09 28.7 | |
| | | De | iP | 14 59 14.2 | | | | Svalbard. | | |
| | | | i(Pn) | 14 59 30.4 | | | " | 3 | Up | micr sec |
| | | | Libya (h = N). | | | | | Mx E | 1.1 19 | |
| | | | M = 5.7 (Up,Ki). | | | | | Mx N | 1.4 20 | |
| " | 2 | Up | iP | 18 40 31.5 | | | | Mx Z | 3.1 19 | |
| | | Ki | iP | 18 39 40.8 | | | Ki | | micr sec | |
| | | Ud | iP | 18 40 36.9 | | | | Mx E | 1.8 20 | |
| | | | Kurile Islands (h = N). | | | | | Mx N | 1.1 17 | |
| " | 2 | Up | eP | 18 43 20 | | | | Mx Z | 1.7 17 | |
| | | Ki | eP | 18 42 29 | | | De | iPKP | 08 14 45.0 | |
| | | Ud | iP | 18 43 24.9 | | | | New Britain (h = 50 km). | | |
| | | | Kurile Islands (h = N). | | | | | M = 5.7 (Up,Ki). | | |
| " | 2 | Ud | iP | 19 01 37.0 | | " | 3 | Up eP | 08 43 41 | |
| | | | Kurile Islands (h = N). | | | | | Ki eP | 08 44 57 | |
| " | 2 | Up | iP | 19 23 58.4 D | | | | i | 08 45 19.8 | |
| | | Ki | iP | 19 23 20.6 | | | | Sk iP | 08 44 19.3 | |
| | | Sk | i | 19 24 03.9 | | | | Um iP | 08 44 08.9 | |
| | | Um | iP | 19 23 36.6 D | | | | Ud iP | 08 43 48.6 | |
| | | Ud | iP | 19 24 04.9 | | | | De iP | 08 43 13.9 C | |
| | | De | eP | 19 24 25 | | | | Turkey (h = 15 km). | | |
| | | | Japan (h = 55 km). | | | " | 3 | Up iP | 09 18 33.5 | |
| " | 3 | Ud | iPKP | 00 36 35.5 | | | | Um iP | 09 18 34.1 | |
| | | | New Britain (h = N). | | | | | Ud iP | 09 18 47.8 | |
| | | | | | | | | Afghanistan-USSR. | | |
| " | 3 | Ki | ePKP | 01 02 29 | | " | 3 | Up iSKP | 12 02 34.3 | |
| | | | South Sandwich Islands (h = N). | | | | | Ud iSKP | 12 02 38.5 | |
| | | | | | | | | i(sSKP) | 12 03 23.7 | |
| | | | | | | | | De iSKP | 12 02 49.5 | |
| | | | | | | | | New Hebrides Islands (h = 100 km). | | |
| " | 3 | De | iPKP | 02 13 02.7 | | | | | | |
| | | | New Britain (h = N). | | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|------|---|-------------------------------|------|--------------|------|---|------------------------------|
| Sep. | 3 | Ud | i(P) | 13 25 25.6 | Sep. | 3 | (cont.) |
| | | | i | 13 26 26.2 | | | Um iP 17 54 08.2 C |
| " | 3 | Ud | iPKP | 16 23 21.3 | | | Ud iP 17 54 27.6 |
| | | De | iPKP | 16 23 27.7 | | | Kashmir (h = N). |
| | | New Britain (h = 50 km). | | | " | 3 | Ki eP 18 08 09 |
| " | 3 | Up | iP | 16 56 22.5 C | | | Ud iP 18 08 21.8 |
| | | | iPP | 16 58 00.5 | | | (Kashmir). |
| | | | iS | 17 02 37 | " | 3 | Um iP 18 56 01.9 |
| | | | | micr sec | | | Ud iP 18 56 21.8 |
| | | P | Z' | 2.6 1.4 | | | Kashmir. |
| | | PP | Z' | 3.0 1.9 | | | Origin time = 18 48 11. |
| | | Mx | E | 17 10 | | | Approximate origin times |
| | | Mx | N | 43 14 | | | are given for some Kashmir |
| | | Mx | Z | 29 9 | | | aftershocks not reported |
| | | Ki | iP | 16 56 28.9 C | | | by NEIS, as based on our |
| | | | iX | 16 57 02.4 | | | own readings and essentially |
| | | | iS | 17 02 57 | | | for the purpose of easier |
| | | | | micr sec | | | event identification. |
| | | P | Z' | 1.9 1.2 | " | 3 | Up iP 19 32 50.4 |
| | | Mx | E | 26 11 | | | Um iP 19 32 46.9 |
| | | Mx | N | 48 11 | | | Ud iP 19 33 06.0 |
| | | Mx | Z | 22 10 | | | Kashmir. |
| | | Sk | iP | 16 56 47.3 C | | | Origin time = 19 24 56. |
| | | | iX | 16 57 06.0 | " | 3 | Up iP 20 40 12.9 |
| | | Um | iP | 16 56 19.7 C | | | Ki eP 20 40 20 |
| | | | iPP | 16 57 57 | | | Um iP 20 40 10.1 |
| | | | iS | 17 02 34 | | | Ud iP 20 40 29.3 C |
| | | Ud | iP | 16 56 38.5 C | | | Kashmir (h = N). |
| | | | iPP | 16 58 26.1 | " | 3 | Up iP 21 37 16 |
| | | De | iP | 16 56 36.0 C | " | 3 | Ud eP 21 56 29.2 |
| | | | iPP | 16 58 23.7 | " | 3 | Ud iP 22 41 23.0 |
| | | Kashmir (h = 35 km). | | | " | 3 | Ki eP 22 47 43 |
| | | m = 6.7, M = 6.5 (Up,Ki). | | | | | Ud iP 22 47 58.8 |
| | | Phases, denoted X and found | | | " | 3 | Up iP 23 11 46.6 C |
| | | especially at Ki,Sk in this | | | | | iPP 23 13 27.3 |
| | | and several following Kashmir | | | | | micr sec |
| | | earthquakes, could be due to | | | | | P Z' 0.2 0.8 |
| | | reflections from underneath | | | | | PP Z' 0.1 1.1 |
| | | at mantle discontinuities in | | | | | Mx E 0.6 10 |
| | | the depth range of 500 to | | | | | Mx N 0.8 11 |
| | | 650 km. | | | | | Mx Z 0.9 11 |
| " | 3 | Up | iP | 17 17 13.6 | " | 3 | Ki iP 23 11 52.6 C |
| | | | | micr sec | | | iX 23 12 26.2 |
| | | P | Z' | 0.1 1.0 | | | (cont.) |
| | | Ki | eP | 17 17 24 | | | |
| | | Sk | iP | 17 17 37.9 | | | |
| | | Um | iP | 17 17 10.3 C | | | |
| | | Ud | iP | 17 17 29.9 | | | |
| | | De | eP | 17 17 27 | | | |
| | | Kashmir (h = N). | | | | | |
| " | 3 | Up | eP | 17 54 12 | | | |
| | | (cont.) | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|------|---|---------------------------|-----------------|------|---|----------------------|--------------------|
| Sep. | 3 | (cont.) | | Sep. | 4 | (cont.) | |
| | | Ki | micr sec | | | Ki | iP 00 58 23.0 C |
| | | P | Z' 0.2 1.0 | | | | micr sec |
| | | Mx | E 0.9 11 | | | P | Z' 0.1 1.0 |
| | | Mx | N 1.3 10 | | | Sk | iP 00 58 41.2 |
| | | Mx | Z 1.1 10 | | | Um | iP 00 58 13.7 C |
| | | Sk | iP 23 12 11.1 C | | | Ud | iP 00 58 33.0 C |
| | | Um | iP 23 11 43.8 C | | | | iPP 01 00 18.2 |
| | | Ud | iP 23 12 02.7 C | | | De | iP 00 58 30.0 C |
| | | De | iP 23 11 59.9 C | | | Kashmir (h = 70 km). | |
| | | | iPP 23 13 42.0 | | | m = 5.6 (Up,Ki). | |
| | | Kashmir (h = N). | | | | " | 4 Ud iP 01 10 36.4 |
| | | m = 5.8, M = 5.0 (Up,Ki). | | | | " | 4 Up iP 01 31 44.9 |
| " | 3 | Up | eP 23 22 42 | | | | micr sec |
| | | Sk | iP 23 23 05.9 | | | P | Z' 0.2 1.2 |
| | | Um | iP 23 22 37.2 | | | Ki | iP 01 31 50.5 |
| | | Ud | iP 23 22 58.3 | | | | micr sec |
| | | Kashmir. | | | | P | Z' 0.1 1.2 |
| | | Origin time = 23 14 48. | | | | Sk | iP 01 32 09.9 |
| " | 3 | Sk | eP 23 50 24 | | | Um | iP 01 31 42.2 C |
| | | Ud | eP 23 50 16 | | | Ud | iP 01 32 01.7 C |
| | | Kashmir. | | | | | iPP 01 33 49.5 |
| " | 4 | Up | iP 00 16 49.7 | | | De | iP 01 31 59.0 |
| | | Ki | iP 00 16 08.1 | | | Kashmir (h = N). | |
| | | Sk | eP 00 16 45 | | | m = 5.5 (Up,Ki). | |
| | | Um | iP 00 16 25.1 | " | 4 | Ud | iP 02 31 15.3 |
| | | Ud | iP 00 16 56.7 | " | 4 | Up | iP 02 44 12.0 C |
| | | De | iP 00 17 13.2 | | | | iPP 02 45 50.3 |
| | | Japan (h = 80 km). | | | | | micr sec |
| " | 4 | Up | iP 00 22 02.1 | | | P | Z' 0.1 0.8 |
| | | Ki | iP 00 22 10.6 | | | Ki | iP 02 44 18.4 |
| | | Sk | eP 00 22 27 | | | e | 02 45 26 |
| | | Um | iP 00 21 59.4 | | | | micr sec |
| | | Ud | iP 00 22 18.7 | | | P | Z' 0.1 1.0 |
| | | De | iP 00 22 16.2 | | | Sk | iP 02 44 36.4 C |
| | | Kashmir (h = 55 km). | | | | Um | iP 02 44 09.1 C |
| " | 4 | Up | iSg1 00 27 53.7 | | | Ud | iP 02 44 28.5 C |
| | | Ud | iPn 00 27 32.0 | | | De | iP 02 44 25.4 C |
| | | | iPg1 00 27 39.6 | | | | iPP 02 46 10.1 |
| | | | iSg1 00 28 34.0 | | | Kashmir (h = 30 km). | |
| | | De | iPg1 00 27 18.4 | | | m = 5.6 (Up,Ki). | |
| | | | iSg1 00 27 53.5 | " | 4 | Up | iP 03 59 15.3 |
| | | Baltic Sea, near Gotland, | | | | | micr sec |
| | | Sweden, 57.1°N, 18.4°E. | | | | P | Z' 0.1 1.0 |
| | | Origin time = 00 26 33. | | | | Ki | iP 03 59 22.1 |
| | | Explosion? | | | | | micr sec |
| " | 4 | Up | iP 00 58 16.7 C | | | P | Z' 0.1 1.0 |
| | | | micr sec | | | Sk | iP 03 59 39.9 |
| | | P | Z' 0.1 0.8 | | | iX | 03 59 56.8 |
| | | (cont.) | | | | Um | iP 03 59 12.4 C |
| | | (cont.) | | | | (cont.) | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | | | |
|------|---|---------------------------------|------|------|---|----------------------|-----|----|--------------|
| Sep. | 4 | (cont.) | | Sep. | 4 | Sk | eP | 09 | 04 06 |
| | | Ud | iP | | | Um | iP | 09 | 04 11.9 |
| | | De | iP | | | Ud | iP | 09 | 04 56.7 |
| | | Kashmir (h = 35 km). | | | | | | | |
| | | m = 5.5 (Up,Ki). | | " | 4 | Ud | iP | 10 | 29 07.1 |
| " | 4 | Ki | iP | " | 4 | Up | eP | 10 | 43 39 |
| | | Um | iP | | | | | | micr sec |
| | | Ud | iP | | | | P | Z' | 0.1 1.0 |
| | | Kashmir. | | | | Ki | eP | 10 | 43 43 |
| | | Origin time = 04 06 39. | | | | Sk | iP | 10 | 44 03.4 |
| " | 4 | Up | eP | | | Um | iP | 10 | 43 36.2 C |
| | | Ud | iP | | | Ud | iP | 10 | 43 54.3 |
| | | Kashmir. | | | | De | iP | 10 | 43 51.9 |
| | | Origin time = 04 10 05. | | | | Kashmir (h = 60 km). | | | |
| " | 4 | Um | iPKP | " | 4 | Ki | iP | 13 | 43 11.9 |
| | | De | iPKP | | | Kashmir. | | | |
| | | Santa Cruz Islands | | " | 4 | Up | iP | 13 | 45 46.0 |
| | | (h = 290 km). | | | | | | | micr sec |
| " | 4 | Up | iP | | | | P | Z' | 0.1 0.9 |
| | | Um | iP | | | Ki | iP | 13 | 45 52.3 |
| | | Ud | iP | | | | | | micr sec |
| | | Kashmir (h = N). | | | | | P | Z' | 0.1 1.1 |
| " | 4 | Up | iPn | | | Sk | iP | 13 | 46 10.5 |
| | | | iSn | | | Um | iP | 13 | 45 43.2 |
| | | | iSg1 | | | | i | 13 | 45 48.0 |
| | | | | | | Ud | iP | 13 | 46 02.5 |
| | | | | | | De | iP | 13 | 46 01.9 |
| | | | | | | Kashmir (h = N). | | | |
| | | | | | | m = 5.5 (Up,Ki). | | | |
| | | Mx | N | | | " | 4 | Up | iP |
| | | Mx | Z | | | | | | 13 50 13.1 C |
| | | | | | | | | | ipP |
| | | | | | | | | | 13 50 25.5 |
| | | | | | | | | | iPP |
| | | | | | | | | | 13 51 51.4 |
| | | | | | | | | | micr sec |
| | | | | | | | P | Z' | 0.4 0.9 |
| | | | | | | | PP | Z' | 0.3 1.2 |
| | | | | | | | Mx | E | 1.2 13 |
| | | | | | | | Mx | N | 1.6 13 |
| | | | | | | | Mx | Z | 1.9 14 |
| | | | | | | Ki | iP | 13 | 50 19.1 C |
| | | | | | | | | | micr sec |
| | | | | | | | P | Z' | 0.3 1.0 |
| | | | | | | | Mx | E | 1.3 10 |
| | | | | | | | Mx | N | 1.7 11 |
| | | | | | | | Mx | Z | 1.1 13 |
| | | | | | | Sk | iP | 13 | 50 37.6 C |
| | | | | | | | iX | 13 | 50 55.7 |
| | | | | | | Um | iP | 13 | 50 10.1 C |
| | | | | | | | iPP | 13 | 51 43.9 |
| | | | | | | Ud | iP | 13 | 50 29.4 C |
| | | | | | | | ipP | 13 | 50 40.0 |
| | | | | | | | iPP | 13 | 52 14.9 |
| | | | | | | (cont.) | | | |
| | | Kola Peninsula. | | | | | | | |
| | | Origin time = 07 00 00. | | | | | | | |
| | | Probably underground explosion. | | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

1972

Sep. 4 (cont.)
 De iP 13 50 26.4 C
 iPP 13 52 10.2
 Kashmir.
 h = 40 km (Up,Ud).
 m = 6.0, M = 5.3 (Up,Ki).

" 4 Ki eP 14 01 17
 Ud iP 14 01 53.3

" 4 Ud eP 15 02 03
 Kashmir.

" 4 Up iP 15 18 38.8
 Ki iP 15 18 07.8
 Sk eP 15 18 36
 Um iP 15 18 21.9 C
 Ud iP 15 18 44.6 C
 Bonin Islands (h = 40 km).

" 4 De e(Pg1) 15 33 38
 i(Sg1) 15 33 59.6

" 4 Up iP 16 06 25.1
 Um iP 16 06 21.6 C
 Ud iP 16 06 40.9
 De eP 16 06 39
 Kashmir.
 Origin time = 15 58 31.

" 4 Up eP 18 26 49
 iPKP 18 30 10.8
 ipPKP 18 30 25.4
 iPP 18 32 08.6
 micr sec
 pPKP Z' 0.1 1.0
 Mx E 22 22
 Mx N 40 22
 Mx Z 65 22
 Ki eP 18 26 20
 e(PKP) 18 29 54
 iPKP 18 29 58.2
 iPP 18 31 20
 micr sec
 Mx E 32 23
 Mx N 34 26
 Mx Z 34 23
 Sk i(PKP) 18 30 06.0
 iPKP 18 30 09.5
 Um iP 18 26 33
 iPKP 18 30 00.9
 ipPKP 18 30 14.0
 iPP 18 31 37
 Ud i(PKP) 18 30 10.1
 iPKP 18 30 14.4
 (cont.)

1972

Sep. 4 (cont.)
 Ud ipPKP 18 30 27.1
 iPP 18 32 19.9
 De i(PKP) 18 30 17.4
 iPKP 18 30 20.6
 Santa Cruz Islands.
 h = 50 km (Up,Um,Ud).
 M = 7.1 (Up,Ki).

" 4 Um iP 20 14 16.8
 Ud eP 20 14 35
 De iP 20 14 34.4
 Kashmir (h = N).

" 4 Up iP 21 08 43.2
 Ki iP 21 08 50.7
 Sk eP 21 09 08
 Um iP 21 08 43.7
 Ud iP 21 09 02.6
 De iP 21 09 00.1
 Kashmir.
 Origin time = 21 00 52.

" 4 Up iPKP 21 42 35.0
 Ki iPKP 21 42 30.1
 Um iPKP 21 42 35.5
 Ud iPKP 21 42 36.0 C
 i 21 42 47.1
 iSKP 21 45 25.5
 De iPKP 21 42 46.1 C
 eSKP 21 45 35
 Fiji Islands (h = 610 km).

" 4 Up iP 22 52 02.4
 Ki iP 22 52 07.9
 Sk iP 22 52 27.0
 Um iP 22 51 59.3 C
 Ud iP 22 52 18.7
 i 22 52 26.6
 Kashmir (h = 55 km).

" 4 Up eP 23 33 23
 Sk eP 23 33 47
 Um iP 23 33 19.6
 Ud iP 23 33 38.5
 i 23 33 43.1
 Kashmir (h = N).

" 4 Ud eP 23 45 42
 Peru-Ecuador (h = 60 km).

" 5 Up iPKP 02 59 08.8
 Ki iPKP 02 58 54.2
 Sk iPKP 02 59 05.9
 Um iPKP 02 59 01.2
 (cont.)

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|------|---|------------------------------|--------------|------|---|------------------------------|--------------|
| Sep. | 5 | (cont.) | | Sep. | 5 | Um iX | 08 05 02.0 |
| | | Ud e(PKP) | 02 59 03 | | | (Kashmir). | |
| | | De i(PKP) | 02 59 05.7 | | | For suggested interpretation | |
| | | iPKP | 02 59 12.7 | | | of X, see Sep. 3 at 16 56. | |
| | | Loyalty Islands (h = 55 km). | | | | | |
| " | 5 | Ud eP | 03 16 02 | " | 5 | Ki e | 09 08 16 |
| | | | | | | iSg1 | 09 08 37.7 |
| " | 5 | Up iP | 03 15 53.9 | | | Sk iSg1 | 09 09 09.4 |
| | | Sk iP | 03 16 19.7 | | | Um iSg1 | 09 07 11.6 |
| | | Um iP | 03 15 51.5 | | | De iSg1 | 09 09 38.3 |
| | | Ud iP | 03 16 11.9 | | | Lake Ladoga. | |
| | | De eP | 03 16 10 | | | Explosion? | |
| | | Kashmir (h = 45 km). | | " | 5 | Up iP | 09 21 52.7 |
| " | 5 | Up iP | 03 16 15.3 | | | iPP | 09 23 35.0 |
| | | Sk eP | 03 16 39 | | | | micr sec |
| | | Um iP | 03 16 11.8 | | | P Z' | 0.2 1.0 |
| | | Ud iP | 03 16 31.5 | | | Ki iP | 09 21 58.3 |
| | | Kashmir. | | | | | micr sec |
| | | Origin time = 03 08 21. | | | | P Z' | 0.1 1.0 |
| " | 5 | Up iP | 04 15 22.0 | | | Sk iP | 09 22 16.9 |
| | | Ki iP | 04 15 28.4 | | | Um iP | 09 21 49.6 |
| | | Sk iP | 04 15 46.5 C | | | iPP | 09 23 28.4 |
| | | Um iP | 04 15 18.9 C | | | Ud iP | 09 22 08.9 C |
| | | Ud iP | 04 15 38.6 C | | | iPP | 09 23 56.3 |
| | | De iP | 04 15 35.7 | | | De eP | 09 22 06 |
| | | Kashmir (h = N). | | | | i | 09 22 07.9 |
| " | 5 | Ki eP | 04 39 49 | | | Kashmir (h = N). | |
| | | Ud eP | 04 40 02 | | | m = 5.5 (Up,Ki). | |
| | | Kashmir. | | " | 5 | Ud iP | 09 49 39.3 |
| " | 5 | Up i(PP) | 05 41 11.1 | " | 5 | Ud iPKP | 10 34 03.9 |
| | | i | 05 41 44.5 | | | Santa Cruz Islands | |
| | | | micr sec | | | (h = 35 km). | |
| | | Mx N | 0.6 18 | " | 5 | Ki iP | 11 10 08.0 |
| | | Mx Z | 0.7 20 | " | 5 | Ki iPg1 | 11 29 59.7 |
| | | Ki iP | 05 36 53.8 | | | iSg1 | 11 30 22.5 |
| | | i | 05 36 59.9 | | | Sk eSg1 | 11 33 02 |
| | | ePP | 05 41 12 | | | Um i | 11 32 25.0 |
| | | | micr sec | | | iSg1 | 11 32 30.1 |
| | | P Z' | 0.1 1.2 | | | North Norway. | |
| | | Mx E | 1.1 20 | | | Origin time = 11 29 30. | |
| | | Mx N | 0.9 18 | | | Explosion. | |
| | | Mx Z | 1.0 21 | " | 5 | Ud iP | 13 16 10.9 |
| | | Sk i(PP) | 05 41 21.8 | " | 5 | Up iP | 14 23 08.2 |
| | | Um iP | 05 36 57.9 | | | Ki eP | 14 23 16 |
| | | iPP | 05 41 11.6 | | | Um iP | 14 23 05.8 |
| | | Ud iP | 05 37 17.3 | | | Ud iP | 14 23 24.8 |
| | | i(PP) | 05 41 14.9 | | | Kashmir. | |
| | | iPP | 05 41 50.8 | | | Origin time = 14 15 15. | |
| | | De i(PP) | 05 41 25.0 | | | | |
| | | Banda Sea (h = 90 km). | | | | | |
| | | M = 5.5 (Up,Ki). | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|------|---|---------------------------|--------------|------|---|-----------------------------|--------------|
| Sep. | 5 | Ki eP | 14 43 19 | Sep. | 5 | (cont.) | |
| | | Ud iP | 14 43 51.7 | | | Ki iPKP | 17 49 35.5 C |
| | | Luzon (h = N). | | | | ipPKP | 17 49 48.7 |
| | | | | | | | micr sec |
| " | 5 | Up iSn | 15 41 25.2 | | | PKP Z' | 0.6 1.1 |
| | | iSg1 | 15 41 36.4 | | | pPKP Z' | 0.8 1.2 |
| | | Sk iSg1 | 15 43 26.9 | | | Mx E | 7.0 23 |
| | | Um iSg1 | 15 42 14.1 | | | Mx N | 6.5 22 |
| | | iRg | 15 42 42.6 | | | Mx Z | 7.9 21 |
| | | Ud eSn | 15 42 14 | | | Sk iPKP | 17 49 47.0 |
| | | iSg1 | 15 42 38.6 | | | ipPKP | 17 49 59.3 |
| | | iSg2 | 15 42 46.7 | | | Um i(PKP) | 17 49 36.1 |
| | | De e | 15 42 51 | | | iPKP | 17 49 41.8 |
| | | iSg1 | 15 43 04.6 | | | ipPKP | 17 49 54.5 |
| | | Esthonia, 59.5°N, 24.5°E. | | | | iSKP | 17 53 02.7 |
| | | Origin time = 15 39 44. | | | | Ud i(PKP) | 17 49 42.4 |
| | | Explosion. | | | | iPKP | 17 49 52.8 |
| | | | | | | ipPKP | 17 50 05.5 |
| " | 5 | Um iP | 15 43 10.8 | | | iSKP | 17 53 20.2 |
| | | Kurile Islands. | | | | De i(PKP) | 17 49 48.1 |
| | | | | | | i(PKP) | 17 49 51.4 |
| " | 5 | Up iP | 17 31 50.7 C | | | iPKP | 17 49 59.8 |
| | | iPP | 17 35 54.7 | | | iSKP | 17 53 29.4 |
| | | iSKS | 17 42 11.0 | | | | |
| | | | micr sec | | | New Hebrides Islands. | |
| | | P Z' | 0.3 1.0 | | | h = 50 km (Up,Ki,Sk,Um,Ud). | |
| | | Ki iP | 17 31 33.8 C | | | M = 6.4 (Up,Ki). | |
| | | i | 17 31 39.7 | " | 5 | Up iPKP | 18 22 48.1 |
| | | iPP | 17 35 27.2 | | | Ki iPKP | 18 22 32.8 |
| | | | micr sec | | | ipPKP | 18 22 45.9 |
| | | P Z' | 1.2 1.1 | | | | micr sec |
| | | Sk iP | 17 31 55.7 C | | | pPKP Z' | 0.1 1.1 |
| | | iPP | 17 36 02.4 | | | Sk iPKP | 18 22 44.6 |
| | | Um iP | 17 31 39.3 C | | | ipPKP | 18 22 57.5 |
| | | ipP | 17 32 10 | | | Um iPKP | 18 22 39.1 |
| | | iPP | 17 35 36 | | | ipPKP | 18 22 51.8 |
| | | Ud iP | 17 31 58.3 C | | | Ud ePKP | 18 22 49 |
| | | iPP | 17 36 06.1 | | | ipPKP | 18 23 02.5 |
| | | De iP | 17 32 03.9 C | | | De e(PKP) | 18 22 48 |
| | | i(PP) | 17 35 29.1 | | | iPKP | 18 22 55.1 |
| | | iPP | 17 36 16.4 | | | ipPKP | 18 23 07.3 |
| | | Halmahera. | | | | | |
| | | h = 120 km (Um). | | | | New Hebrides Islands. | |
| | | m = 7.0 (Up,Ki). | | | | h = 50 km (Ki,Sk,Um,Ud,De). | |
| " | 5 | Up i(PKP) | 17 49 40.2 | " | 5 | Um iP | 18 43 37.8 |
| | | iPKP | 17 49 50.7 | " | 5 | Ki eSn | 19 28 31 |
| | | ipPKP | 17 50 03.5 | | | iSg1 | 19 28 39.9 |
| | | iSKP | 17 53 18.0 | | | Sk iSg1 | 19 28 54.8 |
| | | | micr sec | | | Um iSg1 | 19 29 12.6 |
| | | PKP Z' | 0.1 1.0 | | | Nordland, Norway, | |
| | | pPKP Z' | 0.2 1.0 | | | 66.6°N, 14.4°E. | |
| | | Mx E | 3.8 20 | | | Origin time = 19 27 16. | |
| | | Mx N | 4.7 20 | | | Explosion? | |
| | | Mx Z | 11 22 | | | | |

(cont.)

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|------|---|-----------------------------|------------|------|---|----------------------------|------------|
| Sep. | 5 | Sk e | 19 30 33 | Sep. | 6 | (cont.) | |
| | | Um i(PP) | 19 30 27.1 | | | Near coast of Hordaland, | |
| | | Ud i(PP) | 19 29 42.0 | | | Norway, 60.3°N, 5.2°E. | |
| | | Peru (h = 150 km). | | | | Origin time = 10 57 47. | |
| | | | | | | Explosion according to | |
| " | 5 | Up eP | 19 54 13 | | | Bergen. | |
| | | Ki iP | 19 53 17.8 | " | 6 | Ki iPg1 | 11 29 59.7 |
| | | Um iP | 19 53 44.6 | | | iSg1 | 11 30 23.0 |
| | | Ud iP | 19 54 10.2 | | | Um iSg1 | 11 32 30.1 |
| | | Aleutian Islands | | | | North Norway. | |
| | | (h = 35 km). | | | | Origin time = 11 29 30. | |
| " | 5 | Ki iP | 20 16 14.3 | | | Explosion. | |
| | | Sk eP | 20 16 32 | " | 6 | Um iP | 11 37 15.5 |
| | | Um iP | 20 16 03.8 | | | Ud iP | 11 36 51.7 |
| | | Ud iP | 20 16 21.6 | | | De iP | 11 36 18.3 |
| | | De iP | 20 16 19.1 | | | Aegean Sea. | |
| | | Hindu Kush (h = 150 km). | | " | 6 | Up eP | 11 53 50 |
| " | 5 | Um iP | 20 23 26.0 | | | Ki eP | 11 53 17 |
| " | 5 | Um iP | 20 29 24.6 | | | | micr sec |
| " | 6 | Up iP | 03 00 07.4 | | | Mx E | 0.9 18 |
| | | Ki iP | 03 00 10.7 | | | Mx N | 0.7 16 |
| | | | micr sec | | | Mx Z | 1.0 17 |
| | | P Z' | 0.1 0.9 | | | Um iP | 11 53 30.8 |
| | | Sk iP | 03 00 30.0 | | | Ud iP | 11 53 55.9 |
| | | Um iP | 03 00 03.4 | | | Japan (h = 15 km). | |
| | | Ud iP | 03 00 22.8 | " | 6 | De iP | 12 27 21.2 |
| | | De iP | 03 00 21.4 | " | 6 | Up eP | 12 41 22 |
| | | Kashmir-Tibet (h = 45 km). | | | | Ki eP | 12 41 27 |
| " | 6 | Up eP | 04 26 36 | | | Ud iP | 12 41 38.7 |
| | | Ki eP | 04 26 12 | | | Kashmir. | |
| | | Ud iP | 04 26 47.9 | | | Origin time = 12 33 28. | |
| | | Ryukyu Islands (h = 45 km). | | " | 6 | Ki eP | 13 19 45 |
| " | 6 | Um i(Sg1) | 04 46 45.7 | | | Ud iP | 13 19 58.9 |
| " | 6 | Ud iP | 07 30 17.0 | | | Tashkent region. | |
| | | De iP | 07 29 53.8 | " | 6 | Ud i(Sg1) | 15 05 04.8 |
| | | Crete. | | | | De i(Sg1) | 15 03 14.0 |
| " | 6 | Um iP | 08 55 14.2 | | | i(Rg) | 15 03 24.6 |
| | | Western Mediterranean Sea | | | | Probably Baltic Sea, south | |
| | | (h = N). | | | | of Sweden. | |
| " | 6 | Up i | 11 00 44.7 | | | Explosion? | |
| | | iSg1 | 11 01 03.6 | " | 6 | De i(Sg1) | 15 16 55.0 |
| | | Sk iSg1 | 11 00 14.0 | " | 6 | Um i(P) | 16 29 12.6 |
| | | Um iSg1 | 11 01 52.8 | " | 6 | Um i(P) | 17 38 30.9 |
| | | Ud iSg1 | 10 59 58.5 | | | | |
| | | De eSg1 | 11 00 51 | | | | |
| | | (cont.) | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | | | |
|------|---|----|-------|----------------------------|------|---|---------|------|--------------------------------|
| 1972 | | | | | 1972 | | | | |
| Sep. | 6 | Up | eP | 18 17 44 | Sep. | 7 | (cont.) | | |
| | | Ki | iP | 18 18 50.8 | | | Ud | ipP | 03 06 42.8 |
| | | Sk | iP | 18 18 21.6 | | | | iPP | 03 09 19.5 |
| | | Ud | iP | 18 17 50.0 | | | De | iP | 03 06 25.5 |
| | | De | iP | 18 17 17.5 C | | | | ipP | 03 06 31.1 |
| | | | | Crete (h = 70 km). | | | | iPP | 03 09 07.2 |
| " | 6 | Up | ePKP2 | 18 30 11 | | | | | Indian Ocean. |
| | | Ki | ePKP2 | 18 30 07 | | | | | h = 20 km (Up,Ki,Sk,Um,Ud,De). |
| | | Um | iPKP2 | 18 30 07.3 | | | | | m = 6.3, M = 5.4 (Up,Ki). |
| | | Ud | ePKP2 | 18 30 24 | " | 7 | Up | iP | 04 32 09.7 |
| | | | | North of Macquarie Islands | | | Ki | eP | 04 32 16 |
| | | | | (h = N). | | | Sk | iP | 04 32 34.2 |
| " | 6 | Sk | iP | 21 21 48.3 | | | Um | iP | 04 32 06.4 |
| | | | | Kashmir. | | | Ud | iP | 04 32 25.8 |
| " | 6 | Um | iP | 22 33 47.1 | | | De | eP | 04 32 24 |
| | | Ud | iP | 22 34 06.2 | | | | | Kashmir (h = N). |
| | | | | Kashmir. | " | 7 | Ki | eP | 05 28 03 |
| " | 7 | Ud | iPKP | 00 56 07.4 | | | Um | iP | 05 28 21.1 |
| | | De | iPKP | 00 56 18.9 C | | | Ud | iP | 05 28 53.5 |
| | | | | Tonga-Kermadec Islands | | | | | Japan (h = 70 km). |
| | | | | (h = 520 km). | " | 7 | Up | iP | 05 53 02.2 |
| " | 7 | Up | eP | 02 30 22 | | | Ud | eP | 05 53 07 |
| | | Ki | eP | 02 30 29 | | | De | iP | 05 52 27.6 |
| | | Um | iP | 02 30 18.7 | " | 7 | Up | eP | 09 16 15 |
| | | Ud | iP | 02 30 38.8 C | | | Ki | iP | 09 15 20.7 |
| | | | | Kashmir. | | | Ud | iP | 09 16 12.9 |
| | | | | Origin time = 02 22 29. | | | De | iP | 09 16 36.6 |
| " | 7 | Up | iP | 03 06 26.5 | | | | | Alaska (h = 70 km). |
| | | | ipP | 03 06 32.1 | " | 7 | Ud | iP | 09 18 33.7 |
| | | | | micr sec | | | | | Kurile Islands. |
| | | P | Z' | 0.3 1.6 | " | 7 | Up | iSn | 10 15 28.6 |
| | | pP | Z' | 0.2 1.3 | | | | iSg1 | 10 15 40.8 |
| | | Mx | E | 1.1 22 | | | Ki | iSg1 | 10 18 16.0 |
| | | Mx | N | 1.0 22 | | | Sk | eSg1 | 10 17 34 |
| | | Mx | Z | 1.6 20 | | | Um | iSg1 | 10 16 14.1 |
| | | Ki | iP | 03 06 49.3 | | | Ud | iSg1 | 10 16 42.0 |
| | | | ipP | 03 06 55.3 | | | | iSg2 | 10 16 48.8 |
| | | | | micr sec | | | De | iSg1 | 10 17 07.8 |
| | | P | Z' | 0.8 2.2 | | | | | Esthonia, 59.5°N, 25.1°E. |
| | | Mx | E | 1.7 19 | | | | | Origin time = 10 13 40. |
| | | Mx | N | 1.7 22 | | | | | Explosion. |
| | | Mx | Z | 1.4 20 | " | 7 | Up | iP | 10 46 34.2 |
| | | Sk | iP | 03 06 51.2 | | | Ki | eP | 10 46 22 |
| | | | ipP | 03 06 56.1 | | | Ud | iP | 10 46 46.9 |
| | | Um | iP | 03 06 35.2 | " | 7 | Ki | iPg1 | 11 30 01.9 |
| | | | ipP | 03 06 40.8 | | | | iSg1 | 11 30 24.8 |
| | | | iS | 03 16 10 | | | | | North Norway. |
| | | Ud | iP | 03 06 37.0 | | | | | (cont.) |
| | | | | (cont.) | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | | | | |
|------|----|---------------------------|------------------------|------------|--------------|------|---|------------------------------|------|--------------|
| 1972 | | | | | | 1972 | | | | |
| Sep. | 7 | (cont.) | | | | Sep. | 8 | (cont.) | | |
| | | Origin time = | 11 29 32. | | | | | Explosion. | | |
| | " | Ki | iP | 11 49 43.0 | | | | Ki | iP | 06 40 46.4 |
| | " | Ud | iP | 11 51 04.5 | | | | Sk | iP | 06 41 21.5 |
| | " | Up | Mx | 21 11 | | | | Um | iP | 06 41 06.5 C |
| | | | | micr sec | | | | Ud | iP | 06 41 37.3 C |
| | | Ki | Mx | Z 1.4 20 | | " | 8 | De | iP | 06 41 54.6 C |
| | | | | micr sec | | | | Japan (h = 70 km). | | |
| | | Mx | E | 0.9 20 | | | | Ki | iPn | 10 27 31.8 |
| | | Mx | N | 1.1 22 | | | | | iSn | 10 28 22.4 |
| | | New Britain (h = 50 km). | | | | | | | iS* | 10 28 37.4 |
| | " | Up | iP | 22 31 05.0 | | | | Um | iPn | 10 28 11.2 |
| | | | ipP | 22 31 07.8 | | | | | iSn | 10 29 30.3 |
| | | | iS | 22 34 26 | | | | | iSg1 | 10 30 05.9 |
| | | | | micr sec | | | | Ud | iSg1 | 10 32 38.4 |
| | | P | Z' | 0.1 0.9 | | | | Northwest USSR-Norway border | | |
| | | pP | Z' | 0.1 0.9 | | | | region, 69.5°N, 31.5°E. | | |
| | | Mx | E | 3.6 12 | | " | 8 | Origin time = 10 26 25. | | |
| | | Mx | N | 6.1 14 | | | | Explosion. | | |
| | | Mx | Z | 4.0 10 | | | | Up | iP2 | 11 38 28.6 |
| | Ki | iP | | 22 32 17.7 | | | | | iS | 11 41 11 |
| | | ipP | | 22 32 19.9 | | | | | | micr sec |
| | | iS | | 22 36 43 | | | | P2 | Z' | 2.9 1.6 |
| | | | | micr sec | | | | Mx | E | 130 17 |
| | | pP | Z' | 0.1 0.8 | | | | Mx | N | 85 18 |
| | | Mx | E | 7.8 15 | | | | Mx | Z | 89 17 |
| | | Mx | N | 5.4 15 | | | | Ki | iP1 | 11 37 22.0 |
| | | Mx | Z | 5.5 13 | | | | | iP2 | 11 37 24.0 D |
| | Sk | iP | | 22 31 21.9 | | | | | iS | 11 39 23.1 |
| | Um | iP | | 22 31 45.6 | | | | | | micr sec |
| | | ipP | | 22 31 48.8 | | | | P2 | Z' | 1.9 0.8 |
| | | iS | | 22 35 38 | | | | Mx | E | 170 17 |
| | Ud | iP | | 22 30 49.7 | | | | Mx | N | 140 15 |
| | | ipP | | 22 30 53.3 | | | | Mx | Z | 86 15 |
| | | iS | | 22 33 47.2 | | | | Sk | iP1 | 11 37 28.3 |
| | De | iP | | 22 30 14.6 | | | | | iP2 | 11 37 30.4 D |
| | | iS | | 22 32 46.5 | | | | | iS | 11 39 28.6 |
| | | France. | | | | | | Um | iP2 | 11 37 58.7 D |
| | | h = 10 km (Up,Ki,Um,Ud). | | | | | | | iS | 11 40 20.3 |
| | | m = 5.2, M = 5.3 (Up,Ki). | | | | | | Ud | iP1 | 11 38 11.8 |
| | " | 8 | Ki | iP | 03 26 47.7 | | | | iP2 | 11 38 14.2 D |
| | | | Um | iP | 03 26 51.7 | | | | iS | 11 40 53.7 |
| | | | Ud | iP | 03 27 11.6 | | | De | iP1 | 11 38 54.8 |
| | | | Banda Sea (h = 70 km). | | | | | | iP2 | 11 38 57.1 D |
| | " | 8 | Um | i(P) | 06 12 00.3 | | | | i(S) | 11 42 22.0 |
| | " | 8 | Up | iP | 06 41 31.2 C | | | Jan Mayen (h = N). | | |
| | | | | micr sec | | | | m = 6.3, M = 6.2 (Up,Ki). | | |
| | | | P | Z' | 0.1 0.9 | | | P1 denotes a small-amplitude | | |
| | | (cont.) | | | | | | phase, preceding the main | | |
| | | | | | | | | onset P2 by about 2.2 sec. | | |
| | | | | | | | | Checked with JB-tables for | | |
| | | | | | | | | depth 0.00, the S-readings | | |
| | | | | | | | | (Up,Ki,Sk,Um) are somewhat | | |
| | | | | | | | | early compared to P, which | | |
| | | | | | | | | may depend on the particular | | |
| | | | | | | | | structure of the region. | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|------|---|----|--------|-----------------------------|------|----|----------------------------|
| Sep. | 8 | Ud | iP | 11 50 24.4 | Sep. | 9 | (cont.) |
| " | 8 | Ki | iP | 11 54 03.5 | | | Ki iPKP 03 03 06.2 |
| | | | | Bismarck Sea (h = 40 km). | | | micr sec |
| " | 8 | Up | eP | 12 41 33 | | | PKP Z' 0.2 1.7 |
| | | Ki | iP | 12 40 45.2 | | | Mx E 7.0 20 |
| | | Ud | iP | 12 41 38.3 | | | Mx N 6.0 20 |
| | | | | Kurile Islands (h = 45 km). | | | Mx Z 12 22 |
| " | 8 | Ki | iP | 13 56 57.1 | | | Um iPKP 03 03 13.5 |
| | | | | Kurile Islands. | | | Ud i(PKP) 03 03 15.6 |
| " | 8 | Ki | iP | 18 00 04.3 | | | iPKP 03 03 24.1 |
| | | Ud | iP | 18 00 28.9 | | | De i(PKP) 03 03 28.9 |
| " | 8 | Up | iPn | 18 04 58.9 | | | iPKP 03 03 32.5 |
| | | | iPg1 | 18 05 08.1 | | | Tonga Islands (h = 35 km). |
| | | | iSn | 18 05 41.9 | | | M = 6.4 (Up,Ki). |
| | | | i | 18 05 49.7 | " | 9 | Up iP 03 07 24.7 |
| | | | iSg1 | 18 05 55.7 | | | Ki eP 03 08 05 |
| | | Ki | i | 18 08 21.2 | | | Sk iP 03 08 01.1 |
| | | | iSg1 | 18 08 35.1 | | | Um iP 03 07 40.2 |
| | | Sk | iSn | 18 07 04.5 | | | Ud iP 03 07 39.2 |
| | | | iSg1 | 18 07 44.1 | | | Iran. |
| | | Um | iSn | 18 06 13.2 | | | Origin time = 03 00 01. |
| | | | iSg1 | 18 06 30.8 | " | 9 | Up eP 03 31 27 |
| | | Ud | iSn | 18 06 29.1 | | | Ud iP 03 31 43.3 |
| | | | iSg1 | 18 06 59.3 | | | De eP 03 31 42 |
| | | De | iPn | 18 05 37.2 | | | Kashmir. |
| | | | iSg1 | 18 07 22.8 | | | Origin time = 03 23 34. |
| | | | | Esthonia, 59.5°N, 24.8°E. | " | 9 | Ki iP 06 02 20.3 |
| | | | | Origin time = 18 04 00. | | | Bismarck Sea (h = 5 km). |
| | | | | Explosion. | " | 9 | Um iP 07 33 19.5 |
| " | 8 | Ud | iP | 20 11 32.7 | " | 9 | Ki iPg1 11 29 59.3 |
| " | 9 | Ud | eP | 00 33 25 | | | iSg1 11 30 22.0 |
| " | 9 | Up | iP | 01 49 54.2 C | | | Um iSg1 11 32 30.0 |
| | | Ki | iP | 01 50 31.4 C | | | North Norway. |
| | | Sk | iP | 01 50 29.1 | | | Origin time = 11 29 30. |
| | | Um | iP | 01 50 07.9 | | | Explosion. |
| | | Ud | iP | 01 50 09.5 | " | 9 | Um iP 20 29 56.1 |
| | | De | iP | 01 49 52.8 | | | Banda Sea (h = 340 km). |
| | | | | Iran (h = 50 km). | " | 9 | Ud iP 21 48 28.9 |
| " | 9 | Up | i(PKP) | 03 03 14.2 | | | De iP 21 47 59.1 |
| | | | iPKP | 03 03 20.3 | | | Dodecanese Islands. |
| | | | | micr sec | " | 10 | Ud iP 02 01 32.9 |
| | | | PKP | Z' 0.1 1.4 | " | 10 | Ud iP 02 05 33.1 |
| | | | Mx | E 2.7 20 | | | Kurile Islands. |
| | | | Mx | N 4.5 21 | " | 10 | Up eP 02 53 42 |
| | | | Mx | Z 7.6 20 | | | Ud iP 02 53 57.7 |
| | | | | (cont.) | | | Kashmir. |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|------------------------------|--------|--------------|---------|-----------------------------|------|--------------|
| Sep. 10 | Up | iP | 02 57 29.5 | Sep. 10 | (cont.) | | |
| | Ki | iP | 02 56 36.0 C | | North Norway. | | |
| | | | micr sec | | Origin time = 11 29 30. | | |
| | | P | Z' 0.1 1.0 | | Explosion. | | |
| | Sk | iP | 02 57 02.9 C | " 10 | Up | iP | 12 27 32.1 |
| | Um | iP | 02 57 03.7 C | | Um | iP | 12 27 14.9 |
| | Ud | iP | 02 57 26.3 | | Ud | iP | 12 27 26.5 |
| | De | eP | 02 57 56 | | | | |
| | Kodiak Island (h = N). | | | " 10 | Um | iP | 13 51 24.8 |
| " 10 | Sk | iP | 03 03 57.4 | | Panama (h = 35 km). | | |
| | Kodiak Island (h = N). | | | " 10 | Ud | iP | 15 24 56.8 |
| " 10 | Ki | iP | 03 09 02.1 | " 10 | Sk | eP | 15 42 17 |
| | Kodiak Island (h = N). | | | | Ud | iP | 15 42 12.0 C |
| " 10 | Up | iP | 05 08 36.4 D | | | i | 15 42 25.7 |
| | Ud | iP | 05 08 52.8 | " 10 | Ud | iP | 15 58 58.9 |
| | De | iP | 05 08 49.4 | | | | |
| | Hindu Kush (h = 210 km). | | | " 10 | Up | iP | 18 38 27.5 |
| " 10 | Up | iSKP | 06 26 20.3 | " 10 | Sk | iP | 18 51 03.7 |
| | | | micr sec | " 10 | Ud | ePKP | 19 57 42 |
| | | SKP | Z' 0.1 1.3 | | Fiji Islands (h = 550 km). | | |
| | | Mx | E 3.2 21 | " 10 | Up | iP | 20 23 53.2 |
| | | Mx | N 4.3 20 | | Ki | iP | 20 23 21.8 C |
| | | Mx | Z 5.4 20 | | Sk | iP | 20 23 50.5 |
| | Ki | iPKP | 06 22 37.6 | | Ud | iP | 20 24 00.1 C |
| | | | micr sec | | Bonin Islands (h = 520 km). | | |
| | | Mx | E 3.0 18 | " 10 | Up | iP | 21 06 04.0 C |
| | | Mx | N 3.9 19 | | | ipP | 21 06 14.7 |
| | | Mx | Z 4.7 20 | | | | micr sec |
| | Loyalty Islands (h = 40 km). | | | | | P | Z' 0.1 0.7 |
| | M = 6.3 (Up,Ki). | | | | | pP | Z' 0.1 0.7 |
| " 10 | Ud | ePKP | 08 59 43 | | Ki | iP | 21 05 58.2 C |
| | De | iPKP | 08 59 51.1 | | | ipP | 21 06 08.5 |
| | Fiji Islands (h = 540 km). | | | | | | micr sec |
| " 10 | Up | iPKP | 11 26 44.7 | | | P | Z' 0.1 0.6 |
| | Ki | iPKP | 11 26 31.2 | | Sk | iP | 21 06 22.9 |
| | Sk | ePKP | 11 26 39 | | | i | 21 06 36.4 |
| | Ud | e(PKP) | 11 26 25 | | Um | iP | 21 05 54.9 |
| | | i(PKP) | 11 26 33.9 | | Ud | iP | 21 06 19.8 C |
| | | iPKP | 11 26 45.9 | | | i | 21 06 23.2 |
| | De | i(PKP) | 11 26 44.7 | | | ipP | 21 06 30.0 |
| | | iPKP | 11 26 54.2 | | | i | 21 06 32.4 |
| | Loyalty Islands | | | | De | iP | 21 06 21.8 C |
| | (h = 60 km). | | | | | ipP | 21 06 32.1 |
| " 10 | Ki | iPg1 | 11 29 59.3 | | | i | 21 06 35.0 |
| | | iSg1 | 11 30 22.1 | | Sinkiang. | | |
| | Sk | eSg1 | 11 33 08 | | h = 40 km (Up,Ki,Ud,De). | | |
| | Um | i | 11 32 25.4 | | m = 5.7 (Up,Ki). | | |
| | | iSg1 | 11 32 29.8 | | | | |
| | (cont.) | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|----|-----------------------------|--------------|---------|---------|---------------------|---------------------------|
| Sep. 10 | Up | e(P) | 21 30 21 | Sep. 11 | (cont.) | | |
| | Ud | iP | 21 30 14.1 | | Ki | | micr sec |
| | De | eP | 21 29 48.5 | | Mx | N | 0.8 19 |
| | | Crete. | | | Mx | Z | 1.0 17 |
| " 10 | Ud | iP | 22 04 13.0 | | | | Bismarck Sea (h = 15 km). |
| | | | | | | | M = 5.7 (Up,Ki). |
| " 11 | Up | iP | 03 13 57.3 D | " 11 | Up | iX | 13 50 10.4 |
| | | ipP | 03 14 03.8 | | | iPP | 13 54 11.7 |
| | Ki | iP | 03 13 01.9 D | | | | micr sec |
| | | ipP | 03 13 08.4 | | Mx | E | 2.4 18 |
| | | | micr sec | | Mx | N | 5.3 24 |
| | P | Z' | 0.1 1.0 | | Mx | Z | 6.7 24 |
| | pP | Z' | 0.1 1.0 | | Ki | iP | 13 49 34.6 |
| | Sk | iP | 03 13 28.9 | | | | micr sec |
| | Um | iP | 03 13 30.6 D | | Mx | E | 5.2 20 |
| | Ud | iP | 03 13 53.6 | | Mx | N | 7.8 24 |
| | De | iP | 03 14 17.4 | | Mx | Z | 2.9 22 |
| | | ipP | 03 14 24.5 | | Sk | eX | 13 50 13 |
| | | Alaska. | | | | iPP | 13 54 33.0 |
| | | h = 25 km (Up,Ki,De). | | | Um | iX | 13 49 55.9 |
| " 11 | De | iP | 07 51 59.9 | | | i | 13 50 13.1 |
| | | France (h = N). | | | Ud | iP | 13 50 02.1 |
| " 11 | Ki | eP | 08 04 15 | | | iX | 13 50 19.6 |
| " 11 | Ki | iPg1 | 11 30 00.9 | " 11 | Ki | eP | 16 57 05 |
| | | iSg1 | 11 30 23.8 | | | Hindu Kush. | |
| | Sk | eSg1 | 11 33 03 | | | Intermediate depth. | |
| | Um | i | 11 33 27.8 | " 11 | Um | iP | 18 38 37.2 |
| | | iSg1 | 11 33 31.0 | | Ud | eP | 18 39 16 |
| | | North Norway. | | " 11 | Ki | iP | 20 49 30.1 |
| | | Origin time = 11 29 32. | | " 12 | Um | iP | 00 14 40.8 |
| | | Explosion. | | " 12 | Ud | iP | 01 43 28.5 |
| " 11 | Up | Mx | 11 40 | " 12 | | | Aleutian Islands |
| | | | micr sec | | | | (h = 210 km). |
| | Mx | E | 1.0 21 | " 12 | Ud | iP | 01 57 47.5 |
| | Mx | N | 0.9 20 | | | Caucasus. | |
| | MX | Z | 0.8 19 | " 12 | Um | iP | 02 28 14.9 |
| | | Bismarck Sea (h = N). | | " 12 | Up | Mx | 04 54 |
| " 11 | Ki | iP | 11 40 59.9 | | | | micr sec |
| | | Off Pacific coast of Mexico | | | Mx | E | 1.2 21 |
| | | (h = N). | | | Mx | N | 1.0 23 |
| " 11 | Up | Mx | 12 21 | | Mx | Z | 1.9 20 |
| | | | micr sec | | Ki | Mx | 04 57 |
| | Mx | E | 1.3 22 | | | | micr sec |
| | Mx | N | 1.3 23 | | Mx | E | 1.0 19 |
| | Mx | Z | 3.0 22 | | | (cont.) | |
| | Ki | Mx | 12 21 | | | (cont.) | |
| | | | micr sec | | | | |
| | Mx | E | 1.3 19 | | | | |
| | | (cont.) | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | | | |
|---------|---------|--|----------|--------------|---------|------------------------------|--|--------------|--------------|
| Date | Station | Phase | Time | Date | Station | Phase | Time | | |
| Sep. 12 | Ki | | | Sep. 13 | Ud | iPKP | 01 26 00.4 | | |
| | | Mx | N 0.9 20 | | De | iPKP | 01 26 11.9 | | |
| | | Mx | Z 1.1 18 | | " | 13 | Up | iP | 01 59 14.4 |
| | | Off Pacific coast of Mexico (h = N). M = 5.5 (Up,Ki). | | | Ud | iP | 01 59 22.8 | | |
| " | 12 | Ud | i(Sg1) | 11 07 15.4 | " | 13 | Ud | iP | 01 59 22.8 |
| " | 12 | De | i(Sg1) | 11 05 24.8 | " | 13 | Japan (h = 30 km). | | |
| " | 12 | Um | iSg1 | 14 15 55.5 | " | 13 | Up | iP | 04 18 09.1 D |
| " | 12 | Ud | iSg1 | 14 16 39.0 | | | iS | 04 22 04 | |
| " | 12 | De | iSg1 | 14 17 03.3 | | | iScP | 04 25 32.6 | |
| | | Western USSR. Explosion. | | | | | iScS | 04 29 15.8 | |
| " | 12 | Ki | iP | 14 29 05.2 | | | | micr sec | |
| " | 12 | Sk | i(P) | 15 37 47.1 | | | P | Z' | 2.4 1.1 |
| " | 12 | Up | iSg1 | 16 31 08.9 | | | Mx | E | 7.8 10 |
| " | 12 | Ki | eSg1 | 16 34 09 | | | Mx | N | 7.2 8 |
| " | 12 | Sk | eSg1 | 16 31 21 | | | Mx | Z | 13 8 |
| " | 12 | Um | iSg1 | 16 32 44.1 | | | Ki | iP | 04 19 21.8 D |
| " | 12 | Ud | iSg1 | 16 30 15.9 | | | iPP | 04 20 09.4 | |
| " | 12 | De | iSg1 | 16 29 53.6 | | | iS | 04 24 13 | |
| | | North Sea, 56.7°N, 5.0°E. Origin time = 16 27 20. | | | | | | micr sec | |
| " | 12 | Ki | iPg1 | 17 29 58.9 | | | P | Z' | 1.5 1.4 |
| " | 12 | | iSg1 | 17 30 21.8 | | | Mx | E | 6.6 8 |
| " | 12 | Sk | eSg1 | 17 33 01 | | | Mx | N | 7.0 8 |
| " | 12 | Um | iSg1 | 17 32 26.8 | | | Mx | Z | 5.3 9 |
| | | North Norway. Explosion. Origin time = 17 29 30. | | | | Sk | iP | 04 18 49.9 D | |
| " | 12 | Ki | iSg1 | 18 22 01.7 | | | Um | iP | 04 18 45.4 D |
| " | 12 | Sk | iSg1 | 18 22 06 | | | iS | 04 23 03 | |
| " | 12 | Um | iSn | 18 22 15.2 | | | Ud | iP | 04 18 16.3 D |
| " | 12 | | iSg1 | 18 22 29.5 | | | iS | 04 22 22.0 | |
| " | 12 | Ud | iSg1 | 18 23 56.9 | | | De | iP | 04 17 40.9 D |
| | | Nordland, Norway, 66.5°N, 13.9°E. Origin time = 18 20 32. Explosion. | | | | | iS | 04 21 15.1 | |
| " | 12 | Um | iP | 23 10 51.1 | | | Greece (h = 80 km). m = 6.6, M = 5.8 (Up,Ki). | | |
| | | Kurile Islands. | | " | 13 | Up | ePKP | 06 41 41 | |
| " | 12 | Up | iPKP | 23 15 54.5 | " | 13 | Ki | iPKP | 06 41 30.7 |
| " | 12 | Sk | iPKP | 23 15 48.8 | " | 13 | Sk | iPKP | 06 41 41.0 |
| " | 12 | Um | iPKP | 23 15 43.3 C | " | 13 | Um | i(PKP) | 06 41 31.6 |
| " | 12 | Ud | iPKP | 23 15 56.1 C | " | 13 | iPKP | 06 41 37.3 | |
| | | | | | | Loyalty Islands (h = 50 km). | | | |
| " | 12 | Um | iP | 23 10 51.1 | " | 13 | Up | iPKP | 07 33 33.2 |
| | | | | " | 13 | Um | iPKP | 07 33 27.1 C | |
| " | 12 | Up | iPKP | 23 15 54.5 | " | 13 | Ud | iPKP | 07 33 35.0 C |
| " | 12 | Sk | iPKP | 23 15 48.8 | " | 13 | De | iPKP | 07 33 46.3 C |
| " | 12 | Um | iPKP | 23 15 43.3 C | " | 13 | Tonga-Kermadec Islands (h = 510 km). | | |
| " | 12 | Ud | iPKP | 23 15 56.1 C | " | 13 | De | i(P) | 10 57 26.1 |
| " | 12 | Up | iPKP | 23 15 54.5 | " | 13 | Sk | eP | 11 15 34 |
| " | 12 | Sk | iPKP | 23 15 48.8 | " | 13 | i | 11 15 42.8 | |
| " | 12 | Um | iPKP | 23 15 43.3 C | " | 13 | Ud | iP | 11 53 23.5 |
| " | 12 | Ud | iPKP | 23 15 56.1 C | " | 13 | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | |
|---------|----|------------------|------------|---------|----|-------------------------|------------|
| 1972 | | | | 1972 | | | |
| Sep. 13 | Up | ePKP | 13 11 33 | Sep. 13 | Up | i(PKP) | 14 52 41.2 |
| | | iPP | 13 14 10.1 | | | iPKP | 14 52 53.7 |
| | | iSKP | 13 15 10.6 | | | iPP | 14 55 29.9 |
| | | | micr sec | | | iSKP1 | 14 56 26.3 |
| | Mx | E | 1.0 20 | | | iSKP2 | 14 56 32.1 |
| | Mx | N | 1.4 19 | | | | micr sec |
| | Mx | Z | 2.2 20 | | | SKP1 | Z' 0.3 1.8 |
| | Ki | ePKP | 13 11 18 | | | SKP2 | Z' 0.2 1.2 |
| | | | micr sec | | | Mx | E 5.4 23 |
| | | Mx | E 1.5 20 | | | Mx | N 11 23 |
| | | Mx | N 2.1 20 | | | Mx | Z 16 20 |
| | | Mx | Z 1.6 21 | | Ki | iPKP | 14 52 41.9 |
| | Sk | ePKP | 13 11 32 | | | iPP | 14 54 42 |
| | | eSKP | 13 15 03 | | | iSKP | 14 56 06.1 |
| | Um | ePKP | 13 11 27 | | | | micr sec |
| | Ud | ePKP | 13 11 36 | | | Mx | E 9.4 21 |
| | | iSKP | 13 15 16.5 | | | Mx | N 16 21 |
| | De | e(PKP) | 13 11 36 | | | Mx | Z 13 22 |
| | | iPKP | 13 11 44.2 | | Um | i(PKP) | 14 52 41.3 |
| | | Loyalty Islands | | | | iPKP | 14 52 48.0 |
| | | (h = 30 km). | | | | iPP | 14 55 04 |
| | | M = 5.9 (Up,Ki). | | | | iSKP | 14 56 12.3 |
| " 13 | Ud | iPKP | 13 18 10.0 | | Ud | i(PKP) | 14 52 44.2 |
| | | Loyalty Islands | | | | iPKP | 14 52 56.2 |
| | | (h = 90 km). | | | | iPP | 14 55 40.2 |
| " 13 | Up | iSKP | 13 29 40.7 | | | iSKP | 14 56 29.1 |
| | Ki | ePKP | 13 26 03 | | De | i(PKP) | 14 52 55.1 |
| | Sk | ePKP | 13 26 13 | | | iPKP | 14 53 03.1 |
| | Um | iSKP | 13 29 33.5 | | | iPP | 14 55 58.4 |
| | Ud | iPKP | 13 26 15.5 | | | iSKP | 14 56 38.6 |
| | | iSKP | 13 29 49.7 | | | Loyalty Islands | |
| | De | iPKP | 13 26 20.7 | | | (h = 35 km). | |
| | | Loyalty Islands | | | | M = 6.6 (Up,Ki). | |
| | | (h = 80 km). | | " 13 | Up | iSKP1 | 15 00 25.7 |
| " 13 | Ud | iPKP | 13 51 57.0 | | | iSKP2 | 15 00 33.9 |
| | | Loyalty Islands | | | Ki | iPKP | 14 56 43.2 |
| | | (h = 35 km). | | | Um | iSKP | 15 00 09.2 |
| " 13 | Sk | iP | 13 52 33.9 | | | i | 15 00 15.8 |
| " 13 | Ud | i(Sg1) | 14 05 55.2 | | Ud | eSKP | 15 00 29 |
| | De | e(Sg1) | 14 04 09 | | De | iSKP | 15 00 37.6 |
| | | iRg | 14 04 16.4 | | | Loyalty Islands. | |
| " 13 | Up | iSKP | 14 14 50.2 | | | Origin time = 14 37 38. | |
| | Ki | ePKP | 14 11 03 | " 13 | Up | i | 15 15 15.3 |
| | Sk | ePKP | 14 11 11 | | | iSKP | 15 18 30.9 |
| | Ud | ePKP | 14 11 20 | | Ki | iPKP | 15 14 47.1 |
| | De | e(PKP) | 14 11 20 | | Um | ePKP | 15 14 54 |
| | | iPKP | 14 11 23.7 | | | i | 15 15 00.2 |
| | | Loyalty Islands | | | | iSKP | 15 18 21.3 |
| | | (h = 60 km). | | | | i | 15 18 29.1 |
| | | | | | Ud | ePKP | 15 14 55 |
| | | | | | | iSKP | 15 18 37.6 |
| | | | | | | i | 15 18 44.0 |
| | | | | | De | iPKP | 15 15 01.1 |
| | | | | | | i | 15 15 08.4 |
| | | | | | | Loyalty Islands | |
| | | | | | | (h = 55 km). | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|---|--------|------------|---------|---|--------|--------------|
| Sep. 13 | Up | i(P) | 15 21 25.7 | Sep. 14 | Ud | iP | 15 28 17.2 |
| | Ud | i(P) | 15 21 29.0 | | | | |
| | | i | 15 21 36.4 | " 14 | Ud | iP | 21 13 31.3 |
| " 13 | Up | iP | 18 48 30.4 | " 14 | Sk | eP | 22 21 51 |
| | Ki | iP | 18 47 37.8 | | Um | eP | 22 21 50 |
| | Um | iP | 18 48 02.5 | | Yugoslavia. | | |
| | Ud | iP | 18 48 34.3 | " 15 | Up | eSKP | 03 34 01 |
| | De | iP | 18 48 55.0 | | | | micr sec |
| | Kamchatka (h = N). | | | | | SKP Z' | 0.1 1.5 |
| " 13 | Ud | e(P) | 21 04 49 | | Ud | eSKP | 03 34 07 |
| | Greece. | | | | Fiji Islands (h = 600 km). | | |
| " 13 | Up | iP | 21 20 31.6 | " 15 | Ud | iP | 05 58 38.8 |
| | Ud | iP | 21 20 30.4 | " 15 | Ud | iP | 07 18 00.8 C |
| | De | iP | 21 20 52.3 | | Kashmir. | | |
| | Aleutian Islands (h = 50 km). | | | " 15 | Up | ePKP | 07 57 32 |
| " 14 | Up | ePKP | 09 43 29 | | | | micr sec |
| | | iPP | 09 46 12.5 | | | PKP Z' | 0.1 1.1 |
| | | | micr sec | | D'Entrecasteaux Islands (h = 15 km). | | |
| | Mx | N | 0.6 21 | " 15 | Ki | iSn | 12 10 58.5 |
| | Mx | Z | 0.6 21 | | | iS* | 12 11 17.2 |
| | Ki | ePKP | 09 43 10 | | Sk | iSg1 | 12 13 44.7 |
| | | i | 09 43 27.0 | | Um | iSg1 | 12 12 16.4 |
| | Um | i(PKP) | 09 43 08.8 | | Northwest USSR. Explosion. | | |
| | | iPKP | 09 43 20.3 | " 15 | Ud | iP | 12 26 17.9 |
| | De | ePKP | 09 43 32 | " 15 | Up | | micr sec |
| | Loyalty Islands (h = N). | | | | | Mx N | 0.7 20 |
| " 14 | Up | iSKP | 13 00 17.4 | | | Mx Z | 1.1 20 |
| | Sk | iSKP | 13 00 10.0 | | Ki | iPKP | 13 37 49.6 |
| | Um | iSKP | 12 59 59.8 | | | | micr sec |
| | Ud | iSKP | 13 00 20.8 | | | PKP Z' | 0.1 1.0 |
| | De | iSKP | 13 00 26.4 | | | Mx E | 0.8 21 |
| | New Hebrides Islands (h = 210 km). | | | | | Mx N | 1.0 21 |
| " 14 | Sk | iSg1 | 15 10 56.5 | | | Mx Z | 1.0 21 |
| | Ud | eSn | 15 09 37 | | Sk | iPKP | 13 38 01.0 |
| | | iS* | 15 09 49.2 | | De | iPKP | 13 38 14.3 |
| | | iSg1 | 15 09 55.5 | | Loyalty Islands (h = 20 km). M = 5.6 (Up,Ki). | | |
| | Southwest Norway, 58.4°N, 6.5°E. Origin time = 15 07 48. By combination with Bergen and Kongsberg readings. | | | " 15 | Ki | iSg1 | 16 16 08.8 |
| " 14 | Up | iP | 15 16 02.2 | | Sk | iSg1 | 16 16 13.5 |
| | Ud | iP | 15 16 03.3 | | Um | iSg1 | 16 16 35.3 |
| | De | iP | 15 16 34.4 | | Nordland, Norway, 66.5°N, 14.1°E. Origin time = 16 14 39. Explosion. | | |
| " 14 | Up | i(P) | 15 24 01.9 | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | | 1972 | | | | |
|---------|------------------------------|--------|------|------------|---------|---------------------------|---------------|-------|---------|
| Sep. 15 | Up | | micr | sec | Sep. 15 | Ki | iPKP | 23 07 | 16.3 |
| | | Mx | E | 0.7 19 | | Sk | ePKP | 23 07 | 25 |
| | | Mx | N | 0.8 19 | | Um | i(PKP) | 23 07 | 18.6 |
| | | Mx | Z | 1.3 19 | | | iPKP | 23 07 | 23.3 |
| | Ki | eX | | 18 06 11 | | Ud | iPKP | 23 07 | 32.1 |
| | | | micr | sec | | | | | |
| | | Mx | E | 0.8 19 | " 15 | De | iPKP | 23 46 | 04.1 |
| | | Mx | N | 0.6 19 | | Fiji Islands | (h = 610 km). | | |
| | | Mx | Z | 0.9 17 | " 16 | Um | i(P) | 02 23 | 04.7 |
| | Sk | eX | | 18 06 21 | " 16 | Sk | ePKP | 03 39 | 50 |
| | Ud | iPKP | | 18 06 14.1 | " 16 | Ud | iPKP | 03 39 | 59.5 |
| | De | iX | | 18 06 37.6 | | | | | |
| | Loyalty Islands (h = 25 km). | | | | | | | | |
| | M = 5.6 (Up,Ki). | | | | " 16 | Up | iP | 03 57 | 56.0 |
| " 15 | Up | iP | | 18 23 11.2 | | | iPP | 03 58 | 19.8 |
| | Ki | iP | | 18 23 41.3 | | | iS | 04 01 | 37 |
| | Um | iP | | 18 23 26.4 | | | | | |
| | Ud | eP | | 18 23 26 | | | P | Z' | 0.1 1.0 |
| | De | iP | | 18 23 14.5 | | | Mx | E | 3.8 12 |
| " 15 | Ud | iP | | 21 19 39.7 | | | Mx | N | 3.1 16 |
| " 15 | Ud | eP | | 21 21 59 | | | Mx | Z | 7.4 14 |
| " 15 | Up | iP | | 21 37 26.7 | | Ki | iP | 03 59 | 15.0 |
| | | ipP | | 21 37 53.7 | | | i(Pn) | 03 59 | 53.2 |
| | Ki | iP | | 21 37 01.9 | | | | | |
| | | ipP | | 21 37 28.2 | | | | | |
| | Sk | iP | | 21 37 30.0 | | | P | Z' | 0.1 1.0 |
| | | ipP | | 21 37 57.6 | | | Mx | E | 8.9 15 |
| | Um | iP | | 21 37 10.3 | | | Mx | N | 2.5 12 |
| | | ipP | | 21 37 37.9 | | | Mx | Z | 2.7 12 |
| | Ud | iP | | 21 37 37.1 | | Sk | iP | 03 58 | 38.4 |
| | | ipP | | 21 38 03.2 | | Um | iP | 03 58 | 36.9 |
| | De | eP | | 21 37 46 | | | i(Pn) | 03 58 | 57.3 |
| | Ryukyu Islands. | | | | | | iS | 04 02 | 48 |
| | h = 110 km (Up,Ki,Sk,Um,Ud). | | | | | Ud | iP | 03 58 | 02.2 |
| | | | | | | | i | 03 58 | 04.6 |
| " 15 | Up | iSKP2 | | 22 04 42.5 | | De | iP | 03 57 | 21.2 |
| | Ki | iPKP | | 22 01 38.7 | | | i | 03 57 | 23.7 |
| | Sk | ePKP | | 22 01 49 | " 16 | Albania (h = 15 km). | | | |
| | | iSKP | | 22 04 29.0 | | m = 5.3, M = 5.3 (Up,Ki). | | | |
| | Um | iPP | | 22 04 07.8 | " 16 | Sk | ePKP | 04 34 | 00 |
| | | iSKP | | 22 04 24.6 | | New Guinea (h = 5 km). | | | |
| | Ud | i(PKP) | | 22 01 43.3 | " 16 | Ki | iP | 05 31 | 36.7 |
| | | iPKP | | 22 01 56.1 | " 16 | | | | |
| | | iSKP1 | | 22 04 38.8 | " 16 | Ki | eP | 08 41 | 35 |
| | | iSKP2 | | 22 04 45.8 | | Sk | iP | 08 41 | 52.1 |
| | De | i(PKP) | | 22 01 53.9 | " 16 | Ud | iP | 08 41 | 44.0 |
| | Fiji Islands (h = 540 km). | | | | " 16 | Ud | iP | 09 19 | 19.1 |
| " 15 | Um | iP | | 22 21 27.5 | " 16 | Up | iP | 09 27 | 23.8 |
| | Ud | iP | | 22 21 46.6 | | | ipP | 09 27 | 33.6 |
| | (Pakistan). | | | | | | iPP | 09 30 | 50.4 |
| | | | | | | | iSKS | 09 37 | 50 |

(cont.)

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

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Sep. 16

(cont.)

| | | | | |
|----|------|----|-------|------|
| Up | | | micr | sec |
| | P | Z' | 0.1 | 1.1 |
| | pP | Z' | 0.1 | 0.9 |
| | Mx | E | 2.4 | 21 |
| | Mx | N | 3.5 | 24 |
| | Mx | Z | 7.7 | 24 |
| Ki | iP | | 09 27 | 10.5 |
| | ipP | | 09 27 | 20.2 |
| | iPP | | 09 30 | 27.6 |
| | iSKS | | 09 37 | 36 |
| | | | micr | sec |
| | P | Z' | 0.1 | 1.0 |
| | pP | Z' | 0.1 | 0.9 |
| | PP | Z' | 0.2 | 1.4 |
| | Mx | E | 4.4 | 24 |
| | Mx | N | 3.0 | 22 |
| | Mx | Z | 5.8 | 23 |
| Sk | iP | | 09 27 | 05.6 |
| | iPP | | 09 30 | 20.0 |
| Um | iP | | 09 27 | 19.3 |
| | ipP | | 09 27 | 28.6 |
| | iSKS | | 09 37 | 45 |
| Ud | iP | | 09 27 | 14.6 |
| | ipP | | 09 27 | 24.7 |
| De | iP | | 09 27 | 22.6 |
| | ipP | | 09 27 | 32.2 |
| | iPP | | 09 30 | 49.9 |

Mexico.

h = 35 km (Up,Ki,Um,Ud,De).

m = 6.2, M = 5.8 (Up,Ki).

" 16

| | | | | |
|----|-----|----|-------|--------|
| Up | iP | | 11 04 | 58.3 C |
| | | | micr | sec |
| | P | Z' | 0.1 | 1.0 |
| Ki | iP | | 11 04 | 41.9 C |
| | | | micr | sec |
| | P | Z' | 0.1 | 0.9 |
| Sk | iP | | 11 05 | 03.0 C |
| Um | iP | | 11 04 | 47.7 C |
| Ud | iP | | 11 05 | 06.7 C |
| | ipP | | 11 05 | 45.8 |
| De | iP | | 11 05 | 12.7 C |

Halmahera.

h = 160 km (Ud).

m = 6.2 (Up,Ki).

" 16

| | | | | |
|----|----|---|------|-----|
| Up | | | micr | sec |
| | Mx | E | 0.9 | 22 |
| | Mx | N | 0.7 | 20 |
| | Mx | Z | 1.4 | 20 |
| Ki | | | micr | sec |
| | Mx | E | 0.9 | 20 |
| | Mx | N | 1.1 | 20 |
| | Mx | Z | 1.4 | 20 |

(cont.)

1972

Sep. 16

(cont.)

| | | | | |
|------------------------------|------|--|-------|------|
| Um | iPKP | | 12 30 | 10.0 |
| Ud | iPKP | | 12 30 | 20.3 |
| Solomon Islands (h = 55 km). | | | | |
| M = 5.6 (Up,Ki). | | | | |

" 16

| | | | | |
|----|--------|---|-------|------|
| Up | | | micr | sec |
| | Mx | Z | 0.7 | 18 |
| Ki | iP | | 14 04 | 56.4 |
| | | | micr | sec |
| | Mx | E | 0.6 | 18 |
| | Mx | N | 0.7 | 17 |
| | Mx | Z | 0.6 | 18 |
| Sk | iP | | 14 04 | 23.0 |
| | ipP | | 14 04 | 33.1 |
| Um | iP | | 14 04 | 36.2 |
| | ipP | | 14 04 | 45.9 |
| | i(PcP) | | 14 05 | 04.5 |
| Ud | iP | | 14 04 | 04.5 |
| | ipP | | 14 04 | 15.1 |

North of Ascension Island.
h = 35 km (Sk,Um,Ud).

" 16

| | | | | |
|----|----|--|-------|------|
| Up | iP | | 14 10 | 49.0 |
| Ki | eP | | 14 12 | 08 |
| Sk | iP | | 14 11 | 29.7 |
| Um | iP | | 14 11 | 28.1 |
| Ud | iP | | 14 10 | 53.1 |
| | i | | 14 10 | 54.9 |
| De | iP | | 14 10 | 13.7 |
| | i | | 14 10 | 16.2 |

Albania-Yugoslavia
(h = 5 km).

" 16

| | | | | |
|---------------------------------|----|--|-------|------|
| Ki | iP | | 14 17 | 56.4 |
| Ud | iP | | 14 18 | 24.6 |
| Molucca Passage (h = 70 km). | | | | |

" 16

| | | | | |
|----|----|--|-------|------|
| Um | iP | | 14 24 | 39.9 |
|----|----|--|-------|------|

" 16

| | | | | |
|----|----|--|-------|------|
| Ud | iP | | 14 40 | 51.8 |
| De | iP | | 14 40 | 15.1 |

Albania-Yugoslavia.

" 16

| | | | | |
|------------------------------|----|---|-------|-----|
| Up | Mx | | 17 11 | |
| | | | micr | sec |
| | Mx | Z | 0.6 | 18 |
| Solomon Islands (h = 50 km). | | | | |

" 16

| | | | | |
|----|----|--|-------|------|
| Ud | iP | | 18 35 | 57.8 |
| De | eP | | 18 35 | 36 |

" 17

| | | | | |
|------------------------------|----|--|-------|----|
| Ud | eP | | 01 10 | 33 |
| Molucca Passage (h = 70 km). | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | | | |
|---------|----|------|-------------------------------|--|---------|----|----|-------------------------------|--|
| 1972 | | | | | 1972 | | | | |
| Sep. 17 | Ud | iP | 02 39 12.9 | | Sep. 17 | Ud | iP | 13 53 35.7 | |
| | | | Aleutian Islands | | | | | | |
| | | | (h = 35 km). | | " 17 | Up | iP | 14 12 03.1 C | |
| " 17 | Up | iSg1 | 04 26 07.9 | | | iS | | 14 15 50 | |
| | Ki | iPn | 04 21 52.9 | | | | | micr sec | |
| | | iSn | 04 22 52.6 | | | P | Z' | 2.9 1.2 | |
| | | iS* | 04 23 10.8 | | | Mx | E | 77 11 | |
| | Sk | eSg1 | 04 25 38 | | | Mx | N | 48 11 | |
| | Um | iSn | 04 23 32.7 | | | Mx | Z | 70 12 | |
| | | i | 04 23 44.2 | | Ki | iP | | 14 13 18.6 C | |
| | | iSg1 | 04 24 07.0 | | | iS | | 14 18 09 | |
| | Ud | iSg1 | 04 26 37.4 | | | | | micr sec | |
| | | | Northwest USSR, | | | P | Z' | 0.5 1.1 | |
| | | | 67.8°N, 34.2°E. | | | Mx | E | 200 18 | |
| | | | Origin time = 04 20 33. | | | Mx | N | 65 13 | |
| | | | Explosion. | | | Mx | Z | 67 13 | |
| " 17 | Ud | iPKP | 09 37 00.4 | | Sk | iP | | 14 12 43.1 C | |
| | De | iPKP | 09 37 11.7 | | | iS | | 14 17 20.1 | |
| | | | Fiji Islands (h = 630 km). | | Um | iP | | 14 12 41.1 C | |
| " 17 | Up | iSg1 | 10 16 48.9 | | | iS | | 14 17 02 | |
| | Ki | iPn | 10 12 37.4 | | Ud | iP | | 14 12 08.7 C | |
| | | iSn | 10 13 34.8 | | | iS | | 14 16 11.3 | |
| | | iS* | 10 13 51.6 | | De | iP | | 14 11 31.1 | |
| | Sk | iSg1 | 10 16 22.3 | | | iS | | 14 15 05.5 | |
| | Um | iSn | 10 14 15.7 | | | | | Greece (h = N). | |
| | | i | 10 14 31.0 | | | | | m = 6.5, M = 6.4 (Up,Ki). | |
| | | iSg1 | 10 14 51.0 | | | | | Comparing LP Z-records at | |
| | Ud | iSg1 | 10 17 23.1 | | | | | Up with the Greek earthquake | |
| | De | iSg1 | 10 18 49.5 | | | | | on Sep. 13, 04 18, we find | |
| | | | Northwest USSR, | | | | | opposite phases for P, S | |
| | | | 67.8°N, 33.7°E. | | | | | and Rayleigh waves, otherwise | |
| | | | Origin time = 10 11 21. | | " 17 | Ud | iP | 14 21 58.1 C | |
| | | | Explosion. | | | | | Greece. | |
| " 17 | Up | iSg1 | 12 51 02.6 | | " 17 | Up | iP | 14 31 22.4 | |
| | Ki | iPn | 12 47 05.8 | | | Sk | eP | 14 32 02 | |
| | | iPg1 | 12 47 13.9 | | | Um | eP | 14 32 02 | |
| | | iSn | 12 47 51.2 | | | Ud | iP | 14 31 29.5 | |
| | | iSg1 | 12 48 04.9 | | | | | Greece. | |
| | | iSg2 | 12 48 10.2 | | | | | Origin time = 14 26 36. | |
| | Sk | eSn | 12 49 43 | | | | | Approximate origin times, | |
| | | iSg1 | 12 50 31.4 | | | | | based on our own records, | |
| | Um | iPn | 12 47 30.1 | | | | | are given for some Greek | |
| | | iSn | 12 48 31.3 | | | | | aftershocks not reported | |
| | | i | 12 48 46.9 | | | | | by NEIS. Their purpose is | |
| | | iSg1 | 12 49 01.0 | | | | | essentially to facilitate | |
| | | iRg | 12 49 35.4 | | | | | identification of events. | |
| | Ud | iSn | 12 50 30.6 | | " 17 | Ud | iP | 14 39 40.2 | |
| | | iSg1 | 12 51 27.3 | | | | | Greece. | |
| | | | Northwest USSR-Finland border | | " 17 | Ud | iP | 14 43 09.6 | |
| | | | region, 67.5°N, 30.5°E. | | | | | Greece. | |
| | | | Origin time = 12 46 06. | | | | | | |
| | | | Explosion. | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | | | |
|---------|-------------------------|----|------------|--|---------------------------|-------------------------|--------------|--------------|--|
| 1972 | | | | | 1972 | | | | |
| Sep. 17 | Up | iP | 14 48 58.0 | | Sep. 17 | Up | eP | 17 06 41 | |
| | | | micr sec | | | Sk | iP | 17 07 17.2 | |
| | | P | Z' 0.1 1.1 | | | Ud | iP | 17 06 44.6 | |
| | Ki | eP | 14 50 12 | | | Greece. | | | |
| | Sk | iP | 14 49 37.6 | | | Origin time = 17 01 52. | | | |
| | Um | iP | 14 49 35.8 | | | | | | |
| | | i | 14 49 37.7 | | " 17 | Ud | eP | 17 08 02 | |
| | Ud | iP | 14 49 03.5 | | | | | | |
| | | i | 14 49 05.2 | | " 17 | Up | eP | 17 12 29 | |
| | De | iP | 14 48 27.3 | | | Sk | eP | 17 13 10 | |
| | Greece (h = N). | | | | | Um | iP | 17 13 08.7 | |
| " 17 | Up | iP | 15 08 10.8 | | | Ud | iP | 17 12 36.5 | |
| | Ud | iP | 15 08 22.1 | | | | i | 17 12 39.9 | |
| | Greece. | | | | | Greece. | | | |
| | | | | | | Origin time = 17 07 43. | | | |
| " 17 | Ud | eP | 15 33 51 | | " 17 | Ud | eP | 17 29 59 | |
| | | | | | | Greece. | | | |
| " 17 | Up | iP | 15 42 32.7 | | " 17 | Up | iP | 17 45 42.6 C | |
| | Sk | iP | 15 43 13.7 | | | | iX | 17 46 27.0 | |
| | Ud | iP | 15 42 39.5 | | | | | micr sec | |
| | | i | 15 42 42.3 | | | P | Z' 0.2 1.0 | | |
| | Greece. | | | | | Mx | E 0.4 9 | | |
| | Origin time = 15 37 47. | | | | | Mx | N 0.4 10 | | |
| " 17 | Ud | iP | 15 48 02.5 | | | Mx | Z 0.8 9 | | |
| " 17 | Ud | eP | 15 58 23 | | Ki | iP | 17 45 48.8 C | | |
| " 17 | Up | iP | 16 31 00.1 | | | iX | 17 46 20.1 | | |
| | | | micr sec | | | | micr sec | | |
| | | Mx | Z 0.6 18 | | | P | Z' 0.2 1.2 | | |
| | Sk | eP | 16 31 12 | | | Mx | E 1.0 10 | | |
| | Um | eP | 16 31 21 | | | Mx | N 1.1 9 | | |
| | | i | 16 31 25.5 | | | Mx | Z 0.7 9 | | |
| | Ud | iP | 16 30 57.5 | | Sk | iP | 17 46 06.9 C | | |
| | De | iP | 16 30 46.5 | | Um | iP | 17 45 39.8 C | | |
| | South Atlantic Ocean | | | | | iPP | 17 47 15.2 | | |
| | (h = N). | | | | Ud | iP | 17 45 59.4 C | | |
| " 17 | Ud | eP | 16 32 51 | | | iPP | 17 47 44.2 | | |
| | Greece. | | | | De | iP | 17 45 55.3 C | | |
| | | | | | | i(PP) | 17 47 49.5 | | |
| | | | | | Kashmir (h = N). | | | | |
| | | | | | m = 5.8, M = 5.0 (Up,Ki). | | | | |
| " 17 | Sk | eP | 16 52 11 | | " 17 | Ud | iP | 19 40 22.7 | |
| | Um | iP | 16 52 09.2 | | " 17 | Up | iP | 19 55 24.4 | |
| | Ud | iP | 16 51 38.9 | | | Sk | eP | 19 56 03 | |
| | Greece. | | | | | Um | iP | 19 56 04.4 | |
| | Origin time = 16 46 45. | | | | | Ud | iP | 19 55 30.9 | |
| " 17 | Sk | eP | 17 04 33 | | | | i | 19 55 34.8 | |
| | Um | eP | 17 04 28 | | | Greece. | | | |
| | Ud | iP | 17 03 59.5 | | | Origin time = 19 50 37. | | | |
| | Greece. | | | | " 17 | Ud | eP | 20 23 14 | |
| | Origin time = 16 59 05. | | | | | Greece. | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|----|---------------------------|-----------------|---------|-------------------------|-----------------------------|-------------------|
| Sep. 17 | Ud | iP | 20 41 06.1 | Sep. 17 | (cont.) | | |
| | | Greece. | | | Greece. | | |
| " | 17 | Up | iP 20 41 57.2 | | Origin time = 21 27 13. | | |
| | | | i 20 42 00.5 | " | 17 | Up | eP 21 56 20 |
| | | Sk | eP 20 42 34 | | | Ud | iP 21 56 30.8 C |
| | | Ud | iP 20 42 02.6 | | | Greece. | |
| | | | i 20 42 05.8 | " | 17 | Sk | eP 22 06 49 |
| | | Greece. | | | | Um | eP 22 06 49 |
| | | Origin time = 20 37 10. | | | | Ud | iP 22 06 14.7 C |
| " | 17 | Up | iP 21 09 40.2 | | | Greece. | |
| | | Ki | iP 21 09 41.0 C | | | Origin time = 22 01 22. | |
| | | | micr sec | " | 17 | Up | iP 22 31 11.2 |
| | | P | Z' 0.1 1.1 | | | Ud | iP 22 31 19.2 |
| | | Sk | iP 21 09 27.0 C | | | Greece. | |
| | | Um | iP 21 09 44.0 | | | Origin time = 22 26 25. | |
| | | Ud | iP 21 09 30.8 | " | 17 | Ud | iP 23 03 35.0 C |
| | | De | iP 21 09 33.1 C | | | Greece. | |
| | | Colombia (h = 20 km). | | " | 17 | Up | iP 23 37 23.2 |
| " | 17 | Up | eP 21 14 51 | | | | micr sec |
| | | Sk | eP 21 15 31 | | | P | Z' 0.1 1.2 |
| | | Ud | iP 21 14 59.1 | | | Ki | eP 23 36 50 |
| | | | i 21 15 02.6 | | | | i 23 36 56.3 |
| | | Greece. | | | | Sk | eP 23 37 22 |
| | | Origin time = 21 10 05. | | | | Um | iP 23 37 02.5 |
| " | 17 | Up | eP 21 23 16 | | | Ud | iP 23 37 29.8 |
| | | Sk | eP 21 23 01 | | | South of Japan (h = 15 km). | |
| | | Ud | eP 21 23 05 | " | 17 | Ud | eP 23 54 01 |
| | | De | eP 21 23 07 | " | 18 | Ud | iP 00 13 21.0 |
| | | Colombia (h = 50 km). | | " | 18 | Ud | iP 00 23 16.9 |
| " | 17 | Up | iP 21 30 27.1 | " | 18 | Up | iP 01 02 26.7 |
| | | | micr sec | | | Sk | iP 01 03 07.1 |
| | | P | Z' 0.1 1.0 | | | Um | eP 01 03 06 |
| | | Mx | Z 0.7 20 | | | Ud | iP 01 02 33.3 |
| | | Ki | iP 21 30 28.1 C | | | | iPP 01 02 56.0 |
| | | | iS 21 41 09 | | | De | eP 01 01 57 |
| | | | micr sec | | | Greece. | |
| | | P | Z' 0.3 1.8 | | | Origin time = 00 57 40. | |
| | | Mx | E 0.7 23 | " | 18 | Up | iPKP 01 09 06.5 D |
| | | Mx | Z 1.0 23 | | | | micr sec |
| | | Sk | iP 21 30 13.7 C | | | PKP | Z' 0.1 0.7 |
| | | Um | iP 21 30 30.3 C | | | Ki | ePKP 01 08 56 |
| | | Ud | iP 21 30 16.9 C | | | Sk | ePKP 01 09 01 |
| | | De | iP 21 30 19.9 C | | | Um | iPKP 01 09 00.3 |
| | | Colombia (h = 20 km). | | | | | iSKP 01 11 50.9 |
| | | m = 6.1, M = 5.2 (Up,Ki). | | | | Ud | iPKP 01 09 09.1 D |
| " | 17 | Up | iP 21 31 58.6 | | | (cont.) | |
| | | Ki | iP 21 33 15.9 | | | | |
| | | Sk | eP 21 32 40 | | | | |
| | | Um | iP 21 32 38.8 | | | | |
| | | Ud | iP 21 32 05.9 | | | | |
| | | (cont.) | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|---|------|--------------|---------|---|-------|--------------------|
| Sep. 18 | (cont.) | | | Sep. 18 | Up | iP | 08 25 16.0 |
| | Ud | i | 01 09 23.4 | | | ipP | 08 25 20.2 |
| | De | iPKP | 01 09 19.4 D | | | | micr sec |
| | Tonga-Kermadec Islands (h = 500 km). | | | | | pP | Z' 0.1 0.9 |
| | | | | | | Mx | E 0.8 11 |
| " 18 | Up | i(P) | 01 19 50.9 | | | Mx | N 0.5 10 |
| | Ud | iP | 01 19 51.0 | | | Mx | Z 1.1 17 |
| | Greece. | | | Ki | eP | | 08 26 31 |
| | | | | | | | micr sec |
| " 18 | Ud | iP | 01 50 21.8 | | | Mx | E 2.7 15 |
| | Crete (h = 90 km). | | | | | Mx | N 1.1 15 |
| | | | | | | Mx | Z 0.9 13 |
| " 18 | Sk | eP | 01 58 29 | Sk | iP | | 08 25 56.2 |
| | Ud | iP | 01 57 56.7 | Um | iP | | 08 25 56.1 |
| | Greece. | | | Ud | iP | | 08 25 22.8 |
| | Origin time = 01 53 04. | | | | | ipP | 08 25 26.3 |
| " 18 | Ud | iP | 02 22 45.7 | | | | Greece. |
| | South Atlantic Ocean (h = N). | | | | | | h = 15 km (Up,Ud). |
| | | | | | | | M = 4.6 (Up,Ki). |
| " 18 | Ud | iP | 02 43 39.4 | " 18 | Ki | iPKP | 08 30 51.4 |
| | Greece. | | | | South of Africa (h = N). | | |
| " 18 | Up | eP | 03 06 58 | " 18 | Ud | iP | 11 01 26.4 |
| | Sk | eP | 03 07 40 | | Greece. | | |
| | Ud | iP | 03 07 05.1 | " 18 | Ud | ePKP | 11 02 09 |
| | i | | 03 07 12.3 | | Loyalty Islands (h = 20 km). | | |
| | Greece. | | | " 18 | Up | i(pP) | 11 08 39.4 |
| | Origin time = 03 02 12. | | | | Sk | eP | 11 09 13 |
| " 18 | Ud | eP | 04 52 01 | | Ud | iP | 11 08 40.7 |
| | Greece. | | | | | i(pP) | 11 08 44.0 |
| | | | | | Greece. | | |
| " 18 | Up | eP | 05 21 46 | | Origin time = 11 03 48. | | |
| | Sk | eP | 05 22 26 | " 18 | Ki | ePg1 | 11 13 45 |
| | Ud | iP | 05 21 53.5 | | | iSn | 11 14 22.4 |
| | i | | 05 21 56.5 | | | iS* | 11 14 34.9 |
| | Greece. | | | | Sk | eSg1 | 11 17 23 |
| | Origin time = 05 17 00. | | | | Um | iSg1 | 11 16 15.2 |
| " 18 | Up | iP | 05 48 21.8 | | Northwest USSR-Norway border region. | | |
| | Ki | iP | 05 48 20.3 | | Explosion. | | |
| | Sk | iP | 05 48 00.8 | " 18 | Ki | iP | 12 24 35.0 |
| | Um | iP | 05 48 23.9 C | | Sk | iP | 12 25 10.9 |
| | Ud | eP | 05 48 05 | | Um | iP | 12 24 53.4 |
| | Haiti (h = 15 km). | | | | Ud | iP | 12 25 24.3 |
| " 18 | Ud | eP | 06 23 27 | | De | iP | 12 25 40.2 |
| " 18 | Ud | iP | 07 23 53.8 | | Japan (h = 110 km). | | |
| " 18 | Ud | iP | 08 25 18.2 | " 18 | Up | iSg1 | 13 46 38.1 |
| | | | | | Ki | eSn | 13 47 49.3 |
| | | | | | (cont.) | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|-----------------------------|------------------------------------|------------------|---------|--|----------------------|-----------------|
| Sep. 18 | (cont.) | | | Sep. 18 | Up | iP | 20 49 40.2 D |
| | Ki | iSg1 | 13 48 35.1 | | | iPP | 20 54 01.9 |
| | Sk | eSg2 | 13 48 37 | | | | micr sec |
| | Um | iSg1 | 13 46 54.4 | | | PP | Z' 0.1 1.3 |
| | Ud | iSg1 | 13 47 37.7 | | Ki | iP | 20 49 30.4 D |
| | De | iSg1 | 13 48 04.3 | | | iPP | 20 53 45.1 |
| | Western USSR. Explosion. | | | | | | micr sec |
| " | 18 | Ud | iP 13 52 04.0 | | | P | Z' 0.1 1.4 |
| | | Halmahera (h = 90 km). | | | Um | iP | 20 49 32.5 D |
| " | 18 | Sk | eP 14 08 45 | | | i(PP) | 20 53 30.1 |
| | | Ud | iP 14 08 11.0 | | | iPP | 20 53 48.9 |
| | | Greece. Origin time = 14 03 18. | | | Ud | iP | 20 49 48.9 D |
| " | 18 | Up | iP 14 42 05.4 | | | i(PP) | 20 53 59.8 |
| | | Sk | iP 14 42 47.9 | | | iPP | 20 54 19.1 |
| | | Um | iP 14 42 45.7 | | De | iP | 20 49 51.2 D |
| | | Ud | iP 14 42 11.8 | | | i(PP) | 20 54 00.5 |
| | | | i 14 42 13.3 | | | ePP | 20 54 19 |
| | | | i(pP) 14 42 16.2 | | Sumba Island (h = 45 km). m = 6.3 (Up,Ki). (PP) are early PP arrivals. | | |
| | | De | iP 14 41 35.1 | " | 18 | Sk | eP 20 52 15 |
| | | Greece. Origin time = 14 37 19. | | | | Um | eP 20 52 12 |
| " | 18 | Ud | eP 15 25 11 | | | Ud | eP 20 51 36 |
| | | Greece. Origin time = 20 46 46. | | " | 18 | Up | iP 21 49 55.3 C |
| " | 18 | Up | iP 15 45 10.2 | | | Ki | iP 21 50 02.4 |
| | | Sk | eP 15 45 46 | | | Sk | eP 21 50 20 |
| | | Um | iP 15 45 41.2 | | | Um | iP 21 49 52.6 |
| | | Ud | iP 15 45 12.2 | | | Ud | iP 21 50 11.8 C |
| | | | i 15 45 15.2 | | | De | iP 21 50 08.9 |
| | | | i 15 45 31.1 | | | Kashmir (h = 35 km). | |
| | | De | eP 15 44 35 | " | 18 | Ud | iP 22 11 12.6 |
| | | Greece. Origin time = 15 40 19. | | | | Greece. | |
| " | 18 | Ud | iP 15 45 57.8 | " | 18 | Up | iP 22 19 54.2 |
| " | 18 | Ud | iP 17 07 38.9 | | | Sk | eP 22 20 35 |
| | | Greece. Origin time = 22 15 08. | | | | Um | iP 22 20 34.4 |
| " | 18 | Ud | iP 17 37 12.0 | | | Ud | iP 22 20 02.9 C |
| | | Greece. | | | | | i 22 20 05.3 |
| " | 18 | Ud | iP 17 38 49.9 | | | De | iP 22 19 24.3 |
| | | Greece. | | | | Greece. | |
| " | 18 | Ud | iPKP 18 27 51.5 | " | 18 | Up | iP 23 09 46.1 |
| | | De | iPKP 18 28 02.2 | | | Ud | iP 23 09 48.9 |
| | | Greece. | | | | Greece. | |
| " | 18 | Ud | iP 23 41 02.6 | | | Greece. | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | |
|---------|---------------------------|-------------------------|------------|---------|----|------------------------------|--------------|
| 1972 | | | | 1972 | | | |
| Sep. 19 | Ud | iP | 00 46 49.7 | Sep. 19 | Ud | eP | 04 59 35 |
| | | i | 00 46 51.6 | | | Greece. | |
| | | Greece. | | | | | |
| " 19 | Up | iP | 01 10 35.6 | " 19 | Ud | iP | 05 49 08.5 |
| | Ud | iP | 01 10 42.4 | | | i | 05 49 14.8 |
| | | i | 01 10 44.5 | | | Greece. | |
| | | i(pP) | 01 10 46.5 | " 19 | Um | iP | 06 04 10.7 C |
| | | Greece. | | | Ud | iP | 06 04 30.1 |
| | | Origin time = 01 05 49. | | | | i | 06 04 42.4 |
| " 19 | Up | iP | 01 48 15.7 | " 19 | Ud | iP | 08 32 01.2 |
| | | i | 01 48 18.8 | | | Greece. | |
| | | iS | 01 57 36 | " 19 | Ki | ePn | 10 10 48 |
| | | iScS | 01 58 19 | | | iPg1 | 10 10 56.8 |
| | | | micr sec | | | iSn | 10 11 34.9 |
| | P | Z' | 0.4 1.5 | | | iS* | 10 11 49.0 |
| | Mx | E | 3.4 22 | | Um | iSg1 | 10 13 23.4 |
| | Mx | N | 3.0 21 | | | Northwest USSR-Norway border | |
| | Mx | Z | 7.3 24 | | | region, 69.6°N, 30.4°E. | |
| Ki | iP | | 01 48 15.6 | | | Origin time = 10 09 46. | |
| | i | | 01 48 20.0 | | | Explosion. | |
| | iS | | 01 57 39 | " 19 | Ud | iP | 10 18 43.4 |
| | iScS | | 01 58 24 | | | Greece. | |
| | | | micr sec | " 19 | Up | iSn | 12 26 31.7 |
| | P | Z' | 0.4 1.5 | | | iSg1 | 12 26 44.7 |
| | Mx | E | 7.2 22 | | Ki | e | 12 29 09 |
| | Mx | N | 5.7 23 | | | iSg1 | 12 29 22.2 |
| | Mx | Z | 9.0 23 | | Sk | iSg1 | 12 28 34.2 |
| Sk | iP | | 01 47 59.5 | | Um | iSg1 | 12 27 18.5 |
| | i | | 01 48 02.7 | | Ud | iSn | 12 27 20.3 |
| | iP'P' | | 02 16 03.2 | | | iSg1 | 12 27 50.0 |
| Um | iP | | 01 48 19.2 | | De | iPn | 12 26 24.7 |
| | i | | 01 48 23.2 | | | iSg1 | 12 28 12.3 |
| | iS | | 01 57 42 | | | Esthonia, 59.5°N, 25.0°E. | |
| Ud | iP | | 01 48 04.0 | | | Origin time = 12 24 45. | |
| | i | | 01 48 06.8 | | | Explosion. | |
| | iPcP | | 01 48 29.0 | " 19 | Ud | iP | 15 08 21.5 |
| | iP'P' | | 02 16 01.9 | | | Hindu Kush. | |
| De | iP | | 01 48 07.6 | | | Intermediate depth. | |
| | i | | 01 48 10.1 | " 19 | Up | ipPKP | 15 27 34.1 |
| | iP'P' | | 02 16 02.0 | | | micr sec | |
| | Haiti (h = N). | | | | | Mx E | 1.0 20 |
| | m = 6.3, M = 6.0 (Up,Ki). | | | | | Mx N | 1.4 20 |
| " 19 | Ud | eP | 03 20 07 | | | Mx Z | 0.7 17 |
| | | Greece. | | | Ki | | micr sec |
| " 19 | Up | iP | 04 07 28.0 | | | Mx E | 0.5 16 |
| | Ki | iP | 04 07 01.7 | | | Mx N | 0.9 20 |
| | Sk | iP | 04 07 30.0 | | Sk | iPKP | 15 26 37.0 |
| | Um | iP | 04 07 11.2 | | | ipPKP | 15 27 32.6 |
| | Ud | iP | 04 07 37.4 | | | (cont.) | |
| | De | iP | 04 07 47.4 | | | | |
| | | Ryukyu Islands. | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | | | |
|---------|--------------------------------|---------|--------------|--|---------|------------------------------|-------------------------|------|--------------|
| 1972 | | | | | 1972 | | | | |
| Sep. 19 | (cont.) | | | | Sep. 20 | Ud | iP | | 02 59 37.3 |
| | Um | iPKP | 15 26 31.2 | | " 20 | Ud | iP | | 05 35 38.5 |
| | Ud | iPKP | 15 26 41.8 | | | | Greece. | | |
| | | ipPKP | 15 27 37.5 | | " 20 | Ud | iP | | 06 52 08.5 |
| | De | e(PKP) | 15 26 40 | | | | Kashmir. | | |
| | | iPKP | 15 26 44.9 | | " 20 | Sk | eP | | 06 53 41 |
| | New Britain. | | | | | Ud | iP | | 06 53 08.2 |
| | h = 220 km (Sk,Ud). | | | | | | Greece. | | |
| | M = 5.6 (Up,Ki). | | | | | | Origin time = 06 48 15. | | |
| | M uncorrected for focal depth. | | | | " 20 | Up | ePKP | | 08 04 37 |
| " 19 | Ud | iP | 17 14 24.9 | | | | i | | 08 04 57.5 |
| | | Greece. | | | | | iPP | | 08 07 29.5 |
| " 19 | Ud | iP | 17 49 12.0 | | | | | micr | sec |
| | | Greece. | | | | | PP | Z' | 0.1 1.5 |
| " 19 | Up | ePKP | 17 59 34 | | | | Mx | E | 0.8 20 |
| | Ki | iPKP | 17 59 20.0 | | | | Mx | N | 0.9 20 |
| | Um | iPKP | 17 59 26.1 | | | | Mx | Z | 1.4 21 |
| | Ud | ePKP | 17 59 33 | | | Ki | | micr | sec |
| | Tonga Islands (h = 55 km). | | | | | | Mx | E | 0.8 19 |
| " 19 | Up | iP | 19 54 49.3 | | | | Mx | N | 0.7 18 |
| | Sk | iP | 19 55 31.1 | | | | Mx | Z | 1.3 21 |
| | Um | iP | 19 55 31.0 | | | Um | ePKP | | 08 04 32 |
| | Ud | iP | 19 54 53.6 | | | Ud | e(PKP) | | 08 04 31 |
| | Albania. | | | | | | iPKP | | 08 04 40.8 |
| | | | | | | Tonga Islands (h = N). | | | |
| | | | | | | M = 5.6 (Up,Ki). | | | |
| " 19 | Up | iP | 20 49 53.3 | | " 20 | Sk | iP | | 08 15 01.4 |
| | Ud | eP | 20 49 57 | | | | Greece. | | |
| " 19 | Ud | iP | 20 52 52.8 | | " 20 | Ud | iP | | 08 41 26.6 |
| " 19 | Um | iP | 21 03 54.0 | | " 20 | Um | iP | | 10 52 19.3 |
| " 20 | Up | iP | 00 21 32.4 | | | Ud | iP | | 10 51 48.3 |
| | Ki | iP | 00 21 33.6 D | | | | Greece. | | |
| | Sk | iP | 00 21 49.2 D | | | | Origin time = 10 46 55. | | |
| | Um | iP | 00 21 28.5 D | | " 20 | Up | iPg1 | | 12 02 31.7 |
| | | ipP | 00 21 38.3 | | | | iSg1 | | 12 03 49.2 |
| | Ud | iP | 00 21 43.5 D | | | De | iPg1 | | 12 01 20.4 |
| | Andaman Islands. | | | | | | iSg1 | | 12 01 47.8 |
| | h = 35 km (Um). | | | | | Baltic Sea, south of Sweden. | | | |
| " 20 | Up | iP | 00 37 42.8 | | | Origin time = 12 00 47. | | | |
| | Sk | eP | 00 38 26 | | | Explosion? | | | |
| | Ud | iP | 00 37 49.5 | | " 20 | Up | iP | | 12 51 07.3 |
| | | i | 00 37 51.4 | | | Ki | eP | | 12 50 35 |
| | | i(pP) | 00 37 53.9 | | | Um | iP | | 12 50 49.2 D |
| | Greece. | | | | | Ud | iP | | 12 51 13.6 |
| | Origin time = 00 32 57. | | | | " 20 | Up | iP | | 17 15 43.4 |
| " 20 | Um | iP | 01 41 46.9 | | | (cont.) | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | | | | | |
|---------|----------------------|-------------------------|-------|-------|------|---------|-----------------------------|-----|----------|--------------|--|
| 1972 | | | | | | 1972 | | | | | |
| Sep. 20 | (cont.) | | | | | Sep. 20 | (cont.) | | | | |
| | Ki | iP | 17 15 | 43.9 | C | | Ki | | micr | sec | |
| | | | | | | | | Mx | Z | 1.7 17 | |
| | | P | Z' | 0.1 | 1.1 | | Sk | iP | 20 54 | 43.2 | |
| | | Mx | E | 0.7 | 17 | | | ipP | 20 54 | 48.9 | |
| | | Mx | N | 0.9 | 20 | | Um | iP | 20 54 | 25.1 | |
| | | Mx | Z | 1.0 | 18 | | | ipP | 20 54 | 31.6 | |
| | Sk | eP | 17 15 | 56 | | | Ud | iP | 20 54 | 24.3 | |
| | Um | iP | 17 15 | 41.3 | | | | ipP | 20 54 | 30.2 | |
| | Ud | iP | 17 15 | 52.9 | C | | Arabian Sea. | | | | |
| | Sumatra (h = 70 km). | | | | | | h = 25 km (Up,Ki,Sk,Um,Ud). | | | | |
| | | | | | | | m = 6.1, M = 5.2 (Up,Ki). | | | | |
| " | 20 | Ud | iP | 18 28 | 53.9 | " | 20 | Up | iP | 21 01 53.2 | |
| | | Greece. | | | | | | | iS | 21 09 30 | |
| " | 20 | Um | iP | 18 41 | 43.5 | | | Ki | iP | 21 02 30.4 | |
| | | | | | | | | | ipP | 21 02 36.4 | |
| " | 20 | Up | | micr | sec | | | | | micr sec | |
| | | Mx | N | 0.6 | 22 | | | | pP | Z' 0.1 1.3 | |
| | | Mx | Z | 1.2 | 22 | | Sk | iP | 21 02 | 27.2 | |
| | | Ki | ePKP | 19 00 | 27 | | Um | iP | 21 02 | 09.3 | |
| | | Um | ePKP | 19 00 | 37 | | | | ipP | 21 02 16.2 | |
| | | Ud | ePKP | 19 00 | 42 | | Ud | iP | 21 02 | 08.2 | |
| | Santa Cruz Islands | | | | | | Arabian Sea. | | | | |
| | (h = 45 km). | | | | | | h = 25 km (Ki,Um). | | | | |
| " | 20 | Up | eP | 19 12 | 19 | " | 20 | Ud | iP | 21 15 34.8 | |
| | | Sk | eP | 19 13 | 02 | | | | | | |
| | | Ud | iP | 19 12 | 24.3 | " | 20 | Up | iP | 22 21 06.6 | |
| | | Greece. | | | | | | | i(sP) | 22 21 18.0 | |
| | | Origin time = 19 07 32. | | | | | | | | micr sec | |
| " | 20 | Um | iP | 19 25 | 40.1 | | | | P | Z' 0.1 0.9 | |
| | | Haiti (h = N). | | | | | | | Mx | E 0.8 16 | |
| " | 20 | Ud | iP | 20 42 | 56.3 | | | | Mx | N 0.7 15 | |
| | | Kurile Islands. | | | | | | | Mx | Z 0.8 15 | |
| " | 20 | Up | iP | 20 54 | 11.4 | | Ki | iP | 22 20 | 13.5 | |
| | | | ipP | 20 54 | 18.0 | | | | micr sec | | |
| | | | | micr | sec | | | | P | Z' 0.1 1.0 | |
| | | P | Z' | 0.2 | 1.6 | | | | Mx | E 1.0 16 | |
| | | pP | Z' | 0.3 | 1.8 | | | | Mx | N 1.0 16 | |
| | | Mx | E | 0.8 | 21 | | | | Mx | Z 1.4 15 | |
| | | Mx | N | 0.8 | 18 | | Sk | iP | 22 20 | 47.8 | |
| | | Mx | Z | 1.9 | 20 | | Um | iP | 22 20 | 40.2 | |
| | Ki | iP | 20 54 | 44.9 | | | | ipP | 22 20 | 46.7 | |
| | | ipP | 20 54 | 51.3 | | | Ud | iP | 22 21 | 08.0 | |
| | | iS | 21 02 | 52 | | | | ipP | 22 21 | 16.0 | |
| | | | micr | sec | | | | i | 22 21 | 29.9 | |
| | | P | Z' | 0.3 | 1.5 | | Aleutian Islands. | | | | |
| | | pP | Z' | 0.4 | 1.4 | | h = 25 km (Um,Ud). | | | | |
| | | Mx | E | 1.4 | 17 | | m = 5.9, M = 5.2 (Up,Ki). | | | | |
| | | Mx | N | 2.5 | 26 | " | 21 | Up | iP | 00 22 28.8 C | |
| | (cont.) | | | | | | | | ipP | 00 22 37.4 | |
| | | | | | | | | | iS | 00 32 34 | |
| | | | | | | | (cont.) | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|----|-----------|-----------------------------|---------|---------|-----------------------------|------------|
| Sep. 21 | Ki | iP | 14 20 31.9 | Sep. 22 | (cont.) | | |
| | Sk | iP | 14 20 44.5 | | Ud | iP | 08 09 21.9 |
| | Um | iP | 14 21 10.0 | | | i | 08 09 24.6 |
| | Ud | iP | 14 21 32.0 | | | Greece. | |
| | | i | 14 21 43.3 | | | Origin time = 08 04 29. | |
| " 21 | Ud | i(P) | 14 39 38.7 | " 22 | Ud | i(PKP) | 08 20 55.8 |
| " 21 | Up | iP | 15 41 49.0 C | | | iPKP | 08 21 11.2 |
| | | | micr sec | | | Fiji Islands (h = 610 km). | |
| | | P | Z' 0.3 1.3 | " 22 | Up | ePKP | 12 04 11 |
| | Ki | iP | 15 41 14.9 C | | Ki | i(PKP) | 12 03 49.1 |
| | | iPcP | 15 41 38.2 | | | iPKP | 12 03 55.7 |
| | | | micr sec | | | | micr sec |
| | | P | Z' 0.2 1.3 | | | PKP | Z' 0.1 1.2 |
| | Sk | iP | 15 41 23.0 C | | Sk | ePKP | 12 04 08 |
| | Um | iP | 15 41 34.4 C | | Um | iPKP | 12 04 03.6 |
| | | iPcP | 15 41 51.2 | | Ud | e(PKP) | 12 03 59.6 |
| | Ud | iP | 15 41 41.0 C | | | iPKP | 12 04 12.6 |
| | | iPcP | 15 41 58.4 | | De | i(PKP) | 12 04 08.8 |
| | De | iP | 15 41 57.8 C | | | iPKP | 12 04 20.0 |
| | | | Nevada. | | | Tonga Islands (h = 220 km). | |
| | | | m = 6.2 (Up,Ki). | " 22 | Up | iSg1 | 12 06 03.7 |
| | | | Underground explosion. | | Ki | eSg1 | 12 07 59 |
| " 21 | Up | i(P) | 16 01 19.3 | | Um | iSg1 | 12 06 15.5 |
| " 21 | Up | iP | 20 16 42.3 | | Ud | iSg1 | 12 07 01.4 |
| | Ud | iP | 20 16 54.3 | | | Western USSR. | |
| " 21 | Ud | iP | 22 37 05.3 | | | Explosion. | |
| | | Greece. | | " 22 | Ki | iPKP | 12 29 28.2 |
| " 22 | Up | iP | 01 20 57.6 | | | South Sandwich Islands | |
| | Ud | iP | 01 21 09.9 | | | (h = 160 km). | |
| | | Greece. | | " 22 | Ud | iP | 12 31 22.5 |
| " 22 | Ud | eP | 02 46 06 | | | Greece. | |
| " 22 | Um | iP | 03 51 39.2 | " 22 | Ki | iP | 12 56 17.5 |
| | | iPcP | 03 52 23.7 | " 22 | Up | iP | 14 20 48.1 |
| | | | Kurile Islands (h = 80 km). | | Ki | eP | 14 20 10 |
| " 22 | Ki | iP | 06 44 29.4 | | | ipP | 14 20 27.3 |
| | | (Greece). | | | Sk | ipP | 14 20 59.2 |
| " 22 | Ki | iP | 07 36 50.6 D | | Um | iP | 14 20 27.3 |
| | | | micr sec | | | ipP | 14 20 43.6 |
| | | P | Z' 0.1 1.0 | | Ud | iP | 14 20 55.7 |
| | Um | iP | 07 37 18.0 | | | ipP | 14 21 13.8 |
| | Ud | eP | 07 37 40 | | | Japan. | |
| | | | Alaska (h = N). | | | h = 60 km (Ki,Um,Ud). | |
| " 22 | Up | eP | 08 09 15 | " 22 | Um | iSg1 | 14 20 13.1 |
| | Sk | eP | 08 09 57 | | | Western USSR. | |
| | | (cont.) | | | | Explosion. | |
| " 22 | Um | iP | 14 30 49.5 | " 22 | Ud | iP | 14 31 02.9 |
| | Ud | iP | 14 31 02.9 | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|--------------------------------|---------------------------|-----|------------|---------------------------|-----------------------|-----|--------------|
| Sep. 22 | Ki | iP | 17 03 38.1 | Sep. 23 | Up | iP | 01 57 31.1 |
| " 22 | Ki | iP | 17 49 07.7 | | Ki | iP | 01 58 46.2 |
| | Sk | iP | 17 49 27.6 | | | iPP | 01 59 21.2 |
| | Um | iP | 17 49 11.2 | | Sk | iP | 01 58 18.7 |
| | Ud | iP | 17 49 29.3 | | Um | iP | 01 58 06.3 |
| | Celebes (h = 150 km). | | | | Ud | iP | 01 57 41.8 |
| " 22 | Ki | eP | 18 06 14 | | De | iP | 01 57 03.4 |
| | Um | iP | 18 06 15.9 | | Bulgaria (h = N). | | |
| | Celebes Sea (h = 570 km). | | | " 23 | Ki | iP | 02 07 12.9 |
| " 22 | Ki | iP | 19 14 33.3 | | Turkey. | | |
| | Um | iP | 19 14 29.4 | " 23 | Um | eP | 02 25 26 |
| " 22 | Up | iP | 20 09 20.8 | | Bulgaria (h = 10 km). | | |
| | | ipP | 20 09 30.2 | " 23 | Up | iP | 02 26 20.4 C |
| | | iS | 20 19 04 | | | iS | 02 36 08 |
| | | | micr sec | | | | micr sec |
| | P | Z' | 0.4 1.5 | | P | Z' | 0.1 1.0 |
| | pP | Z' | 0.3 1.1 | | Mx | E | 13 20 |
| | Mx | E | 18 15 | | Mx | N | 16 17 |
| | Mx | N | 21 18 | | Mx | Z | 24 16 |
| | Mx | Z | 40 16 | Ki | iP | | 02 25 57.6 C |
| Ki | iP | | 20 08 56.3 | | iS | | 02 35 24 |
| | ipP | | 20 09 05.5 | | | | micr sec |
| | iX | | 20 10 22.4 | | P | Z' | 0.1 1.2 |
| | | | micr sec | | Mx | E | 20 12 |
| | P | Z' | 0.2 1.5 | | Mx | N | 11 13 |
| | pP | Z' | 0.2 1.0 | | Mx | Z | 18 12 |
| | Mx | E | 26 12 | Sk | eP | | 02 26 25 |
| | Mx | N | 19 13 | Um | iP | | 02 26 05.2 |
| | Mx | Z | 22 13 | Ud | iP | | 02 26 29.6 C |
| Sk | iP | | 20 09 24.3 | | iX | | 02 26 53.7 |
| | ipP | | 20 09 34.1 | De | eP | | 02 26 41 |
| Um | iP | | 20 09 04.8 | Formosa (h = N). | | | |
| | ipP | | 20 09 14.4 | m = 5.8, M = 6.6 (Up,Ki). | | | |
| | iX | | 20 10 03.4 | " 23 | Up | iP | 02 55 43.1 |
| | iS | | 20 18 36 | | Ud | iP | 02 55 35.6 |
| Ud | iP | | 20 09 28.4 | California (h = 20 km). | | | |
| | ipP | | 20 09 37.9 | " 23 | Up | eP | 03 39 57 |
| | iX | | 20 09 59.7 | | Um | iP | 03 40 36.5 |
| De | iP | | 20 09 38.4 | | Ud | iP | 03 40 05.6 |
| | ipP | | 20 09 47.5 | Greece. | | | |
| Formosa. | | | | Origin time = 03 35 12. | | | |
| h = 35 km (Up,Ki,Sk,Um,Ud,De). | | | | " 23 | De | iP | 05 08 24.2 |
| m = 6.2, M = 6.7 (Up,Ki). | | | | " 23 | Up | iP | 07 32 43.4 |
| " 22 | Ki | iP | 21 45 36.3 | | Um | iP | 07 32 45.5 |
| | Um | iP | 21 45 45.8 | | Ud | iP | 07 32 57.5 |
| | Ud | iP | 21 46 10.7 | Pakistan (h = 10 km). | | | |
| | Formosa (h = N). | | | " 23 | Ud | eP | 08 33 02 |
| " 22 | Up | iP | 22 53 30.4 | | | | |
| | Ud | iP | 22 53 34.3 | | | | |
| | Greece. | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

1972

Sep. 24 Ki iP 22 53 13.6
Um iP 22 53 20.1
Ud iP 22 53 36.3
Tanimbar Islands (h = N).

" 24 Um iP 23 34 19.3
Ud iP 23 34 38.9
Tanimbar Islands (h = N).

" 25 Up iP 00 13 19.1
micr sec
P Z' 0.1 0.9
Ki iP 00 13 03.4
Um iP 00 13 09.0 C
Ud iP 00 13 27.5 C
Tanimbar Islands (h = N).

" 25 Ki iP 01 24 48.7
Tanimbar Islands (h = N).

" 25 Up iPg1 02 56 14.0
iSg1 02 56 41.2
Sk eSg1 02 57 02
Ud iPg1 02 55 54.1
i 02 56 00.6
iSg1 02 56 10.1
iSn 02 56 13.3
De iSn 02 56 43.4
iSg1 02 56 49.4
Lake Vener region, Sweden,
58.9°N, 13.7°E.
Origin time = 02 55 34.

" 25 Up iP 03 34 52.8
Ud iP 03 34 53.7

" 25 Um iP 04 08 35.8
Tanimbar Islands (h = N).

" 25 Up eP 06 59 32
Ki iP 06 59 04.1
Sk iP 06 59 00.7
Ud eP 06 59 24

" 25 Up iP 09 38 50.4
Ki iP 09 38 09.8
Sk eP 09 38 44
Um iP 09 38 27.7 C
Ud iP 09 38 57.6 C
De iP 09 39 12.8
Japan (h = 60 km).

" 25 Up iP 09 39 19.1
(cont.)

1972

Sep. 25 (cont.)
Up micr sec
P Z' 0.1 1.2
Ki iP 09 38 38.5
micr sec
P Z' 0.1 1.3
Um iP 09 38 56.9
Ud iP 09 39 25.6
De iP 09 39 41.7
Japan.
Origin time = 09 28 02.
m = 5.9 (Up,Ki).

" 25 Up iP 11 41 54.2 D
micr sec
P Z' 0.1 1.0
Ki iP 11 41 55.5 D
micr sec
P Z' 0.1 0.9
Sk iP 11 42 10.9 D
Um iP 11 41 51.1 D
Ud iP 11 42 06.2 D
De iP 11 42 04.2 D
Nicobar Islands (h = N).
m = 5.8 (Up,Ki).

" 25 Um iSg1 12 28 06.1
Western USSR.
Explosion.

" 25 Ki iP 14 32 17.5
Um iP 14 32 30.2
Ud iP 14 33 00.6
Mariana Islands (h = 60 km).

" 25 Up iP 16 11 39.8
Ki iP 16 11 02.2
Sk iP 16 11 35.0
Um iP 16 11 18.4 C
Ud iP 16 11 47.3 C
De iP 16 12 01.7
Japan (h = 190 km).

" 25 Up iP 18 10 31.1 C
ipP 18 10 59.4
Ki eP 18 11 38
Sk eP 18 11 10
Um iP 18 11 07.4
Ud iP 18 10 40.4 C
De iP 18 10 08.5
Dodecanese Islands.
h = 150 km (Up).

" 25 Ud iP 22 01 14.3

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | | | |
|---------|----|---------------|---------------|--------------|---------|---------------|-----------------|----------|------------|
| Sep. 25 | Um | iP | 22 40 03.5 | Sep. 26 | (cont.) | | | | |
| | | Turkey. | | | De | iSg1 | 13 03 00.8 | | |
| " | 25 | Um | iP | 23 50 02.1 | | Esthonia, | 59.5°N, 23.3°E. | | |
| | | Ud | iP | 23 50 17.8 | | Origin time = | 13 00 00. | | |
| | | | | | | Explosion. | | | |
| " | 26 | Ki | iPP | 00 18 49.4 | " | 26 | Ud | iP | 13 30 59.6 |
| | | New Britain | (h = 120 km). | | | | i | | 13 31 13.2 |
| " | 26 | Um | iP | 01 07 44.1 | " | 26 | Ud | iP | 14 27 30.6 |
| " | 26 | Ud | iPKP | 06 05 40.2 | | | Albania. | | |
| | | De | iPKP | 06 05 50.5 | " | 26 | Sk | iPP | 14 44 40.2 |
| " | 26 | Up | iSg1 | 11 46 38.2 | | | Um | eP | 14 44 18 |
| | | Um | iSg1 | 11 47 11.4 | | | iPP | | 14 44 38.5 |
| | | Ud | iS* | 11 47 37.0 | | | Ud | iP | 14 43 48.2 |
| | | | iSg1 | 11 47 41.9 | | | Albania. | | |
| | | Esthonia. | | | " | 26 | Up | iP | 19 18 24.3 |
| | | Explosion. | | | | | i | | 19 18 34.4 |
| " | 26 | Ud | i(Pg1) | 12 02 49.5 | | | Um | iP | 19 18 27.3 |
| | | | i(Sg1) | 12 03 06.7 | | | Ud | iP | 19 18 41.7 |
| | | De | i(Sg1) | 12 04 26.3 | | | Kashmir | (h = N). | |
| " | 26 | Um | iSg1 | 12 12 20.8 | " | 26 | Up | ePKP | 21 24 20 |
| | | Ud | eSg1 | 12 13 04 | | | iPP | | 21 25 23.0 |
| | | De | eSg1 | 12 13 38 | | | | micr | sec |
| | | Western USSR. | | | | | PP | Z' | 0.2 1.5 |
| | | Explosion. | | | | | Mx | E | 1.9 17 |
| " | 26 | Ud | iP | 12 14 36.9 | | | Mx | N | 1.0 18 |
| | | | i | 12 14 40.4 | | | Mx | Z | 3.0 22 |
| | | Greece. | | | | Ki | iPP | | 21 25 48.8 |
| " | 26 | Up | iP | 12 22 32.2 C | | | | micr | sec |
| | | | i | 12 22 47.4 | | | Mx | E | 1.7 19 |
| | | | | micr | | | Mx | N | 1.6 21 |
| | | | | sec | | Um | iPKP | | 21 24 28.6 |
| | | P | Z' | 0.1 0.9 | | Ud | iPKP | | 21 24 18.8 |
| | | Ki | iP | 12 23 39.4 C | | | iPP | | 21 25 10.7 |
| | | | | micr | | De | iPKP | | 21 24 19.0 |
| | | | | sec | | Argentina | (h = 15 km). | | |
| | | P | Z' | 0.1 0.7 | | M = 5.8 | (Up, Ki). | | |
| | | Sk | iP | 12 23 10.7 C | " | 26 | Ud | iP | 21 35 17.1 |
| | | | i | 12 23 22.4 | " | 27 | Up | iP | 00 18 43.4 |
| | | Um | iP | 12 23 04.0 C | | | i | | 00 18 48.8 |
| | | Ud | iP | 12 22 39.8 C | | | | micr | sec |
| | | De | iP | 12 22 08.2 C | | | P | Z' | 0.1 0.9 |
| | | Crete | (h = N). | | | | Mx | N | 1.5 17 |
| | | m = 5.7 | (Up, Ki). | | | | Mx | Z | 2.4 15 |
| " | 26 | Up | iSg1 | 13 01 32.8 | | | Ki | iP | 00 18 27.8 |
| | | Ki | iSg1 | 13 04 25.2 | | | | micr | sec |
| | | Sk | iSg1 | 13 03 31.4 | | | P | Z' | 0.1 1.0 |
| | | Um | iSg1 | 13 02 22.9 | | | Mx | E | 2.2 13 |
| | | Ud | iSg1 | 13 02 31.4 | | | Mx | N | 7.1 20 |
| | | (cont.) | | | | | (cont.) | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | |
|---------|---------------------------|--------|--------------|---------|----------------------------|------|--------------|
| 1972 | | | | 1972 | | | |
| Sep. 27 | (cont.) | | | Sep. 27 | Ki | eP | 09 26 09 |
| | Ki | | micr sec | | Sk | eP | 09 26 27 |
| | Mx | Z | 1.8 12 | | Um | iP | 09 26 01.9 C |
| | Sk | iP | 00 18 51.0 | | Ud | iP | 09 26 19.1 |
| | | i | 00 19 08.7 | | De | iP | 09 26 21.6 |
| | Um | i | 00 18 45.6 | | Kashmir (h = N). | | |
| | Ud | iP | 00 18 56.7 | " 27 | Ud | ePKP | 09 49 27 |
| | De | eP | 00 19 02 | | Samoa Islands (h = N). | | |
| | Szechwan, China (h = N). | | | " 27 | Um | iP | 11 50 04.7 |
| | m = 5.9, M = 5.4 (Up,Ki). | | | | Ud | iP | 11 50 36.1 |
| " 27 | Up | iP | 02 11 42.2 C | | Sea of Japan (h = 350 km). | | |
| | | | micr sec | " 27 | Up | iP | 18 06 38.8 |
| | P | Z' | 0.1 1.0 | | | i | 18 06 58.6 |
| | Ki | iP | 02 11 50.5 C | | | | micr sec |
| | Sk | eP | 02 12 07 | | P | Z' | 0.1 1.3 |
| | Um | iP | 02 11 40.4 C | | Mx | E | 1.4 18 |
| | Ud | iP | 02 11 58.7 C | | Mx | N | 2.0 19 |
| | De | iP | 02 11 54.9 | | Mx | Z | 2.4 15 |
| | Pakistan (h = 45 km). | | | | Ki | iP | 18 06 19.2 |
| " 27 | Ud | iSg1 | 07 58 53.0 | | | | micr sec |
| | | i(Sg2) | 07 59 00 | | Mx | E | 2.4 13 |
| | De | iPn | 07 56 26.5 | | Mx | N | 2.6 16 |
| | | iPg1 | 07 56 31.8 | | Mx | Z | 1.6 11 |
| | | iSn | 07 56 56.3 | | Sk | e(P) | 18 06 51 |
| | | iSg1 | 07 57 03.7 | | Um | iP | 18 06 27.0 |
| | | i | 07 57 35.9 | | Ud | iP | 18 06 54.6 |
| | Baltic Sea, off coast of | | | | | i | 18 07 04.0 |
| | Poland. | | | | De | iP | 18 07 02.4 |
| | Origin time = 07 55 50. | | | | Formosa (h = 55 km). | | |
| | Explosion? | | | | M = 5.7 (Up,Ki). | | |
| " 27 | Up | | micr sec | " 27 | Up | iP | 18 39 51.2 |
| | Mx | E | 0.9 18 | | | i | 18 40 07.5 |
| | Mx | N | 1.8 20 | | Ki | iP | 18 39 23.7 |
| | Mx | Z | 1.9 20 | | Um | iP | 18 39 31.3 |
| | Ki | iPKP | 09 20 47.8 | | Ud | iP | 18 39 56.2 |
| | | | micr sec | | Formosa (h = 20 km). | | |
| | PKP | Z' | 0.1 1.0 | " 27 | Ki | iP | 20 33 00.3 |
| | Mx | E | 1.7 19 | | | | micr sec |
| | Mx | N | 3.9 21 | | P | Z' | 0.1 1.0 |
| | Mx | Z | 2.8 20 | | Sk | iP | 20 33 17.7 |
| | Sk | ePKP | 09 20 58 | | Um | iP | 20 32 50.8 |
| | Um | iPKP | 09 20 55.1 | | Ud | iP | 20 33 09.3 |
| | Ud | i(PKP) | 09 20 52.5 C | | | i | 20 33 13.8 |
| | | iPKP | 09 21 03.4 | | De | eP | 20 33 07 |
| | De | i(PKP) | 09 21 02.4 C | | Kashmir (h = 40 km). | | |
| | | iPKP | 09 21 12.5 | " 27 | Ud | iP | 20 45 59.1 |
| | Samoa Islands (h = N). | | | | Greece. | | |
| | M = 6.0 (Up,Ki). | | | " 27 | Ki | ePn | 21 02 44 |
| " 27 | Ki | i(P) | 09 22 07.6 | | (cont.) | | |
| | | | micr sec | | | | |
| | (P) | Z' | 0.1 0.7 | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|---------|--------|------------------------------|---------|----|--------|--|
| Sep. 27 | (cont.) | | | Sep. 29 | Ki | eP | 04 39 41 |
| | Ki | iPg1 | 21 02 53.6 | | Ud | iP | 04 40 14.6 |
| | | iSn | 21 03 26.4 | | De | eP | 04 40 22 |
| | | iSg1 | 21 03 37.2 | | | | Formosa (h = 60 km). |
| | Um | iSg1 | 21 04 31.1 | " 29 | Ki | eP | 06 28 32 |
| " 27 | Ud | iPKP | 21 53 27.2 | | | | Siberia (h = N). |
| | De | iPKP | 21 53 38.8 | " 29 | Up | ePKP | 06 57 04 |
| | | | Tonga Islands (h = N). | | | | micr sec |
| " 27 | Ki | iP | 23 25 39.1 | | Mx | E | 1.0 20 |
| | Ud | iP | 23 26 26.0 | | Mx | N | 0.8 19 |
| " 28 | Ud | iP | 03 50 05.9 | | Mx | Z | 1.4 20 |
| " 28 | Ki | eP | 06 04 34 | | Ki | iPKS | 07 00 13 |
| | Ud | iP | 06 05 32.6 | | | | micr sec |
| | | | Kamchatka (h = 70 km). | | Mx | E | 1.5 20 |
| " 28 | Ki | ePKP | 07 17 23 | | Mx | N | 1.8 20 |
| | Sk | e(PKP) | 07 17 30 | | Sk | ePKP | 06 57 03 |
| | Ud | iPKP | 07 17 22.6 | | Um | iPKP | 06 56 59.8 |
| | De | ePKP | 07 17 23 | | Ud | i(PKP) | 06 56 57.1 |
| | | | South Pacific Ocean | | | iPKP | 06 57 05.8 |
| | | | (h = N). | | De | i(PKP) | 06 57 06.6 |
| " 28 | Ki | eP | 09 13 53 | | | | Tonga Islands (h = N). |
| | Ud | iP | 09 14 05.0 | | | | M = 5.8 (Up,Ki). |
| | | | Sunda Strait (h = N). | " 29 | Up | iP | 09 10 36.6 |
| " 28 | Ki | eP | 16 08 36 | | Ki | iP | 09 09 42.4 |
| | Ud | iP | 16 09 32.0 | | Sk | iP | 09 10 06.7 |
| " 28 | Ud | iP | 20 43 31.6 | | Um | iP | 09 10 10.8 |
| | | | Caucasus. | | Ud | iP | 09 10 32.1 |
| " 28 | Ud | iP | 22 24 25.7 | | De | iP | 09 10 56.8 |
| | | | Greece. | | | | Alaska (h = 15 km). |
| " 28 | Ud | iP | 22 53 20.8 | " 29 | Ud | iPg1 | 10 50 46.6 |
| " 29 | Um | iP | 00 06 14.9 | | | iSg1 | 10 51 19.7 |
| | Ud | iP | 00 06 41.3 C | | De | iPg1 | 10 50 47.2 |
| | | | South of Japan (h = 500 km). | | | iSg1 | 10 51 17.2 |
| " 29 | Up | iP | 01 21 46.0 | | | | Off coast of Bohuslän, Sweden, 58.1°N, 11.3°E. Origin time = 10 50 08. Explosion. |
| | Sk | eP | 01 22 28 | " 29 | Up | iPKP | 10 52 27.3 |
| | Ud | iP | 01 21 54.4 | | Ud | iPKP | 10 52 24.2 |
| | | | Greece. | | De | iPKP | 10 52 36.0 |
| | | | Origin time = 01 17 00. | | | | Tonga-Kermadec Islands (h = 140 km). |
| " 29 | Up | iP | 02 38 36.6 | " 29 | Ud | iPg1 | 10 52 38.5 |
| | Sk | eP | 02 39 14 | | | iSg1 | 10 53 11.3 |
| | Ud | iP | 02 38 39.6 | | De | iPg1 | 10 52 38.8 |
| | | | Greece. | | | iSg1 | 10 53 08.5 |
| | | | Origin time = 02 33 49. | | | | Off coast of Bohuslän, Sweden, 58.1°N, 11.3°E. Origin time = 10 52 00. Explosion. |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| | | | | | | | | | |
|---------|----|---------------------------|------------|--|---------|----|------|------------|----------------------------|
| 1972 | | | | | 1972 | | | | |
| Sep. 29 | Ud | i(Pg1) | 11 14 19.1 | | Sep. 29 | Ki | iP | 14 04 45.2 | |
| | | iSg1 | 11 14 55.4 | | | Sk | eP | 14 05 08 | |
| | De | e(Pg1) | 11 13 57 | | | Ud | iP | 14 05 06.3 | |
| | | iSg1 | 11 14 33.0 | | | | | | Sinkiang (h = N). |
| | | Northern Denmark. | | | " 29 | Up | iP | 16 31 51.2 | |
| | | By combination with | | | | | i | 16 31 53.4 | |
| | | Kongsberg readings. | | | | | ipP | 16 32 00.7 | |
| " 29 | Ud | iSg1 | 11 36 48.6 | | | | | | micr sec |
| | | i | 11 36 57.0 | | | | Mx | E | 1.2 13 |
| | De | iPg1 | 11 36 04.3 | | | | Mx | N | 2.6 18 |
| | | iSg1 | 11 36 29.5 | | | | Mx | Z | 2.8 14 |
| | | Off coast of Bohuslän, | | | | Ki | iP | 16 31 34.8 | |
| | | Sweden. | | | | | | | micr sec |
| | | Origin time = 11 35 32. | | | | | P | Z' | 0.1 0.9 |
| | | The phase i at Ud could | | | | | Mx | E | 2.0 14 |
| | | be interpreted as TSg1. | | | | | Mx | N | 7.4 19 |
| | | Explosion. | | | | | Mx | Z | 2.0 14 |
| " 29 | Ud | iSg1 | 11 37 02.1 | | | Sk | iP | 16 32 02.4 | |
| | De | iPg1 | 11 36 16.7 | | | Um | iP | 16 31 37.7 | |
| | | iSg1 | 11 36 41.8 | | | Ud | iP | 16 32 04.5 | |
| | | Off coast of Bohuslän, | | | | | ipP | 16 32 13.6 | |
| | | Sweden. | | | | De | eP | 16 32 14 | |
| | | Origin time = 11 35 44. | | | | | | | Szechwan, China. |
| | | Explosion. | | | | | | | h = 35 km (Up,Ud). |
| " 29 | Ki | iP | 13 02 27.7 | | | | | | M = 5.6 (Up,Ki). |
| | Sk | eP | 13 03 03 | | " 29 | Ki | eP | 17 16 10 | |
| | Um | iP | 13 02 48.0 | | | Ud | iP | 17 16 30.6 | |
| | Ud | iP | 13 03 19.3 | | | | i | 17 16 42.6 | |
| | | Kurile Islands (h = N). | | | | | | | Talau Islands (h = 30 km). |
| " 29 | Up | iSg1 | 13 18 02.1 | | " 29 | Um | iPKP | 17 25 07.0 | |
| | Ki | eSg1 | 13 20 06 | | | Ud | iPKP | 17 25 16.9 | |
| | Sk | eSg1 | 13 19 46 | | " 29 | Ud | iP | 17 30 51.9 | |
| | Um | iSg1 | 13 18 19.2 | | " 29 | Up | iP | 20 34 55.0 | |
| | | i | 13 18 23.2 | | | | i | 20 34 57.1 | |
| | Ud | iSg1 | 13 19 01.7 | | | | | | micr sec |
| | De | iSg1 | 13 19 33.3 | | | | Mx | E | 1.2 13 |
| | | Western USSR. | | | | | Mx | N | 1.8 17 |
| | | Explosion. | | | | | Mx | Z | 2.2 13 |
| " 29 | Up | iSn | 13 43 51.5 | | | Ki | iP | 20 34 38.7 | |
| | | iSg1 | 13 44 03.5 | | | | i | 20 34 40.9 | |
| | Ki | iSg1 | 13 46 34.9 | | | | | | micr sec |
| | Sk | i(Sg1) | 13 46 00.3 | | | | P | Z' | 0.1 0.8 |
| | Um | iSg1 | 13 44 38.4 | | | | Mx | E | 1.0 14 |
| | Ud | iSn | 13 44 40.6 | | | | Mx | N | 6.1 19 |
| | | i(S*) | 13 45 01.7 | | | | Mx | Z | 1.2 14 |
| | | iSg1 | 13 45 05.8 | | | Sk | iP | 20 35 07.0 | |
| | De | iSg1 | 13 45 32.5 | | | Um | iP | 20 34 42.9 | |
| | | Esthonia, 59.5°N, 24.8°E. | | | | Ud | iP | 20 35 08.3 | |
| | | Origin time = 13 42 08. | | | | | | | (cont.) |
| | | Explosion. | | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Dølary

1972

Sep. 29 (cont.)
 Ud i 20 35 24.1
 De eP 20 35 14
 Szechwan, China (h = N).
 M = 5.4 (Up,Ki).

" 29 Ud iP 22 47 46.2

" 30 Ki iP_{PKP} 01 39 57.6
 iP_{PKP} 01 40 27.0
 South Sandwich Islands.
 h = 110 km (Ki).

" 30 Ud iP 02 41 27.0
 Mexico (h = 50 km).

" 30 Ud iP_{PKP} 03 28 55.1
 Tonga Islands (h = N).

" 30 Up iP 07 07 23.0
 iP 07 08 07.9
 iP 07 08 28.9
 micr sec
 sP z' 0.1 1.0
 Ki iP 07 07 31.8 C
 iP 07 08 16.3
 Sk eP 07 07 49
 epP 07 08 31
 Um iP 07 07 21.3 C
 iP 07 08 05.3
 Ud iP 07 07 39.0
 iP 07 08 23.9
 iP 07 08 45.6
 De eP 07 07 36
 iP 07 08 18.4
 Hindu Kush.
 h = 210 km (Up,Ki,Sk,Um,Ud,
 De).

" 30 Up iP 10 36 35.6 C
 Ki iP 10 36 43.6
 Sk iP 10 37 00.9
 Um iP 10 36 33.3 C
 Ud iP 10 36 52.3 C
 De iP 10 36 48.5
 Afghanistan-USSR
 (h = 180 km).

" 30 Ki iP_n 10 42 44.4
 iP_n 10 43 33.9
 iP* 10 43 48.7
 Sk eP_{g1} 10 44 25
 eS_{g2} 10 46 46
 Um i 10 44 11.0
 (cont.)

1972

Sep. 30 (cont.)
 Um iS_{g1} 10 45 16.2
 Ud iP_{g1} 10 45 03.9
 Northwest USSR-Norway border
 region, 69.3°N, 31.1°E.
 Origin time = 10 41 40.
 Explosion.

" 30 Up iS_{g1} 12 03 02.7
 Ki eS_{g1} 12 05 06
 Sk eS_{g2} 12 05 03
 Um iS_{g1} 12 03 19.6
 Ud iS_{g1} 12 04 01.7
 De eS_{g1} 12 04 29
 Western USSR.
 Explosion.

" 30 Up eS_{g1} 15 11 44
 Ki eS_{g1} 15 12 24
 eS_{g2} 15 12 38
 Sk iS_{g1} 15 12 57.7
 Um iS_{g1} 15 11 06.7
 Ud iS_{g1} 15 12 44.2
 De eS_{g1} 15 13 25
 Lake Ladoga.
 Explosion.

" 30 Ud iP 16 53 30.7

" 30 Ud iP 16 55 15.3

" 30 Ud iP 17 02 36.9

" 30 Ud iP 18 25 00.4

" 30 Ud iP 18 26 12.2

" 30 Up iP 22 58 37.5
 Ki iP 22 57 31.4
 Um iP 22 58 07.3
 Ud iP 22 58 31.7
 Arctic Ocean (h = N).

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Sep. 15, 1974

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SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, SKALSTUGAN, UMEÅ,

UDDEHOLM and DELARY

| | | | | |
|------------|-------|------------|------------|-----------|
| Uppsala | (Up): | 59°51.5'N, | 17°37.6'E; | h = 14 m |
| Kiruna | (Ki): | 67°50.4'N, | 20°25.0'E; | h = 390 m |
| Skalstugan | (Sk): | 63°34.8'N, | 12°16.8'E; | h = 580 m |
| Umeå | (Um): | 63°48.9'N, | 20°14.2'E; | h = 16 m |
| Uddeholm | (Ud): | 60°05.4'N, | 13°36.4'E; | h = 240 m |
| Delary | (De): | 56°28.2'N, | 13°52.2'E; | h = 150 m |

OCTOBER 1 - 31, 1972

| 1972 | | | | 1972 | | | | | | |
|------|---|-----------------------|-------|--------------|------|---|----------------------------|--------------------|--------------|------------|
| Oct. | 1 | Up | iP | 00 59 50.1 | Oct. | 1 | (cont.) | | | |
| | | | iPP | 01 00 04.3 | | | Ki iP | 04 37 23.2 | | |
| | | | iS | 01 02 43.4 | | | i | 04 37 31.2 | | |
| | | | | micr sec | | | | micr sec | | |
| | | | P | Z' 0.1 1.0 | | | P | Z' 0.2 1.2 | | |
| | | | PP | Z' 0.1 0.8 | | | Mx | E 2.0 13 | | |
| | | Ki | iP | 01 01 14.0 | | | Mx | N 1.1 9 | | |
| | | | i | 01 01 19.5 | | | Mx | Z 1.4 9 | | |
| | | | iPP | 01 01 39.8 | | | Sk | iP | 04 36 43.9 | |
| | | | iS | 01 05 33.8 | | | i | 04 36 49.8 | | |
| | | | | micr sec | | | Um | iP | 04 36 39.4 | |
| | | | P | Z' 0.1 0.7 | | | iPP | 04 36 55.5 | | |
| | | | PP | Z' 0.1 0.7 | | | iLg2 | 04 43 23.0 | | |
| | | | S | Z' 0.1 1.0 | | | Ud | iP | 04 36 04.5 C | |
| | | Sk | iP | 01 00 42.5 | | | iPP | 04 36 26.0 | | |
| | | | i | 01 00 47.3 | | | De | iP | 04 35 18.8 | |
| | | Um | iP | 01 00 31.1 C | | | iPP | 04 35 29.2 | | |
| | | | iPP | 01 00 46.8 | | | Yugoslavia (h = 5 km). | | | |
| | | | i | 01 05 25.2 | | | m = 5.3, M = 4.7 (Up,Ki). | | | |
| | | Ud | iP | 01 00 05.2 | | | If the second arrival at | | | |
| | | | iPP | 01 00 20.7 | | | Up,Ki,Sk is interpreted as | | | |
| | | | i | 01 00 46.5 | | | pP, it gives h = 25 km. | | | |
| | | De | iP | 00 59 27.0 | | " | 1 | Ud iP | 05 21 15.6 | |
| | | | i(PP) | 00 59 45.2 | | " | 1 | Up iP | 06 40 46.9 | |
| | | | i | 01 00 18.0 | | | | Um iP | 06 40 47.5 | |
| | | Rumania (h = 160 km). | | | | | | Ud iP | 06 40 37.2 | |
| | | m = 5.2 (Up,Ki). | | | | " | 1 | Up iP | 10 18 36.3 | |
| " | 1 | Up | eP | 03 05 13 | | | | Ki iP | 10 17 33.0 | |
| | | Ud | iP | 03 05 20.5 | | | | iPP | 10 17 50.9 | |
| | | Greece. | | | | | | Sk | iPP | 10 18 18.8 |
| " | 1 | Up | iP | 04 35 55.3 | | | | Um | iPP | 10 18 20.2 |
| | | | i | 04 35 59.7 | | | | Ud | eP | 10 18 27 |
| | | | | micr sec | | | | iPP | 10 18 43.9 | |
| | | | P | Z' 0.1 1.1 | | | | iPcP | 10 19 20.7 | |
| | | | Mx | E 0.7 8 | | | | De | iP | 10 18 57.0 |
| | | | Mx | N 1.0 8 | | | | Alaska. | | |
| | | | Mx | Z 1.7 8 | | | | h = 70 km (Ki,Ud). | | |
| | | (cont.) | | | | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

| | | | | |
|------|---|----|-------|--------------------------------------|
| Oct. | 1 | Up | ePKP | 12 28 24 |
| | | Um | iPKP | 12 28 11.5 |
| | | Ud | iPKP | 12 28 25.7 |
| | | De | iPKP | 12 28 35.2 |
| " | 1 | Um | iP | 13 22 51.4 |
| " | 1 | Ud | eP | 13 24 28 |
| " | 1 | Up | ePP | 17 18 28 |
| | | Ud | iP | 17 17 06.9 |
| | | | | Pakistan (h = 70 km). |
| " | 1 | Up | iP | 18 25 05.4 |
| | | Ki | eP | 18 25 15 |
| | | Sk | iP | 18 25 31.8 |
| | | Um | iP | 18 25 03.9 |
| | | Ud | iP | 18 25 22.2 |
| | | | i(pP) | 18 25 52.0 |
| | | De | eP | 18 25 19 |
| | | | | Hindu Kush (h = 100 km). |
| " | 1 | Ud | iP | 20 47 59.9 |
| | | | | Kurile Islands. |
| " | 1 | Up | iP | 21 54 40.6 |
| | | | ipP | 21 54 56.5 |
| | | Ud | iP | 21 54 39.6 |
| | | | | Aleutian Islands. h = 60 km (Up). |
| " | 1 | Up | eP | 23 50 02 |
| | | | iLg2 | 23 55 12.5 |
| | | Ki | iP | 23 48 17.5 |
| | | | iS | 23 49 57.7 |
| | | Sk | eP | 23 49 20 |
| | | Um | iP | 23 49 17.4 |
| | | | iS | 23 51 23.2 |
| | | | iLi | 23 52 25.8 |
| | | Ud | eP | 23 50 05 |
| | | | | Arctic Ocean, south of Svalbard. |
| " | 2 | Up | iP | 00 01 38.1 D |
| | | | i | 00 02 14.9 |
| | | | iS | 00 11 42.5 |
| | | | iSP | 00 13 00.7 |
| | | | | micr sec |
| | | | | Z' 0.5 0.8 |
| | | Ki | iP | 00 01 22.4 D |
| | | | iPP | 00 05 04.0 |
| | | | | micr sec |
| | | | | Z' 1.4 0.9 |
| | | Sk | iP | 00 01 43.7 D |
| | | | iPP | 00 05 42.0 |
| | | Um | iP | 00 01 27.9 D |
| | | | | (cont.) |

1972

| | | | | |
|------|---|---------|------|---|
| Oct. | 2 | (cont.) | | |
| | | Um | iS | 00 11 23 |
| | | | iSP | 00 12 37 |
| | | Ud | iP | 00 01 46.9 D |
| | | | i | 00 02 24.7 |
| | | De | iP | 00 01 52.7 D |
| | | | iPP | 00 05 54.4 |
| | | | | Mindanao (h = 610 km). m = 6.6 (Up,Ki). |
| " | 2 | Up | iP | 02 33 27.4 C |
| | | Ki | iP | 02 32 38.2 |
| | | Um | eP | 02 33 01 |
| | | Ud | iP | 02 33 32.6 C |
| | | De | iP | 02 33 51.7 |
| | | | | Kurile Islands (h = N). |
| " | 2 | Up | eP | 03 54 52 |
| | | | | Kurile Islands (h = 140 km). |
| " | 2 | Ud | ePKP | 06 06 16 |
| | | De | iPKP | 06 06 27.4 |
| " | 2 | Ki | ePgl | 09 28 43 |
| | | | iSgl | 09 29 20.8 |
| | | Sk | iSgl | 09 29 27.1 |
| | | Um | ePgl | 09 29 01 |
| | | | iSn | 09 29 34.8 |
| | | | iSgl | 09 29 47.6 |
| | | Ud | iSgl | 09 31 14.7 |
| | | | | Nordland, Norway, 66.5°N, 14.1°E. Origin time = 09 27 52. Explosion. |
| " | 2 | Ud | iPKP | 10 11 57.3 |
| | | | | South Sandwich Islands (h = N). |
| " | 2 | Up | iSgl | 10 43 42.8 |
| | | Ud | iPgl | 10 43 52.0 |
| | | | iSgl | 10 44 25.8 |
| | | De | iSgl | 10 44 46.1 |
| | | | | Probably off coast of Södermanland, Sweden. Explosion? |
| " | 2 | Up | iP | 11 07 53.0 |
| | | Um | iP | 11 07 47.4 C |
| | | Ud | iP | 11 08 06.2 C |
| " | 2 | Up | i | 15 48 54.7 |
| | | Um | iPKP | 15 48 38.1 |
| | | Ud | iPKP | 15 48 48.3 |
| | | | i | 15 49 00.5 |
| | | De | iPKP | 15 48 58.8 |
| | | | | Fiji Islands (h = 610 km). |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|------------------------------|------------|------|---|-------------------------|------------|
| Oct. | 2 | De e(P) | 16 14 26 | Oct. | 3 | Up iPgl | 06 44 26.8 |
| " | 2 | Ud iSgl | 18 07 11.2 | | | Sk iSgl | 06 45 00.4 |
| | | Southwest Norway. | | | | Um iPgl | 06 43 56.2 |
| | | By combination with Bergen | | | | iSgl | 06 44 14.1 |
| | | and Kongsberg readings. | | | | iRg | 06 44 18.6 |
| " | 2 | Up iP | 19 19 00.7 | | | Ud iPgl | 06 44 36.0 |
| | | Ud iP | 19 19 04.5 | | | iSgl | 06 45 25.9 |
| | | De iP | 19 19 25.7 | | | De iSgl | 06 46 59.8 |
| | | Kurile Islands-Kamchatka. | | | | Ångermanland, Sweden, | |
| | | | | | | 62.9°N, 18.2°E. | |
| | | | | | | Origin time = 06 43 32. | |
| " | 2 | Ki iSgl | 19 46 49.0 | " | 3 | Sk eSgl | 06 46 58 |
| | | Northern Finland (Helsinki). | | | | Um iPgl | 06 45 53.6 |
| " | 2 | Ud iP | 20 05 12.2 | | | iSgl | 06 46 11.2 |
| | | De iP | 20 04 41.6 | | | iRg | 06 46 15.9 |
| | | Crete. | | | | Ud iPgl | 06 46 33.4 |
| | | | | | | iSgl | 06 47 22.8 |
| " | 2 | Ud iPP | 20 55 26.7 | | | De iSgl | 06 48 56.9 |
| | | Chile-Argentina (h = 80 km). | | | | Ångermanland, Sweden, | |
| | | | | | | 62.9°N, 18.2°E. | |
| | | | | | | Origin time = 06 45 29. | |
| " | 2 | Ud iP | 21 04 54.1 | " | 3 | Up iPgl | 07 30 21.2 |
| " | 2 | Up iPKP | 21 22 26.6 | | | Sk ePgl | 07 30 14 |
| | | Um i(PKP) | 21 22 09.5 | | | iSgl | 07 30 55.7 |
| | | Ud i(PKP) | 21 22 21.6 | | | Um iPgl | 07 29 50.1 |
| | | iPKP | 21 22 29.6 | | | iSgl | 07 30 07.7 |
| | | De iPKP | 21 22 43.1 | | | iRg | 07 30 12.6 |
| " | 2 | Up eP | 22 02 49 | | | Ud iPgl | 07 30 30.9 |
| | | Um eP | 22 02 27 | | | iSgl | 07 31 21.9 |
| | | Ud iP | 22 02 55.2 | | | De iSgl | 07 32 54.8 |
| | | Kurile Islands (h = N). | | | | Ångermanland, Sweden, | |
| | | | | | | 62.9°N, 18.2°E. | |
| | | | | | | Origin time = 07 29 27. | |
| " | 2 | Up iP | 23 29 50.7 | " | 3 | Up iPgl | 07 31 33.9 |
| | | ipP | 23 30 02.2 | | | Sk iSgl | 07 32 08.4 |
| | | Ki eP | 23 29 13 | | | Um iPgl | 07 31 02.4 |
| | | Um iP | 23 29 30.2 | | | iSgl | 07 31 19.6 |
| | | ipP | 23 29 42.2 | | | iRg | 07 31 24.6 |
| | | Ud iP | 23 29 57.6 | | | Ud iPgl | 07 31 43.0 |
| | | ipP | 23 30 09.2 | | | iSgl | 07 32 29.7 |
| | | Japan. | | | | De iSgl | 07 34 07.0 |
| | | h = 40 km (Up,Um,Ud). | | | | Ångermanland, Sweden, | |
| " | 3 | Ud iPP | 00 07 09.4 | | | 62.9°N, 18.2°E. | |
| | | De iPKP | 00 06 01.5 | | | Origin time = 07 30 38. | |
| | | New Britain (h = 45 km). | | " | 3 | Sk iSgl | 08 49 17.1 |
| " | 3 | Up iP | 02 01 50.5 | | | Um iPgl | 08 48 12.0 |
| | | Ud iP | 02 02 02.3 | | | iSgl | 08 48 29.6 |
| | | | | | | iRg | 08 48 34.4 |
| " | 3 | Um iPgl | 06 41 45.9 | | | Ud iPgl | 08 48 46.7 |
| | | iSgl | 06 42 03.7 | | | iSgl | 08 49 36.3 |
| | | iRg | 06 42 08.4 | | | De eSgl | 08 51 19 |
| | | Probably Ångermanland, | | | | Ångermanland, Sweden, | |
| | | Sweden, 62.9°N, 18.2°E. | | | | 62.9°N, 18.2°E. | |
| | | Origin time = 06 41 22. | | | | Origin time = 08 47 47. | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|----|-------|-------------------------------|------|---|-------------------------------|
| Oct. | 3 | Up | iP | 09 04 38.4 | Oct. | 3 | (cont.) |
| | | | i | 09 04 39.4 | | | Sk iP 10 25 00.1 |
| | | | iS | 09 08 23.0 | | | Um iP 10 24 47.4 |
| | | | iLgl | 09 10 37 | | | Ud iP 10 25 18.8 C |
| | | | | micr sec | | | De iP 10 25 37.5 |
| | | | P | Z' 1.3 0.9 | | | Kurile Islands (h = N). |
| | | Ki | iP | 09 05 19.9 C | | | m = 6.2 (Up,Ki). |
| | | | i | 09 05 27.2 | | | |
| | | | iSn | 09 10 02.4 | " | 3 | Ud iPgl 13 01 03.2 |
| | | | i | 09 10 49.5 | | | iSgl 13 01 35.8 |
| | | | | micr sec | | | De iPgl 13 01 03.9 |
| | | | P | Z' 1.1 0.8 | | | iSgl 13 01 34.3 |
| | | Sk | iP | 09 05 20.5 | | | Off coast of Bohuslän, |
| | | | i | 09 05 27.7 | | | Sweden, 58.2°N, 11.1°E. |
| | | | i(SS) | 09 10 27.4 | | | Origin time = 13 00 23. |
| | | | iLgl | 09 12 56.8 | | | By combination with |
| | | Um | iP | 09 04 51.5 C | | | Kongsberg readings. |
| | | | iLgl | 09 11 12.8 | | | This event is probably |
| | | Ud | iP | 09 05 00.6 C | | | followed closely by two |
| | | | iLgl | 09 11 40.1 | | | more events. |
| | | | iLg2 | 09 12 10.5 | | | Explosions? |
| | | De | iP | 09 04 46.8 C | | | |
| | | | | Northwest of the Caspian Sea. | " | 3 | Ud iPgl 13 34 21.8 |
| | | | | Origin time = 09 00 00. | | | iSgl 13 34 54.6 |
| | | | | m = 6.4 (Up,Ki). | | | De iPgl 13 34 22.3 |
| | | | | Underground explosion. | | | iSgl 13 34 51.8 |
| " | 3 | Sk | iSgl | 09 15 37.0 | | | Off coast of Bohuslän, |
| | | Um | iPgl | 09 14 31.1 | | | Sweden, 58.2°N, 11.1°E. |
| | | | iSgl | 09 14 48.6 | | | Origin time = 13 33 42. |
| | | Ud | iPgl | 09 15 12.0 | | | Explosion? |
| | | | iSgl | 09 15 58.3 | " | 3 | Ud eP 14 40 24 |
| | | De | eSgl | 09 17 37 | | | |
| | | | | Ångermanland, Sweden, | " | 3 | Ud ePKP 16 35 00 |
| | | | | 62.9°N, 18.2°E. | | | Santa Cruz Islands |
| | | | | Origin time = 09 14 07. | | | (h = 180 km). |
| " | 3 | Up | iPgl | 09 39 35.1 | " | 3 | De ePKP 18 24 11 |
| | | | iSgl | 09 40 11.2 | | | i 18 24 22.5 |
| | | Sk | ePgl | 09 39 27 | | | Tonga Islands (h = 60 km). |
| | | | iSgl | 09 40 11.4 | " | 3 | Ki iP 18 37 31.0 |
| | | Um | iPgl | 09 39 02.6 | | | Ud eP 18 38 24 |
| | | | iSgl | 09 39 19.6 | | | Aleutian Islands (h = 40 km). |
| | | | iRg | 09 39 24.6 | " | 4 | Sk eP 05 05 02 |
| | | Ud | iPgl | 09 39 44.9 | | | Ud eP 05 05 15 |
| | | | iSgl | 09 40 31.6 | | | Off Pacific coast of |
| | | De | iSgl | 09 42 08.5 | | | Central America (h = N). |
| | | | | Ångermanland, Sweden, | " | 4 | Um iP 05 33 36.3 |
| | | | | 62.9°N, 18.2°E. | | | ipP 05 33 48.6 |
| | | | | Origin time = 09 38 39. | | | Ud iP 05 34 07.8 |
| " | 3 | Up | iP | 10 25 13.6 C | | | ipP 05 34 20.7 |
| | | | | micr sec | | | iPcP 05 34 32.9 |
| | | | P | Z' 0.2 0.9 | | | Kurile Islands. |
| | | Ki | eP | 10 24 25 | | | h = 45 km (Um,Ud). |
| | | | | micr sec | | | |
| | | | P | Z' 0.1 0.8 | | | |
| | | | | (cont.) | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | |
|------|---|-------------------------------|--------|--------------|------|---|----------------------------|--------------|
| Oct. | 4 | Ud | iP | 06 13 50.3 | Oct. | 5 | Sk eP | 13 45 27 |
| " | 4 | Up | iP | 06 19 16.0 | | | Ud iP | 13 44 54.8 |
| | | | e | 06 19 38 | | | Greece. | |
| | | Um | iP | 06 19 49.6 | " | 5 | Ud iP | 21 52 42.0 |
| | | Ud | iP | 06 19 27.1 | | | i | 21 52 58.0 |
| | | De | eP | 06 18 55 | | | North Atlantic Ocean | |
| | | Turkey (h = N). | | | | | (h = N). | |
| " | 4 | Up | iP | 08 53 40.0 | " | 6 | Ud iP | 05 51 35.3 |
| | | | | micr sec | | | De iP | 05 51 58.8 |
| | | P | Z' | 0.1 1.2 | | | Kodiak Island (h = 35 km). | |
| | | Mx | E | 0.8 9 | " | 6 | Ud i(Sgl) | 09 38 28.0 |
| | | Mx | N | 1.3 12 | " | 6 | Up i(P) | 10 56 04.2 |
| | | Mx | Z | 1.6 12 | " | 6 | Up iP | 11 42 36.8 |
| | | Ki | | micr sec | | | ipP | 11 42 46.1 |
| | | Mx | E | 3.5 17 | | | | micr sec |
| | | Mx | N | 2.6 17 | | | pP | Z' 0.1 0.8 |
| | | Mx | Z | 1.9 18 | | | Mx | E 2.0 21 |
| | | Sk | eP | 08 54 17 | | | Mx | N 1.6 18 |
| | | Um | eP | 08 54 12 | | | Ki iP | 11 42 00.2 |
| | | Ud | iP | 08 53 39.2 | | | ipP | 11 42 09.3 |
| | | | i | 08 53 47.5 | | | | micr sec |
| | | | iPP | 08 53 59.1 | | | Mx | E 1.5 18 |
| | | De | eP | 08 53 06 | | | Mx | N 2.0 18 |
| | | Greece (h = N). | | | | | Sk iP | 11 42 33.8 |
| | | M = 4.8 (Up,Ki). | | | | | ipP | 11 42 43.0 |
| " | 4 | Ud | e(Sgl) | 12 23 21 | | | Um iP | 11 42 16.1 C |
| | | De | iPn | 12 21 17.8 | | | ipP | 11 42 25.2 |
| | | | iPgl | 12 21 21.7 | | | Ud iP | 11 42 44.4 C |
| | | | iSgl | 12 21 44.1 | | | ipP | 11 42 53.6 |
| | | | iRg | 12 21 53.3 | | | De eP | 11 42 58 |
| " | 4 | Ud | iSgl | 15 09 31.1 | | | ipP | 11 43 07.4 |
| | | Southwest Norway. | | | | | Japan. | |
| | | By combination with | | | | | h = 35 km (Up,Ki,Sk,Um,Ud, | |
| | | Bergen and Kongsberg | | | | | De). | |
| | | readings. | | | | | M = 5.6 (Up,Ki). | |
| " | 5 | Ud | iP | 04 18 06.5 | " | 6 | Up iP | 15 18 46.3 |
| | | Japan (h = 25 km). | | | | | | |
| " | 5 | Sk | eP | 05 20 24 | " | 6 | Up eP | 16 04 08 |
| | | Ud | iP | 05 20 19.0 D | | | Ki eP | 16 03 48 |
| | | North Atlantic Ocean (h = N). | | | | | Um eP | 16 03 55 |
| " | 5 | Sk | eP | 08 57 18 | | | Ud eP | 16 04 17 |
| | | Ud | iP | 08 56 43.4 | | | Formosa (h = N). | |
| | | | i | 08 56 48.8 | " | 6 | De iPKP | 16 53 54.4 |
| | | Greece. | | | | | New Britain (h = 60 km). | |
| " | 5 | Sk | iP | 11 00 40.6 | " | 6 | Up ePKP | 17 01 44 |
| | | Um | eP | 11 00 57 | | | i(PP) | 17 02 55.6 |
| | | Ud | iP | 11 00 46.5 | | | | micr sec |
| | | Guatemala (h = 90 km). | | | | | Mx | E 4.6 20 |
| | | | | | | | Mx | N 6.8 20 |

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|--------------------------|------|-----------------|------|---|------|-------------------|
| Oct. | | | | Oct. | | | |
| 6 | (cont.) | | | 7 | Ud | iP | 03 37 03.4 |
| | Up | | micr sec | | De | eP | 03 36 28 |
| | Mx | Z | 11 20 | | Greece. | | |
| | Ki | iPKP | 17 01 30.0 | " | 7 | Up | iPKP 05 51 48.4 |
| | | ePP | 17 02 10 | | | Ud | iPKP 05 51 49.6 |
| | | | micr sec | | | De | iPKP 05 51 58.3 |
| | Mx | E | 12 25 | | | | ipPKP 05 53 36.1 |
| | Mx | N | 7.8 21 | | Fiji Islands. | | |
| | Mx | Z | 5.5 19 | | h = 410 km (De). | | |
| | Sk | ePKP | 17 01 37 | " | 7 | Ud | iPKP 12 53 31.1 |
| | | iPP | 17 02 43.1 | | | De | iPKP 12 53 36.7 |
| | Um | iPKP | 17 01 23.9 | | | | ipPKP 12 53 56.6 |
| | | iPP | 17 02 11 | | New Ireland. | | |
| | Ud | ePKP | 17 01 35 | | h = 70 km (De). | | |
| | | i | 17 01 46.9 | " | 7 | Up | i(PKP) 13 58 57.5 |
| | De | iPKP | 17 01 38.4 | | | Ud | i(PKP) 13 59 00.6 |
| | | i | 17 02 23.8 | | | | |
| | New Britain (h = 60 km). | | | " | 8 | Ud | iPKP 03 04 48.3 C |
| | M = 6.4 (Up,Ki). | | | | | | i 03 04 54.9 |
| " | 6 | Up | iP 20 13 03.1 | | De | iPKP | 03 04 50.2 C |
| | | Ki | iP 20 12 47.8 | | | | i 03 04 56.1 |
| | | Sk | iP 20 13 07.7 | | West Chile Rise (h = N). | | |
| | | Um | iP 20 12 52.6 | " | 8 | Ud | iP 04 19 05.5 |
| | | Ud | iP 20 13 10.3 | | Greece. | | |
| | | | i 20 13 11.9 | " | 8 | Um | iP 06 18 41.2 |
| | De | iP | 20 13 16.9 | | | Ud | iP 06 18 59.6 |
| | Mindanao (h = 540 km). | | | | Hindu Kush. | | |
| " | 6 | Up | iP 20 34 13.0 C | | Intermediate depth. | | |
| | | ipP | 20 34 49.3 | " | 8 | Ki | ePn 09 24 46 |
| | | | micr sec | | | | ePgl 09 24 53 |
| | | P | Z' 0.1 0.9 | | | | iSgl 09 26 00.4 |
| | Ki | iP | 20 34 12.7 | | | Um | iSgl 09 27 33.5 |
| | | | micr sec | | Northwest USSR. | | |
| | | P | Z' 0.2 1.0 | | Explosion. | | |
| | Sk | iP | 20 34 27.6 C | " | 8 | Ud | iPKP 10 09 32.2 |
| | Um | iP | 20 34 09.6 C | | | De | iPKP 10 09 43.6 C |
| | Ud | iP | 20 34 23.3 C | " | 8 | Ki | e(pP) 11 16 02 |
| | | i | 20 34 24.7 | | | Um | iP 11 15 58.5 |
| | De | iP | 20 34 22.1 C | | | | ipP 11 16 24.3 |
| | | ipP | 20 34 57.4 | | | Ud | iP 11 16 29.5 |
| | Sumatra. | | | | Japan. | | |
| | h = 140 km (Up,De). | | | | h = 100 km (Um). | | |
| | m = 5.8 (Up,Ki). | | | | The focal depth differs quite a lot from that determined by the NEIS, but makes a better fit to the clear P-onset at Um and Ud according to the Jeffreys-Bullen tables. | | |
| " | 7 | Up | i(P) 00 52 23.6 | | | | |
| " | 7 | De | iP 01 41 46.7 | | | | |
| | Laptev Sea (h = N). | | | | | | |
| " | 7 | Um | iP 02 14 33.7 | | | | |
| | | i | 02 14 45.6 | | | | |
| " | 7 | Um | iP 03 13 38.6 | | | | |
| | | Ud | iP 03 14 19.6 | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|--------------------------------|------------|------|---|------------------------------|--------------|
| Oct. | 8 | Ud iP | 12 38 57.6 | Oct. | 9 | (cont.) | |
| | | Kurile Islands. | | | | De iPKP | 00 23 54.4 |
| | | | | | | i | 00 24 09.0 |
| " | 8 | Um iP | 13 06 33.4 | " | 9 | Ki iP | 02 06 10.8 |
| | | ipP | 13 07 01.2 | | | Um iP | 02 05 50.5 |
| | | Ud iP | 13 06 51.8 | | | Ud iP | 02 05 57.4 |
| | | ipP | 13 07 19.3 | | | i | 02 06 22.8 |
| | | De iP | 13 06 55.7 | | | De iP | 02 05 43.7 |
| | | ipP | 13 07 24.7 | | | Iran (h = 50 km). | |
| | | Celebes. | | " | 9 | Up eP | 05 59 39 |
| | | h = 110 km (Um,Ud,De). | | | | Ki iP | 05 59 21.4 |
| " | 8 | Um iP | 16 04 07.2 | | | Ud iP | 05 59 43.0 |
| " | 8 | Ud iP | 16 06 56.9 | | | Molucca Passage (h = 35 km). | |
| " | 8 | Up iP | 17 08 39.5 | " | 9 | Ud iP | 06 02 56.6 |
| " | 8 | Up eP | 17 14 11 | | | Alaska (h = N). | |
| | | Um iP | 17 13 48.6 | " | 9 | Up iP | 07 26 04.6 C |
| | | Ud iP | 17 14 17.3 | | | | micr sec |
| | | De eP | 17 14 38 | | | P | Z' 0.2 1.0 |
| | | Japan (h = 60 km). | | | | Mx | N 0.5 15 |
| " | 8 | Um iP | 18 16 12.2 | | | Mx | Z 0.5 15 |
| " | 8 | Um iSKP | 19 48 23.5 | | | Ki iP | 07 26 37.8 C |
| | | Ud iPKP | 19 45 46.6 | | | iPP | 07 28 26.2 |
| | | iSKP | 19 48 36.8 | | | | micr sec |
| | | De iPKP | 19 45 58.7 | | | P | Z' 0.1 0.8 |
| | | iSKP | 19 48 45.1 | | | Mx | E 0.6 13 |
| | | Fiji Islands (h = 610 km). | | | | Mx | N 1.4 16 |
| " | 8 | Ki eP | 21 12 04 | | | Sk iP | 07 26 38.3 C |
| | | Ud iP | 21 12 13.1 | | | i | 07 27 12.8 |
| | | De iP | 21 12 10.5 | | | iPP | 07 28 27.2 |
| | | Pakistan (h = 45 km). | | | | Um iP | 07 26 16.1 C |
| " | 8 | Up iP | 23 02 05.2 | | | Ud iP | 07 26 20.1 C |
| | | i | 23 02 20.9 | | | De iP | 07 26 05.5 C |
| | | Ud iP | 23 02 18.7 | | | Iran (h = N). | |
| | | i | 23 02 37.7 | | | m = 5.9, M = 5.0 (Up,Ki). | |
| | | De eP | 23 02 18 | " | 9 | Ud iP | 08 37 15.7 |
| | | i | 23 02 35.6 | | | De iP | 08 36 59.0 |
| | | Afghanistan-USSR (h = 110 km). | | | | Iran (h = 10 km). | |
| " | 8 | Ud iPKP | 23 20 38.7 | " | 9 | Up iP | 09 44 23.0 |
| | | i | 23 20 40.7 | | | iPcP | 09 44 46.8 |
| | | i | 23 20 50.2 | | | Ki iP | 09 43 38.6 |
| | | De iPKP | 23 20 51.4 | | | Sk iP | 09 44 13.1 |
| " | 9 | Up iPKP | 00 23 44.3 | | | Um iP | 09 43 58.4 |
| | | i | 00 23 52.0 | | | iPcP | 09 44 31.0 |
| | | Sk iPKP | 00 23 43.1 | | | Ud iP | 09 44 29.4 |
| | | Um iPKP | 00 23 34.2 | | | ipP | 09 44 45.1 |
| | | Ud iPKP | 00 23 46.8 | | | De iP | 09 44 46.6 |
| | | i | 00 23 55.5 | | | Kurile Islands. | |
| | | (cont.) | | " | 9 | Up iP | 09 50 59.3 |
| | | | | | | Ki iP | 09 50 15.5 |
| | | | | | | (cont.) | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|---------------------------------|--------------|------|----|--|--------------|
| Oct. | | (cont.) | | Oct. | | (cont.) | |
| | 9 | Um iP | 09 50 35.4 | | 10 | Up iSKS | 23 06 43 |
| | | Ud iP | 09 51 06.9 | | | | micr sec |
| | | De iP | 09 51 23.8 | | | PP Z' | 0.4 2.0 |
| | | Kurile Islands (h = 45 km). | | | Sk | eP | 22 56 27 |
| " | 9 | Up iP | 11 08 16.4 | | | i(PKKP) | 23 11 57.7 |
| " | 9 | Um iP | 11 59 25.5 | | Um | iPP | 23 00 49.1 |
| | | Aleutian Islands (h = 40 km). | | | | iSKS | 23 06 52 |
| " | 9 | Um eSgl | 13 23 37 | | Ud | iP | 22 56 17.8 |
| | | Ud iSgl | 13 24 09.2 | | | iPP | 23 00 18.5 |
| | | De eSgl | 13 24 34 | | | i | 23 00 21.1 |
| | | Western USSR. Explosion. | | | De | iP | 22 56 15.1 |
| | | | | | | iPP | 23 00 14.7 |
| | | | | | | ePKKP | 23 12 22 |
| | | | | | | Chile-Bolivia (h = 130 km). | |
| " | 9 | Up iP | 15 17 23.8 | " | 11 | Up iP | 00 40 18.0 C |
| | | Ud iP | 15 17 40.4 | | | ipP | 00 40 46.8 |
| | | Hindu Kush (h = 100 km). | | | Ki | iP | 00 39 24.1 |
| " | 9 | Up iP | 23 57 13.2 | | | ipP | 00 39 52.2 |
| | | Ki iP | 23 57 51.1 | | Sk | iP | 00 40 01.2 |
| | | Um iP | 23 57 28.1 | | Um | iP | 00 39 46.3 |
| | | Ud iP | 23 57 29.0 | | Ud | iP | 00 40 21.5 C |
| | | De iP | 23 57 12.0 | | De | iP | 00 40 43.3 C |
| | | Iran (h = 20 km). | | | | ipP | 00 41 10.7 |
| | | | | | | Kamchatka. h = 120 km (Up,Ki,De). | |
| " | 10 | Ud iP | 02 28 37.8 | " | 11 | Up iP | 00 44 35.4 |
| | | De iP | 02 28 10.3 | | | Ki iP | 00 44 06.6 |
| | | Dodecanese Islands (h = 50 km). | | | | Um iP | 00 44 18.6 C |
| " | 10 | Up iP | 04 37 02.0 | | | Ud iP | 00 44 41.3 |
| | | Ki iP | 04 38 09.0 | | | De iP | 00 44 53.0 |
| | | Sk iP | 04 37 39.9 | | | Mariana Islands (h = 320 km). | |
| | | Um iP | 04 37 33.6 | " | 11 | Ud iP | 07 05 55.6 |
| | | Ud iP | 04 37 09.0 | | | Greece. | |
| | | De iP | 04 36 36.4 C | " | 11 | Ki iP | 07 26 13.1 |
| | | Crete (h = N). | | | | Ud eP | 07 26 49 |
| " | 10 | Up iP | 07 37 44.5 | " | 11 | Sk eSgl | 10 21 06 |
| " | 10 | Sk eP | 12 31 01 | | | Southwest Norway. By combination with Bergen readings. | |
| | | Ud eP | 12 31 03 | " | 11 | Up iPKP | 11 06 21.8 |
| | | Panama (h = N). | | | | Ud iPKP | 11 06 23.4 |
| " | 10 | Ud iP | 19 29 08.9 | | | De iPKP | 11 06 35.0 |
| | | De iP | 19 28 36.4 | | | i | 11 06 47.5 |
| | | Crete (h = 40 km). | | | | ipPKP | 11 08 57.8 |
| " | 10 | Ki iP | 21 05 22.0 | | | Fiji Islands. h = 650 km (De). | |
| | | Ud iP | 21 05 57.1 | " | 11 | Ud iP | 13 29 49.1 |
| | | Ryukyu Islands (h = 50 km). | | | | De iP | 13 29 39.3 |
| " | 10 | Up iP | 22 56 25.4 | | | | |
| | | iPP | 23 00 34.5 | | | | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Oct. 12 Up iP 00 29 06.3 C
iPP 00 30 47.8
micr sec
PP Z' 0.1 1.0
Ki iP 00 29 13.0
micr sec
P Z' 0.1 0.8
Sk iP 00 29 31.0
iX 00 29 49.9
Um iP 00 29 03.9 C
Ud iP 00 29 23.3 C
De iP 00 29 20.0

Kashmir (h = 50 km).

m = 5.6 (Up,Ki).

For suggested interpretation
of X (Sk), see Sep. 3, 1972,
at 16.56.

" 12 Ud iP 10 33 36.4

" 12 Ud iPgl 12 10 04.1
iSgl 12 10 28.5
De iSgl 12 11 24.7

South Norway,
59.5°N, 10.3°E.

Origin time = 12 09 32.

By combination with
Kongsberg readings.

" 12 Up iP 18 03 16.4 C
iSKS 18 13 42
Ki iP 18 03 00.0
iPP 18 06 53.9
micr sec

P Z' 0.1 1.1

Sk eP 18 03 23

iPP 18 07 27.6

Um iP 18 03 05.6

iSKS 18 13 31

Ud iP 18 03 24.3

i 18 04 02.8

i(PP) 18 06 49.7

i(PP) 18 07 22.5

Halmahera (h = 110 km).

" 12 Ud iP 23 10 01.6

" 13 Up iSgl 01 32 22.2
Ki iPgl 01 28 44.7
iSgl 01 28 53.9
iRg 01 28 57.0
micr sec

Rg Z' 0.3 1.0

Sk eSgl 01 31 12

Um iSgl 01 30 18.8

Ud eSgl 01 32 37

(cont.)

1972

Oct. 13 (cont.)
Malmberget, Sweden,
67.2°N, 20.5°E.
Origin time = 01 28 34.
Rockburst at the iron ore
mines.
Felt.

" 13 Up iSgl 01 32 43.6

Ki iPgl 01 29 05.9

iSgl 01 29 14.9

iRg 01 29 17.9

micr sec

Rg Z' 1.6 1.0

Sk iSgl 01 31 33.5

Um iPgl 01 29 55.3

iSn 01 30 28.2

iSgl 01 30 39.9

iRg 01 31 02.2

Ud iSn 01 32 15.5

iSgl 01 32 59.0

Malmberget, Sweden,
67.2°N, 20.5°E.

Origin time = 01 28 56.

Rockburst at the iron ore
mines.

Felt.

" 13 Up iP 04 57 04.4 D

iPP 04 57 14.5

iS 05 05 50

iP'P' 05 25 23.9

micr sec

P Z' 0.3 1.0

pP Z' 0.3 1.0

Mx E 1.3 23

Mx N 2.5 23

Mx Z 3.5 23

Ki iP 04 56 11.7 D

iPP 04 56 22.6

iS 05 04 17

iP'P' 05 25 43.4

micr sec

P Z' 0.5 1.0

pP Z' 0.9 1.3

Mx E 2.0 16

Mx N 1.9 16

Mx Z 1.4 15

Sk iP 04 56 40.0 D

iPP 04 56 50.6

i 05 25 26.9

iP'P' 05 25 33.3

Um iP 04 56 38.6 D

iPP 04 56 49.0

iS 05 05 11

i 05 25 23.2

iP'P' 05 25 30.4

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Oct. 13 (cont.)
 Ud iP 04 57 03.5 D
 ipP 04 57 14.1
 iP'P' 05 25 24.3
 De iP 04 57 25.8 D
 ipP 04 57 36.9

Alaska.
 h = 40 km (Up,Ki,Sk,Um,Ud,
 De).
 m = 6.5, M = 5.5 (Up,Ki).
 Double P'P' at Sk and Um.

" 13 Up iP 05 12 31.3 C
 iPP 05 14 14.1
 micr sec
 P Z' 0.1 0.7
 Ki iP 05 12 37.9 C
 Sk iP 05 12 56.3 C
 Um iP 05 12 28.5 C
 iPP 05 14 09.6
 Ud iP 05 12 47.9 C
 iPP 05 14 34.1
 De iP 05 12 46.1 C
 iPP 05 14 32.3
 Kashmir (h = N).

" 13 Up iP 09 36 42.5
 Um iP 09 36 14.0
 Ud iP 09 36 46.9
 Aleutian Islands (h = N).

" 13 Ud iP 12 02 43.5

" 13 Ud iP 16 17 06.6
 Colombia (h = 170 km).

" 13 Up iPKP 17 49 00.2
 Um iPKP 17 48 50.8 C
 Ud ePKP 17 49 00

" 14 Up iP 00 10 24.3 C
 ipP 00 11 46.6
 iS 00 18 32.7
 iScS 00 19 35.5
 micr sec
 P Z' 0.1 0.8
 Ki iP 00 09 36.8 C
 epP 00 11 03
 micr sec
 P Z' 0.2 0.9
 Um iP 00 09 58.7 C
 ipP 00 11 22.3
 iS 00 17 45.2
 iScS 00 19 06.4
 Ud iP 00 10 29.8 C
 ipP 00 11 52.9
 (cont.)

1972

Oct. 14 (cont.)
 De iP 00 10 48.4 C
 Okhotsk Sea.
 h = 400 km (Up,Um,Ud).
 m = 5.6 (Up,Ki).

" 14 Um iP 02 25 01.1
 Tanimbar Islands (h = N).

" 14 Up iP 03 40 27.5 C
 i 03 40 44.1
 micr sec
 P Z' 0.1 0.9
 Ki iP 03 39 35.3
 Um iP 03 40 01.6 C
 i 03 40 21.3
 iPcP 03 40 36.6
 Ud iP 03 40 28.0
 De iP 03 40 50.2
 Aleutian Islands (h = 60 km).

" 14 Um eP 06 09 45
 Celebes (h = 170 km).

" 14 Ud iPKP 08 03 46.6
 De iPKP 08 03 56.8

" 14 Up ePKP 12 26 24
 i 12 26 30.9
 Um iPKP 12 26 12.8
 i 12 26 26.6
 Ud iPKP 12 26 24.2
 i 12 26 31.8
 De iPKP2 12 26 47.4
 South of Kermadec Islands
 (h = N).

" 14 Um iPKP 12 57 41.3
 Ud iPKP 12 57 53.2
 i 12 58 01.4

" 14 Up iP 13 01 30.0
 Um iP 13 01 35.8
 Ud iP 13 01 54.1 C
 De eP 13 01 52

Hindu Kush.
 Intermediate depth.

" 14 Ud iP 14 45 43.7
 Kamchatka.

" 14 Um iPKP 15 10 19.1 C
 Ud iPKP 15 10 28.6
 New Hebrides Islands
 (h = 60 km).

" 14 Um iP 15 46 27.7

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|------------------------------------|---------|--------------|------|----|--|----------|--------------|
| Oct. | 14 | Um | iP | 16 33 27.1 | Oct. | 15 | Um | iPKP | 04 30 02.6 |
| | | Ud | iP | 16 32 57.2 | | | | i | 04 30 14.0 |
| " | 14 | Ud | iPKP | 18 36 33.9 | | | Ud | iPKP | 04 30 14.6 |
| | | | i | 18 36 40.0 | | | | i | 04 30 21.5 |
| | | De | iPKP | 18 36 45.8 | " | 15 | Up | iPcP | 04 44 17.0 |
| " | 15 | Up | iPKP | 00 11 54.3 D | | | | micr sec | |
| | | | i | 00 12 01.9 | | | PcP | Z' | 0.1 0.9 |
| | | | | micr sec | | | Ki | iP | 04 42 53.1 |
| | | | PKP | Z' 0.1 1.0 | | | Sk | iPcP | 04 44 08.3 |
| | | Ki | iPKP | 00 11 31.8 | | | Um | iPcP | 04 44 01.2 |
| | | | | micr sec | | | Ud | iP | 04 43 53.7 |
| | | | Mx | N 1.0 19 | | | | iPcP | 04 44 19.5 |
| | | Sk | iPKP | 00 11 49.2 | | | De | iPcP | 04 44 33.5 |
| | | Um | iPKP | 00 11 43.6 | | | Kurile Islands (h = 120 km). | | |
| | | Ud | iPKP | 00 11 55.9 | " | 15 | Up | iPKP | 05 41 08.6 |
| | | | i | 00 12 06.0 | | | | i | 05 41 26.9 |
| | | De | ePKP | 00 12 05 | | | | | micr sec |
| | | | i | 00 12 18.7 | | | | PKP | Z' 0.1 1.3 |
| | | South of Kermadec Islands (h = N). | | | | | | i | Z' 0.2 1.2 |
| " | 15 | Ud | iP | 01 13 03.6 | | | Sk | iPKP | 05 41 02.3 |
| " | 15 | Um | iPKP | 01 17 38.3 | | | | i | 05 41 14.6 |
| | | | i | 01 17 51.6 | | | Um | iPKP | 05 40 57.0 C |
| | | Ud | iPKP | 01 17 51.3 C | | | | i | 05 41 09.2 |
| | | | i | 01 18 03.9 | | | | iPKKP | 05 49 44.9 |
| " | 15 | Up | iPKP | 01 19 49.2 | | | | i | 05 50 00.3 |
| | | | i | 01 19 57.1 | | | Ud | iPKP | 05 41 09.3 |
| | | | | micr sec | | | | i | 05 41 18.6 |
| | | | PKP | Z' 0.1 1.1 | | | | i | 05 41 48.1 |
| | | Ki | iPKP | 01 19 27.9 | " | 15 | Um | iP | 07 16 12.9 |
| | | | | micr sec | " | 15 | Up | iP | 07 56 50.2 |
| | | | PKP | Z' 0.5 2.0 | | | Ki | iP | 07 55 55.9 |
| | | Sk | iPKP | 01 19 43.3 | | | Um | iP | 07 56 21.5 |
| | | Um | iPKP | 01 19 38.6 | | | | ipP | 07 56 31.9 |
| | | | i | 01 19 51.3 | | | Ud | iP | 07 56 46.3 |
| | | Ud | iPKP | 01 19 51.2 | | | | ipP | 07 56 57.2 |
| | | | i | 01 20 00.4 | | | De | eP | 07 57 09 |
| | | De | iPKP2 | 01 20 12.0 | | | South of Alaska. h = 40 km (Um,Ud). | | |
| | | South of Kermadec Islands (h = N). | | | " | 15 | Ud | eP | 08 53 11 |
| " | 15 | Um | iP | 03 39 46.9 | " | 15 | Up | i(PKP) | 10 47 12.8 |
| | | Ud | iP | 03 40 06.2 | | | Ki | iPKP | 10 47 08.2 |
| | | Kashmir. | | | | | Um | i(PKP) | 10 47 07.1 |
| " | 15 | Up | ePKP | 03 44 27 | | | | iPKP | 10 47 13.2 |
| | | | i | 03 44 35.4 | | | Ud | i(PKP) | 10 47 15.6 |
| | | Sk | i(PKP2) | 03 44 40.9 | | | | iPKP | 10 47 19.3 |
| | | Um | iPKP | 03 44 14.6 | | | De | iPKP | 10 47 23.6 |
| | | | i | 03 44 26.1 | | | Loyalty Islands (h = 100 km). | | |
| | | Ud | iPKP | 03 44 26.7 | " | 15 | Sk | iP | 11 18 03.5 |
| | | | i | 03 44 35.4 | | | (cont.) | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|----------------------------|-------|--------------|----|----|----|----------|-------------------------------|
| Oct. | 15 | (cont.) | | Oct. | 15 | Ud | eP | 17 42 59 | |
| | | Ud | iP | 11 17 56.1 | " | 15 | Ki | eP | 17 58 39 |
| | | Hindu Kush. | | | | | Ud | iP | 17 58 22.0 |
| | | Intermediate depth. | | | | | | | |
| " | 15 | Um | iPKP | 12 19 46.5 | " | 15 | Up | iP | 19 45 37.5 |
| | | Ud | iPKP | 12 19 59.7 | | | | | micr sec |
| | | i | | 12 20 08.1 | | | | P | Z' 0.1 1.0 |
| | | South of Kermadec Islands | | | | | Ki | eP | 19 44 45 |
| | | (h = N). | | | | | Ud | iP | 19 45 36.8 |
| " | 15 | Ud | iP | 14 42 06.0 | | | De | eP | 19 45 59 |
| | | | | | | | | | Aleutian Islands (h = 60 km). |
| " | 15 | Ud | iP | 14 46 29.8 | " | 15 | Up | iPKP2 | 20 25 49.1 |
| | | | | | | | Sk | ePKP | 20 25 22 |
| " | 15 | Up | iP | 14 55 45.5 C | | | Um | iPKP | 20 25 18.1 |
| | | | iPP | 14 57 28.3 | | | Ud | iPKP | 20 25 30.9 |
| | | | | micr sec | | | i | | 20 25 39.8 |
| | | | P | Z' 0.1 1.1 | | | | | South of Kermadec Islands. |
| | | Ki | iP | 14 55 51.5 C | | | | | Origin time = 20 05 39. |
| | | Sk | iP | 14 56 09.3 C | " | 15 | Up | iP | 22 07 42.0 |
| | | Um | iP | 14 55 42.6 C | | | | i | 22 07 47.0 |
| | | Ud | iP | 14 56 02.0 C | | | | iPP | 22 07 58.6 |
| | | | i | 14 56 20.8 | | | | | micr sec |
| | | | iPP | 14 57 48.2 | | | | P | Z' 0.1 1.0 |
| | | De | iP | 14 55 59.1 | | | Sk | iP | 22 08 22.9 |
| | | Kashmir (h = 60 km). | | | | | | iPP | 22 08 39.3 |
| " | 15 | Um | iP | 15 12 07.5 | | | Um | iP | 22 08 25.0 |
| " | 15 | Ud | iP | 16 13 52.3 | | | Ud | iP | 22 07 48.6 |
| " | 15 | Up | ePKP | 16 48 18 | | | | i | 22 07 53.7 |
| | | | iPKP2 | 16 48 37.7 | | | | iPP | 22 08 04.0 |
| | | Sk | ePKP | 16 48 13 | | | De | iPP | 22 07 30.0 |
| | | Um | iPKP | 16 48 06.8 C | | | | | Greece. |
| | | | i | 16 48 20.3 | | | | | h = 80 km (Up,Sk,Ud). |
| | | Ud | iPKP | 16 48 18.3 C | " | 16 | Ud | eP | 00 55 33 |
| | | | iPKP2 | 16 48 33.3 | " | 16 | Up | iP | 03 32 29.3 |
| | | | i | 16 48 41.6 | | | Ki | iP | 03 31 43.5 |
| | | South of Kermadec Islands. | | | | | Um | iP | 03 32 03.9 |
| | | Origin time = 16 28 29. | | | | | Ud | iP | 03 32 35.4 |
| " | 15 | Ki | eP | 17 03 31 | | | De | iP | 03 32 53.2 |
| | | Ud | iP | 17 03 16.0 | | | | | Kurile Islands (h = 45 km). |
| " | 15 | Up | iPKP | 17 10 36.7 C | " | 16 | Up | iPKP | 04 42 52.9 |
| | | | iPKP2 | 17 10 53.7 | | | Sk | ePKP | 04 42 47 |
| | | Sk | iPKP2 | 17 10 38.9 | | | Um | iPKP | 04 42 41.2 |
| | | Um | iPKP | 17 10 27.9 C | | | Ud | iPKP | 04 42 55.2 |
| | | | i | 17 10 43.3 | | | | i | 04 42 59.5 |
| | | Ud | iPKP | 17 10 39.8 | | | De | i | 04 43 12.3 |
| | | | i | 17 10 47.7 | | | | | Kermadec Islands (h = 55 km). |
| | | | iPKP2 | 17 10 56.1 | " | 16 | Um | iP | 05 20 20.0 |
| | | De | iPKP | 17 10 50.4 C | | | Ud | iP | 05 20 45.9 |
| | | South of Kermadec Islands. | | | | | De | iP | 05 21 08.5 |
| | | Origin time = 16 50 49. | | | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|-----------|-------|--------------|------|----|------------------------------|--------|--------------|
| Oct. | 16 | Up | iP | 06 33 18.2 | Oct. | 17 | (cont.) | | |
| | | Ud | iP | 06 33 35.9 | | | Um | i | 06 34 30.9 |
| | | Kashmir. | | | | | Ud | iPKP | 06 34 30.2 C |
| " | 16 | Up | i(P) | 07 58 38.6 | | | | i | 06 34 37.4 |
| | | | (P) | micr sec | | | South of Kermadec Islands | | |
| | | | Z' | 0.1 1.0 | | | (h = N). | | |
| " | 16 | De | iP | 09 03 19.7 | " | 17 | Up | i(PKP) | 07 33 00.0 |
| " | 16 | Um | iP | 09 45 23.4 | | | Um | iPKP | 07 32 45.7 |
| | | Ud | iP | 09 45 37.0 | | | | i | 07 32 58.5 |
| | | De | iP | 09 45 31.2 | | | Ud | iPKP | 07 32 57.5 |
| | | Pakistan. | | | | | De | iPKP | 07 33 08.4 |
| " | 16 | Ki | eP | 11 02 47 | " | 17 | Up | i | 07 54 16.9 |
| " | 16 | Up | iPKP | 14 30 50.6 | | | Um | iPKP | 07 53 57.9 C |
| | | | i | 14 30 56.9 | | | | i | 07 54 10.7 |
| | | | PKP | micr sec | | | Ud | iPKP | 07 54 09.6 |
| | | | Z' | 0.1 1.0 | " | 17 | Ud | iPn | 08 44 00.5 |
| | | Um | iPKP | 14 30 40.2 | | | | iPgl | 08 44 10.1 |
| | | | i | 14 30 53.8 | | | | iSgl | 08 45 02.6 |
| | | Ud | iPKP | 14 30 52.1 | | | De | e(Pn) | 08 43 49 |
| | | | i | 14 30 59.0 | | | | iPgl | 08 44 02.2 |
| | | De | iPKP2 | 14 31 15.0 | | | | iSn | 08 44 34.5 |
| | | | | | | | | iSgl | 08 44 51.6 |
| | | | | | | | Off south coast of Norway. | | |
| " | 16 | Up | iPKP | 16 30 42.4 | | | By combination with | | |
| | | | i | 16 30 49.1 | | | Kongsberg and Bergen | | |
| | | Um | iPKP | 16 30 31.2 | | | readings. | | |
| | | Ud | iPKP | 16 30 43.4 C | " | 17 | Ki | iPn | 10 28 31.9 |
| | | | i | 16 30 49.5 | | | | iPgl | 10 28 40.1 |
| | | De | ePKP2 | 16 31 06 | | | | iSn | 10 29 18.5 |
| " | 16 | Ud | iP | 16 57 35.8 | | | | iSgl | 10 29 33.0 |
| | | Kashmir. | | | | | Sk | iSgl | 10 32 21.5 |
| " | 16 | Ud | iP | 19 51 16.4 C | | | Um | iSgl | 10 31 07.0 |
| | | Japan. | | | | | Northwest USSR-Norway border | | |
| " | 16 | Ud | iP | 23 44 30.5 | | | region, 69.6°N, 30.5°E. | | |
| | | | i | 23 44 44.5 | | | Origin time = 10 27 29. | | |
| | | Greece. | | | | | Explosion. | | |
| " | 17 | Up | iP | 01 30 55.1 | " | 17 | Ki | iP | 12 06 53.9 |
| " | 17 | Ud | iP | 02 04 22.2 | | | Um | iP | 12 06 42.5 |
| " | 17 | Um | iP | 06 17 44.9 | | | Ud | iP | 12 07 01.9 |
| " | 17 | Up | iPKP | 06 34 27.1 C | | | De | iP | 12 06 59.0 |
| | | | i | 06 34 37.6 | | | Hindu Kush. | | |
| | | | PKP | micr sec | | | Intermediate depth. | | |
| | | | Z' | 0.1 1.0 | " | 17 | Up | ePKP | 15 49 18 |
| | | Sk | iPKP | 06 34 24.6 | | | Um | iPKP | 15 49 08.7 |
| | | Um | iPKP | 06 34 18.5 C | | | Ud | iPKP | 15 49 20.1 |
| | | (cont.) | | | " | 17 | Um | iP | 18 07 06.1 |
| | | | | | " | 17 | Ki | iP | 18 41 03.4 |
| | | | | | | | Um | iP | 18 41 04.3 |
| | | | | | | | (cont.) | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|---------|-------|---------------------------|----|----|-----------------------|---------------------|----------------------------|
| Oct. | 17 | (cont.) | | Oct. | 18 | Up | iP | 14 40 34.4 | C |
| | | Um | i | | | Ud | iP | 17 24 05.9 | |
| | | Ud | iP | | | | Greece. | | |
| " | 17 | Um | iPKP | 20 14 48.5 | | | | | |
| | | Ud | iPKP | 20 14 48.4 | " | 18 | Up | | |
| " | 17 | Up | | micr sec | | | Mx | E | 2.0 21 |
| | | Mx | E | 2.2 23 | | | Mx | N | 3.6 22 |
| | | Mx | N | 2.1 23 | | | Mx | Z | 3.3 20 |
| | | Mx | Z | 3.2 23 | | Ki | iP | | 18 32 22.5 |
| | | Ki | iP | 21 37 13.8 | | | ipP | | 18 32 28.3 |
| | | | | micr sec | | | P | Z' | 0.1 0.8 |
| | | Mx | E | 3.0 17 | | | Mx | E | 4.0 19 |
| | | Mx | N | 3.2 18 | | | Mx | N | 3.5 21 |
| | | Mx | Z | 3.4 17 | | | Mx | Z | 3.8 20 |
| | | Um | iP | 21 37 16.2 | | Um | iP | | 18 32 26.1 |
| | | Ud | iP | 21 37 32.7 | | | ipP | | 18 32 32.1 |
| | | | i(PP) | 21 40 47.8 | | Ud | iP | | 18 32 45.2 |
| | | | | Sumba Island (h = N). | | | ipP | | 18 32 51.0 |
| | | | | M = 5.9 (Up,Ki). | | | i(PP) | | 18 35 48.5 |
| | | | | | | | Timor. | | |
| " | 18 | Up | iPKP | 01 18 10.0 | | | h = 20 km (Ki,Um,Ud). | | |
| | | Um | iPKP | 01 18 00.5 | | | M = 6.1 (Up,Ki). | | |
| | | | i | 01 18 13.0 | " | 18 | Ki | iP | 18 41 57.7 |
| | | Ud | iPKP | 01 18 12.1 | | | Kurile Islands. | | |
| | | | i | 01 18 25.5 | " | 18 | Ud | iP | 20 16 13.1 |
| " | 18 | Up | iP | 01 59 44.1 C | | | Timor (h = N). | | |
| | | | | micr sec | " | 18 | Up | iP | 23 05 34.7 |
| | | P | Z' | 0.2 1.2 | | | Sk | iP | 23 06 16.3 |
| | | Ki | iP | 01 59 06.3 C | | | Um | iP | 23 06 15.9 |
| | | Um | iP | 01 59 22.9 C | | | Ud | iP | 23 05 42.5 |
| | | Ud | iP | 01 59 51.6 C | | | | ipP | 23 06 04.2 |
| | | | | Japan (h = 80 km). | | | | Greece (h = 80 km). | |
| " | 18 | Up | i | 02 49 45.2 | " | 18 | Um | iPKP | 23 26 08.7 |
| | | Um | iPKP | 02 49 28.6 | | | | i | 23 26 21.6 |
| | | | i | 02 49 41.2 | | | Ud | iPKP2 | 23 26 32.9 |
| | | Ud | iPKP | 02 49 40.4 | " | 19 | Um | eP | 09 03 20 |
| | | | iPKP2 | 02 50 00.3 | | | | | |
| " | 18 | Up | iSgl | 13 11 14.0 | " | 19 | Ud | iP | 15 02 28.1 |
| | | Ki | eSgl | 13 13 45 | | | | | Eastern Mediterranean Sea. |
| | | Sk | eSgl | 13 13 02 | " | 19 | Up | i(P) | 15 03 43.6 |
| | | Um | iSgl | 13 11 47.4 | | | | | micr sec |
| | | Ud | eSgl | 13 12 18 | | | (P) | Z' | 0.1 0.9 |
| | | De | iSgl | 13 12 44.2 | " | 19 | Ud | iP | 15 13 58.9 |
| | | | | Esthonia, 59.6°N, 24.8°E. | | | | | |
| | | | | Origin time = 13 09 18. | " | 19 | Ki | iP | 21 31 49.3 C |
| | | | | Explosion. | | | Um | iP | 21 32 02.4 C |
| " | 18 | Ud | iPKP | 13 30 42.1 | " | 19 | Ud | iP | 21 32 24.8 C |
| | | | | Kermadec Islands (h = N). | | | | | Mariana Islands. |
| " | 18 | Up | eP | 14 23 25 | | | | | |
| | | Ud | eP | 14 23 27 | | | | | |
| | | | | Greece. | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Oct. 19 Up iPKP 22 36 16.8
micr sec
PKP Z' 0.4 1.6
Ki iPKP 22 36 15.5
iPKP2 22 36 25.9
micr sec
PKP Z' 0.1 0.9
Sk ePKP 22 36 25
Um iPKP 22 36 14.3
Ud iPKP 22 36 24.6
iPKP2 22 36 35.8
De iPKP 22 36 20.6
South of Australia (h = N).

" 20 Um iP 02 32 58.9

" 20 Up iP 04 42 52.5
i 04 42 56.7
iS 04 50 06
micr sec
P Z' 0.3 1.1
i Z' 0.4 1.1
Mx E 8.2 18
Mx N 6.7 18
Mx Z 15 18
Ki iP 04 43 29.5
i 04 43 34.6
micr sec
P Z' 0.2 0.8
i Z' 0.6 1.3
Mx E 7.4 16
Mx N 5.4 15
Mx Z 3.8 15
Sk iP 04 42 55.5
Um iP 04 43 15.3
Ud iP 04 42 40.7
i 04 42 44.2
i 04 43 07.7
De iP 04 42 27.9
i 04 42 56.3
iPP 04 44 21.8
North Atlantic Ocean (h = N).
m = 6.4, M = 6.0 (Up,Ki).

" 20 Ki iP 06 18 57.4

" 20 Ki iP 06 20 03.0
Um iP 06 20 30.9
Ud iP 06 20 55.8
Unimak Island (h = 40 km).

" 20 Ud iP 06 24 24.2

" 20 Um iP 06 41 19.7

" 20 Up iPKP 06 58 56.4
(cont.)

1972

Oct. 20 (cont.)
Up iPKP2 06 59 02.4
micr sec
PKP2 Z' 0.1 1.2
Ki iPKP2 06 59 01.5
micr sec
PKP2 Z' 0.2 1.5
Sk iPKP2 06 59 13.3
Um iPKP2 06 59 01.9
Ud iPKP2 06 59 12.4
De iPKP2 06 59 10.5
South of Australia (h = N).

" 20 Up iP 08 30 37.7
i 08 34 18.6
micr sec

P Z' 0.1 1.2
i Z' 0.5 1.9
Mx E 12 18
Mx N 13 17
Mx Z 22 18
Ki eP 08 30 27
iS 08 40 59
micr sec
P Z' 0.7 2.5
Mx E 25 19
Mx N 23 21
Mx Z 23 16
Sk iP 08 30 24.8
iPP 08 33 38.5
Um iP 08 30 39.9
Ud iP 08 30 36.3
iPP 08 33 58.8
De iP 08 30 46.8
Mexico (h = 40 km).
m = 6.2, M = 6.7 (Up,Ki).

" 20 Ki iP 11 54 22.3
Banda Sea (h = 130 km).

" 20 Up iP 12 40 47.7
Ki iP 12 40 51.3

" 20 Ki iPn 13 02 45.7
iPgl 13 02 54.0
iSn 13 03 31.9
iS* 13 03 44.7
Um iSgl 13 05 21.4
Northwest USSR-Norway border
region, 69.7°N, 30.0°E.
Origin time = 13 01 45.
Explosion.

" 20 Um i 13 49 33.6
iSgl 13 49 39.7
Ud eSgl 13 51 33
Lake Ladoga region.
Explosion?

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Oct. 20 Ki iPKP 17 32 21.8
 Sk iPKP 17 32 37.5
 Um iPKP 17 32 33.0
 i 17 32 45.5
 Ud iPKP 17 32 45.9
 De iPKP 17 32 57.2

" 20 Up iP 22 52 02.2
 Ki iP 22 51 52.6
 Ud iP 22 52 15.1
 De eP 22 52 18

" 21 Ki iP 01 41 58.4
 Sk eP 01 42 13
 Sumatra (h = 210 km).

" 21 Up iP 04 27 57.8 C
 micr sec
 Mx E 0.9 19
 Mx N 0.7 15
 Mx Z 1.1 16
 Ki iP 04 27 35.1 C
 i 04 27 39.7
 micr sec
 Mx E 1.0 12
 Mx N 0.8 11
 Mx Z 1.2 12
 Sk iP 04 28 01.7 C
 Um iP 04 27 43.0 C
 Ud iP 04 28 07.5 C
 i 04 28 19.4
 Formosa (h = 35 km).
 M = 5.3 (Up,Ki).

" 21 Up iPKP 06 34 25.2
 Ud iPKP 06 34 27.9
 i 06 34 36.4
 De iPKP 06 34 38.7
 Tonga-Kermadec Islands
 (h = 140 km).

" 21 De iPKP 09 26 57.6
 Tonga Islands (h = 40 km).

" 21 Ud iPKP 11 36 26.7
 i 11 36 31.8
 De iPKP 11 36 35.6

" 21 Ud eP 18 44 30

" 21 Up iP 20 01 36.8
 micr sec
 P Z' 0.1 1.0
 Ki iP 20 00 40.0
 i 20 00 51.3
 iP 20 01 10.9
 (cont.)

1972

Oct. 21 (cont.)
 Ki micr sec
 P Z' 0.1 0.7
 Sk iP 20 01 08.4
 epP 20 01 42
 Um iP 20 01 09.7
 iP 20 01 40.7
 Ud iP 20 01 33.4
 i 20 03 02.4
 De iP 20 01 59.4
 iP 20 02 32.4

Alaska.
 h = 140 km (Ki,Sk,Um,De).
 m = 5.7 (Up,Ki).

" 21 Up iP 23 30 03.9
 Ki iP 23 29 44.5
 Sk eP 23 30 08
 Um iP 23 29 50.4
 Ud iP 23 30 12.5

" 21 Ud iP 23 58 37.7

" 22 Ki eP 02 38 41

" 22 Um iPKP 06 27 08.8
 Ud iPKP 06 27 16.2
 Tonga Islands (h = 100 km).

" 22 Ud iP 08 35 44.4
 Peru (h = 60 km).

" 22 De iPKP 11 50 58.2
 Tonga Islands (h = 250 km).

" 22 Um iP 11 56 14.8

" 22 De iP 12 45 26.5
 Greece.

" 22 Ki iP 14 16 32.4
 Aegean Sea.

" 22 Up iP 22 25 33.2
 Ud iP 22 25 26.0

" 22 Up iPKP 22 58 22.3
 i 22 58 27.3
 i 22 58 30.6
 Sk iPKP 22 58 16.0
 Um iPKP 22 58 10.7
 Ud iPKP 22 58 24.2
 i 22 58 28.8
 i 22 58 32.8
 De iPKP 22 58 32.6
 i 22 58 37.7
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|--------------------------------|------------|------|----|---|--------------|
| Oct. | 22 | (cont.) | | Oct. | 24 | (cont.) | |
| | | De i | 22 58 45.7 | | | Sk eP | 06 58 17 |
| | | Kermadec Islands (h = 110 km). | | | | Ud iP | 06 57 48.7 |
| | | | | | | Greece. | |
| " | 22 | Ki ipP | 23 13 26.9 | " | 24 | Ki iP | 07 44 49.8 |
| | | Um eP | 23 13 33 | | | Mariana Islands (h = 15 km). | |
| | | Ud iP | 23 14 03.5 | | | | |
| | | ipP | 23 14 16.7 | | | | |
| | | Japan. h = 45 km (Ud). | | " | 24 | Ki eP | 18 22 29 |
| | | | | | | Ud iP | 18 22 09.8 |
| | | | | | | Iran. | |
| " | 22 | Ud iP | 23 25 33.8 | " | 24 | Um iP | 19 51 12.8 |
| | | i | 23 25 50.3 | | | | |
| " | 23 | Up i(pP) | 02 41 51.6 | " | 25 | Ki iP | 00 34 42.2 C |
| | | Ud iP | 02 41 50.6 | | | Ud iP | 00 35 34.8 |
| | | Japan (h = 40 km). | | | | Aleutian Islands (h = 5 km). | |
| " | 23 | Ud iP | 06 04 25.4 | " | 25 | Up iP | 01 13 12.6 |
| " | 23 | Ud iP | 06 31 15.7 | | | | micr sec |
| | | Japan (h = 130 km). | | | | P | Z' 0.1 1.0 |
| " | 23 | Ud iP | 08 32 24.8 | | | Ki iP | 01 12 28.7 |
| " | 23 | Ud iP | 10 01 34.4 | | | Sk iP | 01 12 43.5 |
| | | De iPP | 10 01 15.2 | | | Um iP | 01 12 50.0 |
| | | Aegean Sea (h = 20 km). | | | | i | 01 12 58.5 |
| | | | | | | iS | 01 22 02 |
| | | | | | | Ud iP | 01 13 05.1 |
| | | | | | | Off coast of Oregon (h = N). | |
| " | 24 | Up iP | 02 43 06.4 | " | 25 | Ud iP | 05 13 56.7 |
| | | | micr sec | " | 25 | Sk iP | 09 48 38.3 |
| | | P | Z' 0.1 0.9 | | | Um iP | 09 48 22.1 |
| | | Ki iP | 02 42 44.2 | | | De iP | 09 48 25.6 |
| | | Ud iP | 02 43 15.4 | | | Hindu Kush. | |
| | | Luzon (h = 150 km). | | | | Intermediate depth. | |
| " | 24 | Up Mx | 03 52 | " | 25 | Ud iP | 10 51 30.9 |
| | | | micr sec | | | Mexico (h = N). | |
| | | Mx | N 1.6 18 | | | | |
| | | Mx | Z 3.8 20 | " | 25 | Ud iPgl | 13 18 03.1 |
| | | Ki Mx | 03 43 | | | iSgl | 13 18 29.4 |
| | | | micr sec | | | De iSgl | 13 18 46.2 |
| | | Mx | E 1.6 17 | | | Coast of Bohuslän, Sweden, 58.5°N, 11.2°E. | |
| | | Mx | N 2.3 19 | | | Origin time = 13 17 28. | |
| | | Caroline Islands (h = 35 km). | | | | By combination with Kongsberg readings. | |
| | | M = 5.7 (Up,Ki). | | " | 25 | Up iP | 18 29 21.3 |
| " | 24 | Up iPKP | 04 49 42.1 | | | iS | 18 31 57.6 |
| | | Sk ePKP | 04 49 39 | | | iSS | 18 32 31.2 |
| | | Um iPKP | 04 49 32.1 | | | | micr sec |
| | | Ud iPKP | 04 49 44.2 | | | P | Z' 0.2 1.0 |
| " | 24 | Up iP | 06 57 42.6 | | | Mx | E 11 18 |
| | | | micr sec | | | (cont.) | |
| | | P | Z' 0.1 1.3 | | | | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Oct. 25 (cont.)

| | | | | |
|----|-----|----|-------|--------|
| Up | | | micr | sec |
| | Mx | N | 8.5 | 19 |
| | Mx | Z | 12 | 19 |
| Ki | iP | | 18 28 | 15.0 D |
| | iS | | 18 30 | 02.0 |
| | iSS | | 18 30 | 16.5 |
| | | | micr | sec |
| | P | Z' | 1.4 | 1.1 |
| | Mx | E | 13 | 15 |
| | Mx | N | 20 | 15 |
| | Mx | Z | 7.9 | 13 |
| Sk | iP | | 18 28 | 20.5 |
| | iS | | 18 30 | 12.8 |
| Um | iP | | 18 28 | 48.6 |
| | iS | | 18 30 | 58 |
| | iSS | | 18 31 | 19.1 |
| Ud | iP | | 18 29 | 05.2 |
| | iS | | 18 31 | 34.5 |
| De | iP | | 18 29 | 49.0 |

Jan Mayen (h = N).
m = 5.6, M = 5.2 (Up,Ki).

" 25 Up iP 21 59 55.0
iPP 22 00 14.5
iS 22 02 47.9

| | | | | |
|--|----|----|------|-----|
| | | | micr | sec |
| | P | Z' | 0.1 | 1.0 |
| | PP | Z' | 0.5 | 1.5 |
| | Mx | E | 0.9 | 5 |
| | Mx | N | 1.2 | 10 |
| | Mx | Z | 2.1 | 13 |

Ki iP 22 01 21.1

| | | | | |
|--|----|---|------|-----|
| | | | micr | sec |
| | Mx | N | 0.9 | 13 |

Sk iP 22 00 31.9
Um iP 22 00 43.2
Ud iP 21 59 51.2
De iP 21 59 05.5

Italy (h = N).
M = 4.5 (Up,Ki).

" 25 Ud iP 23 34 30.5
Japan (h = 60 km).

" 26 Ki iSgl 00 15 46.6
Sk iSgl 00 15 54.4
Um eSgl 00 16 22

Nordland, Norway,
66.7°N, 13.5°E.
Origin time = 00 14 15.

" 26 Up iP 03 34 40.4
ipP 03 34 47.9

| | | | | |
|--|----|----|------|-----|
| | | | micr | sec |
| | pP | Z' | 0.1 | 0.9 |

Ki i(pP) 03 36 07.5
(cont.)

1972

Oct. 26 (cont.)

| | | | |
|----|----|--|------------|
| Um | eP | | 03 35 17 |
| | i | | 03 35 27.5 |
| Ud | iP | | 03 34 47.2 |
| De | eP | | 03 34 10 |

Ionian Sea.
h = 30 km (Up).

" 26 Ki iP 13 14 52.6

| | | | | |
|--|---|----|------|-----|
| | | | micr | sec |
| | P | Z' | 0.1 | 1.0 |

Sumatra (h = 50 km).

" 26 Ki iP 14 14 27.8
Ud iP 14 14 38.4
India.

" 26 Ki iP 15 52 14.6
Sk iP 15 52 20.4
iS 15 54 10.5
Um e(P) 15 52 59
Ud eP 15 53 08
Jan Mayen.

" 26 Up iP 17 16 48.4
i 17 17 05.4

| | | | | |
|--|----|----|------|-----|
| | | | micr | sec |
| | P | Z' | 0.9 | 1.0 |
| | Mx | E | 2.7 | 18 |
| | Mx | N | 2.0 | 22 |
| | Mx | Z | 6.5 | 20 |

Ki iP 17 16 17.4
i 17 16 19.2
ipP 17 16 29.1

| | | | | |
|--|----|----|------|-----|
| | | | micr | sec |
| | P | Z' | 0.5 | 1.0 |
| | Mx | E | 1.8 | 18 |
| | Mx | N | 1.6 | 17 |
| | Mx | Z | 1.8 | 16 |

Sk iP 17 16 48.4
ipP 17 16 57.8
Um iP 17 16 30.5 D
Ud iP 17 16 57.3 D
ipP 17 17 06.9
De iP 17 17 08.4
ipP 17 17 21.2

Ryukyu Islands.
h = 40 km (Ki,Sk,Ud,De).
m = 6.7, M = 5.6 (Up,Ki).

" 26 Up iP 17 26 33.0
Ki iP 17 25 39.5
Um iP 17 26 03.5
Ud iP 17 26 34.6
Kamchatka (h = 140 km).

" 26 Ud iP 19 59 50.1
(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|---|--|------|----|--|--|
| Oct. | 26 | (cont.) Hindu Kush. Intermediate depth. | | Oct. | 27 | Ki iP Ud iP Alma-Ata (h = N). | 12 08 00.0 12 08 26.4 |
| " | 26 | Up ePKP iSKP PKP Z' Ki iPKP PKP Z' Sk iPKP Um iPKP Ud iPKP De iPKP iSKP New Hebrides Islands (h = 160 km). | 23 07 25 23 10 35.9 micr sec 0.1 1.1 23 07 10.5 micr sec 0.2 1.0 23 07 22.1 D 23 07 17.1 D 23 07 27.1 D 23 10 37.8 23 07 32.7 D 23 10 48.3 | " | 27 | Up iP i Um iP Rumania. " 27 Up iSgl Ud iSgl De iSgl " 27 Ki i(Sgl) Sk i(Sgl) " 27 Ki i(Sgl) Sk i(Sgl) " 27 Up iP Um iP Ud iP Japan (h = 55 km). " 27 Up iP Ud iP USSR-China. " 28 Up iP P Z' Mx E Mx N Mx Z Ki iP P Z' Mx E Mx N Mx Z Sk eP Um iP Ud iP Halmahera (h = 50 km). m = 6.2, M = 5.6 (Up,Ki). " 28 Ki iP Um eP Ud iP Halmahera (h = N). " 28 Up iPKP Mx E Mx N Mx Z | 12 55 25.3 12 55 39.7 12 56 06.5 14 17 29.4 14 16 51.5 14 18 16.0 16 05 22.4 16 05 26.6 18 07 07.7 18 07 10.3 18 22 37.7 18 22 13.3 18 22 42.9 20 53 53.5 20 54 09.5 01 14 53.0 micr sec 0.1 1.5 0.8 17 1.7 23 1.5 19 01 14 35.9 C micr sec 0.1 1.1 1.2 18 1.3 19 2.1 19 01 14 57 01 14 41.7 01 15 01.4 C 01 23 48.9 01 23 57 01 24 14.9 02 45 55.0 micr sec 2.7 20 3.6 20 4.6 20 |
| " | 27 | Ki e(Sgl) Sk e(Sgl) | 00 06 54 00 07 01 | " | 27 | Up iP Ud iP USSR-China. | 20 53 53.5 20 54 09.5 |
| " | 27 | Ud iP Tien-Shan. | 00 12 59.4 | " | 28 | Up iP P Z' Mx E Mx N Mx Z Ki iP P Z' Mx E Mx N Mx Z Sk eP Um iP Ud iP Halmahera (h = 50 km). m = 6.2, M = 5.6 (Up,Ki). | 01 14 53.0 micr sec 0.1 1.5 0.8 17 1.7 23 1.5 19 01 14 35.9 C micr sec 0.1 1.1 1.2 18 1.3 19 2.1 19 01 14 57 01 14 41.7 01 15 01.4 C 01 23 48.9 01 23 57 01 24 14.9 02 45 55.0 micr sec 2.7 20 3.6 20 4.6 20 |
| " | 27 | Up iPKP iSKP SKP Z' Mx E Mx N Mx Z Ki iPKP PKP Z' Mx E Mx N Mx Z Sk i(PKP) iPKP iSKP Um i(PKP) iPKP iSKP Ud i(PKP) iPKP De i(PKP) i(PKP) iPKP iSKP New Hebrides Islands (h = 40 km). M = 6.4 (Up,Ki). (PKP) denotes small- amplitude precursors. | 09 42 26.0 09 45 59.6 micr sec 0.1 0.9 3.6 21 4.3 20 8.0 21 09 42 11.6 micr sec 0.1 0.9 6.1 21 7.0 21 7.0 22 09 42 17.7 09 42 23.0 09 45 49.6 09 42 16.6 09 42 18.5 09 45 42.0 09 42 21.3 09 42 28.5 09 42 25.2 09 42 30.8 09 42 34.9 09 46 06.8 | " | 28 | Up iPKP Mx E Mx N Mx Z | 02 45 55.0 micr sec 2.7 20 3.6 20 4.6 20 |

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Oct. 28 (cont.)
 Ki iP 02 41 41.7
 iPKP 02 45 43.6
 iPP 02 46 22.1
 micr sec
 P Z' 0.1 1.2
 Mx E 5.5 20
 Mx N 4.8 19
 Mx Z 4.7 19
 Sk iPKP 02 45 54.9
 Um iPKP 02 45 48.8
 Ud iPKP 02 45 57.9
 De iPKP 02 46 02.6
 New Guinea (h = 2 km).
 M = 6.2 (Up,Ki).

" 28 Up iPKP 03 35 47.0
 iSKP 03 38 59.3
 micr sec
 PKP Z' 0.2 1.3
 SKP Z' 0.5 1.2
 Mx E 1.4 18
 Mx N 1.9 18
 Mx Z 2.7 20
 Ki iPKP 03 35 34.1
 i(SKIP) 03 39 00.7
 micr sec
 PKP Z' 0.2 1.0
 Mx E 1.5 18
 Mx N 2.3 18
 Mx Z 3.5 22
 Sk i(PKP) 03 35 35.8
 iPKP 03 35 44.8
 iSKP 03 38 56.0
 Um i(PKP) 03 35 30.8
 iPKP 03 35 40.0
 iSKP 03 38 52.2
 i 03 39 08.0
 Ud i(PKP) 03 35 41.0
 iPKP 03 35 50.6
 iSKP 03 39 06.0
 De i(PKP) 03 35 44.2
 iPKP 03 35 55.1
 iSKP 03 39 13.7
 New Hebrides Islands
 (h = 130 km).
 M = 6.0 (Up,Ki).
 M uncorrected for focal
 depth.
 (PKP) denotes small-
 amplitude precursors.

" 28 Up eP 03 48 14
 i 03 48 32.5
 micr sec
 P Z' 0.1 1.2
 (cont.)

1972

Oct. 28 (cont.)
 Um iP 03 48 18.6
 These phases may belong to
 the preceding event.
 " 28 Ud iPKP 07 50 42.3
 De ePKP 07 50 54
 " 28 Um i(P) 11 11 09.0
 " 28 Ud iP 12 08 14.5
 " 28 Ud iP 12 11 05.4
 Mindanao (h = 130 km).
 " 28 Ud iP 14 33 47.7
 " 28 Ki eP 17 32 57
 Ud iP 17 33 19.6
 Halmahera (h = 70 km).
 " 28 Up iP 18 05 52.5
 ipP 18 06 14.9
 micr sec
 P Z' 0.1 0.9
 Ki iP 18 05 16.1
 ipP 18 05 37.3
 Sk eP 18 05 48
 Um iP 18 05 32.0
 i 18 05 34.5
 ipP 18 05 53.0
 i 18 06 12.5
 Ud iP 18 05 59.9
 ipP 18 06 22.6
 De iP 18 06 13.8
 Japan.
 h = 80 km (Up,Ki,Um,Ud).
 " 28 Ki eP 18 44 34
 Ud iP 18 44 57.9
 Halmahera (h = 80 km).
 " 28 Um iP 23 18 48.2
 Ud iP 23 19 15.5
 Japan (h = 380 km).
 " 29 Ud iP 03 12 14.5
 " 29 Up iP 03 20 09.2
 Ki iP 03 20 43.6
 Ud iP 03 20 00.0
 Atlantic Ocean (h = N).
 " 29 Ki iP 04 37 24.8
 Ud eP 04 37 49
 Halmahera (h = 100 km).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|----|------|---------------------------------|------|----|----|--------|-------------------------------|
| Oct. | 29 | Ud | iPKP | 05 08 12.8 | Oct. | 29 | Up | iPKP | 18 00 59.4 C |
| | | De | iPKP | 05 08 23.9 | | | | | micr sec |
| " | 29 | Up | iP | 07 31 45.4 D | | | | PKP | Z' 0.1 1.0 |
| | | | ipP | 07 33 02.2 | | | Ki | iPKP | 18 00 38.6 |
| | | | iPP | 07 34 40.3 | | | Sk | iPKP | 18 00 53.0 C |
| | | | | micr sec | | | Um | iPKP | 18 00 48.2 C |
| | | | P | Z' 0.3 1.1 | | | | iSKP | 18 04 04.5 |
| | | | PP | Z' 0.1 1.0 | | | Ud | iPKP | 18 01 00.9 C |
| | | Ki | iP | 07 31 10.9 D | | | De | iPKP | 18 01 09.3 C |
| | | | ipP | 07 32 26.7 | | | | i | 18 01 19.1 |
| | | | iPP | 07 33 47.1 | | | | | Kermadec Islands (h = 60 km). |
| | | | | micr sec | " | 29 | Ud | iPKP | 18 05 24.4 |
| | | | P | Z' 0.2 1.0 | | | De | iPKP | 18 05 35.3 |
| | | | PP | Z' 0.1 1.2 | " | 29 | Ki | iPKP | 19 27 24.2 |
| | | Sk | iP | 07 31 41.8 D | | | | | South Sandwich Islands |
| | | | ipP | 07 32 59.1 | | | | | (h = 110 km). |
| | | | iPP | 07 34 31.2 | " | 30 | Up | iP | 01 56 59.5 |
| | | Um | iP | 07 31 25.5 D | | | Ud | iP | 01 57 15.7 |
| | | | ipP | 07 32 42.2 | | | De | iP | 01 57 11.9 |
| | | Ud | iP | 07 31 52.9 D | | | | | Hindu Kush. |
| | | | ipP | 07 33 10.0 | | | | | Intermediate depth. |
| | | De | iP | 07 32 05.9 D | " | 30 | Ud | iP | 02 01 10.8 |
| | | | ipP | 07 33 25.5 | | | De | iP | 02 01 11.7 C |
| | | | | Japan. | | | | | North Atlantic Ocean (h = N). |
| | | | | h = 340 km (Up,Ki,Sk,Um,Ud,De). | " | 30 | Ki | iPKP | 10 48 40.9 |
| | | | | m = 5.8 (Up,Ki). | | | Sk | iPKP | 10 48 52.3 |
| " | 29 | Up | iSgl | 08 05 52.9 | | | Um | iPKP | 10 48 48.0 |
| | | Ki | iPn | 08 01 43.4 | " | 30 | Ud | iPKP | 10 48 57.5 |
| | | | iSn | 08 02 40.5 | | | De | i(PKP) | 10 48 57.1 |
| | | | iSgl | 08 03 01.6 | | | | iPKP | 10 49 02.4 |
| | | Sk | eSgl | 08 05 27 | | | | | Loyalty Islands (h = 150 km). |
| | | Um | iS* | 08 03 50.3 | " | 30 | Um | iPP | 11 23 25.5 |
| | | | iSgl | 08 03 56.4 | | | | | Afghanistan. |
| | | Ud | iSgl | 08 06 27.8 | | | | | Intermediate depth. |
| | | | | Northwest USSR, | " | 30 | Up | iP | 14 37 02.0 D |
| | | | | 67.8°N, 33.6°E. | | | | iS | 14 40 58 |
| | | | | Origin time = 08 00 27. | | | | | micr sec |
| | | | | Explosion. | | | | P | Z' 0.4 1.0 |
| " | 29 | Up | iSgl | 12 26 03.6 | | | | Mx | E 1.3 12 |
| | | Ki | ePn | 12 21 56 | | | | Mx | N 3.4 13 |
| | | | iSn | 12 22 53.1 | | | | Mx | Z 6.0 13 |
| | | | eSgl | 12 23 12 | | | Ki | iP | 14 38 16.6 |
| | | | iSg2 | 12 23 21.9 | | | | | micr sec |
| | | Sk | eSgl | 12 25 43 | | | | P | Z' 0.1 1.4 |
| | | Um | iSgl | 12 24 08.5 | | | | Mx | E 1.4 14 |
| | | Ud | iSgl | 12 26 39.3 | | | | Mx | N 2.3 13 |
| | | | | Northwest USSR, | | | | Mx | Z 2.8 13 |
| | | | | 67.8°N, 33.6°E. | | | Sk | iP | 14 37 42.3 D |
| | | | | Origin time = 12 20 39. | | | Um | iP | 14 37 42.1 D |
| | | | | Explosion. | | | | | (cont.) |
| " | 29 | Ki | iP | 13 38 31.4 C | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | | |
|------|----|---------------------------|-------|------------|----|----------------------|------|--------------|------|--------------|
| Oct. | 30 | (cont.) | | Oct. | 31 | Ud | iPKP | 13 26 09.7 | | |
| | | Um | iS | | | De | iPKP | 13 26 20.3 | | |
| | | Ud | iP | | | " | 31 | Ud | iPKP | 17 59 40.0 C |
| | | | iS | | | De | iPKP | 17 59 51.4 | | |
| | | De | iP | | | " | 31 | Up | eP | 18 15 51 |
| | | Greece (h = N). | | | | Ud | iP | 18 15 58.0 | | |
| | | m = 5.7, M = 5.1 (Up,Ki). | | | | Greece. | | | | |
| " | 30 | Ki | iP | | | " | 31 | De | eP | 19 02 43 |
| | | | i | | | " | 31 | Up | eP | 21 39 14 |
| | | | i | | | Ki | eP | 21 39 17 | | |
| | | Sk | iP | | | Ud | iP | 21 39 26.9 | | |
| | | | iS | | | Kashmir (h = 70 km). | | | | |
| | | Um | iP | | | " | 31 | Up | iP | 23 37 23.7 |
| | | Ud | iP | | | Ki | iP | 23 37 22.1 C | | |
| | | Jan Mayen, 71°N, 4°W. | | | | | | micr sec | | |
| | | Origin time = 14 42 07. | | | | P | Z' | 0.1 0.8 | | |
| " | 30 | Up | iPKP | 17 06 50.8 | | Sk | eP | 23 37 37 | | |
| | | | iPKKP | 17 17 17.1 | | Um | iP | 23 37 20.1 C | | |
| | | | iPKKP | 17 17 26.0 | | | ipP | 23 37 35.9 | | |
| | | | | micr sec | | Ud | iP | 23 37 32.6 C | | |
| | | Mx | E | 1.1 19 | | | iPP | 23 41 26.9 | | |
| | | Mx | N | 2.1 20 | | De | iP | 23 37 31.0 C | | |
| | | Mx | Z | 3.0 20 | | Sunda Strait. | | | | |
| | | Ki | iPKP | 17 06 38.7 | | h = 60 km (Um). | | | | |
| | | | iPKKP | 17 17 33.9 | | | | | | |
| | | | | micr sec | | | | | | |
| | | Mx | E | 5.0 22 | | | | | | |
| | | Mx | N | 3.2 20 | | | | | | |
| | | Mx | Z | 2.9 22 | | | | | | |
| | | Sk | ePKP | 17 06 50 | | | | | | |
| | | Um | iPKP | 17 06 43.8 | | | | | | |
| | | | ipPKP | 17 06 57.9 | | | | | | |
| | | Ud | iPKP | 17 06 53.5 | | | | | | |
| | | | iPKKP | 17 17 11.3 | | | | | | |
| | | | iPKKP | 17 17 21.2 | | | | | | |
| | | De | iPKP | 17 06 58.8 | | | | | | |
| | | | ipPKP | 17 07 12.5 | | | | | | |
| | | Solomon Islands. | | | | | | | | |
| | | h = 50 km (Um,De). | | | | | | | | |
| | | M = 6.0 (Up,Ki). | | | | | | | | |
| " | 31 | Ud | iP | 06 27 00.5 | | | | | | |
| | | De | eP | 06 26 36 | | | | | | |
| " | 31 | Up | iP | 11 06 25.9 | | | | | | |
| | | Sk | iP | 11 07 06.9 | | | | | | |
| | | Ud | iP | 11 06 29.4 | | | | | | |
| | | | iPP | 11 06 55.1 | | | | | | |
| | | Greece. | | | | | | | | |
| " | 31 | Up | eP | 11 35 41 | | | | | | |
| | | Sk | eP | 11 36 21 | | | | | | |
| | | Ud | iP | 11 35 50.1 | | | | | | |
| | | Greece. | | | | | | | | |

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September 22, 1974

SEISMOLOGICAL INSTITUTE
BOX 517
S-751 20 UPPSALA
SWEDEN

SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, SKALSTUGAN, UMEÅ,

UDDEHOLM and DELARY

| | | | | |
|------------|-------|------------|------------|-----------|
| Uppsala | (Up): | 59°51.5'N, | 17°37.6'E; | h = 14 m |
| Kiruna | (Ki): | 67°50.4'N, | 20°25.0'E; | h = 390 m |
| Skalstugan | (Sk): | 63°34.8'N, | 12°16.8'E; | h = 580 m |
| Umeå | (Um): | 63°48.9'N, | 20°14.2'E; | h = 16 m |
| Uddeholm | (Ud): | 60°05.4'N, | 13°36.4'E; | h = 240 m |
| Delary | (De): | 56°28.2'N, | 13°52.2'E; | h = 150 m |

NOVEMBER 1 - 30, 1972
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| 1972 | | | | 1972 | | | | | |
|------|---|----|------|------------------------|------|---|----|------|-------------------------|
| Nov. | 1 | Ud | iPKP | 00 42 07.3 | Nov. | 1 | Ki | iPn | 11 04 01.6 |
| | | | | Solomon Islands | | | | iPg1 | 11 04 13.2 |
| | | | | (h = 40 km). | | | | iSn | 11 04 49.2 |
| " | 1 | Up | eP | 04 13 51 | | | | iS* | 11 05 02.4 |
| | | Ud | iP | 04 14 08.5 | | | Um | iSg1 | 11 06 33.4 |
| | | De | eP | 04 14 02 | | | | iSg2 | 11 06 45.3 |
| | | | | Uzbek SSR (h = 15 km). | | | | | Northwest Russia-Norway |
| " | 1 | Um | iP | 04 28 27.1 | | | | | border region, |
| | | | | Japan (h = 70 km). | | | | | 69.4°N, 30.8°E. |
| " | 1 | Ud | iP | 04 48 05.7 | " | 1 | Up | iSg1 | 12 17 04.6 |
| " | 1 | Ki | iP | 04 59 28.5 | | | | iSg2 | 12 17 11.4 |
| | | | i | 04 59 36.1 | | | Ki | eSg1 | 12 18 58 |
| | | Sk | iP | 04 59 47.6 | | | Sk | eSg1 | 12 18 44 |
| | | Um | iP | 05 00 10.1 | | | Um | iSg1 | 12 17 20.7 |
| | | Ud | iP | 05 00 33.5 | | | Ud | iSg1 | 12 18 04.8 |
| | | | | Jan Mayen (h = N). | | | De | eSg1 | 12 18 27 |
| " | 1 | Up | iP | 06 24 08.3 | | | | | Western USSR, |
| | | Ud | iP | 06 24 19.1 | | | | | 59.3°N, 28.2°E. |
| | | | | Greece. | | | | | Origin time = 12 14 15. |
| " | 1 | Um | iP | 06 33 39.7 | | | | | Explosion. |
| | | | | Japan (h = 50 km). | " | 1 | Ki | iPg1 | 12 42 41.7 |
| " | 1 | Um | ePKP | 06 49 00 | | | | iSn | 12 43 22.1 |
| | | Ud | iPKP | 06 49 03.8 | | | | iSg1 | 12 43 44.2 |
| | | De | iPKP | 06 49 11.3 | | | Um | iSg1 | 12 44 36.9 |
| | | | | Tonga Islands (h = N). | | | | | Northwest USSR. |
| " | 1 | Ki | i | 09 18 30.3 | | | | | Explosion. |
| | | | iSg1 | 09 18 39.7 | " | 1 | Up | iP | 14 34 08.2 C |
| " | 1 | Ud | i(P) | 10 31 26.5 | | | Ki | iP | 14 33 28.1 |
| | | | | | | | | | micr sec |
| | | | | | | | P | Z' | 0.1 1.0 |
| | | | | | | | Sk | eP | 14 34 01 |
| | | | | | | | Um | iP | 14 33 45.9 C |
| | | | | | | | | ipP | 14 34 02.7 |

(cont.)

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | | | | |
|------|---|---------------------------|----------|------------|------|---|---------------------------|--------------|------------|------------|
| Nov. | 2 | Up | iP | 17 18 43.7 | Nov. | 3 | Ki ePKP | 16 34 07 | | |
| | | Ki | iP | 17 18 22.5 | | | Ud i(PKP) | 16 34 06.8 | | |
| | | Um | iP | 17 18 29.9 | | | Loyalty Islands | | | |
| | | Ud | iP | 17 18 51.6 | | | (h = 25 km). | | | |
| | | Luzon (h = 70 km). | | | | " | 3 | Ki iP | 16 59 56.9 | |
| " | 2 | Up | iP | 20 11 47 | " | 4 | Up iP | 00 05 51.6 D | | |
| | | | i(PKP) | 20 14 30.0 | | | i | 00 06 26.9 | | |
| | | | iPKP | 20 14 41.9 | | | iPP | 00 07 29.6 | | |
| | | | iPP | 20 17 13 | | | i | 00 07 36.5 | | |
| | | | iSKP | 20 18 07.8 | | | | micr sec | | |
| | | | | micr sec | | | P | Z' 0.1 1.1 | | |
| | | | (PKP) Z' | 0.1 1.1 | | | PP | Z' 0.3 1.5 | | |
| | | | PKP Z' | 0.2 1.0 | | | Mx E | 6.0 14 | | |
| | | | SKP Z' | 0.3 1.0 | | | Mx N | 4.8 12 | | |
| | | | Mx E | 41 21 | | | Mx Z | 9.1 17 | | |
| | | | Mx N | 64 21 | | | Ki iP | 00 06 04.6 | | |
| | | | Mx Z | 110 21 | | | | micr sec | | |
| | | Ki | iP | 20 11 13 | | | P | Z' 0.1 1.0 | | |
| | | | i(PKP) | 20 14 22.6 | | | Mx E | 8.5 11 | | |
| | | | iPKP | 20 14 27.0 | | | Mx N | 7.1 10 | | |
| | | | i(PP) | 20 16 19 | | | Mx Z | 7.9 10 | | |
| | | | iSKP | 20 17 42.9 | | | Sk iP | 00 06 19.0 | | |
| | | | | micr sec | | | iPP | 00 08 04.6 | | |
| | | | PKP Z' | 0.5 1.0 | | | Um iP | 00 05 51.5 | | |
| | | | SKP Z' | 0.2 1.4 | | | iPP | 00 07 30.1 | | |
| | | | Mx E | 70 21 | | | i | 00 08 00.1 | | |
| | | | Mx N | 75 21 | | | Ud iP | 00 06 08.0 D | | |
| | | | Mx Z | 87 22 | | | ipP | 00 06 14.6 | | |
| | | Sk | e(PKP) | 20 14 29 | | | iPP | 00 07 58.9 | | |
| | | | iPKP | 20 14 37.7 | | | De iP | 00 06 05.0 | | |
| | | | iSKP | 20 18 02.9 | | | Afghanistan. | | | |
| | | Um | iP | 20 11 29 | | | h = 30 km (Ud). | | | |
| | | | i(PKP) | 20 14 24.9 | | | m = 5.7, M = 6.0 (Up,Ki). | | | |
| | | | iPKP | 20 14 33.0 | | | " | 4 | Ki e(P) | 00 12 16 |
| | | | iPP | 20 16 48 | | | Sk e(P) | 00 12 04 | | |
| | | | iSKP | 20 17 55.0 | | | Ud iPP | 00 15 50.7 | | |
| | | Ud | i(PKP) | 20 14 32.5 | | | Chile (h = 130 km). | | | |
| | | | iPKP | 20 14 44.9 | | | " | 4 | Ki eP | 01 44 53 |
| | | | iSKP | 20 18 10.4 | | | Sk i(pP) | 01 44 44.0 | | |
| | | De | i(PKP) | 20 14 40.0 | | | Ud iP | 01 44 31.7 | | |
| | | | iPKP | 20 14 48.2 | | | ipP | 01 44 43.6 | | |
| | | | iSKP | 20 18 18.9 | | | Leeward Islands. | | | |
| | | Loyalty Islands | | | | | h = 45 km (Ud). | | | |
| | | (h = 30 km). | | | | " | 4 | Ki iP | 01 49 52.5 | |
| | | M = 7.5 (Up,Ki). | | | | | Ud iP | 01 49 30.2 | | |
| " | 3 | Up | iSg1 | 13 40 29.2 | | | ipP | 01 49 44.3 | | |
| | | Um | iSg1 | 13 41 03.6 | | | Leeward Islands. | | | |
| | | Ud | eSg1 | 13 41 34 | | | h = 50 km (Ud). | | | |
| | | De | eSg1 | 13 41 54 | | | " | 4 | Ki iP | 01 49 52.5 |
| | | Esthonia, 59.5°N, 25.0°E. | | | | | Ud iP | 01 49 30.2 | | |
| | | Origin time = 13 38 30. | | | | | ipP | 01 49 44.3 | | |
| | | Explosion. | | | | | Leeward Islands. | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | | | | | |
|------|---|--------------------------------------|--------|------------|------|---|-----------------------------|--------|--------------|--------------|------------|
| Nov. | 4 | Up | ipPKP | 04 09 19.7 | Nov. | 4 | Up | iPKP | 10 05 46.5 | | |
| | | | iSKP | 04 12 41.7 | | | | iPKKP | 10 16 49.0 | | |
| | | | | micr sec | | | | | micr sec | | |
| | | | pPKP | Z' 0.1 1.1 | | | | PKP | Z' 0.1 1.4 | | |
| | | | Mx | E 4.1 21 | | | Ki | eP | 10 01 42 | | |
| | | | Mx | N 6.4 21 | | | | ePKP | 10 05 37 | | |
| | | | Mx | Z 11 22 | | | Um | i(PKP) | 10 05 34.5 | | |
| | | Ki | iPKP | 04 08 57.0 | | | | iPKP | 10 05 40.9 | | |
| | | | ipPKP | 04 09 08.4 | | | Ud | i(PKP) | 10 05 34.7 | | |
| | | | | micr sec | | | | iPKP | 10 05 50.5 | | |
| | | | PKP | Z' 0.2 1.2 | | | | iPKKP | 10 16 33.3 | | |
| | | | pPKP | Z' 0.2 1.0 | | | De | iPKP | 10 05 53.7 | | |
| | | | Mx | E 6.3 20 | | | New Guinea (h = 90 km). | | | | |
| | | | Mx | N 6.3 21 | | " | 4 | Up | iP | 10 49 21.1 | |
| | | | Mx | Z 7.1 20 | | | | i | 10 49 27.5 | | |
| | | Sk | iPKP | 04 09 08.0 | | | | i | 10 49 30.6 | | |
| | | | ipPKP | 04 09 19.0 | | | | | micr sec | | |
| | | Um | i(PKP) | 04 09 01.5 | | | | P | Z' 0.1 0.8 | | |
| | | | iPKP | 04 09 04.5 | | | Ki | iP | 10 49 14.8 | | |
| | | | ipPKP | 04 09 15.7 | | | Um | iP | 10 49 18.5 | | |
| | | | iSKP | 04 12 25.7 | | | Ud | iP | 10 49 29.6 | | |
| | | Ud | i(PKP) | 04 09 08.6 | | | | i | 10 49 39.1 | | |
| | | | iPKP | 04 09 13.6 | | | | | | | |
| | | | ipPKP | 04 09 23.7 | | | " | 4 | Up | iPKP | 11 26 06.3 |
| | | De | i(PKP) | 04 09 10.7 | | | | Ud | iPKP | 11 26 07.1 | |
| | | | iPKP | 04 09 18.5 | | | | De | iPKP | 11 26 17.9 | |
| | | | ipPKP | 04 09 29.4 | | | Fiji Islands (h = 550 km). | | | | |
| | | New Hebrides Islands. | | | | " | 4 | Ki | eP | 11 55 17 | |
| | | h = 40 km (Ki,Sk,Um,Ud,De). | | | | " | 4 | Um | iP | 11 56 16.5 | |
| | | M = 6.4 (Up,Ki). | | | | " | 4 | Up | iSg1 | 12 30 00.7 | |
| " | 4 | Up | iSg1 | 04 53 37.4 | | " | 4 | Um | iSg1 | 12 30 17.0 | |
| | | Ki | iSg1 | 04 51 31.1 | | | | Ud | iSg1 | 12 30 54.1 | |
| | | Sk | iSg1 | 04 51 37.1 | | | Western USSR. Explosion. | | | | |
| | | Um | iSn | 04 51 45.1 | | " | 4 | Um | i(Sg1) | 15 06 29.6 | |
| | | | iSg1 | 04 51 58.7 | | " | 4 | Um | iP | 16 52 17.1 | |
| | | Ud | iSg1 | 04 53 25.2 | | " | 4 | Up | iP | 21 49 30.9 C | |
| | | Nordland, Norway, 66.5°N, 14.0°E. | | | | | | | i(PP) | 21 52 53.2 | |
| | | Origin time = 04 50 02. | | | | | | | i | 21 53 19.3 | |
| | | Explosion? | | | | | | | iPP | 21 53 30.5 | |
| " | 4 | Ud | iP | 05 45 10.7 | | | | | micr sec | | |
| " | 4 | Up | iP | 09 40 03.5 | | | | P | Z' 0.1 0.8 | | |
| | | Ki | eP | 09 40 35 | | | | PP | Z' 0.3 1.3 | | |
| | | Sk | eP | 09 40 39 | | | Ki | iP | 21 49 24.7 C | | |
| | | | ipP | 09 40 46.9 | | | | i(PP) | 21 52 34.9 | | |
| | | Um | iP | 09 40 15.0 | | | | iPP | 21 53 20.4 | | |
| | | | ipP | 09 40 24.5 | | | | iSKS | 21 59 47.5 | | |
| | | Ud | iP | 09 40 19.4 | | | (cont.) | | | | |
| | | | ipP | 09 40 29.6 | | | | | | | |
| | | De | iP | 09 40 05.3 | | | | | | | |
| | | | ipP | 09 40 15.3 | | | | | | | |
| | | Iran. | | | | | | | | | |
| | | h = 45 km (Um,Ud,De). | | | | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|--------|---------|---|--------|--------|---------|---|-------|
| Date | Time | Station | Phase | Date | Time | Station | Phase |
| Nov. 5 | (cont.) | Ki | iPKKP | Nov. 6 | (cont.) | Um | iSg1 |
| | | Sk | ePP | | | Northwest Russia-Norway border region, 69.6°N, 30.1°E. Origin time = 12 21 18. Explosion. | |
| | | Um | iPKP | | | | |
| | | Ud | iPP | " | 6 | Up | iP |
| | | | iPKKP | | | Ud | iP |
| | | De | iPKP | | | Kurile Islands (h = 50 km). | |
| | | New Guinea (h = 230 km). | | " | 6 | Up | iP |
| " | 5 | Ki | iPKP | | | Ud | iP |
| | | Sk | iPKP | | | Greece. | |
| | | Um | e(PKP) | " | 6 | Up | iP |
| | | Loyalty Islands (h = 25 km). | | | | Ud | iP |
| " | 6 | Ki | eP | | | i 20 33 45.6 | |
| " | 6 | Ki | iSn | " | 7 | Um | i(P) |
| | | | iSg1 | | | 20 33 35.0 | |
| | | Um | iSg1 | " | 7 | Um | i(P) |
| | | Northwest USSR. Explosion. | | | | i 20 33 41.6 | |
| " | 6 | Up | iP | " | 7 | Ud | iP |
| | | Ki | iP | | | 06 05 28.1 | |
| | | Sk | iP | " | 7 | Up | iP |
| | | | i | | | 06 52 27.3 | |
| | | Um | iP | | | i 06 52 44.2 | |
| | | Ud | ipP | | | micr sec | |
| | | De | iP | | | P Z' 0.1 0.9 | |
| | | Sikkim. h = 35 km (Um,Ud). | | | | Ki | eP |
| " | 6 | Up | iP | | | 06 52 04 | |
| | | | P | | | Um | ipP |
| | | Ki | iP | | | 06 52 08.6 | |
| | | | P | | | Um | iP |
| | | Sk | iP | | | 06 52 12.7 | |
| | | Um | iP | | | i 06 52 36.8 | |
| | | Ud | ipP | | | Ud | iP |
| | | De | iP | | | 06 52 37.3 | |
| | | Japan. h = 70 km (Um). m = 5.8 (Up,Ki). | | | | i 06 52 53.5 | |
| " | 6 | Up | iP | " | 7 | Formosa (h = 20 km). | |
| | | | P | | | 07 57 21.6 | |
| | | Ki | iP | " | 7 | Um | i(P) |
| | | | P | | | 07 57 21.6 | |
| | | Sk | iP | " | 7 | Ud | iP |
| | | Um | iP | | | 09 34 28.4 | |
| | | Ud | ipP | | | Celebes Sea (h = 310 km). | |
| | | De | iP | " | 7 | Ud | iP |
| | | Japan. h = 70 km (Um). m = 5.8 (Up,Ki). | | | | 11 11 02.8 | |
| " | 6 | Ki | iPn | " | 7 | Up | iP |
| | | | iPg1 | | | Ki | iP |
| | | | iSn | | | 12 11 53.4 | |
| | | (cont.) | | | | 12 12 01.6 | |
| | | | | | | micr sec | |
| | | | | | | P Z' 0.1 1.2 | |
| | | | | | | Sk | iP |
| | | | | | | Um | iP |
| | | | | | | Ud | iP |
| | | | | | | De | iP |
| | | | | | | 12 11 44.5 | |
| | | | | | | North Atlantic Ocean (h = N). | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|------|---|----|------|---|------|---|--|
| Nov. | 7 | Ki | iPn | 12 20 00.4 | Nov. | 8 | (cont.) |
| | | | iPg1 | 12 20 08.9 | | | Ud iPn 09 17 12.4 |
| | | | iSn | 12 20 46.8 | | | iPg1 09 17 14.8 |
| | | | iSg1 | 12 21 04.4 | | | iSn 09 17 40.9 |
| | | Um | iSn | 12 21 58.7 | | | iSg1 09 17 44.6 |
| | | | iSg1 | 12 22 33.9 | | | De iPg1 09 17 21.7 |
| | | | | | | | iSg1 09 17 57.5 |
| | | | | | | | i 09 18 05.8 |
| | | | | | | | Off coast of Bohuslän, Sweden, 58.5°N, 10.8°E. Origin time = 09 16 36. Explosion. |
| " | 7 | Up | iP | 13 49 14.2 | " | 8 | Ud iPg1 09 38 49.9 |
| | | | | micr sec | | | iSg1 09 39 22.6 |
| | | | P | Z' 0.1 0.9 | | | Off coast of Bohuslän, Sweden. Explosion. |
| | | Ki | iP | 13 48 40.8 | | | |
| | | | iPP | 13 51 28.2 | | | |
| | | | | micr sec | | | |
| | | | P | Z' 0.1 1.0 | | | |
| | | | PP | Z' 0.1 1.4 | " | 8 | Up iSn 09 40 12.8 |
| | | Sk | iP | 13 49 10.2 | | | iSg1 09 40 26.2 |
| | | | iPP | 13 52 11.5 | | | Ud iPg1 09 39 07.4 |
| | | Um | iP | 13 48 54.5 | | | iSn 09 39 33.7 |
| | | | ipP | 13 49 42.0 | | | iSg1 09 39 37.5 |
| | | Ud | iP | 13 49 20.4 | | | De iPg1 09 39 10.3 |
| | | | ipP | 13 50 09.8 | | | iSg1 09 39 42.2 |
| | | De | iP | 13 49 33.1 | | | i 09 39 46.6 |
| | | | | | | | Off coast of Bohuslän, Sweden, 58.3°N, 11.1°E. Origin time = 09 38 28. Explosion. |
| | | | | Bonin Islands. h = 200 km (Um,Ud). m = 5.6 (Up,Ki). | | | |
| " | 7 | Um | iP | 15 20 14.6 | " | 8 | Ud iP 11 22 48.4 |
| | | Ud | iP | 15 20 34.4 | " | 8 | Up iP 14 37 31.7 |
| | | De | eP | 15 20 32 | | | micr sec |
| | | | | Kashmir. | | | P Z' 0.1 1.0 |
| " | 7 | Up | iP | 18 34 21.1 | | | Mx E 2.7 16 |
| | | Ki | iP | 18 34 19.7 | | | Mx N 2.5 20 |
| | | Um | iP | 18 34 17.4 | | | Ki iP 14 37 07.1 |
| | | Ud | iP | 18 34 30.4 | | | i 14 37 21.9 |
| | | | | Sunda Strait (h = 90 km). | | | micr sec |
| " | 7 | Ud | iP | 22 47 06.8 | | | P Z' 0.1 1.4 |
| | | De | iP | 22 46 29.0 | | | Sk i(pP) 14 37 41.8 |
| | | | | Crete (h = 15 km). | | | Um iP 14 37 15.6 |
| " | 8 | Ud | iP | 00 58 13.6 | | | Ud iP 14 37 41.7 |
| | | | | Aleutian Islands (h = 40 km). | | | Formosa (h = 25 km). m = 5.8 (Up,Ki). |
| " | 8 | Um | iP | 01 17 25.5 | " | 8 | Ud iP 20 04 25.4 |
| | | Ud | iP | 01 17 51.9 | " | 8 | Ud iP 21 06 45.2 |
| " | 8 | Up | iSg1 | 09 18 35.9 | " | 9 | Um iP 02 06 06.8 |
| | | | | (cont.) | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | | | | |
|------|---|--------------------------------------|--------|--------------|------|----------------------------|---------|--------------|--------------|-------|
| Nov. | 9 | Ud | iPKP | 03 07 22.9 | Nov. | 9 | Up | iP | 16 49 58.8 | |
| | | De | iPKP | 03 07 33.9 | | | Um | iP | 16 50 39.9 | |
| | | Fiji Islands (h = 540 km). | | | | Ud | iP | 16 50 06.1 | | |
| | | | | | | | i | 16 50 10.5 | | |
| " | 9 | Ud | iP | 07 24 46.3 | | | Greece. | | | |
| " | 9 | Ki | iSKP | 08 29 40.2 | " | 9 | Up | iP | 18 53 02.4 | |
| | | | | micr sec | | | | | micr sec | |
| | | | SKP | Z' 0.1 1.2 | | | P | Z' | 0.2 1.0 | |
| | | De | iPKP | 08 27 28.6 D | | | Mx | E | 17 17 | |
| | | Fiji Islands (h = 620 km). | | | | | Mx | N | 20 20 | |
| " | 9 | Up | iPKP | 08 27 55.0 | | | | Mx | Z | 27 17 |
| | | | iSKP | 08 30 42.0 | | Ki | iP | 18 52 38.8 | | |
| | | | | micr sec | | | | | micr sec | |
| | | | PKP | Z' 0.1 0.9 | | | P | Z' | 0.2 1.3 | |
| | | | SKP | Z' 0.5 1.1 | | | Mx | E | 23 12 | |
| | | Ki | i(PKP) | 08 27 37.6 | | | Mx | N | 18 13 | |
| | | | iPKP | 08 27 47.5 | | | Mx | Z | 21 12 | |
| | | | iSKP | 08 30 19.2 | | Sk | e(pP) | 18 53 12 | | |
| | | | | micr sec | | Um | iP | 18 52 41.5 | | |
| | | | PKP | Z' 0.1 0.6 | | Ud | iP | 18 53 10.0 | | |
| | | | SKP | Z' 1.7 1.5 | | De | iP | 18 53 21.0 | | |
| | | Sk | i(PKP) | 08 27 47.6 | | Formosa (h = N). | | | | |
| | | | iSKP | 08 30 36.1 | | m = 6.1, M = 6.7 (Up,Ki). | | | | |
| | | Um | i(PKP) | 08 27 43.4 | " | 9 | Ud | iP | 21 16 25.1 C | |
| | | | iPKP | 08 27 49.6 | " | 9 | Um | iP | 23 52 14.8 | |
| | | | iSKP | 08 30 31.1 | | Kurile Islands. | | | | |
| | | Ud | iPKP | 08 27 56.7 D | " | 10 | Um | iPKP | 00 41 58.8 | |
| | | | iSKP | 08 30 44.2 | | | De | iPKP | 00 42 15.6 | |
| | | De | iPKP | 08 28 08.0 D | | Fiji Islands (h = 520 km). | | | | |
| | | | iSKP | 08 30 52.8 | " | 10 | Up | i(P) | 01 15 18.2 | |
| | | Fiji Islands (h = 610 km). | | | " | 10 | Um | iP | 04 52 56.3 | |
| " | 9 | Sk | iP | 11 51 39.7 | | | Ud | eP | 04 52 59 | |
| | | Ud | iP | 11 51 14.9 | | Iran (h = N). | | | | |
| | | Tyrrhenian Sea. Deep. | | | " | 10 | Up | iP | 04 55 18.6 | |
| " | 9 | Ki | ePKP | 15 58 36 | | | Sk | eP | 04 55 43 | |
| | | New Hebrides Islands (h = 60 km). | | | | | Um | iP | 04 55 20.7 | |
| " | 9 | Up | iSg1 | 16 40 28.6 | | | Ud | iP | 04 55 37.4 | |
| | | Ki | iPg1 | 16 37 46.5 | | Afghanistan. | | | | |
| | | | iSg1 | 16 38 23.0 | " | 10 | Up | iP | 07 51 43.6 C | |
| | | Sk | iSg1 | 16 38 26.5 | | | iPcP | 07 52 08.8 | | |
| | | | i | 16 38 29.8 | | | | | micr sec | |
| | | Um | iPg1 | 16 38 01.0 | | | P | Z' | 0.3 1.0 | |
| | | | iSn | 16 38 35.0 | | Ki | iP | 07 50 57.7 C | | |
| | | | iSg1 | 16 38 48.9 | | | | | micr sec | |
| | | Ud | iSg1 | 16 40 16.2 | | | P | Z' | 0.5 1.0 | |
| | | Nordland, Norway, 66.4°N, 14.6°E. | | | | Sk | iP | 07 51 33.7 | | |
| | | Origin time = 16 36 58. | | | | | iPP | 07 53 54.0 | | |
| | | Explosion. | | | | (cont.) | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|---|--------|--------------|---------|--|----------|--------------|
| Nov. 10 | (cont.) | | | Nov. 12 | Ki | iP | 02 56 00.4 |
| | Um | iP | 07 51 18.5 C | | Ud | iP | 02 56 50.8 |
| | Ud | iP | 07 51 49.8 C | | Kamchatka (h = 40 km). | | |
| | De | iP | 07 52 07.8 C | " 12 | Ud | iP | 04 19 39.4 |
| | Kurile Islands (h = 120 km). m = 6.3 (Up,Ki). | | | | | ipP | 04 19 53.1 |
| " 10 | Up | iP | 08 39 23.1 | | Japan. h = 50 km (Ud). | | |
| | | iPcP | 08 40 01.9 | " 12 | Ki | iP | 09 50 25.3 |
| | | | micr sec | | Ud | iP | 09 51 17.6 C |
| | P | Z' | 0.1 1.0 | | De | iP | 09 51 41.0 |
| | Ki | iP | 08 38 30.4 | | Aleutian Islands (h = 45 km). | | |
| | Sk | iP | 08 39 06.8 | " 12 | Up | iP | 18 04 23.1 D |
| | Um | iP | 08 38 56.3 | | | ipP | 18 04 54.4 |
| | | iPcP | 08 39 45.9 | | | iPP | 18 05 59.2 |
| | Ud | iP | 08 39 27.7 | | | iS | 18 10 23 |
| | | iPcP | 08 40 04.9 | | | iSn | 18 12 50.8 |
| | De | iP | 08 39 48.1 | | | | micr sec |
| | | iPcP | 08 40 18.0 | | P | Z' | 0.6 1.0 |
| | Kamchatka (h = 110 km). | | | | PP | Z' | 3.2 1.7 |
| " 10 | Um | i(PKP) | 21 12 30.9 | | Mx | E | 4.8 15 |
| | Ud | i(PKP) | 21 12 43.1 | | Mx | N | 8.1 9 |
| " 11 | Up | iP | 01 16 38.5 | | Mx | Z | 9.5 12 |
| " 11 | Up | iP | 01 57 24.9 C | Ki | iP | | 18 04 27.5 D |
| | | | micr sec | | ipP | | 18 04 57.2 |
| | P | Z' | 0.1 0.8 | | iPP | | 18 06 07 |
| | Ki | iP | 01 57 17.2 | | | micr sec | |
| | | | micr sec | | P | Z' | 1.5 0.9 |
| | P | Z' | 0.1 0.8 | | Mx | E | 12 10 |
| | Sk | iP | 01 57 40.0 C | | Mx | N | 13 10 |
| | Um | iP | 01 57 16.6 C | | Mx | Z | 11 9 |
| | Ud | iP | 01 57 37.7 C | Sk | iP | | 18 04 47.4 D |
| | Burma (h = 140 km). m = 5.8 (Up,Ki). | | | | ipP | | 18 05 19.1 |
| " 11 | Ud | iP | 15 53 11.1 | | iPP | | 18 06 28.6 |
| | Alaska (h = 140 km). | | | | iSn | | 18 14 05.8 |
| " 11 | Up | iP | 22 52 16.5 | Um | iP | | 18 04 19.3 D |
| | Sk | iP | 22 51 57.5 | | ipP | | 18 04 49.3 |
| | Ud | iP | 22 52 18.5 D | | iPP | | 18 05 50 |
| " 11 | Ud | iP | 23 24 40.6 | Ud | iP | | 18 04 39.9 D |
| " 12 | Ud | iP | 01 51 15.7 | | ipP | | 18 05 09.1 |
| | Hindu Kush. Intermediate depth. | | | De | iP | | 18 04 38.4 D |
| " 12 | Ki | iP | 02 38 55.5 | | Tadzhik-Sinkiang. h = 150 km (Up,Ki,Sk,Um,Ud). m = 6.5, M = 6.1 (Up,Ki). Well developed higher-mode surface waves. | | |
| | Ud | iP | 02 39 30.7 | " 12 | Ki | iP | 18 59 22.9 |
| | Mariana Islands (h = 35 km). | | | | Ud | iP | 18 59 34.7 |
| | | | | | Tadzhik-Sinkiang. | | |
| | | | | " 12 | Ud | iP | 20 33 06.7 |
| | | | | | Crete. | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|----------------------------|------|--------------|--------------------------|-----------------------------|-----|------------|
| Nov. 13 | Up | iP | 04 56 32.2 | Nov. 13 | (cont.) | | |
| | | ipP | 04 56 47.1 | | Bonin Islands (h = 370 km). | | |
| | | iS | 05 07 08 | | m = 6.5 (Up,Ki). | | |
| | | | micr sec | | | | |
| | | P | Z' 0.1 1.1 | " 13 | Ud | iP | 09 28 55.8 |
| | | pP | Z' 0.1 1.0 | | | | |
| | | Mx | E 33 25 | " 13 | Up | eP | 09 36 29 |
| | | Mx | N 23 25 | | Ki | iP | 09 35 35.2 |
| | | Mx | Z 69 23 | | | ipP | 09 36 10.0 |
| | Ki | iP | 04 56 22.0 | | Um | iP | 09 36 02.2 |
| | | iS | 05 06 47 | | | ipP | 09 36 38.4 |
| | | | micr sec | | Ud | iP | 09 36 27.8 |
| | | P | Z' 0.9 2.3 | | | ipP | 09 37 02.2 |
| | | Mx | E 75 25 | | De | iP | 09 36 50.5 |
| | | Mx | N 49 24 | | Aleutian Islands. | | |
| | | Mx | Z 66 25 | | h = 140 km (Ki,Um,Ud). | | |
| | Sk | iP | 04 56 12.1 | " 13 | Ud | iP | 14 06 39.7 |
| | | ipP | 04 56 29.7 | | | | |
| | Um | iP | 04 56 32.3 | " 13 | Ud | iP | 19 20 58.2 |
| | Ud | iP | 04 56 28.9 | | | | |
| | | i | 04 56 35.0 | " 13 | Ki | iP | 20 32 07.7 |
| | | ipP | 04 56 43.1 | | Ud | iP | 20 32 35.7 |
| | De | iP | 04 56 31.8 | | Mindanao. | | |
| | | ipP | 04 56 49.2 | " 13 | Um | iP | 23 26 46.1 |
| | Mexico. | | | | Ud | eP | 23 27 07 |
| | h = 60 km (Up,Sk,Ud,De). | | | | (Andaman Islands). | | |
| | m = 6.2, M = 6.9 (Up,Ki). | | | " 13 | Ki | eP | 23 37 44 |
| " 13 | Ud | iP | 06 27 16.9 | " 13 | Up | eP | 23 45 46 |
| " 13 | Up | iPKP | 06 54 48.4 | | | i | 23 45 52.2 |
| | Ud | iPKP | 06 54 50.5 | | | | micr sec |
| | De | iPKP | 06 55 02.1 | | P | Z' | 0.1 0.9 |
| | Fiji Islands (h = 600 km). | | | | Mx | E | 1.4 15 |
| " 13 | Up | iP | 08 23 21.3 D | | Mx | N | 1.8 15 |
| | | iPP | 08 26 31.4 | | Mx | Z | 2.4 15 |
| | | | micr sec | Ki | iP | | 23 45 39.9 |
| | | P | Z' 1.2 0.7 | | i | | 23 45 48.5 |
| | | PP | Z' 0.4 1.3 | | iS | | 23 55 04 |
| | Ki | iP | 08 22 49.3 D | | | | micr sec |
| | | iPP | 08 25 39.7 | | Mx | E | 4.1 21 |
| | | | micr sec | | Mx | N | 5.9 21 |
| | | P | Z' 1.0 0.8 | | Mx | Z | 3.1 21 |
| | | PP | Z' 0.2 1.2 | Sk | eP | | 23 45 59 |
| | Sk | iP | 08 23 18.2 D | | i | | 23 46 04.5 |
| | | iPP | 08 26 23.7 | Um | iP | | 23 45 35.3 |
| | Um | iP | 08 23 03.2 D | | e | | 23 45 44 |
| | Ud | iP | 08 23 28.4 D | | iS | | 23 54 59 |
| | | iPP | 08 26 41.3 | Ud | iP | | 23 45 53.3 |
| | | iS | 08 33 08.1 | | i | | 23 46 00.9 |
| | De | iP | 08 23 40.3 D | De | iP | | 23 45 55.9 |
| | | i | 08 26 26.2 | Andaman Islands (h = N). | | | |
| | | iPP | 08 27 01.3 | M = 5.8 (Up,Ki). | | | |
| | (cont.) | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|----|----|---|---------|----|----|--|
| Nov. 14 | Ki | iP | 01 22 46.8 | Nov. 15 | Ud | iP | 08 22 46.8 |
| " | 14 | Up | iP 04 35 13.3 iS 04 37 48.5 micr sec P Z' 0.1 0.9 Mx E 6.1 17 Mx N 6.4 18 Mx Z 6.9 19 | " | 15 | De | i(P) 11 06 00.8 |
| | | Ki | iP 04 34 06.7 iS 04 36 00.4 micr sec P Z' 0.3 0.8 Mx E 8.9 16 Mx N 10 15 Mx Z 7.1 15 | " | 15 | Ud | iSg1 13 29 44.2 South Norway. By combination with Kongsberg readings. |
| | | Sk | iP 04 34 12.6 iS 04 36 04.8 | " | 15 | Ki | i(P) 15 50 13.4 |
| | | Um | iP 04 34 40.9 iS 04 36 57.5 | " | 15 | Up | micr sec Mx E 1.3 23 Mx N 1.3 23 Mx Z 2.8 23 |
| | | Ud | iP 04 34 56.1 iS 04 37 26.2 | | | Ki | iPKP 16 38 53.7 micr sec Mx E 2.9 21 Mx N 1.8 20 Mx Z 2.4 20 |
| | | De | iP 04 35 48.4 Jan Mayen (h = N). m = 5.2, M = 5.0 (Up,Ki). | | | Sk | iPKP 16 39 02.3 South of Australia (h = N). M = 6.1 (Up,Ki). |
| " | 14 | Ud | iP 05 37 31.8 | " | 15 | Ud | iP 19 34 16.7 |
| " | 14 | Ki | iP 11 38 14.6 Ud iP 11 39 05.9 Unimak Island (h = 50 km). | " | 15 | Up | iPKP 23 55 16.5 Ud iPKP 23 55 18.9 |
| " | 14 | Ud | iP 11 48 49.9 C | " | 16 | Ki | eP 11 34 33 Ud iP 11 34 55.4 Burma. |
| " | 14 | Um | i(P) 15 06 56.4 | " | 16 | Ud | iP 12 06 07.2 Hindu Kush. Intermediate depth. |
| " | 14 | Ki | iPKP 16 43 56.8 Sk ePKP 16 44 08 Um iPKP 16 44 03.6 Ud e(pPKP) 16 44 53 De ePKP 16 44 20 New Hebrides Islands (h = 120 km). | " | 16 | Up | iP 12 50 38.1 C ipP 12 51 04.4 isP 12 51 17.9 iPP 12 52 15.0 iPcP 12 52 29.7 micr sec P Z' 0.4 0.8 |
| " | 14 | Ud | iP 17 10 59.6 Aleutian Islands (h = 40 km). | | | Ki | iP 12 50 48.5 C ipP 12 51 15.8 iPP 12 52 31.5 micr sec P Z' 0.4 1.4 |
| " | 15 | Up | iP 00 51 02.3 Tadzhik SSR. | | | Sk | iP 12 51 04.7 C ipP 12 51 31.7 |
| " | 15 | Ud | i(P) 05 57 03.4 | | | | |
| " | 15 | Ud | iP 06 02 33.7 | | | | |

(cont.)

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|------------------------|--------|------------|---------|-------------------------|------|------------|
| Nov. 17 | Up | iP | 15 08 01.4 | Nov. 18 | (cont.) | | |
| | | ipP | 15 08 55.5 | | Ki | iP | 08 40 53.1 |
| | | | micr sec | | | | micr sec |
| | | P | Z' 0.1 1.3 | | | P | Z' 0.1 0.9 |
| | | pP | Z' 0.2 1.6 | | Sk | iP | 08 41 30.6 |
| | Ki | ipP | 15 08 46.3 | | Um | iP | 08 41 17.6 |
| | | | micr sec | | Ud | eP | 08 41 54 |
| | | pP | Z' 0.1 1.0 | | De | iP | 08 42 19.8 |
| | Sk | eP | 15 07 45 | | Kamchatka (h = N). | | |
| | | ipP | 15 08 40.2 | | m = 5.9 (Up,Ki). | | |
| | Um | iP | 15 08 06.1 | " 18 | Up | iSg1 | 08 55 36.4 |
| | | ipP | 15 08 55.8 | | Ki | iPg1 | 08 52 50.3 |
| | Ud | ipP | 15 08 48.7 | | | iSn | 08 53 21.0 |
| | De | ipP | 15 08 56.9 | | | | micr sec |
| | Mexico-Guatemala. | | | | | Sn | Z' 0.1 0.5 |
| | h = 220 km (Up,Sk,Um). | | | | Sk | iS* | 08 53 36.3 |
| | m = 5.6 (Up,Ki). | | | | | iSg1 | 08 53 39.5 |
| " 17 | Up | eP | 16 51 56 | | Um | iPn | 08 53 03.7 |
| | Ki | eP | 16 51 03 | | | iPg1 | 08 53 09.1 |
| | Ud | eP | 16 51 52 | | | iSg1 | 08 54 01.5 |
| | Alaska (h = N). | | | | Ud | eSg1 | 08 55 22 |
| " 17 | Up | iP | 17 31 09.6 | | Nordland, Norway, | | |
| | | ipP | 17 31 18.4 | | 66.6°N, 13.8°E. | | |
| | Ki | iP | 17 30 19.6 | | Origin time = 08 52 00. | | |
| | | ipP | 17 30 26.7 | " 18 | Ki | iPn | 12 20 56.6 |
| | Ud | iP | 17 31 10.5 | | | iSn | 12 21 45.0 |
| | | ipP | 17 31 19.6 | | | iSg1 | 12 22 01.7 |
| | De | iP | 17 31 31.4 | | Northwest USSR-Norway | | |
| | Aleutian Islands. | | | | border region. | | |
| | h = 30 km (Up,Ki,Ud). | | | | Origin time = 12 19 53. | | |
| " 17 | Up | iPKP | 19 03 56.7 | | Explosion. | | |
| | Sk | i(PKP) | 19 04 01.1 | " 18 | Ud | eP | 18 04 59 |
| | Um | iPKP | 19 03 41.0 | " 18 | Um | iP | 23 05 55.7 |
| | | i | 19 03 45.4 | | Ud | iP | 23 06 25.6 |
| | | iSKP | 19 06 25.4 | | Japan (h = 140 km). | | |
| | Ud | iPKP | 19 03 57.9 | " 19 | Ud | i(P) | 00 10 01.5 |
| " 17 | Up | iPKP2 | 19 11 24.0 | " 19 | Ud | iP | 02 10 04.2 |
| | Um | iPKP1 | 19 11 03.7 | " 19 | Ud | iSg1 | 02 50 36.6 |
| | | iPKP2 | 19 11 08.0 | " 19 | Ki | eP | 04 47 52 |
| | Ud | iPKP1 | 19 11 16.0 | | | ipP | 04 48 17.6 |
| | | iPKP2 | 19 11 26.8 | | Um | iP | 04 47 58.9 |
| " 18 | Um | iP | 00 36 50.2 | | | ipP | 04 48 24.7 |
| " 18 | Ud | iP | 03 20 13.9 | | Ud | iP | 04 47 50.8 |
| " 18 | Ud | iP | 08 39 39.0 | | | ipP | 04 48 16.1 |
| " 18 | Up | iP | 08 41 46.8 | | De | iP | 04 47 58.0 |
| | | | micr sec | | El Salvador. | | |
| | | P | Z' 0.1 1.1 | | h = 100 km (Ki,Um,Ud). | | |
| | (cont.) | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | | | | |
|------|----|----|------|---------------------------|------|----|---------|------|---------------------------|---------|
| Nov. | 19 | Ud | i(P) | 05 49 28.4 | Nov. | 19 | (cont.) | | | |
| " | 19 | Um | iP | 07 51 54.5 | | | Sk | iP | 20 14 51.2 | |
| | | | | Indian Ocean (h = N). | | | | i | 20 14 59.3 | |
| " | 19 | Ki | iP | 08 31 05.7 | | | Um | iP | 20 14 56.7 D | |
| | | Ud | iP | 08 31 30.5 | | | Ud | iP | 20 15 31.6 D | |
| | | | | Mindanao (h = 140 km). | | | | i | 20 15 38.6 | |
| " | 19 | Ud | iP | 09 28 07.6 | | | De | iP | 20 16 10.0 D | |
| | | De | eP | 09 27 31 | | | | i | 20 16 15.3 | |
| | | | | | | | | | Greenland Sea (h = N). | |
| | | | | | | | | | m = 6.1, M = 4.9 (Up,Ki). | |
| " | 19 | Up | iPKP | 10 57 08.6 | " | 19 | Ki | eP | 20 48 24 | |
| | | | i | 10 57 12.3 | | | Um | iP | 20 48 21.4 | |
| | | Ki | iPKP | 10 56 51.8 | | | Ud | iP | 20 48 32.5 | |
| | | Sk | ePKP | 10 57 02 | | | | | Sumatra (h = N). | |
| | | Um | iPKP | 10 56 56.5 | " | 20 | Ud | eP | 01 10 05 | |
| | | | i | 10 57 01.3 | | | | | | |
| | | Ud | iPKP | 10 57 10.4 | " | 20 | Up | eP | 03 35 07 | |
| | | De | iPKP | 10 57 18.7 | | | | i | 03 35 09.1 | |
| | | | | Kermadec Islands | | | Ki | eP | 03 36 23 | |
| | | | | (h = 80 km). | | | Sk | iP | 03 35 52.2 | |
| " | 19 | Up | iP | 17 41 14.3 | | | Um | iP | 03 35 46.0 | |
| | | | | micr sec | | | Ud | iP | 03 35 14.2 | |
| | | P | Z' | 0.2 1.4 | | | De | iP | 03 34 39.1 | |
| | | Mx | E | 2.6 22 | | | | | Greece (h = N). | |
| | | Mx | N | 4.2 16 | " | 20 | Up | iP | 03 41 33.2 | |
| | | Mx | Z | 5.3 16 | | | Ki | eP | 03 42 10 | |
| | | Ki | iP | 17 40 13.1 | | | Ud | iP | 03 41 49.1 | |
| | | | | micr sec | | | | | | |
| | | P | Z' | 0.2 1.5 | " | 20 | Up | iP | 09 24 39.5 | |
| | | Mx | E | 2.2 15 | | | Ki | iP | 09 24 11.8 | |
| | | Mx | N | 1.7 15 | | | | | micr sec | |
| | | Mx | Z | 3.3 15 | | | | P | Z' | 0.1 1.0 |
| | | Um | iP | 17 40 44.7 | | | Um | iP | 09 24 23.7 | |
| | | Ud | iP | 17 41 06.0 | | | Ud | iP | 09 24 46.7 | |
| | | | | Queen Elizabeth Islands | | | | | Mariana Islands | |
| | | | | (h = N). | | | | | (h = 130 km). | |
| | | | | m = 5.7, M = 5.2 (Up,Ki). | " | 20 | Ud | i(P) | 09 56 47.7 | |
| " | 19 | Up | iP | 20 15 37.3 D | " | 20 | Sk | iSg1 | 10 30 15.7 | |
| | | | i | 20 15 43.5 | | | Ud | iPg1 | 10 29 27.5 | |
| | | | | micr sec | | | | iSg1 | 10 30 13.0 | |
| | | P | Z' | 1.6 1.9 | | | De | iSg1 | 10 31 23.0 | |
| | | Mx | E | 2.7 18 | | | | | Southern Norway, | |
| | | Mx | N | 5.0 20 | | | | | 61.1°N, 7.4°E. | |
| | | Mx | Z | 6.1 18 | | | | | Origin time = 10 28 28. | |
| | | Ki | iP | 20 14 06.8 D | | | | | By combination with | |
| | | | iS | 20 16 46 | | | | | Kongsberg readings. | |
| | | | | micr sec | " | 20 | Up | iPKP | 13 26 01.1 | |
| | | P | Z' | 3.5 1.6 | | | | i | 13 26 07.1 | |
| | | Mx | E | 3.3 15 | | | | | (cont.) | |
| | | Mx | N | 6.0 20 | | | | | | |
| | | Mx | Z | 6.4 19 | | | | | | |
| | | | | (cont.) | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|----------------------------|-------|--------------|---------|-----------------------------|------|--------------|
| Nov. 20 | (cont.) | | | Nov. 21 | (cont.) | | |
| | Up | | micr sec | | Ki | | micr sec |
| | PKP | Z' | 0.1 1.0 | | Mx | N | 6.7 18 |
| | Ki | iPKP | 13 25 49.4 | | Mx | Z | 10 18 |
| | Um | iPKP | 13 25 56.7 | | Solomon Islands | | |
| | Ud | iPKP | 13 26 02.3 C | | (h = 35 km). | | |
| | | ipPKP | 13 26 44.3 | | M = 6.4 (Up,Ki). | | |
| | De | iPKP | 13 26 12.9 C | " 21 | Um | iP | 05 47 04.8 |
| | | ipPKP | 13 26 54.9 | | Ud | iP | 05 47 30.0 |
| | Tonga-Kermadec Islands. | | | | Volcano Islands | | |
| | h = 160 km (Ud,De). | | | | (h = 150 km). | | |
| " 20 | Ud | i(P) | 14 29 54.4 | " 21 | Up | | micr sec |
| " 20 | Up | iPKP | 14 40 11.0 | | Mx | E | 2.7 18 |
| | Sk | iPKP | 14 40 12.9 | | Mx | N | 5.7 17 |
| | Um | iPKP | 14 40 19.0 | | Mx | Z | 9.1 17 |
| | Ud | iPKP | 14 40 09.4 | | Ki | iP | 10 12 55.8 |
| | South Sandwich Islands | | | | | | micr sec |
| | (h = N). | | | | Mx | E | 3.3 15 |
| " 21 | Ud | iPKP | 01 42 01.1 | | Mx | N | 2.6 14 |
| | Fiji Islands (h = 560 km). | | | | Mx | Z | 3.3 13 |
| " 21 | Ud | iP | 02 45 21.7 | | Ud | iP | 10 13 51.9 |
| | Albania. | | | | Queen Elizabeth Islands | | |
| " 21 | Up | eP | 02 59 04 | | (h = N). | | |
| | | | micr sec | | M = 5.4 (Up,Ki). | | |
| | P | Z' | 0.4 1.5 | " 21 | Um | iSg1 | 14 40 33.3 |
| | Mx | E | 6.1 21 | | Esthonia. | | |
| | Mx | N | 9.7 20 | | Explosion. | | |
| | Mx | Z | 6.4 16 | " 21 | Up | iP | 17 12 39.3 C |
| | Ki | iP | 02 58 40.6 | | ipP | | 17 12 50.0 |
| | | | micr sec | | | | micr sec |
| | P | Z' | 0.1 1.0 | | P | Z' | 0.4 1.0 |
| | Mx | E | 8.1 11 | | Ki | iP | 17 11 45.5 C |
| | Mx | N | 6.0 16 | | ipP | | 17 11 55.7 |
| | Mx | Z | 10 11 | | | | micr sec |
| | Sk | eP | 02 59 08 | | P | Z' | 0.2 0.9 |
| | Um | iP | 02 58 47.4 | | Mx | N | 1.5 18 |
| | Ud | iP | 02 59 12.3 | | Sk | iP | 17 12 19.5 C |
| | | ipP | 02 59 17.2 | | ipP | | 17 12 30.0 |
| | Formosa. | | | | i | | 17 13 10.0 |
| | h = 15 km (Ud). | | | | Um | iP | 17 12 11.7 C |
| | m = 6.1, M = 6.2 (Up,Ki). | | | | ipP | | 17 12 22.2 |
| " 21 | Up | Mx | 05 13 | | Ud | iP | 17 12 41.1 C |
| | | | micr sec | | ipP | | 17 12 51.8 |
| | Mx | E | 5.1 18 | | De | iP | 17 13 03.0 C |
| | Mx | N | 5.4 18 | | Aleutian Islands. | | |
| | Mx | Z | 8.5 18 | | h = 40 km (Up,Ki,Sk,Um,Ud). | | |
| | Ki | Mx | 05 12 | | m = 6.4 (Up,Ki). | | |
| | | | micr sec | " 21 | Ki | iSg1 | 17 37 31.8 |
| | Mx | E | 8.4 19 | | Sk | iS* | 17 37 35.4 |
| (cont.) | | | | | | iSg1 | 17 37 39.0 |
| | | | | (cont.) | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|-----------------|---|---|-------------------|---|------|-----------------------------|-----------------|
| Nov. 21 (cont.) | | | | Nov. 22 (cont.) | | | |
| | Um | iSn | 17 37 46.4 | Ki | i | 11 34 37.1 | |
| | | iSg1 | 17 37 59.3 | | iS | 11 36 00.7 | |
| | Nordland, Norway, 66.5°N, 14.1°E. Origin time = 17 36 04. Explosion. | | | | iRg | 11 37 16.2 | |
| | | | | | i | 11 37 40.4 | |
| | | | | | iTPg | 11 39 31.5 | |
| | | | | | iTSg | 11 40 05.5 | |
| | | | | | | micr sec | |
| " | 21 | Sk | iPKP 19 16 57.5 | | Mx | E 0.7 10 | |
| | | Ud | iPKP 19 17 06.8 | | Mx | N 0.4 10 | |
| | | | | Sk | iP | 11 35 10.5 | |
| " | 21 | Sk | iPg1 21 12 11.1 | | iS | 11 36 55.5 | |
| | | | eS* 21 12 54 | Um | iP | 11 35 29.6 | |
| | | | iSg1 21 12 58.1 | | iS | 11 37 32.0 | |
| | | Ud | iPg1 21 12 11.1 | | iRg | 11 39 39.1 | |
| | | | iSg1 21 12 56.2 | | iTPg | 11 40 10.2 | |
| | | Southern Norway, 61.2°N, 7.3°E. Origin time = 21 11 11. By combination with Kongsberg readings. | | | iTSg | 11 42 10.0 | |
| | | | | Ud | iP | 11 36 05.8 | |
| | | | | Norwegian Sea. Origin time = 11 32 52. | | | |
| " | 22 | Ud | ePKP 02 31 38 | " | 22 | Um | iP 12 37 16.3 |
| | | Solomon Islands (h = 180 km). | | " | 22 | Ki | i(P) 12 42 05.6 |
| " | 22 | Ki | iP 03 09 53.2 | " | 22 | Up | ePKP 14 10 20 |
| | | | | | | | micr sec |
| " | 22 | Ki | iP 07 10 52.9 | | | Mx | E 1.0 21 |
| | | Afghanistan. | | | | Mx | N 0.9 21 |
| | | | | | | Mx | Z 2.4 22 |
| " | 22 | Ud | iP 07 19 14.9 | Ki | iPKP | 14 10 03.9 | |
| | | | | | | micr sec | |
| " | 22 | Sk | iP 08 47 35.8 | | PKP | Z' 0.1 1.0 | |
| " | 22 | Um | iPKP1 09 19 18.1 | Sk | iPKP | 14 10 14.9 | |
| | | Ud | iPKP1 09 19 30.5 | Um | iPKP | 14 10 10.1 | |
| | | | iPKP2 09 19 43.5 | Ud | iPKP | 14 10 20.7 | |
| | | South of Kermadec Islands (h = 20 km). | | | iSKP | 14 13 48.6 | |
| | | | | De | iPKP | 14 10 27.9 | |
| | | | | | iSKP | 14 13 57.4 | |
| | | | | New Hebrides Islands (h = 45 km). | | | |
| " | 22 | De | i(Sg1) 10 27 40.3 | " | 22 | Ki | i(P) 14 30 47.4 |
| | | | iRg 10 27 44.2 | " | 22 | Ki | e(P) 15 39 46 |
| | | | i 10 27 53.1 | | | i | 15 40 16.7 |
| " | 22 | Ki | e(P) 10 49 08 | " | 22 | Up | iSg1 15 54 00.6 |
| | | | i 10 49 32.2 | | | Sk | eSg1 15 55 48 |
| " | 22 | Ki | iP 10 58 08.0 | | | Um | iSg1 15 54 22.9 |
| | | Sk | iP 10 57 53.2 | | | Ud | iSg1 15 55 02.5 |
| | | Um | eP 10 58 09 | | | | i 15 55 09.9 |
| | | Ud | iP 10 57 52.6 | | | Western USSR. Explosion. | |
| | | Colombia (h = 40 km). | | " | 22 | Ki | i(P) 16 09 13.3 |
| " | 22 | Ki | iP 11 34 33.0 | | | | |
| | | (cont.) | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|---------------------------------------|-------|--------------|---------|--|-------|--------------|
| Nov. 22 | Ki | iPKP | 18 12 49.2 | Nov. 23 | (cont.) | | |
| | Ud | iPKP | 18 13 05.6 | | Sk | ePKP2 | 15 22 04 |
| | Tonga Islands (h = 55 km). | | | | Um | iPKP2 | 15 21 58.5 |
| " 22 | Up | iP | 18 14 06.6 D | | Ud | iPKP2 | 15 22 11.5 |
| | Ki | iP | 18 14 04.9 D | | South of Kermadec Islands (h = 5 km). | | |
| | Sk | iP | 18 14 28.5 | " 24 | Ki | iPKP | 00 21 23.3 |
| | Um | iP | 18 13 58.9 D | | Um | iPKP | 00 21 29.9 C |
| | Ud | iP | 18 14 19.8 | | Ud | iPKP | 00 21 38.0 |
| | Kashmir (h = N). | | | | New Hebrides Islands (h = 200 km). | | |
| " 22 | Up | iP | 21 15 51.4 | " 24 | Sk | i(P) | 01 30 49.9 |
| | Sk | iP | 21 16 06.6 | | Um | iP | 01 30 38.5 |
| | Um | iP | 21 15 43.0 | | Ud | iP | 01 30 11.8 |
| | Ud | iP | 21 16 04.5 | | Greece. | | |
| " 22 | Um | iP | 22 28 13.8 | " 24 | Up | iP | 01 40 16.8 |
| | Ud | iP | 22 28 34.4 | | Sk | iP | 01 40 52.1 |
| | Afghanistan-USSR. | | | | Um | eP | 01 40 49 |
| " 23 | Up | iP | 01 17 52.3 | | Ud | iP | 01 40 21.4 |
| | Ki | iP | 01 18 30.3 | | | i | 01 40 32.7 |
| | Sk | iP | 01 17 56.9 | | De | eP | 01 39 50 |
| | Um | iP | 01 18 10.8 | | Greece (h = N). | | |
| | Ud | iP | 01 17 39.4 | " 24 | Up | ePKP | 02 08 33 |
| | North of Ascension Island (h = N). | | | | Um | iPKP | 02 08 17.1 C |
| " 23 | Ud | eP | 03 15 55 | | Ud | iPKP | 02 08 30.8 |
| " 23 | Sk | iP | 07 24 36.8 | " 24 | Up | iP | 03 53 13.5 C |
| " 23 | Ki | ePKP | 08 26 28 | | | ipP | 03 53 17.7 |
| | Sk | ePKP | 08 26 42 | | | | micr sec |
| | Loyalty Islands (h = N). | | | | P | Z' | 0.5 0.8 |
| " 23 | Ki | iPg1 | 08 46 21.3 | | pP | Z' | 0.3 0.8 |
| | | iSg1 | 08 46 58.0 | | Mx | E | 1.7 15 |
| | Off north coast of Norway. | | | | Mx | N | 1.4 13 |
| " 23 | Ki | iP | 13 44 54.8 | | Mx | Z | 2.4 12 |
| | Ud | iP | 13 45 03.9 | Ki | iP | | 03 54 29.5 C |
| | Tadzhik SSR (h = 170 km). | | | | | ipP | 03 54 33.9 |
| " 23 | Up | iPKP2 | 15 12 22.7 | | | | micr sec |
| | Ki | ePKP1 | 15 11 51 | | P | Z' | 0.1 1.0 |
| | Sk | ePKP1 | 15 11 55 | | Mx | E | 2.0 13 |
| | | iPKP2 | 15 12 11.1 | | Mx | N | 1.2 12 |
| | Um | iPKP1 | 15 11 52.7 | | Mx | Z | 1.1 10 |
| | Ud | ePKP1 | 15 12 05 | Sk | i(P) | | 03 53 54.9 C |
| | | iPKP2 | 15 12 25.8 | | iP | | 03 53 56.1 C |
| | South of Kermadec Islands (h = N). | | | | ipP | | 03 54 00.5 |
| " 23 | Up | iPKP2 | 15 22 09.7 | Um | i(P) | | 03 53 52.7 |
| | (cont.) | | | | iP | | 03 53 53.8 |
| | | | | | ipP | | 03 53 58.6 |
| | | | | | i | | 03 54 02.4 |
| | | | | | iS | | 03 58 12 |
| | | | | Ud | iP | | 03 53 19.8 C |
| | | | | | ipP | | 03 53 25.8 |
| | | | | | (cont.) | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|--|------|--------------|---------|-------------------------|------|--------------|
| Nov. 24 | (cont.) | | | Nov. 24 | De | i(P) | 12 52 16.9 |
| | De | iP | 03 52 41.8 | | | | |
| | | i | 03 52 50.8 | " 24 | Up | iP | 13 30 14.8 |
| | Greece-Albania. | | | | | i | 13 30 22.8 |
| | h = 20 km (Up,Ki,Sk,Um,Ud). | | | | | ipP | 13 30 28.0 |
| | m = 5.7, M = 4.9 (Up,Ki). | | | | | iS | 13 39 15 |
| | (P) denotes a small-amplitude precursor. | | | | | | micr sec |
| " 24 | Ud | iP | 05 44 51.2 | | | P | Z' 0.1 0.8 |
| | | | | | | pP | Z' 0.1 0.7 |
| " 24 | Up | iP | 09 04 36.4 | | | Mx | E 1.0 18 |
| | | i | 09 04 39.7 | | | Mx | N 2.9 23 |
| | | | micr sec | | | Mx | Z 2.4 18 |
| | | P | Z' 0.1 0.7 | | Ki | iP | 13 30 21.6 C |
| | Ki | iP | 09 04 53.4 | | | ipP | 13 30 35.1 |
| | Sk | iP | 09 05 11.3 | | | iS | 13 39 29 |
| | Um | iP | 09 04 34.0 | | | | micr sec |
| | | i | 09 04 38.0 | | | pP | Z' 0.1 0.9 |
| | | i(S) | 09 08 14.5 | | | Mx | E 2.2 17 |
| | Ud | iP | 09 04 58.4 C | | | Mx | N 2.6 18 |
| | De | iP | 09 04 56.5 | | | Mx | Z 1.9 18 |
| | North of the Caspian Sea. | | | | Sk | iP | 13 30 35.0 C |
| | Underground explosion? | | | | | ipP | 13 30 48.8 |
| " 24 | Ud | iP | 09 48 22.9 | | Um | iP | 13 30 14.4 C |
| " 24 | Up | iP | 10 05 40.9 C | | | i | 13 30 20.9 |
| | | iPn | 10 05 53.1 | | | ipP | 13 30 28.4 |
| | | | micr sec | | | iS | 13 39 16 |
| | | P | Z' 0.1 0.7 | | Ud | iP | 13 30 27.3 C |
| | | Pn | Z' 0.1 0.7 | | | ipP | 13 30 41.4 |
| | Ki | iP | 10 05 37.0 C | | De | iP | 13 30 22.7 |
| | | | micr sec | | | ipP | 13 30 36.7 |
| | | P | Z' 0.1 1.0 | | Bay of Bengal. | | |
| | Sk | iPn | 10 06 25.7 C | " 24 | Ud | i(P) | 13 56 42.0 |
| | Um | iP | 10 05 30.9 | | | | |
| | | iPn | 10 05 52.4 | " 24 | Sk | iPP | 15 14 38.7 |
| | Ud | iP | 10 05 58.0 C | | Ud | i | 15 13 38.1 |
| | De | iP | 10 06 02.4 C | | Banda Sea (h = 510 km). | | |
| | | iPn | 10 06 24.4 | " 24 | Ud | iP | 19 25 31.1 |
| | Northeast of the Caspian Sea. | | | | | i | 19 25 32.9 |
| | m = 5.6 (Up,Ki). | | | " 24 | Ud | iP | 19 56 21.4 |
| | Underground explosion. | | | | | i | 19 56 23.4 |
| " 24 | Up | iSg1 | 11 17 35.9 | " 24 | Ud | iP | 21 12 05.9 |
| | Um | iSg1 | 11 18 09.0 | | | | |
| | Ud | iSg1 | 11 18 38.2 | " 24 | Ud | iP | 23 08 40 |
| | De | eSg1 | 11 19 03 | | | Ud | iP |
| | | i | 11 19 09.1 | " 24 | Ki | eP | 23 09 07.8 |
| | Esthonia, 59.5°N, 25.0°E. | | | | | Ud | iP |
| | Origin time = 11 15 33. | | | | Luzon (h = 60 km). | | |
| | Explosion. | | | " 24 | Ud | iP | 23 49 07.0 |
| " 24 | Sk | iP | 12 51 07.6 | | | | |
| | Ud | iP | 12 51 09.5 | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|----|--|------------|---------|----|---|--------------|
| Nov. 25 | Up | ePKP1 | 01 51 02 | Nov. 25 | Up | iP | 13 21 01.5 |
| | Um | iPKP1 | 01 50 49.1 | | Ud | iP | 13 21 08.7 |
| | Ud | iPKP1 | 01 51 02.5 | | | Greece. | |
| | | iPKP2 | 01 51 10.0 | | | | |
| | | South of Kermadec Islands (h = N). | | " 25 | Up | iP | 13 51 28.3 |
| " 25 | Up | eP | 03 15 06 | | Ki | iP | 13 50 39.6 |
| | | | micr sec | | | | micr sec |
| | | P | Z' 0.1 1.2 | | | P | Z' 0.1 1.0 |
| | | Mx | E 0.9 19 | | | Mx | E 0.9 13 |
| | | Mx | Z 2.6 21 | | | Mx | N 0.9 13 |
| | Ki | iP | 03 14 53.9 | | Sk | iP | 13 51 21.0 |
| | | | micr sec | | Um | iP | 13 50 59.7 |
| | | Mx | E 1.5 20 | | Ud | iP | 13 51 37.2 |
| | | Mx | N 1.0 16 | | De | iP | 13 51 56.2 |
| | | Mx | Z 1.4 17 | | | Eastern Siberia (h = N). | |
| | Sk | iP | 03 14 48.3 | " 25 | Up | iP | 15 25 38.7 |
| | | i | 03 15 00.8 | | Sk | eP | 15 26 22 |
| | Um | iP | 03 15 02.9 | | Um | iP | 15 26 22.4 |
| | | iS | 03 25 29 | | Ud | iP | 15 25 44.6 C |
| | Ud | i | 03 15 06.9 | | De | iP | 15 25 14.6 |
| | | Mexico (h = N). | | | | Greece (h = N). | |
| | | M = 5.4 (Up,Ki). | | " 25 | Up | ePKP1 | 16 13 46 |
| " 25 | Ud | iP | 08 51 47.1 | | | iPKP2 | 16 13 55.5 |
| " 25 | Ki | iPg1 | 09 39 10.5 | | Sk | ePKP1 | 16 13 41 |
| | | iSg1 | 09 39 20.3 | | Um | iPKP1 | 16 13 35.4 |
| | | iRg | 09 39 26.3 | | | iPKP2 | 16 13 46.9 |
| | Um | iSg1 | 09 40 38.9 | | Ud | iPKP1 | 16 13 49.6 |
| | | Lapland, Sweden. | | | | iPKP2 | 16 13 57.7 |
| | | Origin time = 09 38 59. | | | | South of Kermadec Islands (h = 30 km). | |
| | | Ore mine explosion at MalMBERGET? | | " 25 | Um | iPKP | 19 04 06.4 |
| " 25 | Ki | iPn | 11 15 05.9 | | Ud | iPKP | 19 04 16.6 |
| | | iSn | 11 15 53.9 | | De | ePKP | 19 04 23 |
| | Um | iSg1 | 11 17 34.9 | | | New Hebrides Islands (h = 140 km). | |
| | | Northwest USSR-Norway border region, 69.1°N, 31.3°E. | | " 25 | Up | iPKP1 | 20 00 40.1 |
| | | Origin time = 11 14 02. | | | Ki | ePKP1 | 20 00 24 |
| | | Explosion. | | | Sk | iPKP1 | 20 00 34.5 |
| " 25 | Ki | iPn | 11 15 23.2 | | Um | iPKP1 | 20 00 30.3 |
| | | iSn | 11 16 12.3 | | | i(PKP2) | 20 00 40.0 |
| | | iSg1 | 11 16 28.3 | | Ud | iPKP1 | 20 00 41.1 |
| | Um | iSg1 | 11 17 50.1 | | | South of Kermadec Islands (h = N). | |
| | | Northwest USSR-Norway border region, 69.1°N, 31.3°E. | | " 25 | Up | iP | 20 08 12.7 C |
| | | Origin time = 11 14 18. | | | | i | 20 08 16.1 |
| | | Explosion. | | | | iS | 20 12 13 |
| | | | | | | | micr sec |
| | | | | | | P | Z' 0.1 1.0 |
| | | | | | | i | Z' 0.6 1.5 |

(cont.)

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | | 1972 | | | | | |
|-----------------|---------------------------------|-------|-------|--------------|-----------------|---|---|------------|--------------|--|
| Nov. 25 (cont.) | | | | | Nov. 26 (cont.) | | | | | |
| | Up | | micr | sec | | De | iSKP | 04 44 05.6 | | |
| | Mx | E | 0.7 | 10 | | Tonga-Kermadec Islands. h = 630 km (De). | | | | |
| | Mx | N | 2.2 | 18 | | | | | | |
| | Mx | Z | 2.7 | 20 | | | | | | |
| | Ki | iP | 20 06 | 43.2 C | " | 26 | Up | iSg1 | 05 21 15.5 | |
| | | iS | 20 09 | 22 | | | Ki | eSn | 05 17 58 | |
| | | | micr | sec | | | | iSg1 | 05 18 19.8 | |
| | P | Z' | 1.5 | 1.5 | | | Sk | eSg1 | 05 20 52 | |
| | Mx | E | 1.7 | 13 | | | Um | iSg1 | 05 19 08.1 | |
| | Mx | N | 1.2 | 12 | | | Ud | iSg1 | 05 21 47.1 | |
| | Mx | Z | 1.2 | 12 | | | Northwest USSR. Explosion. | | | |
| | Sk | iP | 20 07 | 28.8 | | | | | | |
| | Um | iP | 20 07 | 33.2 C | | | | | | |
| | Ud | iP | 20 08 | 08.4 C | " | 26 | Ud | iP | 06 09 08.4 | |
| | De | iP | 20 08 | 44.8 C | | | Ryukyu Islands (h = 45 km). | | | |
| | Greenland Sea (h = N). | | | | | | | | | |
| | m = 5.6, M = 4.6 (Up,Ki). | | | | " | 26 | Ki | iSn | 06 43 26.4 | |
| | | | | | | | | iSg1 | 06 43 51.8 | |
| " | 25 | Up | eP | 22 51 00 | | | Um | i | 06 44 26.5 | |
| | | Ki | eP | 22 51 39 | | | | iSg1 | 06 44 43.3 | |
| | | Sk | iP | 22 51 39.3 | | | Northwest USSR. Explosion. | | | |
| | | Um | iP | 22 51 14.0 | | | | | | |
| | | Ud | iP | 22 51 14.8 | | | | | | |
| | | De | iP | 22 50 58.5 | " | 26 | Ki | i | 07 59 03.4 | |
| | Iran (h = 40 km). | | | | | | | i(Sg1) | 07 59 31.5 | |
| | | | | | | | Um | i(Sg1) | 07 58 49.6 | |
| " | 26 | Ki | iP | 01 02 35.0 | | | | i | 07 58 57.5 | |
| | Sunda Strait (h = 20 km). | | | | " | 26 | Up | iP | 08 03 20.3 C | |
| " | 26 | Ki | i | 01 49 03.3 | | | | micr | sec | |
| | | Ud | eP | 01 49 02 | | | P | Z' | 0.1 1.5 | |
| | Molucca Passage (h = 55 km). | | | | | | Ki | iP | 08 03 09.2 C | |
| " | 26 | Ud | i(P) | 01 50 26.2 | | | Sk | eP | 08 03 27 C | |
| | | | | | | | Um | iP | 08 03 10.8 C | |
| " | 26 | Up | iPKP | 04 41 07.9 | | | Ud | iP | 08 03 28.5 C | |
| | | | iSKP | 04 43 55.3 | | | | i | 08 03 29.5 | |
| | | | micr | sec | | | De | iP | 08 03 34.8 C | |
| | Ki | SKP | Z' | 0.1 1.0 | " | 26 | Up | iP | 08 08 34.3 | |
| | | ePKP | | 04 40 49 | | | | ipP | 08 08 41.9 | |
| | | iSKP | | 04 43 32.5 | | | Ki | eP | 08 09 01 | |
| | | micr | sec | | | | Sk | epP | 08 08 32 | |
| | Sk | SKP | Z' | 0.2 1.3 | | | Um | iP | 08 08 52.4 | |
| | | ePKP | | 04 41 09 | | | Ud | eP | 08 08 18 | |
| | | iSKP | | 04 43 48.4 | | | | ipP | 08 08 25.3 | |
| | Um | iPKP | | 04 41 02.6 | | | De | eP | 08 08 20 | |
| | | iSKP | | 04 43 44.1 | | | North Atlantic Ocean. h = 25 km (Up,Ud). | | | |
| | Ud | iPKP | | 04 41 09.3 | | | | | | |
| | | iSKP | | 04 43 57.1 | | | | | | |
| | De | iPKP | | 04 41 20.4 C | " | 26 | Up | iSg1 | 08 13 04.7 | |
| | | i | | 04 41 33.9 | | | Ki | iSn | 08 09 45.6 | |
| | | ipPKP | | 04 43 38.3 | | | | iSg1 | 08 10 08.7 | |
| | (cont.) | | | | | | (cont.) | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|--|----------------------------------|--------|--------------|---------------------------------------|------|------------|--------------|
| Nov. 26 | (cont.) | | | Nov. 26 | Up | iP1 | 16 07 09.4 |
| | Sk | iSg1 | 08 12 41.2 | | | iP2 | 16 07 12.1 D |
| | Um | iSg1 | 08 11 01.3 | | | ipP2 | 16 07 19.7 |
| | Ud | eSg1 | 08 13 38 | | | | micr sec |
| | Northwest USSR. Explosion. | | | | | P2 | Z' 0.2 1.2 |
| | | | | | | pP2 | Z' 0.2 1.3 |
| " 26 | Up | eP | 08 26 38 | | | Mx | E 1.9 10 |
| | Ud | iP | 08 26 46.1 | | | Mx | N 1.1 13 |
| | Greece. | | | Ki | eP1 | | 16 08 36 |
| | | | | | iP2 | | 16 08 38.2 D |
| " 26 | Ud | iP | 10 41 30.4 | | ipP2 | | 16 08 46.5 |
| | Aleutian Islands (h = 60 km). | | | | | | micr sec |
| | | | | | P2 | Z' 0.1 1.0 | |
| | | | | | Mx | E 3.8 15 | |
| " 26 | Up | iPKP1 | 13 01 44.2 C | | Mx | N 1.0 14 | |
| | | iPKP2 | 13 01 51.1 | Sk | iP2 | | 16 07 50.8 D |
| | | | micr sec | | i | | 16 08 05.4 |
| | | PKP1 | Z' 0.1 1.2 | Um | iP2 | | 16 07 57.5 D |
| | | PKP2 | Z' 0.2 1.1 | | ipP2 | | 16 08 05.0 |
| Ki | ePKP1 | | 13 01 27 | Ud | iP2 | | 16 07 10.0 D |
| Sk | iPKP1 | | 13 01 40.9 C | | ipP2 | | 16 07 17.2 |
| | i | | 13 01 56.3 | | iLg2 | | 16 12 30.6 |
| Um | iPKP1 | | 13 01 34.1 C | De | iP1 | | 16 06 29.7 |
| Ud | iPKP1 | | 13 01 45.9 C | | iP2 | | 16 06 32.7 D |
| | ipPKP1 | | 13 01 48.3 | Italy. | | | |
| | iPKP2 | | 13 01 54.1 | h = 30 km (Up,Ki,Um,Ud). | | | |
| De | iPKP1 | | 13 01 56.1 C | m = 5.3, M = 4.8 (Up,Ki). | | | |
| | ipPKP1 | | 13 01 59.6 | " 26 | Up | i | 16 25 51.1 |
| | iPKP2 | | 13 02 08.2 | | Um | i(PKP) | 16 25 23.9 |
| South of Kermadec Islands. h = 10 km (Ud,De). | | | | | | iPKP | 16 25 35.9 |
| " 26 | Um | iP | 13 18 14.0 | | Ud | iPKP | 16 25 43.2 |
| | Ud | eP | 13 18 42 | | De | ePKP | 16 25 51 |
| " 26 | Up | iP | 15 03 00.8 C | " 26 | Ki | iP | 16 34 08.0 |
| | Ki | iP | 15 02 08.5 | | Um | iP | 16 34 34.7 |
| | Sk | iP | 15 02 44.9 | | Ud | iP | 16 35 00.2 |
| | Um | iP | 15 02 33.2 C | " 26 | Up | iPKP | 18 58 14.6 |
| | Ud | iP | 15 03 05.1 C | | Sk | iPKP | 18 58 12.3 |
| | De | iP | 15 03 25.9 | | Um | iPKP | 18 58 07.4 |
| Kamchatka (h = 45 km). | | | | | Ud | iPKP | 18 58 17.1 |
| " 26 | Up | iPKP | 15 51 07.0 | New Hebrides Islands (h = 150 km). | | | |
| | Ki | e(PKP) | 15 50 43 | " 26 | Ud | iP | 19 22 35.6 |
| | | iPKP | 15 50 52.3 | " 26 | Ud | iP | 22 47 15.6 |
| | Um | iPKP | 15 50 58.7 | | | i | 22 47 26.7 |
| | Ud | iPKP | 15 51 07.7 | " 26 | Ki | iP | 23 49 31.9 |
| | De | iPKP | 15 51 18.1 | Colombia (h = 50 km). | | | |
| | | i | 15 51 30.3 | " 27 | Up | ePKP | 02 43 37 |
| Tonga-Kermadec Islands (h = N). | | | | (cont.) | | | |
| " 26 | Ud | i(P) | 15 57 55.8 | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

1972

Nov. 27 (cont.)
 Um iPKP 02 43 25.8
 Ud iPKP 02 43 36.1

" 27 Up iP 02 57 46.0 C
 ipP 02 58 01.2
 micr sec
 P Z' 0.1 1.0
 pP Z' 0.3 1.3
 Mx E 2.2 15
 Mx N 2.0 16
 Mx Z 4.0 15
 Ki iP 02 57 24.3 C
 iPcP 02 57 37.6
 micr sec
 P Z' 0.1 1.2
 Mx N 1.2 14
 Sk iP 02 57 54.0 C
 Um iP 02 57 32.0 C
 iPcP 02 57 43.3
 Ud iP 02 57 55.5 C
 ipP 02 58 11.3
 De iP 02 58 05.9 C
 Luzon.
 h = 55 km (Up,Ud).
 m = 5.8, M = 5.7 (Up,Ki).

" 27 Ki iP 03 02 46.7
 Celebes Sea (h = 50 km).

" 27 Ki iPKP 03 44 03.0
 Um iPKP 03 44 09.9
 Ud iPKP 03 44 20.1
 De iPKP 03 44 26.4
 New Hebrides Islands
 (h = 210 km).

" 27 Up ePKP1 04 47 08
 Sk ePKP1 04 47 02
 Um iPKP1 04 46 56.8
 Ud iPKP1 04 47 09.3
 South of Kermadec Islands
 (h = 50 km).

" 27 Ki iP 06 55 42.5
 micr sec
 P Z' 0.1 1.2
 Um iP 06 55 47.0
 Ud iP 06 56 05.0
 Molucca Passage (h = 25 km).

" 27 Up iP 07 29 39.4

" 27 Ud i(pP) 09 09 23.1
 Talaud Islands (h = 110 km).

1972

Nov. 27 Ud iPg1 10 03 11.5
 iSg1 10 03 35.1
 South Norway.
 By combination with
 Kongsberg readings.

" 27 Up iSg1 12 54 36.1
 Ki iSg1 12 57 14.6
 Um i 12 55 05.6
 iSg1 12 55 11.3
 Ud iSg1 12 55 43.0
 De eSg1 12 56 09
 Esthonia, 59.7°N, 24.5°E.
 Origin time = 12 52 48.
 Explosion.

" 27 Up micr sec
 Mx E 1.5 20
 Mx N 1.6 18
 Um iP 15 26 06.6
 Ud iP 15 26 28.0
 Afghanistan-USSR
 (h = 150 km).

" 27 Up eP 15 30 56
 iPP 15 35 26.1
 micr sec
 Mx E 1.0 18
 Mx N 1.8 20
 Mx Z 1.9 20
 Ki iP 15 30 42.9 D
 i(PP) 15 33 35.8
 iPP 15 35 13.5
 micr sec
 P Z' 0.2 1.0
 Mx E 2.2 20
 Mx N 1.5 18
 Mx Z 2.1 19
 Sk iP 15 31 02.8
 iPP 15 35 32.5
 Um iP 15 30 47.3 D
 iPP 15 35 08.4
 iS 15 41 44
 Ud iP 15 31 05.2 D
 i(PP) 15 34 32.8
 De iP 15 31 09.8
 iPP 15 35 18.2
 Banda Sea (h = 430 km).
 M = 5.7 (Up,Ki).
 M uncorrected for focal
 depth.

" 27 Up iP 21 48 12.8 D
 Ki iP 21 47 18.1
 ipP 21 47 30.1
 (cont.)

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|----------------------------|-------|---------|---------|-------------------------|-------|------|
| Nov. 27 | (cont.) | | | Nov. 28 | Sk iP | 13 44 | 36.0 |
| | Sk iP | 21 47 | 55.9 | | Alaska (h = 35 km). | | |
| | Um iP | 21 47 | 43.5 D | | | | |
| | Ud iP | 21 48 | 13.9 D | " 28 | Um iSg1 | 13 45 | 21.8 |
| | De iP | 21 48 | 38.3 D | | Western USSR. | | |
| | ipP | 21 48 | 50.7 | | Explosion. | | |
| | Kamchatka. | | | | | | |
| | h = 45 km (Ki,De). | | | " 28 | Up iPKP | 16 24 | 31.7 |
| " 28 | Up iPKP1 | 10 13 | 32.4 | | Ud iPKP | 16 24 | 34.2 |
| | Sk iPKP1 | 10 13 | 27.3 | | De iPKP | 16 24 | 43.8 |
| | Um iPKP1 | 10 13 | 21.8 C | " 28 | Um eP | 18 32 | 30 |
| | Ud iPKP1 | 10 13 | 34.2 C | | | | |
| | South of Kermadec Islands | | | " 28 | Ud iP | 19 16 | 18.6 |
| | (h = 310 km). | | | | | | |
| " 28 | Up iP | 10 28 | 37.1 | " 28 | Ud ipP | 20 57 | 35.4 |
| | Sk eP | 10 29 | 08 | | Afghanistan-USSR | | |
| | Um iP | 10 28 | 51.5 | | (h = 100 km). | | |
| | Ud iP | 10 28 | 49.6 | " 28 | Ki iP | 21 51 | 11.5 |
| | De iP | 10 28 | 32.0 | | | | |
| | Arabian Sea (h = N). | | | " 29 | Ud iP | 01 31 | 04.5 |
| " 28 | Ki iPn | 11 54 | 31.3 | | Greece. | | |
| | iPg1 | 11 54 | 41.2 | " 29 | Um iP | 02 04 | 08.4 |
| | iSn | 11 55 | 18.3 | | Ud iP | 02 03 | 44.9 |
| | iSg1 | 11 55 | 35.5 | " 29 | Ki eP | 03 12 | 02 |
| | Um iP | 11 57 | 06.7 | | Ud iP | 03 12 | 32.4 |
| | Northwest USSR-Norway | | | | Halmahera (h = 60 km). | | |
| | border region, | | | " 29 | Ki ePg1 | 04 34 | 16 |
| | 69.6°N, 30.4°E. | | | | iSg1 | 04 34 | 51.9 |
| | Origin time = 11 53 29. | | | | Sk iSn | 04 34 | 57.9 |
| | Explosion. | | | | Um iPg1 | 04 34 | 31.8 |
| " 28 | Ki iSg1 | 12 05 | 17.9 | | iSn | 04 35 | 05.4 |
| | Sk iSg1 | 12 05 | 22.8 | | iSg1 | 04 35 | 19.1 |
| | Um iSn | 12 05 | 31.8 | | Nordland, Norway, | | |
| | iSg1 | 12 05 | 45.2 | | 66.5°N, 14.8°E. | | |
| | Ud iSg1 | 12 07 | 12.1 | | Origin time = 04 33 30. | | |
| | Nordland, Norway, | | | | Explosion? | | |
| | 66.5°N, 14.0°E. | | | " 29 | Ki iPn | 10 51 | 16.7 |
| | Origin time = 12 03 49. | | | | ePg1 | 10 51 | 31 |
| | Explosion. | | | | iSn | 10 52 | 15.7 |
| " 28 | Up iP | 13 31 | 56.2 | | iS* | 10 52 | 34.5 |
| | | micr | sec | | Sk eSg1 | 10 55 | 04 |
| | P | Z' | 0.1 1.0 | | Um iSn | 10 52 | 54.5 |
| | Ki iP | 13 33 | 02.5 | | i | 10 53 | 10.0 |
| | Sk iP | 13 32 | 33.8 | | iSg1 | 10 53 | 30.8 |
| | Um iP | 13 32 | 27.4 | | Northwest USSR, | | |
| | Ud iP | 13 32 | 03.6 | | 67.8°N, 34.1°E. | | |
| | ipP | 13 32 | 15.6 | | Origin time = 10 49 58. | | |
| | De iP | 13 31 | 34.4 | | Explosion. | | |
| | ipP | 13 31 | 45.8 | | | | |
| | Eastern Mediterranean Sea. | | | | | | |
| | h = 45 km (Ud,De). | | | | | | |

Up=Uppsala, Ki=Kiruna, Sk=Skalstugan, Um=Umeå, Ud=Uddeholm, De=Delary

| 1972 | | | | 1972 | | | |
|---------|----|---------------------------|--------------|---------|----|------------------|--------------|
| Nov. 29 | Ud | iP | 13 34 16.1 | Nov. 30 | Up | ePKP | 18 36 30 |
| | De | iP | 13 33 38.6 | | Um | iPKP | 18 36 17.6 C |
| " 29 | Ki | iP | 13 59 01.3 | " 30 | Ki | iP | 18 40 54.8 |
| " 30 | Ud | iPKP | 03 04 52.0 | | | Kamchatka. | |
| | | Tonga Islands. | | " 30 | Ki | iP | 22 03 40.5 |
| " 30 | Um | iP | 03 34 19.6 | | Ud | iP | 22 03 58.2 |
| | Ud | iP | 03 34 15.8 | | | Tadzhik-Sinkiang | |
| " 30 | Um | iP | 06 24 57.7 | | | (h = 60 km). | |
| " 30 | Up | i(Pn) | 10 35 00.3 D | | | | |
| | | iSn | 10 36 08.1 | | | | |
| | | iS* | 10 36 40.8 | | | | |
| | | iSg1 | 10 36 44.4 | | | | |
| | Sk | eSn | 10 36 29 | | | | |
| | | iSg1 | 10 37 08.7 | | | | |
| | | i | 10 37 16.9 | | | | |
| | Um | iSn | 10 37 29.2 | | | | |
| | | iSg1 | 10 38 26.1 | | | | |
| | Ud | e | 10 34 38 | | | | |
| | | iSn | 10 35 28.8 | | | | |
| | | i | 10 35 42.6 | | | | |
| | | iSg1 | 10 35 58.9 | | | | |
| | De | iPg1 | 10 34 29.9 | | | | |
| | | iSn | 10 35 08.0 | | | | |
| | | iSg1 | 10 35 29.4 | | | | |
| | | North Sea, 56.8°N, 5.9°E. | | | | | |
| | | Origin time = 10 33 12. | | | | | |
| " 30 | Up | iP | 11-29 17.5 | | | | |
| | | | micr sec | | | | |
| | | P | Z' 0.1 1.4 | | | | |
| | Ki | iP | 11 30 53.7 | | | | |
| | Sk | iP | 11 29 59.5 | | | | |
| | Um | iP | 11 30 05.1 C | | | | |
| | Ud | iP | 11 29 16.8 | | | | |
| | | Adriatic Sea (h = N). | | | | | |
| " 30 | Up | iP | 12 06 58.4 | | | | |
| | | Greece. | | | | | |
| " 30 | Ud | iP | 12 54 45.3 | | | | |
| " 30 | Um | iSg1 | 13 38 05.6 | | | | |
| | | Western USSR. | | | | | |
| | | Explosion. | | | | | |
| " 30 | Ud | iP | 14 51 55.3 | | | Markus Båth | |
| " 30 | Um | iP | 17 25 40.4 | | | Klaus Meyer | |
| | | | | | | Rutger Wahlström | |
| " 30 | Sk | i(P) | 17 41 06.5 | | | October 6, 1974 | |

SEISMOLOGICAL INSTITUTE
BOX 517
S-751 20 UPPSALA
SWEDEN

SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, SKALSTUGAN, UMEÅ,

UDDEHOLM and DELARY

| | | | | |
|------------|-------|------------|------------|-----------|
| Uppsala | (Up): | 59°51.5'N, | 17°37.6'E; | h = 14 m |
| Kiruna | (Ki): | 67°50.4'N, | 20°25.0'E; | h = 390 m |
| Skalstugan | (Sk): | 63°34.8'N, | 12°16.8'E; | h = 580 m |
| Umeå | (Um): | 63°48.9'N, | 20°14.2'E; | h = 16 m |
| Uddeholm | (Ud): | 60°05.4'N, | 13°36.4'E; | h = 240 m |
| Delary | (De): | 56°28.2'N, | 13°52.2'E; | h = 150 m |

DECEMBER 1 - 31, 1972

| 1972 | | | | 1972 | | | |
|------|---|------------------------------|--------------|------|---|---------------------------|------------|
| Dec. | 1 | Um iP | 03 13 17.7 C | Dec. | 1 | (cont.) | |
| | | Ud iP | 03 13 47.2 C | | | Ki | micr sec |
| | | Japan (h = 60 km). | | | | Mx N | 11 15 |
| " | 1 | Sk iP | 07 29 38.6 | | | Mx Z | 7.3 12 |
| | | Italy (h = N). | | | | Sk iP | 11 46 33.3 |
| " | 1 | Up iP | 07 39 19.0 D | | | i | 11 47 01.2 |
| | | Ki iP | 07 39 55.5 | | | Um iP | 11 46 07.1 |
| | | Sk iP | 07 40 53.5 | | | iPP | 11 47 30.9 |
| | | Ud iP | 07 39 34.1 D | | | Ud iP | 11 46 15.5 |
| | | De iP | 07 39 17.1 | | | i | 11 46 17.6 |
| | | Iran. | | | | ipP | 11 46 23.3 |
| | | Origin time = 07 31 51. | | | | De iP | 11 46 06.0 |
| " | 1 | Ki eP | 10 38 50 | | | ipP | 11 46 12.7 |
| | | Kodiak Island (h = 25 km). | | | | Iran. | |
| " | 1 | Ki iPn | 11 31 50.8 | | | h = 35 km (Up,Ud,De). | |
| | | iSn | 11 32 40.0 | | | m = 5.7, M = 5.6 (Up,Ki). | |
| | | iS* | 11 32 51.6 | " | 1 | Up iP | 12 16 07.1 |
| | | Um iSgl | 11 34 25.2 | | | Ud iP | 12 16 17.4 |
| | | Northwest USSR-Norway border | | | | Greece. | |
| | | region, 69.5°N, 31.2°E. | | " | 1 | Ki iP | 15 07 08.8 |
| | | Origin time = 11 30 46. | | | | P Z' | 0.1 1.4 |
| | | Explosion. | | | | Um iX | 15 07 25.7 |
| " | 1 | Up iP | 11 45 58.5 | | | Ud iP | 15 07 34.8 |
| | | ipP | 11 46 07.0 | | | iX | 15 07 41.4 |
| | | iPP | 11 47 21.2 | | | Molucca Passage (h = N). | |
| | | | micr sec | " | 1 | Ki eP | 21 25 16 |
| | | P Z' | 0.1 1.3 | | | Um iP | 21 25 41.6 |
| | | pP Z' | 0.2 1.1 | | | Ud iP | 21 26 13.9 |
| | | Mx E | 3.0 22 | | | Kamchatka (h = N). | |
| | | Mx N | 3.9 16 | " | 2 | Up iP1 | 00 33 01.0 |
| | | Mx Z | 2.8 12 | | | iP2 | 00 33 03.8 |
| | | Ki i(PP) | 11 47 44.0 | | | iP3 | 00 33 06.8 |
| | | | micr sec | | | iP4 | 00 33 14.8 |
| | | (PP) Z' | 0.2 1.5 | | | i | 00 33 37.6 |
| | | Mx E | 8.6 13 | | | iSKS | 00 43 33 |
| | | (cont.) | | | | (cont.) | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | |
|------|---|---------|---------------------------|------|---|----|----|--------------------------|
| Dec. | 2 | (cont.) | | Dec. | 2 | Ud | iP | 00 50 29.1 |
| | | Up | micr sec | | | Um | iP | 00 57 10.5 |
| | | P2 | Z' 0.1 0.8 | " | | Up | iP | 01 10 12.0 |
| | | P3 | Z' 0.4 1.0 | " | | Ki | eP | 01 13 16 |
| | | P4 | Z' 1.1 1.1 | " | | Um | iP | 01 13 21.1 |
| | | Mx | E 340 27 | " | | Ud | iP | 01 13 42.8 |
| | | Mx | N 440 23 | | | | | Mindanao. |
| | | Mx | Z 580 30 | | | | | Origin time = 01 00 20. |
| | | Ki | iP1 00 32 43.1 | " | | Up | iP | 01 16 47.0 |
| | | | iP2 00 32 46.5 | | | | i | 01 17 11.7 |
| | | | i 00 32 53.1 | " | | Ki | iP | 01 49 04.1 |
| | | | iSKS 00 43 09 | " | | Ki | iP | 01 50 39.6 |
| | | | micr sec | | | | | Mindanao (h = 90 km). |
| | | P1 | Z' 0.1 0.8 | " | | Up | iP | 01 53 59.2 |
| | | P2 | Z' 0.8 1.0 | | | | i | 01 54 02.2 |
| | | i | Z' 1.3 0.9 | | | | | micr sec |
| | | Mx | E 290 18 | | | | | Z' 0.1 1.0 |
| | | Mx | N 320 19 | | | Ki | iP | 01 53 42.2 C |
| | | Mx | Z 360 18 | | | | i | 01 53 45.5 |
| | | Sk | iP1 00 33 07.0 | | | | | micr sec |
| | | Um | iP1 00 32 48.7 | | | | | P Z' 0.1 1.0 |
| | | | iP2 00 32 51.3 | | | | | i Z' 0.5 1.0 |
| | | Ud | iP1 00 33 09.2 | | | Sk | iP | 01 54 03.8 |
| | | | iP2 00 33 12.1 | | | | i | 01 54 06.8 |
| | | | iP3 00 33 15.1 | | | Um | iP | 01 53 47.8 C |
| | | | iP4 00 33 23.3 | | | | i | 01 53 50.8 |
| | | De | iP1 00 33 18.4 | | | Ud | iP | 01 54 08.0 C |
| | | | Mindanao (h = N). | | | | i | 01 54 11.1 |
| | | | m = 7.2, M = 8.0 (Up,Ki). | | | De | iP | 01 54 16.5 C |
| | | | Multiple P-phases with | | | | i | 01 54 20.2 |
| | | | successively increasing | | | | | Mindanao (h = 55 km). |
| | | | amplitudes; in average | | | | | m = 6.5 (Up,Ki). |
| | | | P2 - P1 = 2.9 sec, | | | | | Double P, in average 3.2 |
| | | | P3 - P1 = 5.9 sec, | | | | | sec apart. |
| | | | P4 - P1 = 14.0 sec. | " | | Sk | iP | 01 57 32.4 |
| " | 2 | Ki | iP 00 46 05.8 | | | Um | iP | 01 57 16.5 |
| | | Ud | iP 00 46 31.4 | | | | | Mindanao. |
| | | | Mindanao. | | | | | Origin time = 01 44 14. |
| | | | Origin time = 00 33 09. | " | | Ki | iP | 02 01 17.9 |
| | | | Approximate origin times, | " | | Ki | iP | 02 04 08.4 |
| | | | based on our own records, | | | Ud | iP | 02 04 33.6 |
| | | | are given for aftershocks | | | | | Mindanao. |
| | | | not reported by NEIS. | | | | | Origin time = 01 51 12. |
| " | 2 | Up | iP 00 47 51.3 | " | | Up | iP | 02 10 31.6 |
| | | | ipP 00 47 59.7 | | | Ki | iP | 02 10 14.7 |
| | | Ki | iP 00 47 34.1 | | | | | (cont.) |
| | | | ipP 00 47 41.8 | | | | | |
| | | | micr sec | | | | | |
| | | P | Z' 0.1 1.3 | | | | | |
| | | Sk | ipP 00 48 06.3 | | | | | |
| | | Um | iP 00 47 39.3 | | | | | |
| | | Ud | iP 00 47 59.5 | | | | | |
| | | | ipP 00 48 07.3 | | | | | |
| | | | Mindanao. | | | | | |
| | | | h = 30 km (Up,Ki,Ud). | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|---------|-------------------------|------|---|---------|-------------------------|
| Dec. | | | | Dec. | | | |
| | 2 | (cont.) | | | 2 | (cont.) | |
| | | Ki | i 02 10 18.2 | | | Ki | micr sec |
| | | Ud | iP 02 10 39.8 | | | P | Z' 0.2 1.0 |
| | | | Mindanao. | | | Mx | E 3.9 16 |
| | | | Origin time = 01 57 18. | | | Mx | N 2.4 17 |
| " | 2 | Ki | iP 02 14 06.5 | | | Mx | Z 3.4 16 |
| " | 2 | Up | iP 02 26 15.1 | | | Sk | iP 04 10 15.7 |
| | | Ki | eP 02 26 00 | | | i | 04 10 22.5 |
| | | | i 02 26 09.8 | | | Um | iP 04 09 58.9 |
| | | Um | iP 02 26 04.4 | | | i(PP) | 04 13 16.5 |
| | | Ud | iP 02 26 24.6 | | | Ud | iP 04 10 18.5 D |
| | | | Mindanao (h = N). | | | De | i(P) 04 10 27.5 |
| " | 2 | Up | eP 02 35 33 | | | | Mindanao. |
| | | Ki | iP 02 35 13.4 | | | | h = 80 km (Ki). |
| | | | ipP 02 35 25.5 | " | 2 | Up | iP 04 44 59.4 |
| | | Ud | iP 02 35 38.8 | | | Ki | iP 04 44 42.6 |
| | | | Mindanao. | | | | micr sec |
| | | | h = 45 km (Ki,Ud). | | | P | Z' 0.1 1.1 |
| " | 2 | Ki | eP 02 43 04 | | | Um | iP 04 44 49.4 |
| | | Ud | iP 02 43 25.6 | | | Ud | iP 04 45 07.6 |
| | | | ipP 02 43 37.2 | | | i | 04 45 17.7 |
| | | | Mindanao. | | | | Mindanao (h = 70 km). |
| | | | h = 45 km (Ud). | " | 2 | Ki | eP 06 01 16 |
| " | 2 | Ki | iP 02 48 01.4 | " | 2 | Up | micr sec |
| | | Ud | iP 02 48 27.6 | | | Mx | E 2.5 19 |
| | | | Mindanao. | | | Mx | N 3.0 19 |
| | | | Origin time = 02 35 06. | | | Mx | Z 4.9 20 |
| " | 2 | Up | iP 03 09 48.4 | | | Ki | iP 06 01 21.8 |
| | | Ki | iP 03 09 31.0 | | | ipP | 06 01 42.0 |
| | | | ipP 03 09 49.3 | | | | micr sec |
| | | Um | iP 03 09 37.1 | | | pP | Z' 0.1 1.0 |
| | | Ud | iP 03 09 56.9 | | | Mx | E 3.9 18 |
| | | | Mindanao. | | | Mx | N 4.0 17 |
| | | | h = 70 km (Ki). | | | Mx | Z 4.7 20 |
| " | 2 | Ud | eP 03 34 21 | | | Sk | ipP 06 02 02.3 |
| " | 2 | Ki | iP 03 42 15.8 | | | Ud | iP 06 01 47.3 |
| | | | Mindanao (h = N). | | | | Mindanao. |
| " | 2 | Ki | iP 03 46 06.1 | | | | h = 80 km (Ki,Sk). |
| | | | Mindanao (h = N). | | | | M = 6.0 (Up,Ki). |
| " | 2 | Up | iP 04 10 10.0 D | " | 2 | Ki | eP 06 29 24 |
| | | | micr sec | " | 2 | Ki | iP 06 59 03.9 |
| | | P | Z' 0.1 1.0 | " | 2 | Ki | eP 07 07 38 |
| | | Mx | E 2.2 23 | | | | Mindanao (h = 60 km). |
| | | Mx | N 2.2 18 | " | 2 | Ki | iP 07 10 37.7 |
| | | Mx | Z 4.1 17 | | | Ud | iP 07 11 03.3 |
| | | Ki | iP 04 09 52.6 D | | | | Mindanao. |
| | | ipP | 04 10 12.6 | | | | Origin time = 06 57 41. |
| | | (cont.) | | " | 2 | Ki | iP 08 31 00.4 C |
| | | | | | | (cont.) | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|------------------------------|--------------|------|---|-------------------------|------------|
| Dec. | | (cont.) | | Dec. | | (cont.) | |
| | 2 | Ud ip | 08 31 26.4 C | | 2 | Ud iSgl | 13 07 15.3 |
| | | Mindanao (h = N). | | | | De iSgl | 13 07 33.7 |
| " | 2 | Ki eP | 10 07 20 | | | Western USSR, | |
| | | ipP | 10 07 43.2 | | | 59.1°N, 27.2°E. | |
| | | Sk ipP | 10 08 06.1 | | | Origin time = 13 03 36. | |
| | | Ud ip | 10 07 44.8 | | | Explosion. | |
| | | Mindanao. | | " | 2 | Up iSgl | 13 12 40.0 |
| | | h = 90 km (Ki). | | | | Sk eSgl | 13 14 26 |
| " | 2 | Ki eP | 10 29 25 | | | Um iSgl | 13 12 57.9 |
| | | Ud ip | 10 29 51.5 | | | Ud iSgl | 13 13 40.2 |
| | | Mindanao (h = 90 km). | | | | Western USSR, | |
| " | 2 | Up ipP | 10 49 27.2 | | | 59.3°N, 27.5°E. | |
| | | | micr sec | | | Origin time = 13 10 00. | |
| | | Ki pP | Z' 0.1 1.0 | | | Explosion. | |
| | | ipP | 10 49 04.3 | " | 2 | Up eP | 13 33 45 |
| | | ipP | 10 49 10.2 | | | ipP | 13 33 52.0 |
| | | | micr sec | | | | micr sec |
| | | Ki pP | Z' 0.1 1.3 | | | Mx E | 2.9 19 |
| | | ipP | 10 49 29.8 | | | Mx N | 2.1 12 |
| | | Ud ip | 10 49 29.8 | | | Mx Z | 2.3 17 |
| | | ipP | 10 49 35.7 | | | Ki ip | 13 34 52.4 |
| | | Mindanao. | | | | | micr sec |
| | | h = 20 km (Ki,Ud). | | | | Mx E | 3.4 14 |
| | | m = 6.1 (Up,Ki). | | | | Mx N | 1.8 18 |
| " | 2 | Ki iPn | 11 12 28.0 | | | Sk ip | 13 34 27.3 |
| | | iSn | 11 13 16.8 | | | Um ipP | 13 34 28.2 |
| | | iSgl | 11 13 32.5 | | | Ud ip | 13 33 54.0 |
| | | Northwest USSR-Norway border | | | | ipP | 13 34 02.4 |
| | | region. | | | | De ip | 13 33 23.9 |
| | | Origin time = 11 11 24. | | | | Crete. | |
| | | Explosion. | | | | h = 40 km (Up,Um,Ud). | |
| " | 2 | Ki eP | 11 39 54 | | 2 | Ki ip | 15 00 18.9 |
| | | Ud ip | 11 40 18.1 | | | Ud ip | 15 00 45.4 |
| | | Mindanao (h = 70 km). | | | | Mindanao (h = 80 km). | |
| " | 2 | Ki i | 12 25 06.8 | " | 2 | Ki ip | 16 11 17.7 |
| | | i(Sn) | 12 25 12.7 | | | Sk ip | 16 11 23.0 |
| | | iSgl | 12 25 34.1 | | | Ud ip | 16 11 29.1 |
| | | Um iSgl | 12 25 56.2 | " | 2 | Ki eP | 18 28 54 |
| | | Northwest USSR. | | | | Mindanao (h = 80 km). | |
| | | Explosion. | | " | 2 | Ki ip | 21 13 31.9 |
| " | 2 | Ki eP | 12 37 08 | | | Ud ip | 21 13 56.3 |
| | | Ud ip | 12 37 31.2 | | | Mindanao (h = 60 km). | |
| | | ipP | 12 37 50.6 | " | 2 | Ki eP | 22 00 53 |
| | | Mindanao. | | | | Ud ip | 22 01 18.5 |
| | | h = 70 km (Ud). | | | | Mindanao (h = 70 km). | |
| " | 2 | Up iSgl | 13 06 11.7 | " | 2 | Ki ip | 23 49 45.7 |
| | | Ki iSgl | 13 08 21.3 | | | Mindanao (h = 80 km). | |
| | | Sk iSgl | 13 08 01.3 | | | | |
| | | Um iSgl | 13 06 35.9 | | | | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|-----------------------|--------------|------|---|----------------------------|--------------|
| Dec. | 2 | Ud iP | 23 52 17.3 | Dec. | 3 | (cont.) | |
| | | North of Halmahera | | | | Sk iP | 09 02 49.6 |
| | | (h = 100 km). | | | | Um iP | 09 02 21.4 |
| " | 2 | Ki iP | 23 59 25.4 | | | Ud iP | 09 02 42.4 |
| | | Ud iP | 23 59 50.7 | | | i | 09 02 44.4 C |
| | | Mindanao (h = 90 km). | | | | De iP | 09 02 43.5 |
| " | 3 | Sk iP | 00 11 29.4 | | | Sinkiang (h = N). | |
| | | | | | | m = 5.6 (Up,Ki). | |
| " | 3 | Ki eP | 01 14 48 | " | 3 | Ud iPKP | 09 12 41.9 |
| | | ipP | 01 14 57.5 | | | De iPKP | 09 12 51.3 |
| | | | micr sec | | | Fiji Islands (h = 600 km). | |
| | | pP | Z' 0.1 1.0 | " | 3 | Ki ipP | 09 38 31.3 |
| | | Ud iP | 01 15 10.1 | | | Ud iP | 09 38 37.5 |
| | | ipP | 01 15 19.1 | | | ipP | 09 38 55.5 |
| | | Mindanao. | | | | Mindanao. | |
| | | h = 35 km (Ki,Ud). | | | | h = 70 km (Ud). | |
| " | 3 | Ki eP2 | 01 40 04 | " | 3 | Ud iPKP | 10 52 19.1 |
| | | Um iP2 | 01 40 08.4 | | | De iPKP | 10 52 30.1 |
| | | Ud iP1 | 01 40 22.7 | | | Tonga-Kermadec Islands | |
| | | iP2 | 01 40 28.9 | | | (h = N). | |
| | | Mindanao (h = 60 km). | | " | 3 | Ki iP2 | 11 29 18.3 |
| " | 3 | Ki eP | 02 09 21 | | | Ud iP1 | 11 29 32.8 |
| | | ipP | 02 09 33.1 | | | iP2 | 11 29 42.9 |
| | | Ud iP | 02 09 47.3 | | | Mindanao (h = 80 km). | |
| | | Mindanao. | | " | 3 | Ud iP | 13 23 39.1 |
| | | h = 45 km (Ki). | | | | Kamchatka (h = N). | |
| " | 3 | Ud iP | 02 32 57.8 | " | 3 | Up eSgl | 13 51 59 |
| " | 3 | Ki iP2 | 03 17 32.9 | | | Um iSgl | 13 52 07.8 |
| | | Ud eP1 | 03 17 53 | | | Ud eSgl | 13 52 59 |
| | | iP2 | 03 17 56.0 | | | Western USSR. | |
| | | Mindanao (h = 70 km). | | | | Explosion. | |
| " | 3 | Um iP | 07 57 39.4 | " | 3 | Sk iPKP | 15 15 09.9 |
| " | 3 | Up eP | 07 58 12 | | | Prince Edward Island | |
| | | | micr sec | | | (h = N). | |
| | | P | Z' 0.1 1.3 | " | 3 | Sk iP | 16 42 38.3 |
| | | Ki iP | 07 57 54.1 | " | 3 | Up iP | 18 11 51.2 |
| | | i | 07 57 57.5 | | | Ki iP | 18 12 01.9 |
| | | | micr sec | | | Ud iP | 18 12 01.0 |
| | | P | Z' 0.1 0.9 | | | Indian Ocean (h = N). | |
| | | Um iP | 07 58 00.4 | " | 3 | Ki i(pP) | 19 12 10.2 |
| | | Ud iP | 07 58 18.8 | | | Mindanao (h = 60 km). | |
| | | Mindanao (h = 80 km). | | " | 3 | Up iP | 19 38 51.9 |
| | | m = 6.0 (Up,Ki). | | | | micr sec | |
| " | 3 | Up iP | 09 02 27.8 C | | | P | Z' 0.1 1.1 |
| | | | micr sec | | | Mx | E 2.0 18 |
| | | P | Z' 0.2 1.3 | | | Mx | N 2.5 20 |
| | | Ki iP | 09 02 30.0 C | | | Mx | Z 2.7 20 |
| | | | micr sec | | | (cont.) | |
| | | P | Z' 0.1 1.2 | | | | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| | | | | | | | | | | |
|------|---|---------------------------|------------|--------------|------|----|---------|---------------------------|--------------|--------------|
| 1972 | | | | | 1972 | | | | | |
| Dec. | 3 | (cont.) | | | Dec. | 4 | (cont.) | | | |
| | | Ki | iP | 19 38 35.9 | | | Up | i(P'P') | 10 54 41.8 | |
| | | | ipP | 19 38 51.2 | | | | | micr sec | |
| | | | | | | | P | Z' | 4.1 1.0 | |
| | | | pP | Z' 0.1 1.2 | | | Mx | E | 170 21 | |
| | | | Mx | E 5.7 21 | | | Mx | N | 210 23 | |
| | | | Mx | N 2.6 17 | | | Mx | Z | 330 23 | |
| | | | Mx | Z 4.7 20 | | | Ki | iP | 10 27 15.8 C | |
| | | Ud | iP | 19 38 57.7 | | | | iPP | 10 29 51.3 | |
| | | De | ipP | 19 39 22.6 | | | | iS | 10 36 16 | |
| | | Mindanao. | | | | | | i(P'P') | 10 55 09.7 | |
| | | h = 55 km (Ki). | | | | | | iP'P' | 10 55 21.8 | |
| | | m = 6.1, M = 5.9 (Up,Ki). | | | | | | | micr sec | |
| " | 3 | Up | eP2 | 20 49 10 | | | P | Z' | 5.2 1.3 | |
| | | Ki | eP2 | 20 48 53 | | | Mx | E | 240 19 | |
| | | Ud | iP1 | 20 49 08.6 | | | Mx | N | 300 17 | |
| | | | iP2 | 20 49 18.0 | | | Mx | Z | 310 18 | |
| | | Mindanao (h = 70 km). | | | | Sk | iP | 10 27 47.5 C | | |
| " | 3 | Ud | eP | 20 51 08 | | | | iPP | 10 30 40.1 | |
| " | 3 | Ki | eP | 20 54 05 | | | | iS | 10 37 24.7 | |
| | | Ud | iP | 20 54 23.3 | | | Um | iP | 10 27 32.3 C | |
| | | Mindanao (h = 70 km). | | | | | | iPP | 10 30 09.5 | |
| " | 3 | Ki | eP | 20 55 07 | | | | iS | 10 36 55.2 | |
| | | Ud | iP | 20 55 29.2 | | | | i(P'P') | 10 54 42.7 | |
| | | Mindanao. | | | | | Ud | iP | 10 27 59.9 C | |
| " | 3 | Up | i(P) | 22 20 16.5 | | | | iS | 10 37 45.0 | |
| | | Ud | i(P) | 22 20 28.4 | | | De | iP | 10 28 13.5 C | |
| | | Japan (h = 15 km). | | | | | | iS | 10 38 12.4 | |
| " | 3 | Ud | eP | 23 09 24 | | | | eP'P' | 10 55 09 | |
| " | 4 | Up | i(P) | 03 30 33.7 | | | | Japan (h = 70 km). | | |
| | | Ud | iP | 03 30 28.9 | | | | m = 7.3, M = 7.7 (Up,Ki). | | |
| | | De | iP | 03 29 57.8 | " | 4 | Up | iP | 10 43 11.1 C | |
| | | Crete (h = 40 km). | | | | | | | micr sec | |
| " | 4 | Ki | eP | 07 11 21 | | | | P | Z' 0.1 1.2 | |
| | | Um | iP | 07 11 29.4 | | | Ki | iP | 10 42 33.0 C | |
| | | Ud | iP | 07 11 48.7 | | | Sk | iP | 10 43 08.1 C | |
| | | De | iP | 07 11 57.1 | | | Um | iP | 10 42 50.9 C | |
| | | Mindanao (h = 100 km). | | | | | | ipP | 10 43 04.4 | |
| " | 4 | Ki | iP | 07 29 27.3 | | | | Ud | iP | 10 43 18.4 C |
| | | Ud | iP | 07 29 52.5 | | | | ipP | 10 43 32.1 | |
| | | Mindanao (h = 70 km). | | | | | | Japan. | | |
| " | 4 | Ud | iP | 07 44 31.5 | | | | h = 50 km (Um,Ud). | | |
| | | Afghanistan. | | | | | | Origin time = 10 31 30. | | |
| " | 4 | Up | iP | 10 27 52.6 C | " | 4 | Ki | eP | 10 52 54 | |
| | | iPP | 10 30 49.4 | | | | Um | iP | 10 53 08.0 | |
| | | iS | 10 37 28 | | | | Ud | eP | 10 53 36 | |
| | | (cont.) | | | | | | Japan. | | |
| | | | | | | | | Origin time = 10 41 49. | | |
| " | 4 | Up | iP | 10 27 52.6 C | " | 4 | Up | iP | 10 56 38.8 C | |
| | | iPP | 10 30 49.4 | | | | | | micr sec | |
| | | iS | 10 37 28 | | | | P | Z' | 0.1 1.1 | |
| | | (cont.) | | | | | Um | eP | 10 56 21 | |
| | | | | | | | | Japan. | | |
| | | | | | | | | Origin time = 10 45 00. | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| | | | | | | | | | | | | | | | | | | |
|------|---|--------------------------------------|------|------------|--|--|--|--|------|---|-------------------------------|----------|--------------|--|--|--|--|--|
| 1972 | | | | | | | | | 1972 | | | | | | | | | |
| Dec. | 4 | Up | iP | 11 17 10.3 | | | | | Dec. | 4 | (cont.) | | | | | | | |
| | | Um | iP | 11 16 49.6 | | | | | | | Sk | iP | 13 00 07.5 | | | | | |
| | | | ipP | 11 17 02.8 | | | | | | | Um | iP | 12 59 51.8 | | | | | |
| | | Ud | iP | 11 17 17.8 | | | | | | | Ud | iP | 13 00 19.8 | | | | | |
| | | | ipP | 11 17 31.1 | | | | | | | | i | 13 00 26.5 | | | | | |
| | | Japan. | | | | | | | | | De | e(P) | 13 00 40 | | | | | |
| | | h = 50 km (Um,Ud). | | | | | | | | | Japan (h = 80 km). | | | | | | | |
| " | 4 | Um | iP | 11 20 42.1 | | | | | " | 4 | Ki | eP | 13 09 10 | | | | | |
| | | Japan (h = N). | | | | | | | | | Um | iP | 13 09 26.6 | | | | | |
| | | | | | | | | | | | Ud | eP | 13 09 53 | | | | | |
| " | 4 | Up | iP | 11 33 38.2 | | | | | " | 4 | Ki | ipP | 13 20 40.3 | | | | | |
| | | Ki | iP | 11 33 01.9 | | | | | | | Sk | ipP | 13 21 12.6 | | | | | |
| | | Sk | iP | 11 33 34.6 | | | | | | | Um | iP | 13 20 43.4 | | | | | |
| | | Um | iP | 11 33 17.1 | | | | | | | Ud | iP | 13 21 11.1 | | | | | |
| | | Ud | iP | 11 33 45.5 | | | | | | | | i | 13 21 18.0 | | | | | |
| | | Japan (h = 80 km). | | | | | | | | | Japan (h = 60 km). | | | | | | | |
| " | 4 | Up | iP | 12 02 20.6 | | | | | " | 4 | Um | iP | 13 33 23.7 | | | | | |
| | | | i | 12 02 28.4 | | | | | | | Japan (h = N). | | | | | | | |
| | | | ipP | 12 02 35.9 | | | | | | | | | | | | | | |
| | | | | micr sec | | | | | | | | | | | | | | |
| | | P | Z' | 0.1 1.3 | | | | | | | | | | | | | | |
| | | Ki | iP | 12 01 43.5 | | | | | " | 4 | Up | eP | 13 42 33 | | | | | |
| | | | ipP | 12 01 58.7 | | | | | | | Ki | eP | 13 41 56 | | | | | |
| | | Sk | iP | 12 02 15.4 | | | | | | | Sk | ipP | 13 42 42.7 | | | | | |
| | | Um | iP | 12 01 59.9 | | | | | | | Um | iP | 13 42 12.0 | | | | | |
| | | Ud | iP | 12 02 27.0 | | | | | | | Ud | iP | 13 42 38.9 | | | | | |
| | | | i | 12 02 35.8 | | | | | | | | ipP | 13 42 55.5 | | | | | |
| | | | ipP | 12 02 43.2 | | | | | | | De | eP | 13 42 53 | | | | | |
| | | De | iP | 12 02 41.4 | | | | | | | Japan. | | | | | | | |
| | | Japan. | | | | | | | | | h = 60 km (Ud). | | | | | | | |
| | | h = 55 km (Up,Ki,Ud). | | | | | | | " | 4 | Ki | eP | 14 01 03 | | | | | |
| " | 4 | Ki | ePgl | 12 05 57 | | | | | | | Um | iP | 14 01 17.6 | | | | | |
| | | | iSn | 12 06 35.3 | | | | | | | Japan (h = 55 km). | | | | | | | |
| | | | iS* | 12 06 47.9 | | | | | " | 4 | Ki | iP | 14 48 32.9 | | | | | |
| | | Um | iSgl | 12 08 25.4 | | | | | | | Ud | iP | 14 49 25.1 | | | | | |
| | | Northwest USSR-Norway border region. | | | | | | | | | De | iP | 14 49 48.0 | | | | | |
| | | Explosion. | | | | | | | | | Aleutian Islands (h = 50 km). | | | | | | | |
| " | 4 | Ud | eP | 12 10 52 | | | | | " | 4 | Up | iP | 15 02 38.7 D | | | | | |
| " | 4 | Ud | eP | 12 19 12 | | | | | | | | i | 15 02 45.8 | | | | | |
| | | | | | | | | | | | | micr sec | | | | | | |
| " | 4 | Um | iP | 12 29 07.0 | | | | | | | P | Z' | 0.2 1.1 | | | | | |
| | | Ud | eP | 12 29 35 | | | | | | | Ki | iP | 15 02 02.6 D | | | | | |
| | | Japan. | | | | | | | | | | micr sec | | | | | | |
| | | Origin time = 12 17 47. | | | | | | | | | P | Z' | 0.1 1.0 | | | | | |
| | | | | | | | | | | | Sk | iP | 15 02 34.5 D | | | | | |
| " | 4 | Um | iP | 12 57 59.6 | | | | | | | Um | iP | 15 02 18.3 D | | | | | |
| | | Ud | iP | 12 58 28.0 | | | | | | | Ud | iP | 15 02 46.4 D | | | | | |
| | | Japan (h = 40 km). | | | | | | | | | De | iP | 15 02 59.7 D | | | | | |
| | | | | | | | | | | | Japan (h = 60 km). | | | | | | | |
| " | 4 | Up | eP | 13 00 13 | | | | | | | m = 5.9 (Up,Ki). | | | | | | | |
| | | Ki | eP | 12 59 36 | | | | | " | 4 | Up | iP | 15 12 04.8 | | | | | |
| | | (cont.) | | | | | | | | | (cont.) | | | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| | | | | | | | | | | |
|------|---|-------------------------------|------|--------------|--|------|---|-------------------------|-------|------------|
| 1972 | | | | | | 1972 | | | | |
| Dec. | 4 | (cont.) | | | | Dec. | 4 | (cont.) | | |
| | | Ki | iP | 15 11 28.4 | | | | Ki | eP | 18 24 20 |
| | | | | micr sec | | | | Um | iP | 18 24 33.0 |
| | | | P | Z' 0.1 1.0 | | | | Ud | iP | 18 25 00.6 |
| | | Sk | iP | 15 12 00.2 | | | | | i | 18 25 02.6 |
| | | Um | iP | 15 11 44.1 D | | | | Japan (h = 90 km). | | |
| | | | ipP | 15 11 59.8 | | | | | | |
| | | Ud | iP | 15 12 12.6 D | | " | 4 | Um | iP | 18 40 07.9 |
| | | | ipP | 15 12 28.3 | | | | Ud | eP | 18 40 37 |
| | | De | iP | 15 12 25.6 | | | | | i(pP) | 18 40 53.0 |
| | | Japan. | | | | | | Japan. | | |
| | | h = 60 km (Um,Ud). | | | | | | Origin time = 18 28 48. | | |
| " | 4 | Ki | iP | 15 17 29.4 | | " | 4 | Up | iP | 20 35 16.1 |
| | | Ud | iP | 15 17 55.2 | | | | Um | iP | 20 34 55.3 |
| | | Mindanao (h = 70 km). | | | | | | Japan (h = 80 km). | | |
| " | 4 | Up | iP | 15 30 27.3 | | " | 4 | Um | iP | 20 41 11.2 |
| | | Ki | iP | 15 29 53.4 | | | | Japan (h = 70 km). | | |
| | | Um | iP | 15 30 08.9 | | " | 4 | Up | iPKP | 21 57 00.3 |
| | | | ipP | 15 30 24.5 | | | | Ud | iPKP | 21 57 02.3 |
| | | Ud | eP | 15 30 35 | | | | De | iPKP | 21 57 13.6 |
| | | Japan. | | | | | | Tonga-Kermadec Islands | | |
| | | h = 60 km (Um). | | | | | | (h = 610 km). | | |
| " | 4 | Ud | iPKP | 16 01 42.7 | | " | 4 | Um | iP | 22 57 39.4 |
| | | De | iPKP | 16 01 49.8 | | | | Japan (h = 60 km). | | |
| | | Tonga-Kermadec Islands | | | | | | | | |
| | | (h = 130 km). | | | | " | 4 | Um | iP | 23 37 04.8 |
| " | 4 | Up | ePKP | 16 41 10 | | | | Japan (h = 70 km). | | |
| | | Sk | ePKP | 16 41 03 | | " | 5 | Up | eP | 00 19 09 |
| | | Um | iPKP | 16 40 57.8 | | | | Sk | eP | 00 19 04 |
| | | Ud | iPKP | 16 41 12.1 | | | | Um | iP | 00 18 47.3 |
| | | | i | 16 41 27.5 | | | | Ud | iP | 00 19 14.9 |
| | | Kermadec Islands (h = 40 km). | | | | | | Japan. | | |
| " | 4 | Up | iP | 18 05 30.7 | | | | Origin time = 00 07 27. | | |
| | | | | micr sec | | " | 5 | Ki | iP | 02 10 12.5 |
| | | Mx | E | 2.7 23 | | | | Ud | iP | 02 10 40.4 |
| | | Mx | N | 4.8 22 | | | | Mindanao (h = 80 km). | | |
| | | Mx | Z | 2.7 20 | | " | 5 | Up | | micr sec |
| | | Ki | iP | 18 05 10.8 | | | | Mx | E | 1.4 18 |
| | | | | micr sec | | | | Mx | N | 2.3 21 |
| | | | P | Z' 0.1 1.1 | | | | Mx | Z | 2.4 18 |
| | | | Mx | E 2.1 18 | | | | Ki | iP | 03 00 14.1 |
| | | | Mx | N 2.6 22 | | | | New Guinea (h = N). | | |
| | | | Mx | Z 3.0 19 | | " | 5 | Um | iP | 03 13 37.8 |
| | | Sk | iP | 18 05 34.1 | | | | Ud | iP | 03 14 03.6 |
| | | Um | iP | 18 05 18.3 | | | | Japan (h = N). | | |
| | | Ud | iP | 18 05 37.1 | | " | 5 | Up | eP | 04 22 51 |
| | | New Guinea (h = N). | | | | | | Ki | iP | 04 22 17.4 |
| | | M = 6.0 (Up,Ki). | | | | | | Sk | iP | 04 22 47.7 |
| " | 4 | Um | iP | 18 24 03.6 D | | " | 5 | (cont.) | | |
| " | 4 | Up | iP | 18 24 56.4 | | | | (cont.) | | |
| | | (cont.) | | | | | | (cont.) | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|-------------------------|------------|------|---|---------------------------|--------------|
| Dec. | 5 | (cont.) | | Dec. | 5 | Um iP | 13 55 58.8 |
| | | Um iP | 04 22 29.1 | | | Japan (h = N). | |
| | | i | 04 22 31.3 | | | | |
| | | ipP | 04 22 42.8 | " | 5 | Up iP | 14 15 21.7 |
| | | Ud iP | 04 22 55.9 | | | | micr sec |
| | | Japan. | | | | P | Z' 0.1 1.2 |
| | | h = 50 km (Um). | | | | Mx | E 1.7 18 |
| " | 5 | Ki iP | 06 16 03.4 | | | Mx | N 3.6 17 |
| | | Ud iP | 06 16 30.4 | | | Mx | Z 3.4 17 |
| | | Mindanao (h = 80 km). | | | | Ki iP | 14 14 45.1 |
| " | 5 | Ki i(Sgl) | 06 35 30.0 | | | | micr sec |
| " | 5 | Ud iP | 06 36 12.2 | | | Mx | E 3.5 17 |
| | | Japan (h = N). | | | | Mx | N 3.7 17 |
| " | 5 | Up iP | 09 14 25.3 | | | Mx | Z 3.0 15 |
| | | | micr sec | | | Sk iP | 14 15 16.1 C |
| | | P | Z' 0.1 1.1 | | | Um iP | 14 15 00.8 C |
| | | Ki eP | 09 14 40 | | | ipP | 14 15 16.0 |
| | | Ud iP | 09 14 27.5 | | | Ud iP | 14 15 28.3 C |
| | | Chagos Islands (h = N). | | | | ipP | 14 15 43.7 |
| " | 5 | Up iP | 10 14 34.4 | | | De eP | 14 15 44 |
| | | ipP | 10 14 48.2 | | | Japan. | |
| | | Ki iP | 10 13 57.4 | | | h = 55 km (Um,Ud). | |
| | | Sk iP | 10 14 29.9 | | | M = 5.8 (Up,Ki). | |
| | | Um iP | 10 14 13.7 | " | 5 | Up iPKP1 | 15 17 00.4 D |
| | | i | 10 14 25.1 | | | iPKP2 | 15 17 10.9 |
| | | ipP | 10 14 28.6 | | | Ki ePKP1 | 15 16 43 |
| | | Ud iP | 10 14 41.7 | | | Sk iPKP1 | 15 16 56.0 |
| | | Japan. | | | | Um iPKP1 | 15 16 50.8 D |
| | | h = 55 km (Up,Um). | | | | Ud iPKP1 | 15 17 03.0 D |
| " | 5 | Um iP | 11 21 18.9 | | | De ePKP1 | 15 17 09 |
| | | Japan (h = 60 km). | | | | South of Kermadec Islands | |
| " | 5 | Ki iSgl | 12 02 41.3 | | | (h = 60 km). | |
| | | Sk eSgl | 12 02 47 | " | 5 | Ki iP | 15 30 46.0 |
| " | 5 | Up iP | 12 03 31.4 | | | Ud iP | 15 31 10.2 |
| | | Um iP | 12 03 09.1 | | | Mindanao (h = 45 km). | |
| | | ipP | 12 03 15.8 | " | 5 | Ki eP | 15 38 13 |
| | | Ud iP | 12 03 38.8 | | | Um iP | 15 38 31.0 |
| | | ipP | 12 03 45.3 | | | Ud eP | 15 39 01 |
| | | Japan. | | | | Japan. | |
| | | h = 25 km (Um,Ud). | | | | Origin time = 15 27 11. | |
| " | 5 | Sk iP | 12 05 39.1 | " | 5 | Ki iP | 15 39 44.7 |
| | | Um iP | 12 05 33.2 | | | Mindanao (h = 90 km). | |
| | | Ud iP | 12 05 04.5 | " | 5 | Up iPKP | 15 51 37.0 |
| | | i | 12 05 11.9 | | | Ud iPKP | 15 51 38.8 |
| | | Aegean Sea (h = 60 km). | | " | 5 | Ki eP | 16 07 19 |
| " | 5 | Ki iP | 12 59 59.3 | | | Ud iP | 16 07 45.0 |
| | | Um iP | 13 00 17.6 | | | Mindanao. | |
| | | Japan (h = 45 km). | | | | Origin time = 15 54 23. | |
| " | 5 | Ki iP | 12 59 59.3 | " | 5 | Ki iP | 16 11 38.0 |
| | | Um iP | 13 00 17.6 | | | Ud iP | 16 12 04.1 |
| | | Japan (h = 45 km). | | | | (cont.) | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|--------------------------------|--------------|------|---|--------------------------------|--------------|
| Dec. | 6 | Ud iP | 22 30 16.3 | Dec. | 7 | (cont.) | |
| | | Mindanao (h = 70 km). | | | | Ki iP | 11 57 18.1 C |
| | | | | | | | micr sec |
| " | 6 | Up iP | 23 52 46.4 D | | | P | Z' 0.1 0.8 |
| | | | micr sec | | | Sk iP | 11 57 32.3 C |
| | | P | Z' 0.1 1.0 | | | Um iP | 11 57 15.6 C |
| | | Ki iP | 23 52 03.4 | | | Ud iP | 11 57 27.4 C |
| | | i | 23 52 13.8 | | | (Sumatra). | |
| | | | micr sec | | | | |
| | | P | Z' 0.1 1.0 | " | 7 | Sk iSgl | 13 14 09.6 |
| | | Mx | E 2.0 19 | | | | |
| | | Mx | N 2.3 21 | " | 7 | Ki iP | 14 13 46.6 |
| | | Um iP | 23 52 22.7 D | | | Um iP | 14 13 50.1 |
| | | Ud iP | 23 52 53.1 D | | | Ud iP | 14 14 12.8 |
| | | Japan (h = 15 km). | | | | Mindanao (h = 55 km). | |
| | | m = 5.9 (Up,Ki). | | | | | |
| " | 7 | Up iP | 00 26 33.6 | " | 7 | Ki iP | 15 03 27.0 |
| | | Sk eP | 00 26 29 | | | | micr sec |
| | | Um iP | 00 26 12.6 C | | | P | Z' 0.2 1.7 |
| | | Ud iP | 00 26 40.0 C | | | Ud iP | 15 03 51.6 C |
| | | Japan (h = 70 km). | | | | North of Halmahera (h = 55 km) | |
| " | 7 | Ki eP | 01 05 26 | " | 7 | Um iP | 15 57 33.0 |
| | | Um iP | 01 05 45.6 | | | Japan (h = 15 km). | |
| | | Ud iP | 01 06 14.3 | " | 7 | Ki iP | 17 34 17.6 |
| | | Japan (h = 60 km). | | | | | micr sec |
| " | 7 | Ki iP | 02 13 01.5 | | | P | Z' 0.1 1.4 |
| | | Um iP | 02 13 17.8 | | | Um iP | 17 35 01.1 |
| | | Ud i(pP) | 02 13 55.7 | | | i | 17 35 09.6 |
| | | Japan (h = 60 km). | | | | Ud iP | 17 35 35.5 |
| | | | | | | Greenland Sea (h = N). | |
| " | 7 | Ki e(P) | 05 33 53 | " | 7 | Up iP | 19 29 33.3 C |
| | | Japan (h = 35 km). | | | | | micr sec |
| " | 7 | Sk ePKP | 06 17 27 | | | P | Z' 0.2 0.8 |
| | | Um iPKP | 06 17 22.1 | | | Ki iP | 19 28 39.1 C |
| | | i | 06 17 29.6 | | | | micr sec |
| | | Ud iPKP | 06 17 34.3 | | | P | Z' 0.3 0.9 |
| | | Kermadec Islands (h = 170 km). | | | | Sk iP | 19 29 12.7 C |
| " | 7 | Ki eP | 09 37 24 | | | Um iP | 19 29 05.0 C |
| | | Um iP | 09 37 27.3 | | | Ud iP | 19 29 34.8 C |
| | | Mindanao (h = 70 km). | | | | De iP | 19 29 57.4 C |
| | | | | | | Aleutian Islands (h = N). | |
| | | | | | | m = 6.4 (Up,Ki). | |
| " | 7 | Up | micr sec | " | 7 | Ki iP | 19 37 19.5 |
| | | Mx | E 2.6 22 | | | Japan (h = 70 km). | |
| | | Mx | N 2.4 22 | " | 7 | Up iP | 23 49 22.2 |
| | | Mx | Z 4.7 23 | | | Ki eP | 23 48 45 |
| | | Ki iP | 11 55 24.3 | | | Sk iP | 23 49 17.0 |
| | | | micr sec | | | Um iP | 23 49 00.9 C |
| | | Mx | E 2.2 20 | | | i | 23 49 11.1 |
| | | New Guinea (h = 20 km). | | | | Ud iP | 23 49 29.4 |
| | | M = 5.9 (Up,Ki). | | | | Japan (h = 80 km). | |
| " | 7 | Up iP | 11 57 18.8 C | | | | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|---|---------------------------|--------------|------|---|--------------------------|--------------|
| Dec. | 8 | Ud eP | 00 31 21 | Dec. | 8 | (cont.) | |
| | | Japan (h = 60 km). | | | | Ki ipP | 08 01 38.5 |
| " | 8 | Ki eP | 02 52 40 | | | isP | 08 01 45.6 |
| | | Ud iP | 02 52 51.8 | | | | micr sec |
| | | Andaman Islands (h = N). | | | | P Z' | 0.3 1.0 |
| " | 8 | Um iP | 04 15 32.2 | | | sP Z' | 0.2 1.1 |
| | | ipP | 04 15 43.7 | | | Sk iP | 08 01 42.2 |
| | | Ud iP | 04 15 59.4 | | | ipP | 08 01 52.9 |
| | | Japan. | | | | Um iP | 08 01 25.5 |
| | | h = 45 km (Um). | | | | isP | 08 01 42.4 |
| " | 8 | Up iP | 04 23 33.1 | | | iS | 08 12 01 |
| | | ipP | 04 23 45.4 | | | Ud iP | 08 01 37.7 C |
| | | | micr sec | | | ipP | 08 01 48.3 |
| | | P Z' | 0.1 1.2 | | | isP | 08 01 55.0 |
| | | pP Z' | 0.1 1.3 | | | De iP | 08 01 35.8 C |
| | | Ki iP | 04 22 56.6 | | | ipP | 08 01 45.6 |
| | | ipP | 04 23 09.5 | | | isP | 08 01 53.6 |
| | | | micr sec | | | Sumatra. | |
| | | pP Z' | 0.1 1.2 | | | h = 40 km (Ki,Sk,Ud,De). | |
| | | Um iP | 04 23 13.5 | " | 8 | Ki iP | 08 25 49.1 |
| | | ipP | 04 23 26.0 | | | i | 08 25 53.2 |
| | | Ud iP | 04 23 40.8 | | | Ud iP | 08 26 15.4 |
| | | ipP | 04 23 52.5 | | | i | 08 26 18.8 |
| | | Japan. | | | | Mindanao (h = 70 km). | |
| | | h = 45 km (Up,Ki,Um,Ud). | | " | 8 | Up iP | 09 01 01.0 |
| | | m = 5.7 (Up,Ki). | | | | isP | 09 01 19.6 |
| " | 8 | Ki iP | 04 44 27.3 | | | Ki iP | 09 01 01.4 |
| | | Arctic Ocean (h = 30 km). | | | | isP | 09 01 18.1 |
| " | 8 | De iP | 05 10 19.5 | | | | micr sec |
| | | Tonga-Kermadec Islands | | | | P Z' | 0.1 1.0 |
| | | (h = N). | | | | Sk epP | 09 01 26 |
| " | 8 | Ud iP | 05 44 31.6 | | | Ud iP | 09 01 09.8 |
| " | 8 | De iP | 06 37 05.4 | | | De iP | 09 01 20.7 |
| | | Tonga-Kermadec Islands | | | | Sumatra (h = N). | |
| | | (h = N). | | " | 8 | Ki iP | 09 28 38.0 |
| " | 8 | Ud iP | 07 01 00.1 | | | i | 09 28 50.2 |
| | | De iP | 07 01 10.7 | | | Ud iP | 09 29 02.8 |
| | | Tonga-Kermadec Islands | | | | i | 09 29 14.9 |
| | | (h = N). | | | | Mindanao (h = 90 km). | |
| " | 8 | Up iP | 08 01 27.8 C | " | 8 | Ud iP | 09 44 22.5 |
| | | i(pP) | 08 01 39.7 | | | Mindanao (h = 80 km). | |
| | | | micr sec | " | 8 | Um eP | 09 47 02 |
| | | P Z' | 0.1 1.0 | | | ipP | 09 47 08.0 |
| | | Mx E | 2.2 19 | | | Japan (h = 20 km). | |
| | | Mx N | 2.1 20 | " | 8 | Ki iP | 10 31 14.5 |
| | | Mx Z | 3.0 22 | | | i | 10 31 18.1 |
| | | Ki iP | 08 01 28.6 C | | | Ud iP | 10 31 41.4 |
| | | (cont.) | | | | i | 10 31 48.7 |
| | | | | | | Mindanao (h = 60 km). | |

| | | | | | | | |
|---|---|----------------------------|--------------|------|---|----------------------------|--------------|
| Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary | | | | | | | |
| 1972 | | | | 1972 | | | |
| Dec. | 8 | Ki iP | 10 41 31.3 | Dec. | 8 | (cont.) | |
| | | Mindanao (h = 60 km). | | | | Ki ipP | 18 26 02.4 |
| | | | | | | isP | 18 26 08.0 |
| " | 8 | Ki eP | 10 46 12 | | | | micr sec |
| | | Mindanao (h = 60 km). | | | | P | Z' 0.2 1.1 |
| | | | | | | sP | Z' 0.4 1.5 |
| " | 8 | Ki iP | 10 52 06.8 | | | Mx | E 3.3 17 |
| | | Ud eP | 10 52 31 | | | Mx | N 3.2 18 |
| | | Mindanao (h = 70 km). | | | | Mx | Z 4.3 19 |
| " | 8 | Ki iP | 13 25 51.5 | | | Sk iP | 18 26 05.2 C |
| | | Ud i | 13 26 24.3 | | | isP | 18 26 22.4 |
| | | ipP | 13 26 32.6 | | | Um iP | 18 25 48.4 C |
| | | Mindanao (h = 70 km). | | | | ipP | 18 25 58.0 |
| | | | | | | iS | 18 36 26 |
| " | 8 | Up iP | 17 08 50.6 C | | | Ud iP | 18 26 01.8 C |
| | | | micr sec | | | ipP | 18 26 11.4 |
| | | P | Z' 0.1 1.3 | | | isP | 18 26 19.4 |
| | | Ki iP | 17 08 32.9 C | | | De iP | 18 25 58.9 C |
| | | | micr sec | | | ipP | 18 26 08.6 |
| | | P | Z' 0.1 1.0 | | | Sumatra. | |
| | | Um iP | 17 08 39.0 C | | | h = 35 km (Up,Ki,Sk,Um,Ud, | |
| | | Ud iP | 17 08 59.0 C | | | De). | |
| | | Mindanao (h = 55 km). | | | | m = 6.3, M = 5.9 (Up,Ki). | |
| | | m = 6.1 (Up,Ki). | | " | 8 | Ki iP | 19 51 50.3 |
| " | 8 | Ud iP | 17 41 27.0 | | | Ud iP | 19 52 16.4 |
| | | Mindanao (h = 90 km). | | | | ipP | 19 52 34.8 |
| " | 8 | Up iPKP | 18 20 37.5 | | | Mindanao. | |
| | | Ki e(PKP) | 18 20 17 | | | h = 70 km (Ud). | |
| | | ipPKP | 18 20 28.6 | " | 8 | Up iP2 | 20 30 33.4 |
| | | iSKP | 18 23 03.4 | | | Ki iP1 | 20 30 10.6 |
| | | | micr sec | | | iP2 | 20 30 16.7 |
| | | SKP | Z' 0.2 1.5 | | | ipP | 20 30 31.1 |
| | | Sk i(PKP) | 18 20 28.0 | | | | micr sec |
| | | ipPKP | 18 20 32.1 | | | P2 | Z' 0.1 0.8 |
| | | Um i(PKP) | 18 20 25.4 | | | Sk iP1 | 20 30 31.7 |
| | | ipPKP | 18 20 29.7 | | | iP2 | 20 30 38.1 |
| | | i | 18 20 37.8 | | | Um iP1 | 20 30 16.2 |
| | | iSKP | 18 23 15.6 | | | i | 20 30 27.3 |
| | | Ud iPKP | 18 20 38.6 | | | Ud iP1 | 20 30 35.1 |
| | | iSKP | 18 23 28.2 | | | iP2 | 20 30 41.1 |
| | | De iPKP | 18 20 50.0 D | | | Mindanao (h = 60 km). | |
| | | Fiji Islands (h = 610 km). | | | | In average: P2 - P1 = 6.2 | |
| | | | | | | sec. | |
| " | 8 | Up iP | 18 25 50.9 C | " | 8 | Ki iP | 20 40 08.6 |
| | | ipP | 18 26 01.1 | | | Ud iP | 20 40 35.6 |
| | | iS | 18 36 29 | | | Mindanao. | |
| | | | micr sec | | | Origin time = 20 27 13. | |
| | | P | Z' 0.1 1.0 | " | 8 | Ki iP | 20 48 26.4 |
| | | pP | Z' 0.1 1.0 | " | 8 | Up iP | 20 56 34.2 |
| | | Mx | E 3.2 17 | | | | micr sec |
| | | Mx | N 2.8 22 | | | Mx | E 1.4 18 |
| | | Mx | Z 4.5 22 | | | (cont.) | |
| | | Ki iP | 18 25 51.7 C | | | | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | 8 | (cont.) | | | | 1972 | 9 | (cont.) | | | |
|------|---|---------|---------|------|------------------|------|---|-----------------------|----|---------|----------------------------|
| Dec. | | | Up | | micr sec | Dec. | | Um iP | | | 06 28 18.5 |
| | | | Mx | N | 2.5 20 | | | Japan. | | | |
| | | | Mx | Z | 2.6 21 | | | Origin time = | | | 06 16 59. |
| | | | Ki | iP | 20 56 18.6 | | " | Ki iP | | | 06 40 34.9 |
| | | | | | micr sec | | | Ud iP | | | 06 40 59.8 C |
| | | | P | Z' | 0.1 1.0 | | | Mindanao (h = | | | 90 km). |
| | | | Mx | E | 4.1 21 | | | | | | |
| | | | Um | eP | 20 56 25 | | | | | | |
| | | | Ud | iP | 20 56 43.2 | | " | Up iP | | | 06 55 07.8 |
| | | | | i | 20 56 52.2 | | | iS | | | 07 03 41 |
| | | | | | Mindanao (h = | | | | | | micr sec |
| | | | | | 70 km). | | | P | Z' | 0.2 1.5 | |
| | | | | | M = 5.9 (Up,Ki). | | | Mx | E | 2.0 21 | |
| " | 9 | | Up | iP | 00 21 07.3 | | | Mx | N | 1.8 17 | |
| | | | | i | 00 21 21.6 | | | Mx | Z | 4.7 23 | |
| | | | Ki | iP | 00 20 50.1 | | | Ki iP | | | 06 55 30.1 |
| | | | | ipP | 00 21 07.5 | | | ipP | | | 06 55 39.4 |
| | | | | | micr sec | | | | | | micr sec |
| | | | | pP | Z' 0.1 1.0 | | | P | Z' | 0.2 1.7 | |
| | | | Um | eP | 00 20 56 | | | pP | Z' | 0.2 1.5 | |
| | | | | i | 00 21 09.8 | | | Mx | E | 5.3 21 | |
| | | | Ud | iP | 00 21 14.4 | | | Mx | N | 2.9 18 | |
| | | | | | Mindanao. | | | Mx | Z | 7.1 20 | |
| | | | | | h = 60 km (Ki). | | | Sk iP | | | 06 55 00.6 |
| " | 9 | | De | iP | 01 50 54.9 | | | ipP | | | 06 55 09.6 |
| " | 9 | | Up | iPKP | 03 06 29.3 | | | Um iP | | | 06 55 22.4 |
| | | | Ud | iPKP | 03 06 29.5 | | | ipP | | | 06 55 31.5 |
| | | | | i | 03 06 31.6 | | | iS | | | 07 04 07 |
| " | 9 | | Ki | iP | 05 09 34.5 | | | Ud iP | | | 06 54 54.7 |
| | | | | | micr sec | | | ipP | | | 06 55 04.3 |
| | | | P | Z' | 0.1 1.0 | | | De iP | | | 06 54 50.5 |
| | | | Ud | iP | 05 09 58.8 D | | | ipP | | | 06 54 59.7 |
| | | | | | Mindanao (h = | | | | | | North Atlantic Ocean. |
| | | | | | 70 km). | | | | | | h = 35 km (Ki,Sk,Um,Ud,De) |
| | | | | | | | | | | | m = 6.1, M = 5.7 (Up,Ki). |
| " | 9 | | Ki | iP | 06 16 28.1 | | " | Up iP | | | 07 40 54.0 |
| | | | Um | iP | 06 16 35.2 | | | Ki iP | | | 07 40 37.1 |
| | | | Ud | iP | 06 16 53.2 | | | | | | micr sec |
| | | | | | Mindanao (h = | | | P | Z' | 0.1 1.1 | |
| | | | | | 90 km). | | | Um iP | | | 07 40 42.5 |
| " | 9 | | Up | iP | 06 17 51.0 | | | Ud iP | | | 07 41 03.2 C |
| | | | | | micr sec | | | | | | Mindanao (h = |
| | | | | P | Z' 0.2 1.3 | | | | | | 90 km). |
| | | | Ki | iP | 06 17 15.1 | | " | Up iP | | | 08 57 13.1 C |
| | | | | | micr sec | | | ipP | | | 08 57 19.1 |
| | | | | P | Z' 0.2 1.5 | | | | | | micr sec |
| | | | Sk | iP | 06 17 47.2 | | | pP | Z' | 0.1 0.9 | |
| | | | Um | iP | 06 17 30.6 | | | Sk iP | | | 08 57 52.9 |
| | | | Ud | iP | 06 17 58.1 | | | ipP | | | 08 57 59.6 |
| | | | De | iP | 06 18 12.0 | | | Um iP | | | 08 57 52.8 |
| | | | | | Japan (h = | | | ipP | | | 08 57 59.3 |
| | | | | | 50 km). | | | Ud iP | | | 08 57 21.2 C |
| | | | | | m = 5.9 (Up,Ki). | | | i | | | 08 57 23.8 |
| " | 9 | | Ki | eP | 06 28 04 | | | De iP | | | 08 56 41.8 |
| | | | (cont.) | | | | | Greece. | | | |
| | | | | | | | | h = 25 km (Up,Sk,Um). | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|---|--------------|------|----|--|--------------|
| Dec. | 10 | (cont.) | | Dec. | 10 | (cont.) | |
| | | Sk eSgl | 05 05 41 | | | Ki | micr sec |
| | | Um iSn | 05 03 30.3 | | | P | Z' 0.1 0.7 |
| | | i | 05 03 44.0 | | | i | Z' 0.1 0.9 |
| | | iSgl | 05 04 06.0 | | | Mx | E 9.1 18 |
| | | Ud iSgl | 05 06 35.4 | | | Mx | N 8.9 20 |
| | | Northwest USSR, 67.9°N, 34.1°E. Origin time = 05 00 31. Explosion. | | | | Mx | Z 5.8 17 |
| | | | | | | Sk iP | 18 36 58.7 C |
| | | | | | | i | 18 37 01.0 |
| | | | | | | iPcP | 18 37 28.4 |
| | | | | | | Um iP | 18 36 44.5 C |
| " | 10 | Ud iPKP | 08 18 03.5 C | | | i | 18 36 46.2 |
| | | De iPKP | 08 18 14.6 C | | | i | 18 37 07.0 |
| | | Tonga Islands (h = N). | | | | iPcP | 18 37 19.0 |
| | | | | | | Ud iP | 18 37 15.7 C |
| | | | | | | i | 18 37 17.2 |
| " | 10 | Up iSgl | 09 51 37.5 | | | iPcP | 18 37 38.3 |
| | | Ki i | 09 48 17.8 | | | De iP | 18 37 33.1 C |
| | | i(S*) | 09 48 37.6 | | | i | 18 37 34.9 |
| | | Sk eSgl | 09 51 05.9 | | | Kurile Islands (h = 15 km). m = 6.4, M = 6.1 (Up,Ki). Double P-onsets, 1.9 sec apart. | |
| | | Um iSn | 09 49 00.0 | | | | |
| | | iSgl | 09 49 31.7 | | | | |
| | | Northwest USSR. Explosion. | | | | | |
| " | 10 | Um iSgl | 11 25 26.4 | " | 10 | Um iP | 18 50 08.5 |
| | | | | | | Kurile Islands. | |
| " | 10 | Up iP | 12 18 23.6 | " | 10 | Um iP | 23 48 19.5 |
| | | iPn | 12 18 28.1 | | | | |
| | | | micr sec | | | | |
| | | Pn | Z' 0.1 1.0 | " | 11 | Up iP | 00 33 19.8 |
| | | Ki iPn | 12 20 10.7 | | | Um iP | 00 32 53.5 |
| | | Sk iP | 12 19 06.9 | | | Ud iP | 00 33 26.0 |
| | | iPn | 12 19 17.5 | | | ipP | 00 33 33.1 |
| | | Um iP | 12 19 08.9 | | | Kurile Islands. h = 25 km (Ud). | |
| | | iPn | 12 19 20.8 | | | | |
| | | Ud iP | 12 18 30.2 | " | 11 | Sk iP | 01 23 20.6 |
| | | iPn | 12 18 34.6 | | | | |
| | | De iPn | 12 18 03.0 | " | 11 | Sk iP | 01 35 39.1 |
| | | Greece (h = 70 km). The Pn-phases have bigger amplitudes than the P-phases. | | | | Ud iP | 01 35 02.4 |
| | | | | | | Greece. | |
| " | 10 | Ud eP | 13 19 50 | " | 11 | Up iP | 01 47 35.2 |
| | | | | | | ipP | 01 47 45.0 |
| " | 10 | Um i(P) | 14 35 59.5 | | | Ki iP | 01 47 36.6 |
| | | | | | | ipP | 01 47 45.5 |
| " | 10 | Up iP | 18 37 08.9 C | | | | micr sec |
| | | i | 18 37 10.8 | | | P | Z' 0.1 1.0 |
| | | i | 18 37 22.6 | | | Um iP | 01 47 32.5 |
| | | iPcP | 18 37 35.3 | | | ipP | 01 47 42.0 |
| | | | micr sec | | | Ud iP | 01 47 43.7 |
| | | P | Z' 0.3 0.9 | | | De iP | 01 47 43.7 |
| | | Mx | E 3.3 19 | | | Sumatra. h = 35 km (Up,Ki,Um). | |
| | | Mx | N 8.0 18 | | | | |
| | | Mx | Z 10 18 | " | 11 | Ki iP | 01 49 11.0 C |
| | | Ki iP | 18 36 23.1 C | | | (cont.) | |
| | | i | 18 36 25.0 | | | | |
| | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|-------------------------|--------------|------|----|---|--------------|
| Dec. | 11 | (cont.) | | Dec. | 11 | Ki iP | 11 30 48.7 C |
| | | Ki | micr sec | | | Ud iP | 11 31 14.4 |
| | | P | Z' 0.1 1.0 | | | Mindanao (h = 60 km). | |
| | | Um iP | 01 49 06.1 C | | | | |
| | | Ud iP | 01 49 16.4 | " | 11 | Um i | 12 14 17.2 |
| | | De iP | 01 49 18.2 C | | | iSgl | 12 14 20.9 |
| | | Sumatra. | | | | Western USSR. Explosion. | |
| " | 11 | Ki iP | 02 12 28.4 | " | 11 | Up iSn | 12 52 38.5 |
| | | Ud iP | 02 12 36.1 | | | iSgl | 12 52 52.1 |
| " | 11 | Ud iP | 02 16 26.1 | | | Um iSgl | 12 53 25.4 |
| | | Kurile Islands (h = N). | | | | Esthonia. Explosion. | |
| " | 11 | Ud iP | 02 36 29.7 | " | 11 | Ki i(Sgl) | 13 40 36.4 |
| " | 11 | Sk iP | 02 39 26.9 | | | Ud iPgl | 13 36 25.5 |
| " | 11 | Up iP | 02 41 15.4 | | | iSgl | 13 37 11.5 |
| | | Ki iP | 02 40 56.9 | | | Southwest Norway, 59.8°N, 6.8°E. | |
| | | Um iP | 02 41 02.5 | | | Origin time = 13 35 23. | |
| | | Ud iP | 02 41 21.5 | | | By combination with Bergen and Kongsberg readings. | |
| | | Mindanao (h = 100 km). | | " | 11 | Up eP | 13 52 48 |
| " | 11 | Ud iP | 02 50 34.3 | | | Ud iP | 13 53 00.8 |
| | | Talau Islands (h = N). | | | | Greece. | |
| " | 11 | Ud eP | 04 26 17 | " | 11 | Um iP | 14 17 00.7 C |
| | | Greece. | | " | 11 | Ki iPn | 15 09 23.3 |
| " | 11 | Up iP | 05 12 46.0 | | | iSn | 15 10 10.0 |
| | | micr sec | | | | iS* | 15 10 23.8 |
| | | P | Z' 0.1 1.3 | | | Sk iSgl | 15 13 13.4 |
| | | Ki iP | 05 12 29.3 | | | Um i | 15 11 36.3 |
| | | micr sec | | | | iSgl | 15 11 59.4 |
| | | P | Z' 0.1 1.0 | | | iSg2 | 15 12 07.7 |
| | | Um iP | 05 12 34.9 | | | Northwest USSR-Norway border region, 69.7°N, 30.2°E. | |
| | | Ud iP | 05 12 53.4 | | | Origin time = 15 08 22. | |
| | | Mindanao (h = 70 km). | | | | Explosion. | |
| | | m = 6.1 (Up,Ki). | | " | 11 | Ki iP | 15 35 11.7 |
| " | 11 | Ki eP | 05 14 27 | | | Ud iP | 15 35 34.7 |
| | | Ud iP | 05 14 49.6 | | | Luzon (h = N). | |
| | | (Mindanao). | | " | 11 | Ki eSgl | 16 56 09 |
| " | 11 | De iP | 05 48 40.9 | | | Um iSgl | 16 56 04.8 |
| " | 11 | Up iP | 06 11 37.4 | " | 11 | Up eP | 17 41 04 |
| | | Sk iP | 06 11 33.9 | | | Ki eP | 17 40 29 |
| | | Um iP | 06 11 18.0 | | | Um iP | 17 40 41.0 |
| | | Ud iP | 06 11 45.2 | | | i | 17 40 44.4 |
| | | Japan (h = 55 km). | | | | Ud iP | 17 41 08.0 |
| " | 11 | Ki iP | 08 09 19.8 | | | Japan (h = 70 km). | |
| | | Ud iP | 08 10 11.6 | " | 11 | Um iP | 18 02 28.8 |
| " | 11 | Um eP | 09 21 57 | | | | |
| | | Japan (h = N). | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| | | | | | | | | | |
|------|----|--|------|--------------|------|----|--|------|--------------|
| 1972 | | | | | 1972 | | | | |
| Dec. | 12 | (cont.) | | | Dec. | 13 | Sk | iP | 03 03 55.1 |
| | | Um | i | 11 01 48.1 | | | Ud | iP | 03 03 24.3 C |
| | | Ud | iP | 11 02 12.3 C | | | De | iP | 03 02 39.1 C |
| | | Japan (h = 80 km). | | | | | Greece-Bulgaria (h = 30 km). | | |
| " | 12 | Up | iSgl | 13 01 39.0 | " | 13 | Ki | iSKP | 05 01 50.4 |
| | | Um | iSgl | 13 02 30.6 | | | Fiji Islands (h = 610 km). | | |
| | | Esthonia. Explosion. | | | " | 13 | Up | iSn | 13 36 21.2 |
| " | 12 | Sk | iP | 14 05 55.5 | | | | iSgl | 13 36 34.1 |
| | | | | | | | Ki | iSgl | 13 39 06.1 |
| " | 12 | Sk | iP | 14 57 01.8 | | | Sk | iSgl | 13 38 27.3 |
| | | | | | | | Um | iSgl | 13 37 08.1 |
| " | 12 | Ud | i(P) | 16 26 43.9 D | | | Ud | iSgl | 13 37 38.9 |
| | | | | | | | De | iSgl | 13 38 03.2 |
| " | 12 | Up | ipP | 16 58 47.4 | | | Esthonia, 59.5°N, 24.9°E. Origin time = 13 34 37. Explosion. | | |
| | | Ki | iP | 16 58 31.2 | | | | | |
| | | | ipP | 16 58 47.8 | | | | | |
| | | | | micr sec | " | 13 | Ki | iP | 14 37 53.7 |
| | | | pP | Z' 0.1 0.9 | | | | | |
| | | Um | ipP | 16 58 42.5 | | | Ki | iP | 15 35 22.7 |
| | | Sumatra. h = 60 km (Ki). | | | | | Mariana Islands (h = 200 km). | | |
| " | 12 | Up | iP | 18 00 09.2 C | " | 13 | Up | iP | 16 13 01.8 |
| | | | | micr sec | | | | | micr sec |
| | | | P | Z' 0.1 1.3 | | | | P | Z' 0.1 1.0 |
| | | Ki | iP | 17 59 51.3 C | | | Ki | iP | 16 12 08.3 |
| | | | | micr sec | | | Sk | eP | 16 12 42 |
| | | | P | Z' 0.1 1.0 | | | Um | iP | 16 12 33.5 |
| | | Mx | N | 3.0 22 | | | Ud | iP | 16 13 03.0 |
| | | Sk | iP | 18 00 12.7 C | | | De | iP | 16 13 24.1 |
| | | Um | iP | 17 59 55.6 C | | | Aleutian Islands (h = N). | | |
| | | Ud | iP | 18 00 16.9 C | " | 13 | Ki | eP | 23 04 10 |
| | | Mindanao (h = 5 km). m = 6.1 (Up,Ki). | | | | | Negros (h = 140 km). | | |
| " | 12 | Sk | i(P) | 18 01 59.4 | " | 14 | Ki | iP | 05 13 09.3 |
| | | | | | | | North Atlantic Ocean (h = N). | | |
| " | 12 | Ki | iP | 18 13 42.8 | " | 14 | Up | iP | 05 52 00.3 D |
| | | Ud | iP | 18 14 07.4 | | | | | |
| | | | i | 18 14 11.0 | | | | | |
| | | Mindanao (h = 40 km). | | | " | 14 | Ud | iP | 07 09 30.0 |
| " | 12 | Ud | iPKP | 20 06 59.0 C | " | 14 | Up | iP | 08 53 39.4 C |
| | | De | iPKP | 20 07 10.2 C | | | Ki | eP | 08 52 58 |
| | | Tonga-Kermadec Islands (h = 490 km). | | | | | Um | iP | 08 53 13.1 C |
| | | | | | | | Ud | iP | 08 53 45.2 C |
| " | 12 | Ki | iPgl | 20 41 12.5 | | | Japan (h = 70 km). | | |
| | | | iSgl | 20 41 32.5 | " | 14 | De | iPKP | 08 56 46.8 |
| " | 13 | Ki | iP | 02 51 00.7 C | | | Fiji Islands (h = 450 km). | | |
| | | Ud | iP | 02 51 29.0 C | | | | | |
| | | Mindanao (h = 50 km). | | | " | 14 | Ki | iPn | 10 58 20.1 |
| | | | | | | | | iSn | 10 59 08.1 |
| | | | | | | | | iSgl | 10 59 24.2 |
| | | | | | | | (cont.) | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|--|--|------|----|--|--|
| Dec. | 14 | (cont.) Northwest USSR-Norway border region. Origin time = 10 57 17. Explosion. | | Dec. | 14 | (cont.) Ud iPP 21 05 21.8 De iP 21 01 58.5 ipP 21 02 08.6 Indian Ocean. h = 40 km (Up,Ki,Sk,Ud,De). | |
| " | 14 | Ki iP 11 33 42.6 Mindanao (h = 70 km). | | " | 15 | Up iP 02 03 41.4 i 02 03 44.7 ipP 02 03 58.3 Ki iP 02 03 04.9 Sk eP 02 03 40 i 02 03 43.3 Um iP 02 03 20.8 i 02 03 24.8 ipP 02 03 40.4 Ud iP 02 03 49.5 i 02 03 52.6 ipP 02 04 06.7 De iP 02 04 06.2 Japan. h = 55 km (Up,Um,Ud). Double P at Up,Sk,Um, Ud, in average 3.5 sec apart. The focal depth is calculated from the later, bigger onsets. | |
| " | 14 | Up iPKP 13 42 32.1 Um iPKP 13 42 23.6 Ud iPKP 13 42 33.6 i 13 42 36.7 South of Kermadec Islands (h = N). | | " | 15 | Up iP 06 27 05.8 micr sec P Z' 0.1 1.0 Sk iP 17 55 55.4 Um i 17 56 01.1 i 17 56 31.6 Ud iP 17 55 21.5 C i 17 55 23.1 i 17 55 30.6 De iP 17 54 45.0 i 17 54 50.3 Greece (h = 10 km). | |
| " | 14 | Ki ePKP 13 50 43 Um iPKP 13 50 47.9 Ud iPKP 13 50 59.0 South of Kermadec Islands (h = 30 km). | | " | 15 | Ki iP 06 26 28.5 Sk iP 06 27 02.3 Um iP 06 26 45.9 D Ud iP 06 27 13.7 D De iP 06 27 27.1 Japan (h = 35 km). | |
| " | 14 | Ki i(P) 17 42 12.3 | | " | 15 | Ki iP 08 30 19.9 Um iP 08 30 23.8 Ud iP 08 30 39.2 i 08 30 45.6 Mindanao (h = 60 km). | |
| " | 14 | Up iP 17 55 14.5 C i 17 55 25.8 micr sec P Z' 0.1 1.0 Sk iP 17 55 55.4 Um i 17 56 01.1 i 17 56 31.6 Ud iP 17 55 21.5 C i 17 55 23.1 i 17 55 30.6 De iP 17 54 45.0 i 17 54 50.3 Greece (h = 10 km). | | " | 15 | Ud iPKP 10 09 40.2 De iPKP 10 09 49.7 | |
| " | 14 | Ud iP 20 26 01.5 | | " | 15 | Ud eP 11 01 37 Mindanao (h = 70 km). | |
| " | 14 | Up iP 21 01 52.3 ipP 21 02 02.2 micr sec pP Z' 0.2 1.1 Ki iP 21 01 59.6 ipP 21 02 10.0 iPP 21 05 18.4 micr sec pP Z' 0.1 1.1 Sk iP 21 02 10.0 ipP 21 02 20.5 Um ipP 21 02 03.3 i 21 02 36.7 i 21 03 10.5 Ud iP 21 02 02.5 ipP 21 02 13.1 i 21 03 15.2 (cont.) | | " | 15 | De i(P) 11 09 13.6 | |
| " | 14 | Up iP 21 01 52.3 ipP 21 02 02.2 micr sec pP Z' 0.2 1.1 Ki iP 21 01 59.6 ipP 21 02 10.0 iPP 21 05 18.4 micr sec pP Z' 0.1 1.1 Sk iP 21 02 10.0 ipP 21 02 20.5 Um ipP 21 02 03.3 i 21 02 36.7 i 21 03 10.5 Ud iP 21 02 02.5 ipP 21 02 13.1 i 21 03 15.2 (cont.) | | " | 15 | Ki iSgl 11 46 05.1 Um eSgl 11 46 49 Northwest USSR. Explosion. | |
| " | 14 | Up iP 21 01 52.3 ipP 21 02 02.2 micr sec pP Z' 0.2 1.1 Ki iP 21 01 59.6 ipP 21 02 10.0 iPP 21 05 18.4 micr sec pP Z' 0.1 1.1 Sk iP 21 02 10.0 ipP 21 02 20.5 Um ipP 21 02 03.3 i 21 02 36.7 i 21 03 10.5 Ud iP 21 02 02.5 ipP 21 02 13.1 i 21 03 15.2 (cont.) | | " | 15 | Up iSgl 13 17 53.4 (cont.) | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | | | |
|------|----|----------------------------|------|------------|----|--|------|-------------------------------------|------------|------------|-----|
| Dec. | 15 | (cont.) | | Dec. | 16 | Up | iP | 04 59 56.3 | | | |
| | | Sk | iSgl | | | Ki | eP | 04 59 02 | | | |
| | | Ud | e | | | Um | iP | 04 59 31.5 | | | |
| | | | iS* | | | Ud | iP | 04 59 58.7 | | | |
| | | | iSgl | | | De | iP | 05 00 21.7 | | | |
| | | De | iSn | | | Aleutian Islands (h = 40 km). | | | | | |
| | | | iSgl | | | | | | | | |
| | | North Sea, 57.0°N, 3.5°E. | | | | " | 16 | Up | iSgl | 10 11 24.8 | |
| | | Origin time = 13 13 45. | | | | | | Sk | iS* | 10 11 07.9 | |
| | | | | | | | | | iSgl | 10 11 10.8 | |
| " | 15 | Up | iP | 14 52 31.7 | | Um | iPgl | 10 09 31.6 | D | | |
| | | | ipP | 14 52 47.7 | | | iSg2 | 10 09 33.6 | | | |
| | | Um | iP | 14 52 05.4 | | | iRg | 10 09 35.6 | | | |
| | | | ipP | 14 52 22.6 | | Ud | iSgl | 10 11 44.9 | | | |
| | | Ud | iP | 14 52 38.5 | | De | iSgl | 10 13 24.8 | | | |
| | | De | iP | 14 52 56.9 | | Västerbotten, Sweden, 63.6°N, 19.9°E. | | | | | |
| | | Kurile Islands. | | | | Origin time = 10 09 29. | | | | | |
| | | h = 60 km (Up,Um). | | | | Felt. | | | | | |
| " | 15 | Ud | iP | 15 59 05.9 | | " | 16 | Up | iPKP | 11 48 57.0 | C |
| | | Mindanao. | | | | | | iPKKP | 11 59 15.5 | | |
| " | 15 | De | iP | 16 32 18.8 | | | | | micr | sec | |
| " | 15 | Ud | eP | 18 01 28 | | Ki | iPKP | Z' | 0.1 | 0.8 | |
| | | | i | 18 01 42.3 | | | | | micr | sec | |
| | | De | iP | 18 00 50.1 | | | | PKP | Z' | 0.1 | 0.9 |
| | | | i | 18 01 02.0 | | Sk | iPKP | | 11 48 56.3 | C | |
| | | Crete (h = N). | | | | Um | iPKP | | 11 48 50.8 | C | |
| " | 15 | Up | iP | 18 06 51.0 | | | | iPKKP | 11 59 33.9 | | |
| | | Aleutian Islands (h = N). | | | | Ud | iPKP | | 11 49 00.0 | C | |
| " | 15 | Up | e | 20 00 07 | | | | iPKKP | 11 59 10.5 | | |
| | | Ki | iP | 19 58 31.9 | | De | iPKP | | 11 49 05.5 | C | |
| | | Sk | iP | 19 59 14.4 | | | | iPKKP | 11 59 02.8 | | |
| | | Um | iP | 19 59 16.7 | | | | Solomon Islands (h = 80 km). | | | |
| | | | i | 19 59 23.3 | | " | 16 | De | iPKP | 13 55 04.3 | |
| | | Ud | iP | 19 59 51.8 | | | | Santa Cruz Islands (h = 170 km). | | | |
| | | | iPP | 20 00 21.9 | | " | 16 | Ud | eP | 14 55 41 | |
| | | De | iP | 20 00 25.2 | | " | 16 | Up | iPKP | 20 48 03.4 | |
| | | Greenland Sea (h = N). | | | | | | Ud | iPKP | 20 48 04.3 | |
| " | 16 | Up | iPKP | 02 20 51.4 | | | | De | iPKP | 20 48 15.5 | |
| | | Ud | iPKP | 02 20 53.6 | | | | Tonga Islands (h = 60 km). | | | |
| | | De | iPKP | 02 21 03.7 | | " | 16 | Um | i(P) | 21 18 05.6 | |
| " | 16 | Up | iP | 02 34 20.1 | | | | Ud | iP | 21 17 15.1 | |
| | | Ki | iP | 02 33 44.4 | | | | Greece. | | | |
| | | | i | 02 33 53.5 | | " | 16 | Ud | eP | 21 58 36 | |
| | | Um | iP | 02 33 59.6 | | " | 16 | Ud | iP | 22 55 01.1 | |
| | | | i | 02 34 06.3 | | " | 16 | Up | iP | 23 03 46.1 | |
| | | Ud | iP | 02 34 27.1 | | | | | | | |
| | | De | iP | 02 34 40.8 | | | | | | | |
| | | Japan (h = N). | | | | | | | | | |
| " | 16 | De | iPKP | 04 24 10.6 | | | | | | | |
| | | Fiji Islands (h = 560 km). | | | | | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Dec. 16 Up iP 23 05 58.1
 i(Pn) 23 06 20.4
 Ki iP 23 04 37.4
 iPn 23 04 51.6
 micr sec
 Pn Z' 0.1 1.0
 Sk eP 23 05 25
 Um iP 23 05 25.2
 De iP 23 06 27.4
 Arctic Ocean (h = N).

" 17 Up iP 00 01 39.8 C
 Ki iP 00 01 23.0 C
 ipP 00 01 32.8
 micr sec
 pP Z' 0.1 1.2
 Um iP 00 01 28.5 C
 Ud iP 00 01 48.4
 ipP 00 01 58.1
 Mindanao.
 h = 40 km (Ki,Ud).

" 17 Um i(P) 00 10 30.7

" 17 Up iP 00 25 25.1 C
 ipP 00 25 37.5
 Ki iP 00 25 07.5 C
 ipP 00 25 19.1
 micr sec
 P Z' 0.1 0.8
 Sk iP 00 25 29.9 C
 Um iP 00 25 13.2 C
 ipP 00 25 26.6
 Ud iP 00 25 33.1 C
 ipP 00 25 45.7
 De iP 00 25 39.9 C
 i(pP) 00 25 49.8
 Mindanao.
 h = 45 km (Up,Ki,Um,Ud).

" 17 Up iP 00 29 31.5
 iPcP 00 29 56.7
 micr sec
 P Z' 0.1 1.1
 Mx E 6.9 20
 Mx N 14 18
 Mx Z 13 18
 Ki iP 00 28 44.2
 micr sec
 P Z' 0.1 1.1
 Mx E 12 18
 Mx N 11 19
 Mx Z 9.6 18
 Sk iP 00 29 21.3 C
 Um iP 00 29 06.3 C
 Ud iP 00 29 37.3 C
 ipP 00 29 49.2
 (cont.)

1972

Dec. 17 (cont.)
 De iP 00 29 56.4 C
 iPcP 00 30 11.9
 Kurile Islands.
 h = 45 km (Ud).
 m = 6.0, M = 6.3 (Up,Ki).

" 17 Up iP 00 43 22.1
 Um iP 00 42 57.4
 Ud iP 00 43 28.0
 Kurile Islands (h = N).

" 17 Up eP 00 52 25
 Um iP 00 52 00.7
 Ud iP 00 52 31.6
 Kurile Islands.
 Origin time = 00 41 28.

" 17 Up iP 01 18 25.2
 Ki iP 01 18 07.9
 Um iP 01 18 13.8
 Ud iP 01 18 33.5 C
 Mindanao.
 Origin time = 01 05 12.

" 17 Up iP 01 29 16.2
 Um iP 01 28 50.9
 Ud iP 01 29 22.2
 De eP 01 29 43
 Kurile Islands (h = N).

" 17 Up iP 01 33 41.2
 Um iP 01 33 16.2
 Ud eP 01 33 47
 Kurile Islands.
 Origin time = 01 22 44.

" 17 Um iP 01 36 38.8
 Ud iP 01 37 10.0
 Kurile Islands (h = N).

" 17 Um iP 02 25 04.1
 Kurile Islands.

" 17 Up iP 03 28 42.2
 Ki iP 03 28 25.1 D
 Um iP 03 28 30.7
 Ud iP 03 28 50.1 D
 Mindanao (h = N).

" 17 Up iP 03 57 25.3
 Ki iP 03 56 48.8
 Sk eP 03 57 21
 Um iP 03 57 04.8
 Ud iP 03 57 32.5
 Japan (h = 150 km).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | | 1972 | | | | | | |
|------|----|---|-------|--------------|------|----|---|-------|---|------------|--------------|
| Dec. | 17 | Um | iP | 03 57 19.5 C | Dec. | 17 | (cont.) | | | | |
| | | Ud | iP | 03 57 48.0 C | | | Ud | iPKP1 | 08 58 14.6 | | |
| " | 17 | Ud | iP | 04 44 05.7 | | | South of Kermadec Islands (h = 45 km). | | | | |
| " | 17 | Up | iSg1 | 05 04 10.2 | " | 17 | Up | ePKP1 | 09 39 51 | | |
| | | Ki | iPn | 04 59 54.5 | | | Um | iPKP1 | 09 39 39.1 | | |
| | | | iSn | 05 00 53.3 | | | Ud | ePKP1 | 09 39 51 | | |
| | | | iSg1 | 05 01 18.0 | | | South of Kermadec Islands. Origin time = 09 20 03. | | | | |
| | | Sk | iSg1 | 05 03 41.0 | | | " | 17 | Um | iP | 09 49 45.5 |
| | | Um | i | 05 01 56.9 | | | | | Ud | iP | 09 50 16.8 |
| | | | iSg1 | 05 02 09.3 | | | " | 17 | Up | iPKP1 | 10 12 34.0 |
| | | Ud | iSg1 | 05 04 41.6 | | | | | iPKP2 | 10 12 42.5 | |
| | | De | iSg1 | 05 06 14.8 | | | | | i | 10 12 57.6 | |
| | | Northwest USSR, 67.8°N, 34.0°E. Origin time = 04 58 36. Explosion. | | | | | | | Ki | ePKP1 | 10 12 13 |
| " | 17 | Up | iP | 05 56 58.1 | | | | | Sk | iPKP1 | 10 12 29.1 |
| | | Um | iP | 05 56 33.5 | | | | | Um | iPKP1 | 10 12 21.7 |
| | | Ud | iP | 05 57 04.6 | | | | | i | 10 12 23.3 | |
| | | Kurile Islands (h = N). | | | | | | | i | 10 12 37.8 | |
| " | 17 | Um | iP | 06 19 46.9 | | | | | Ud | iPKP1 | 10 12 34.1 |
| " | 17 | Up | iP | 06 35 51.6 | | | | | i | 10 12 36.5 | |
| | | Ki | eP | 06 35 09 | | | | | De | iPKP1 | 10 12 44.0 |
| | | Um | iP | 06 35 28.3 | | | | | South of Kermadec Islands (h = 50 km). | | |
| | | Ud | iP | 06 35 58.6 | | | " | 17 | Up | iP | 12 50 04.2 |
| | | Kurile Islands (h = N). | | | | | | | i | 12 50 10.9 | |
| " | 17 | Ki | iP | 07 40 00.0 | | | | | Ki | iP | 12 51 09.1 |
| " | 17 | Um | iP | 08 20 39.8 | | | | | | | micr sec |
| | | Ud | eP | 08 21 00 | | | | | Mx | N | 1.0 14 |
| " | 17 | Up | ePKP1 | 08 52 25 | | | | | Mx | Z | 1.1 15 |
| | | | iPKP2 | 08 52 34.7 | | | | | Sk | iP | 12 50 41.3 |
| | | Sk | iPKP1 | 08 52 21.3 | | | | | Um | iP | 12 50 33.7 |
| | | Um | iPKP1 | 08 52 15.6 | | | | | Ud | iP | 12 50 10.6 |
| | | Ud | iPKP1 | 08 52 28.0 | | | | | i | 12 50 19.8 | |
| | | South of Kermadec Islands. Origin time = 08 32 39. | | | | | | | i | 12 50 26.6 | |
| " | 17 | Up | ePKP1 | 08 57 13 | | | | | iPP | 12 50 58.6 | |
| | | | iPKP2 | 08 57 21.1 | | | | | De | iP | 12 49 37.5 |
| | | Sk | ePKP1 | 08 57 04 | | | | | Crete (h = 35 km). | | |
| | | Um | iPKP1 | 08 57 02.5 | | | " | 17 | Ud | iP | 12 56 42.9 |
| | | Ud | iPKP1 | 08 57 14.5 | | | " | 17 | Ud | iP | 12 59 50.9 |
| | | South of Kermadec Islands. Origin time = 08 37 25. | | | | | " | 17 | Up | iP | 16 35 54.8 |
| " | 17 | Up | ePKP1 | 08 58 15 | | | | | Um | iP | 16 35 33.2 C |
| | | | iPKP2 | 08 58 24.3 | | | | | ipP | 16 35 42.1 | |
| | | Sk | iPKP1 | 08 58 05.6 | | | | | Ud | iP | 16 36 02.2 C |
| | | Um | iPKP1 | 08 58 01.9 | | | | | ipP | 16 36 11.2 | |
| | | (cont.) | | | | | | | Japan. h = 35 km (Um,Ud). | | |
| " | 17 | Um | iP | 16 47 03.6 | | | " | 17 | Um | iP | 16 47 03.6 |
| | | Ud | iP | 16 47 26.0 | | | | | Ud | iP | 16 47 26.0 |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | |
|------|----|----|---------|----------------------------|------|----|--------------------|----------------------|
| Dec. | 17 | Up | ePKP | 18 19 29 | Dec. | 18 | (cont.) | |
| | | Sk | ePKP | 18 19 28 | | | Ud iP | 00 04 52.4 |
| | | Um | iPKP | 18 19 23.6 C | | | Japan (h = 40 km). | |
| | | Ud | iPKP | 18 19 32.0 C | " | 18 | Um iP | 00 08 55.4 |
| | | De | iPKP | 18 19 37.8 C | | | Ud e(P) | 00 09 28 |
| | | | | New Ireland (h = 45 km). | | | Japan (h = 30 km). | |
| " | 17 | Um | eP | 18 49 14 | " | 18 | Um iP | 01 24 11.5 |
| | | Ud | eP | 18 48 46 | | | i | 01 24 16.9 |
| " | 17 | Sk | eP | 18 57 08 | " | 18 | Up iP | 01 30 48.8 C |
| | | Um | iP | 18 57 21.3 | | | P | Z' 0.1 1.0 |
| | | | i | 18 57 34.5 | | | Ki iP | 01 31 31.0 C |
| | | Ud | eP | 18 56 50 | | | P | Z' 0.1 1.3 |
| | | | | North of Ascension Island | | | Sk iP | 01 31 12.6 C |
| | | | | (h = N). | | | Um iP | 01 31 09.2 C |
| " | 17 | Up | ePKP | 19 32 21 | | | Ud iP | 01 30 52.2 C |
| | | Um | iPKP | 19 32 06.4 C | | | De iP | 01 30 32.1 C |
| | | Ud | iPKP | 19 32 19.9 | | | Zambia (h = 2 km). | |
| " | 17 | Up | iP | 21 03 51.5 | | | m = 5.9 (Up,Ki). | |
| | | | | micr sec | | | | |
| | | | P | Z' 0.1 1.5 | " | 18 | Up eP | 01 54 46 |
| | | Ki | iP | 21 04 35.5 | | | Ud iP | 01 54 50.9 |
| | | | iX | 21 04 55.1 | | | | Kurile Islands. |
| | | | | micr sec | " | 18 | Um iP | 02 48 28.1 |
| | | | P | Z' 0.1 1.5 | | | Zambia (h = N). | |
| | | | X | Z' 0.1 1.4 | " | 18 | Ki eP | 03 02 29 |
| | | Sk | iP | 21 04 02.5 | | | Ud iP | 03 03 25.7 |
| | | | iX | 21 04 21.1 | | | | Alaska (h = 170 km). |
| | | Um | iP | 21 04 16.3 | " | 18 | Ud iP | 04 31 47.6 |
| | | | iX | 21 04 34.6 | | | De iP | 04 31 16.7 |
| | | Ud | iP | 21 03 44.6 | | | | Crete. |
| | | | i | 21 03 47.8 | " | 18 | Ki eP | 05 57 30 |
| | | | iX | 21 04 03.0 | " | 18 | Ki iP | 06 45 52.6 |
| | | | | North of Ascension Island | | | ipP | 06 46 10.0 |
| | | | | (h = N). | | | Mindanao. | |
| | | | | m = 5.7 (Up,Ki). | | | h = 70 km (Ki). | |
| | | | | Interpreting X at Ki,Sk, | " | 18 | Up iPKP | 07 11 56.6 |
| | | | | Um,Ud as pP would imply | | | iSKP | 07 14 45.6 |
| | | | | a focal depth of 70 km. | | | ipp | 07 15 06.7 |
| " | 17 | Um | eP | 21 17 30 | | | | micr sec |
| | | Ud | iP | 21 16 58.7 | | | Ki PP | Z' 0.1 1.2 |
| | | | | North of Ascension Island. | | | iPKP | 07 11 39.0 |
| | | | | Origin time = 21 06 17. | | | i | 07 11 47.6 |
| " | 17 | Ud | iP | 21 43 34.5 | | | iSKP | 07 14 24.2 |
| " | 17 | Um | iPKP | 21 43 56.6 | | | | micr sec |
| | | Ud | iPKP | 21 44 06.1 | | | SKP | Z' 0.5 1.9 |
| " | 17 | Ud | iP | 22 45 14.0 | | | Sk iPKP | 07 11 48.5 |
| " | 18 | Up | iP | 00 04 45.3 | | | (cont.) | |
| | | Um | iP | 00 04 21.6 | | | | |
| | | | (cont.) | | | | | |

Up = Uppsåla, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|---------------------------|-------------------|------|----|--|-----------------|
| Dec. | 18 | (cont.) | | Dec. | 18 | (cont.) | |
| | | Sk | i 07 11 58.5 | | | Up | ipP 14 10 02.3 |
| | | | iSKP 07 14 40.1 | | | | iX 14 10 15.2 |
| | | | iPP 07 14 49.0 | | | | iPP 14 13 14.0 |
| | | Um | iPKP 07 11 44.2 | | | | iS 14 20 29 |
| | | | i 07 11 56.0 | | | | micr sec |
| | | | iSKP 07 14 35.4 | | | P | Z' 0.2 1.2 |
| | | Ud | iPKP 07 11 57.8 | | | Mx | E 1.7 22 |
| | | | iSKP 07 14 48.2 | | | Mx | N 2.5 20 |
| | | De | iPKP 07 12 09.2 | | | Mx | Z 3.3 22 |
| | | | i 07 12 09.8 | | | Ki | iP 14 09 50.3 C |
| | | | ipPKP 07 14 26.0 | | | | i 14 09 52.9 |
| | | | iSKP 07 14 56.8 | | | | ipP 14 10 02.2 |
| | | Tonga-Kermadec Islands. | | | | | iX 14 10 13.6 |
| | | h = 620 km (De). | | | | | iPP 14 13 12.9 |
| " | 18 | Um | i(P) 07 17 27.7 | | | | i 14 13 51.0 |
| | | | | | | | iS 14 20 30 |
| | | | | | | | micr sec |
| " | 18 | Um | iP 07 56 17.5 | | | P | Z' 0.3 1.2 |
| | | | | | | Mx | E 2.5 16 |
| " | 18 | Ki | iP 10 16 00.8 | | | Mx | N 2.9 18 |
| | | Um | iP 10 16 07.5 | | | Mx | Z 3.0 19 |
| | | Ud | iP 10 16 25.0 | | | Sk | iP 14 10 03.6 C |
| | | Mindanao (h = N). | | | | | i 14 10 06.2 |
| | | | | | | | i 14 10 13.7 |
| " | 18 | Up | iP 11 31 05.8 C | | | | iX 14 10 30.2 |
| | | | ipP 11 31 25.8 | | | Um | iP 14 09 46.9 C |
| | | Ki | iP 11 31 01.0 C | | | | i 14 09 49.4 |
| | | | iPcP 11 31 32.0 | | | | ipP 14 09 58.9 |
| | | Sk | iP 11 31 21.7 C | | | | iS 14 20 25 |
| | | | i 11 31 31.8 | | | Ud | iP 14 09 59.3 C |
| | | | ipP 11 31 40.7 | | | | i 14 10 01.8 |
| | | Um | iP 11 30 59.3 C | | | | ipP 14 10 12.4 |
| | | | ipP 11 31 19.2 | | | | iX 14 10 24.7 |
| | | Ud | iP 11 31 18.4 | | | | iPP 14 13 33.1 |
| | | | ipP 11 31 38.9 | | | De | iP 14 09 57.7 C |
| | | De | iP 11 31 19.3 | | | | i 14 10 00.3 |
| | | Burma. | | | | | ipP 14 10 09.5 |
| | | h = 80 km (Up,Sk,Um,Ud). | | | | | iX 14 10 24.4 |
| | | | | | | | iPP 14 13 35.1 |
| " | 18 | Ud | iP 11 58 51.0 | | | Sumatra. | |
| " | 18 | De | i(Sgl) 13 30 29.1 | | | h = 45 km (Up,Ki,Um,Ud,De). | |
| | | | iRg 13 30 34.4 | | | m = 6.4, M = 5.8 (Up,Ki). | |
| | | | | | | Double P-onsets, 2.6 sec apart. | |
| " | 18 | Up | iSn 13 34 06.8 | | | The phase X could possibly be interpreted as sP. | |
| | | | iSgl 13 34 21.6 | | | | |
| | | Sk | iSgl 13 36 11.8 | | | " | 18 |
| | | Um | iSgl 13 34 54.0 | | | Up | iP 16 35 36.0 |
| | | Ud | eSgl 13 35 26 | | | Um | iP 16 35 15.7 |
| | | De | iSgl 13 35 51.9 | | | | i 16 35 33.9 |
| | | Esthonia, 59.5°N, 25.0°E. | | | | Ud | iP 16 35 43.8 |
| | | Origin time = 13 32 24. | | | | Japan (h = 45 km). | |
| | | Explosion. | | | | | |
| " | 18 | Up | iP 14 09 49.8 C | | | " | 18 |
| | | | i 14 09 52.3 | | | Up | iP 23 38 51.9 C |
| | | (cont.) | | | | Um | iP 23 38 31.1 C |
| | | | | | | Ud | iP 23 38 59.1 C |
| | | | | | | Japan (h = 10 km). | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|-------------------------------|--------------|------|----|------------------------|--------------|
| Dec. | 19 | Um iPKP | 00 30 37.4 | Dec. | 19 | (cont.) | |
| | | New Britain (h = 60 km). | | | | Um iPKP | 14 58 03.9 C |
| | | Ud iPKP | | | | Ud iPKP | 14 58 15.6 C |
| " | 19 | Um i | 06 12 03.7 | " | 19 | Ud iPKP | 15 03 59.4 |
| | | i | 06 12 10.4 | | | i | 15 04 05.6 |
| | | Ud iP | 06 12 22.5 | | | De iPKP | 15 04 10.1 |
| | | Japan (h = 35 km). | | | | | |
| " | 19 | Ki iP | 06 39 41.9 | " | 19 | Ud iP | 15 34 35.1 |
| | | | | | | Mindanao (h = 55 km). | |
| " | 19 | Up iP | 07 16 35.4 | " | 19 | Up iP | 15 35 41.6 |
| | | Ki iP | 07 16 07.8 | | | | micr sec |
| | | Mariana Islands (h = 310 km). | | | | Mx E | 1.2 20 |
| | | | | | | Mx N | 2.1 20 |
| " | 19 | Up iP | 10 44 46.1 C | | | Mx Z | 1.4 20 |
| | | Ki iP | 10 43 52.8 C | | | Ki iP | 15 35 22.6 |
| | | ipP | 10 44 03.9 | | | ipP | 15 35 27.7 |
| | | | micr sec | | | | micr sec |
| | | P Z' | 0.1 1.0 | | | pP Z' | 0.1 1.0 |
| | | Sk iP | 10 44 22.0 | | | Mx E | 1.4 17 |
| | | Um iP | 10 44 19.6 | | | Mx N | 1.6 19 |
| | | ipP | 10 44 31.5 | | | Mx Z | 2.1 19 |
| | | Ud iP | 10 44 45.4 C | | | Ud iP | 15 35 48.8 |
| | | ipP | 10 44 55.9 | | | Mindanao. | |
| | | De iP | 10 45 08.2 C | | | h = 20 km (Ki). | |
| | | Aleutian Islands. | | | | M = 5.6 (Up,Ki). | |
| | | h = 40 km (Ki,Um,Ud). | | | | | |
| " | 19 | De i(Rg) | 14 05 05.9 | " | 19 | Ud iPKP | 16 06 55.3 |
| " | 19 | Up iSgl | 14 30 23.2 | | | De iPKP | 16 07 06.4 |
| | | Ud eSgl | 14 30 13 | | | Tonga-Kermadec Islands | |
| | | De iPgl | 14 27 50.1 | | | (h = 570 km). | |
| | | iSgl | 14 28 17.8 | " | 19 | De iP | 17 25 06.0 |
| | | Baltic Sea, south of Sweden. | | " | 19 | Ud iP | 17 28 41.2 |
| | | Origin time = 14 27 15. | | | | i | 17 28 47.3 |
| | | Explosion. | | | | Mindanao (h = 60 km). | |
| " | 19 | Up iSgl | 14 37 00.2 | " | 19 | Ki i(Sgl) | 19 01 15.5 |
| | | Ud iSgl | 14 36 50.2 | | | Um i(Sgl) | 19 01 30.7 |
| | | De iPgl | 14 34 29.8 | " | 19 | Up iP | 19 39 57.1 |
| | | iSgl | 14 34 56.6 | | | | micr sec |
| | | Baltic Sea, south of Sweden. | | | | Mx E | 1.6 14 |
| | | Origin time = 14 33 56. | | | | Mx N | 1.5 14 |
| | | Explosion. | | | | Mx Z | 2.0 15 |
| " | 19 | Up iSgl | 14 37 12.3 | | | Ki iP | 19 41 01.1 |
| | | Ud iSgl | 14 37 03.0 | | | | micr sec |
| | | De iPgl | 14 34 43.2 | | | Mx E | 1.2 12 |
| | | iSgl | 14 35 09.2 | | | Sk iP | 19 40 32.9 |
| | | Baltic Sea, south of Sweden. | | | | Um iP | 19 40 31.1 |
| | | Origin time = 14 34 09. | | | | Ud iP | 19 40 01.7 D |
| | | Explosion. | | | | De iP | 19 39 31.4 |
| " | 19 | Up iPKP | 14 58 12.9 C | | | i | 19 39 35.8 |
| | | i | 14 58 22.9 | | | ipP | 19 39 42.7 |
| | | Sk iPKP | 14 58 08.8 C | | | Crete. | |
| | | (cont.) | | | | h = 50 km (De). | |
| | | | | | | M = 4.9 (Up,Ki). | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|-------------------------------|--------|--------------|------|----|-----------------------------|------------|------------|
| Dec. | 19 | Ki | eP | 19 53 11 | Dec. | 20 | Up | iPgl | 09 37 27.7 |
| | | | ipP | 19 53 28.7 | | | | iSn | 09 38 10.9 |
| | | Ud | iP | 19 53 38.4 | | | | iSgl | 09 38 38.1 |
| | | Mindanao. | | | | | Um | e(Sgl) | 09 40 35 |
| | | h = 70 km (Ki). | | | | | Ud | iSn | 09 38 33.7 |
| " | 19 | Up | iPgl | 21 13 20.0 | | | De | iPn | 09 36 43.8 |
| | | | iSgl | 21 13 38.3 | | | | iPgl | 09 36 52.2 |
| | | | iRg | 21 13 42.6 | | | | iSgl | 09 37 40.0 |
| | | Um | iSgl | 21 15 22.8 | | | Baltic Sea, Gulf of Gdansk. | | |
| | | Ud | iRg | 21 13 30.9 | | | Origin time = 09 35 57. | | |
| | | De | eSgl | 21 14 43 | | | Explosion. | | |
| | | Central Sweden, | | | " | 20 | Um | iPKP | 09 50 54.9 |
| | | 59.8°N, 15.1°E. | | | | | Ud | iPKP | 09 51 09.2 |
| | | Origin time = 21 12 57. | | | | | South of Kermadec Islands | | |
| | | Probably rockburst in the | | | | | (h = 10 km). | | |
| | | Bergslagen mining area. | | | " | 20 | Up | iPgl | 10 08 25.2 |
| " | 19 | Ki | iP | 23 14 45.1 | | | Um | eSgl | 10 11 40 |
| | | Um | iP | 23 15 12.1 | | | Ud | iSn | 10 09 32.6 |
| | | Ud | iP | 23 15 37.9 | | | | iSgl | 10 10 02.8 |
| | | Aleutian Islands (h = 15 km). | | | | | De | iPn | 10 07 42.2 |
| " | 19 | Ud | iP | 23 24 13.1 | | | | iPgl | 10 07 50.3 |
| | | Japan (h = 40 km). | | | | | | iSgl | 10 08 39.0 |
| " | 19 | Um | iP | 23 26 01.4 | | | Baltic Sea, Gulf of Gdansk. | | |
| | | Ud | iP | 23 26 29.9 | | | Origin time = 10 06 49. | | |
| | | Japan (h = 60 km). | | | | | Explosion. | | |
| " | 20 | Um | iP | 00 08 12.2 | " | 20 | Up | iPgl | 10 20 39.4 |
| | | Japan (h = N). | | | | | | iSgl | 10 21 50.4 |
| " | 20 | Up | iP | 03 12 43.0 | | | Um | e(Sgl) | 10 23 50 |
| | | Ud | iP | 03 12 56.3 C | | | Ud | iSn | 10 21 47.5 |
| " | 20 | Ud | iP | 04 23 09.9 | | | | iSgl | 10 22 18.5 |
| " | 20 | Um | iP | 04 23 33.0 | | | De | iPn | 10 19 56.3 |
| | | Ud | iP | 04 23 46.0 | | | | iPgl | 10 20 04.0 |
| " | 20 | Up | iP | 07 46 45.8 | | | | i(Sn) | 10 20 38.0 |
| | | Ki | iP | 07 46 16.4 | | | | iSgl | 10 20 53.5 |
| | | Um | iP | 07 46 28.7 | | | Baltic Sea, Gulf of Gdansk. | | |
| | | Ud | iP | 07 46 53.6 | | | Origin time = 10 19 06. | | |
| | | De | iP | 07 47 04.1 | | | Explosion. | | |
| | | Mariana Islands (h = 45 km). | | " | 20 | Up | iPgl | 10 32 44.2 | |
| " | 20 | Up | iPgl | 09 16 01.1 | | | | iSn | 10 33 27.6 |
| | | | iSn | 09 16 44.2 | | | | iSgl | 10 33 55.6 |
| | | | iSgl | 09 17 11.5 | | | Um | iSgl | 10 36 07.8 |
| | | Ud | iSgl | 09 17 36.6 | | | Ud | iSn | 10 33 52.7 |
| | | De | iPn | 09 15 17.4 | | | | iSgl | 10 34 22.8 |
| | | | iPgl | 09 15 25.7 | | | De | iPn | 10 32 01.9 |
| | | | iSgl | 09 16 13.0 | | | | iPgl | 10 32 09.6 |
| | | Baltic Sea, Gulf of Gdansk. | | | | | | iSgl | 10 32 57.9 |
| | | Origin time = 09 14 27. | | | | | Baltic Sea, Gulf of Gdansk. | | |
| | | Explosion. | | | | | Origin time = 10 31 11. | | |
| | | | | | | | Explosion. | | |
| " | 20 | De | i(Sgl) | 11 07 10.6 | " | 20 | Ud | i(pPKP) | 11 20 42.7 |
| | | | | | | | South Sandwich Islands | | |
| | | | | | | | (h = 140 km). | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|----|--------|---------------------------|------|----|---------------------------|
| Dec. | 20 | Up | iSn | 12 26 11.5 | Dec. | 20 | (cont.) |
| | | | iSgl | 12 26 23.1 | | | Ud i 23 00 35.6 |
| | | Ki | iSgl | 12 29 01.9 | | | Japan (h = N). |
| | | Um | iSgl | 12 26 58.9 | " | 21 | Ud i(PKP) 01 24 35.4 |
| | | Ud | eSgl | 12 27 27 | | | iPKP 01 24 40.1 |
| | | De | iSgl | 12 27 54.4 | | | De iPKP 01 24 51.2 C |
| | | | | Esthonia, 59.6°N, 24.5°E. | | | Tonga-Kermadec Islands |
| | | | | Origin time = 12 24 34. | | | (h = 590 km). |
| | | | | Explosion. | | | |
| " | 20 | Ki | eP | 15 38 54 | " | 21 | Ki iPKP1 04 01 26.6 |
| | | Ud | eP | 15 39 20 | | | Um iPKP1 04 01 34.1 |
| | | | i | 15 39 25.6 | | | ipPKP1 04 01 41.1 |
| | | | | Mindanao (h = 80 km). | | | Ud iPKP2 04 02 07.5 |
| " | 20 | Up | iPKP | 18 11 32.4 | | | New Zealand. |
| | | Ki | i(PKP) | 18 11 13.5 | | | h = 20 km (Um). |
| | | | iPKP | 18 11 25.6 D | " | 21 | Up iP 10 04 37.0 D |
| | | | | micr sec | | | micr sec |
| | | | PKP Z' | 0.1 1.0 | | | P Z' 0.1 1.0 |
| | | Sk | i(PKP) | 18 11 26.7 | | | Ki iP 10 04 20.1 D |
| | | Um | i(PKP) | 18 11 21.5 | | | micr sec |
| | | | iPKP | 18 11 33.0 | | | P Z' 0.1 1.0 |
| | | | iSKP | 18 14 09.9 | | | Sk iP 10 04 41.4 D |
| | | Ud | iPKP | 18 11 34.4 D | | | Um iP 10 04 25.8 D |
| | | | iSKP | 18 14 22.9 | | | Ud iP 10 04 45.4 D |
| | | De | iPKP | 18 11 45.6 D | | | Negros (h = 570 km). |
| | | | i | 18 11 46.3 | | | m = 5.6 (Up,Ki). |
| | | | | Tonga-Kermadec Islands | " | 21 | Up iSn 12 29 40.9 |
| | | | | (h = 610 km). | | | iSgl 12 29 53.4 |
| " | 20 | Up | iP | 18 59 54.1 | | | Ki iSgl 12 32 30.5 |
| | | Sk | iP | 18 59 34.8 | | | Um iSgl 12 30 27.1 |
| | | Um | iP | 18 59 51.3 | | | Ud iSgl 12 30 58.3 |
| | | | | Mexico (h = 150 km). | | | De iSgl 12 31 23.0 |
| " | 20 | Ud | iPKP | 19 15 45.2 | | | Esthonia, 59.6°N, 24.7°E. |
| | | De | iPKP | 19 15 56.3 | | | Origin time = 12 28 00. |
| | | | | Tonga-Kermadec Islands | | | Explosion. |
| | | | | (h = 650 km). | " | 21 | Up iP 20 26 48.9 |
| " | 20 | Ud | iP | 21 16 58.5 | | | Um iP 20 26 33.9 |
| " | 20 | Up | iPKP | 21 30 39.2 | | | i 20 26 59.4 |
| | | Um | iSKP | 21 33 18.9 | | | Ud iP 20 26 45.9 |
| | | Ud | iPKP | 21 30 41.4 | | | i 20 27 06.3 |
| | | De | iPKP | 21 30 52.8 | | | Nevada. |
| | | | | Tonga-Kermadec Islands | | | Underground explosion. |
| | | | | (h = 570 km). | " | 22 | Up iP 01 16 45.6 |
| " | 20 | Ki | iP | 22 55 35.2 | | | micr sec |
| | | Sk | iP | 22 56 02.4 | | | P Z' 0.1 1.0 |
| | | Um | iP | 22 55 42.0 | | | Um iP 01 16 30.9 |
| | | Ud | iP | 22 56 01.2 | | | Ud iP 01 16 54.5 |
| | | | | Mindanao (h = 45 km). | | | Formosa (h = N). |
| " | 20 | Ud | iP | 23 00 25.9 | " | 22 | Um iP 05 28 01.5 |
| | | | | (cont.) | | | De iP 05 27 49.3 |
| | | | | | | | Colombia (h = 170 km). |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Dec. 22 Up iP 08 50 03.7
 Ki iP 08 49 26.7 C
 Sk eP 08 50 00
 Um iP 08 49 43.3 C
 Ud iP 08 50 11.0 C
 De iP 08 50 24.7 C
 Japan (h = 60 km).

" 22 Sk iP 10 09 49.7

" 22 Ki iP 10 52 57.7
 Mariana Islands (h = 30 km).

" 22 Ud iP 10 58 29.7
 De iP 10 58 52.7
 Alaska (h = N).

" 22 Up iP 12 07 25.0
 Ud iP 12 07 25.1
 Aleutian Islands (h = 45 km).

" 22 Up iP 12 37 47.7
 i 12 37 49.8
 iPP 12 39 13.5
 iSKS 12 44 36
 micr sec
 PKP Z' 0.1 1.0
 PP Z' 0.1 1.2
 Mx E 5.8 20
 Mx N 11 20
 Mx Z 13 21
 Ki ePKP 12 38 02
 i 12 38 03.8
 micr sec
 PKP Z' 0.3 1.1
 Mx E 8.2 18
 Mx N 8.8 18
 Mx Z 7.7 19
 Sk iP 12 37 54.3
 Um iP 12 37 56.1
 i 12 37 58.3
 iPP 12 39 35.4
 Ud iP 12 37 46.4
 i 12 37 48.5
 iPP 12 39 11.8
 De iP 12 37 42.1
 iPP 12 38 48.8
 South Sandwich Islands
 (h = N).
 M = 6.6 (Up,Ki).
 Double PKP-phases, in
 average 2.1 sec apart.

" 22 Up iSgl 12 47 35.2
 i 12 47 54.5
 Ki iSn 12 44 23.2
 iS* 12 44 45.3
 (cont.)

1972

Dec. 22 (cont.)
 Sk iSgl 12 47 15.5
 Um iSn 12 45 03.2
 i 12 45 18.1
 iSgl 12 45 38.4
 Ud i 12 47 54.2
 iS* 12 48 00.7
 De iSn 12 48 10.6
 eSgl 12 49 45
 Northwest USSR,
 67.8°N, 34.1°E.
 Origin time = 12 42 16.
 Explosion.

" 22 Ki ePKP 13 02 11
 Um iPKP 13 02 05.8
 South Sandwich Islands
 (h = N).

" 22 Ki iPKP 13 24 37.3
 micr sec
 PKP Z' 0.2 1.5
 Um iPKP 13 24 30.9
 South Sandwich Islands
 (h = N).

" 22 Up iSgl 13 43 56.0
 Um iSgl 13 44 16.8
 Ud eSgl 13 44 58
 De eSgl 13 45 25
 Western USSR.
 Explosion.

" 22 Ud iP 16 08 36.2

" 22 Ud iPKP 16 41 27.3
 De iPKP 16 41 40.0
 Samoa Islands (h = N).

" 22 Up iP 16 50 36.1 C
 Okhotsk Sea (h = 450 km).

" 22 Um iP 17 46 41.4
 Ud iP 17 47 09.0
 Japan (h = 150 km).

" 22 Ud iP 18 53 11.6
 i 18 53 32.2

" 22 Up iPKP 19 10 13.4
 South Sandwich Islands
 (h = N).

" 23 Up iP 02 28 37.1
 micr sec
 P Z' 0.1 1.1
 Ki eP 02 27 47
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Dec. 23 (cont.)
Ud iP 02 28 38.1 D
De iP 02 29 00.0
Aleutian Islands (h = 45 km).

" 23 Ki iPKP1 05 20 35.6
micr sec
PKP1 Z' 1.3 2.5
Um iPKP1 05 20 42.5
Ud iPKP2 05 21 14.6
New Zealand (h = N).

" 23 Up iP 06 42 27.6
micr sec
P Z' 0.1 1.3
Mx E 3.6 16
Mx N 3.6 20
Mx Z 6.8 20
Ki iP 06 42 21.3 C
micr sec
P Z' 0.4 1.7
Mx N 4.5 17
Sk iP 06 42 08.2
Um iP 06 42 27.8
Ud iP 06 42 18.1
De iP 06 42 23.6 C
Nicaragua (h = 5 km).
m = 6.1, M = 6.0 (Up, Ki).

" 23 Ud iP 07 32 25.1
De eP 07 32 34
Nicaragua (h = 5 km).

" 23 Um iSgl 10 44 49.1
Ud eSgl 10 45 40
Lake Ladoga.
Explosion?

" 23 Up eSgl 11 41 09
i 11 41 19.7
Ud eSgl 11 41 14
De iPgl 11 39 12.6
iSgl 11 39 27.0
Baltic Sea, south of Sweden,
55.7°N, 15.1°E.
Origin time = 11 38 55.

" 23 Ud i(PKP) 12 17 17.7
iPKP 12 17 26.9
Solomon Islands (h = 50 km).

" 23 Up iP 13 00 37.1
Ud iP 13 00 42.2
Greece (h = 30 km).

" 23 Up iPKP 17 30 57.6
Um i(PKP) 17 30 37.8
(cont.)

1972

Dec. 23 (cont.)
Ud iPKP 17 30 59.9 D
De iPKP 17 31 10.2 D
Tonga-Kermadec Islands
(h = 510 km).

" 24 Ud iP 03 45 06.3
De iP 03 44 33.9
Rhodus Island.

" 24 Ud iP 04 52 15.5

" 24 Ud iP 05 49 11.1
Aegean Sea.

" 24 Ud eP 05 52 16

" 24 Ki iPKP 08 05 50.4
Ud iPKP 08 05 32.7
South Sandwich Islands
(h = N).

" 24 Up iSgl 10 04 04.4
Ki iSn 10 00 58.7
Sk iSgl 10 03 47.6
Um iSn 10 01 34.2
iSgl 10 02 10.8
Ud iSgl 10 04 34.8

Northwest USSR,
67.8°N, 34.1°E.
Origin time = 09 58 40.
Explosion.

" 24 Ud iP 10 40 42.5
Hindu Kush.
Intermediate depth.

" 24 Ki iP 11 31 42.0
Alma-Ata (h = N).

" 24 Up iPKP2 20 51 30.2
Um iPKP2 20 51 22.3
Ud i 20 51 34.3
iPKP2 20 51 39.9
Macquarie Islands (h = N).

" 24 Ud iP 23 32 33.2

" 25 Sk iPKP 01 54 05.3
Um iPKP 01 53 59.5
Santa Cruz Islands (h = 180 km).

" 25 Um iPKP 03 51 44.1
New Hebrides Islands (h = 25 km).

" 25 Ud iPKP 04 35 18.8
De iPKP 04 35 28.6
i 04 35 30.4

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | | | |
|------|----|----|------|-----------------------------|------|----|---------|------|--------------------------------|
| Dec. | 25 | Up | iPKP | 05 37 19.2 | Dec. | 25 | (cont.) | | |
| | | Ud | iPKP | 05 37 20.1 | | | De | iPKP | 14 10 09.0 D |
| | | | | South Sandwich Islands | | | | i | 14 10 21.6 |
| | | | | (h = N). | | | | | Kermadec Islands (h = 400 km). |
| " | 25 | Um | iPKP | 05 39 06.0 | " | 25 | Ud | iP | 14 58 31.7 |
| | | Ud | iPKP | 05 39 19.5 | | | | | |
| " | 25 | Up | iP | 07 03 56.5 | " | 25 | Um | iSgl | 15 10 14.3 |
| | | Um | iP | 07 03 35.8 | | | Ud | iSgl | 15 11 31.8 |
| | | Ud | iP | 07 04 04.6 | " | 25 | Ud | iP | 18 59 31.8 C |
| | | | | Japan (h = 30 km). | " | 25 | Up | iP | 19 06 22.8 C |
| " | 25 | Ud | iP | 07 25 26.3 | | | | ipP | 19 06 42.1 |
| | | | | Japan (h = 35 km). | | | | | micr sec |
| " | 25 | Up | iP | 09 18 43.1 | | | P | Z' | 0.4 1.4 |
| | | Um | iP | 09 19 17.6 | | | Mx | E | 3.3 24 |
| | | Ud | iP | 09 18 48.7 | | | Mx | N | 3.8 26 |
| | | | | Turkey (h = N). | | | Mx | Z | 5.1 26 |
| " | 25 | Up | iP2 | 12 41 29.9 | Ki | iP | | | 19 05 29.0 C |
| | | Ki | eP1 | 12 40 30 | | | ipP | | 19 05 50.4 |
| | | Ud | eP1 | 12 41 22 | | | iPP | | 19 07 37.9 |
| | | | iP2 | 12 41 31.3 | | | | | micr sec |
| | | | | Kamchatka (h = 40 km). | | | P | Z' | 0.2 1.2 |
| | | | | Double P-onsets. P2 may | | | Mx | E | 5.5 24 |
| | | | | be interpreted as pP. | | | Mx | N | 5.6 26 |
| " | 25 | Up | iP | 12 56 42.8 | Sk | iP | | | 19 06 05.9 C |
| | | | iS | 12 59 33.5 | | | ipP | | 19 06 25.2 |
| | | | i | 13 01 56.4 | | | isP | | 19 06 37.4 |
| | | Ki | iP | 12 58 06.5 | Um | iP | | | 19 05 54.6 C |
| | | Sk | iP | 12 57 39.0 | | | ipP | | 19 06 14.7 |
| | | Um | iP | 12 57 23.9 | | | isP | | 19 06 25.4 |
| | | Ud | iP | 12 57 00.1 | Ud | iP | | | 19 06 26.7 C |
| | | | iS | 13 00 15.4 | De | iP | | | 19 06 48.1 C |
| | | De | iP | 12 56 24.1 | | | ipP | | 19 07 09.3 |
| | | | | Rumania (h = 130 km). | | | isP | | 19 07 21.0 |
| " | 25 | Um | eP | 13 03 01 | | | | | Kamchatka. |
| " | 25 | Up | iP | 13 06 47.5 | | | | | h = 80 km (Up,Ki,Sk,Um,De). |
| | | Sk | iP | 13 06 31.0 | " | 25 | Um | iP | 19 31 25.3 |
| | | Um | iP | 13 06 22.9 | " | 25 | Sk | iP | 21 32 26.8 |
| | | Ud | iP | 13 06 52.0 | " | 25 | Ud | iP | 22 34 44.4 |
| | | | | Kurile Islands (h = 50 km). | " | 25 | Up | eP | 22 35 39 |
| " | 25 | Up | iPKP | 14 09 59.2 D | | | Um | iP | 22 35 18.3 |
| | | | i | 14 10 04.8 | | | Ud | iP | 22 35 46.9 |
| | | | | micr sec | | | | | Japan (h = 50 km). |
| | | | PKP | Z' 0.1 0.9 | " | 25 | Ud | iP | 22 38 44.6 |
| | | Ki | ePKP | 14 09 45 | " | 25 | Um | iP | 23 13 09.0 |
| | | Sk | iPKP | 14 09 53.8 | | | Ud | iP | 23 13 02.0 |
| | | Um | iPKP | 14 09 48.4 D | " | 26 | Um | iP | 02 15 38.2 |
| | | Ud | iPKP | 14 10 01.3 D | | | | | (cont.) |
| | | | i | 14 10 08.1 | | | | | |
| | | | | (cont.) | | | | | |

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|---------|---|------|----|--|--|
| Dec. | 26 | (cont.) | | Dec. | 26 | (cont.) | |
| | | Ud | iP 02 16 10.1 Aleutian Islands (h = 80 km). | | | Ki | iP 22 13 44.3 i 22 14 02.8 iPcP 22 14 29.0 |
| " | 26 | Um | iP 04 24 29.4 Hindu Kush (h = 160 km). | | | Sk | iP 22 14 16.4 i 22 15 04.3 |
| " | 26 | Ud | iP 04 47 07.1 | | | Um | iP 22 14 11.8 iPcP 22 14 46.8 |
| " | 26 | Um | iP 05 05 08.1 Gulf of California (h = N). | | | Ud | iP 22 14 37.6 C i 22 14 39.7 ipP 22 14 51.5 |
| " | 26 | Ud | iP 05 23 16.4 | | | De | iP 22 15 00.7 C |
| " | 26 | Ud | e(P) 06 23 05 | | | Aleutian Islands. h = 50 km (Ud). | |
| " | 26 | Um | i(P) 07 08 20.4 | " | 27 | Ki | i(P) 06 28 39.1 |
| " | 26 | Sk | iP 07 35 50.0 | " | 27 | Ud | iP 08 20 10.3 Sicily. |
| " | 26 | Um | i(P) 08 44 51.1 | " | 27 | Ud | i(P) 08 49 29.2 |
| " | 26 | Ud | iP 11 36 54.9 | " | 27 | Ki | ePn 12 18 35 iSn 12 19 24.0 iSgl 12 19 41.9 |
| " | 26 | Up | iSn 12 25 55.7 iSgl 12 26 09.1 Ki eSgl 12 28 51 Um iSgl 12 26 43.4 Ud iSgl 12 27 14.8 De eSgl 12 27 39 Esthonia, 59.5°N, 25.0°E. Origin time = 12 24 10. Explosion. | | | Northwest USSR-Norway border region. Origin time = 12 17 31. Explosion. | |
| " | 26 | Sk | eP 15 35 42 i 15 37 33.0 | " | 27 | Ki | iSn 12 29 33.4 Sk iSgl 12 32 21.3 Um iSn 12 30 11.7 iS* 12 30 41.3 iSgl 12 30 46.5 |
| " | 26 | Ud | i(P) 17 20 09.7 | | | Northwest USSR. Explosion. | |
| " | 26 | Up | iP 18 42 50.7 Ki iP 18 43 27.9 Sk eP 18 43 23 Um iP 18 43 04.3 Ud iP 18 43 06.2 Iran (h = N). | " | 27 | Up | iP 14 16 16.6 il 14 16 27.6 ipP 14 17 33.5 i3 14 18 38.8 iS 14 24 28 |
| " | 26 | Ki | eP 21 03 31 Colombia (h = 160 km). | | | | micr sec pP Z' 0.1 1.2 i3 Z' 0.1 0.8 |
| " | 26 | Ki | iP 21 17 28.6 Ud iP 21 17 54.9 Mindanao (h = 170 km). | | | Ki | iP 14 15 31.4 ipP 14 16 45.9 isP 14 17 40.4 i3 14 17 54.1 |
| " | 26 | Up | iP 22 14 38.6 C i 22 14 43.1 iPcP 22 15 03.3 micr sec P Z' 0.1 0.7 (cont.) | | | | micr sec P Z' 0.1 1.1 pP Z' 0.1 1.1 |
| | | | | | | Sk | iP 14 16 08.4 i(sP) 14 18 24.8 |
| | | | | | | Um | iP 14 15 51.3 ipP 14 17 07.4 (cont.) |

Up = Uppsala, Ki = Kiruna; Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1972

Dec. 27 (cont.)

| | | |
|----|-----|--------------|
| Um | isP | 14 17 59.8 |
| Ud | iP | 14 16 23.2 C |
| | i1 | 14 16 32.5 |
| | i2 | 14 16 47.9 |
| | ipP | 14 17 39.5 |
| | i | 14 18 02.6 |
| | isP | 14 18 32.0 |
| | i3 | 14 18 45.2 |
| De | iP | 14 16 43.6 |
| | i2 | 14 17 07.9 |
| | isP | 14 18 55.0 |

Okhotsk Sea.

h = 360 km (Up,Ki,Um,Ud).

m = 5.4 (Up,Ki).

Corresponding, but unidentified phases at the different stations have been denoted by the same numbers (i1, i2, i3).

| | | | | |
|----|----|----|------|------------|
| " | 27 | Ud | iP | 15 47 03.6 |
| " | 27 | Sk | i(P) | 21 59 13.4 |
| " | 27 | Sk | iP | 22 11 20.2 |
| " | 27 | Up | iP | 23 06 55.7 |
| | | | iS | 23 12 50 |
| | | | | micr sec |
| | | P | Z' | 0.1 1.3 |
| | | Mx | E | 8.7 17 |
| | | Mx | N | 19 17 |
| | | Mx | Z | 27 16 |
| Ki | | iP | | 23 05 54.1 |
| | | | | micr sec |
| | | P | Z' | 0.1 1.3 |
| | | Mx | E | 12 15 |
| | | Mx | N | 9.0 13 |
| | | Mx | Z | 12 13 |
| Sk | | eP | | 23 06 18 |
| Um | | iP | | 23 06 26.4 |
| | | iS | | 23 11 58 |
| Ud | | iP | | 23 06 48.5 |

Queen Elizabeth Islands

(h = N).

m = 5.5, M = 5.9 (Up,Ki).

| | | | | |
|----|----|------|----|------------|
| " | 28 | Up | | micr sec |
| | | Mx | N | 3.0 21 |
| | | Mx | Z | 1.9 20 |
| Ki | | iPKP | | 03 00 00.3 |
| | | i | | 03 00 20.6 |
| | | | | micr sec |
| | | PKP | Z' | 0.2 1.5 |
| | | Mx | E | 1.7 16 |
| | | Mx | N | 2.2 22 |

(cont.)

1972

Dec. 28 (cont.)

| | | | | |
|----|--|------|---|------------|
| Ki | | | | micr sec |
| | | Mx | Z | 1.5 16 |
| Um | | iPKP | | 03 00 06.7 |
| Ud | | iPKP | | 03 00 13.0 |

Loyalty Islands (h = 30 km).
M = 6.1 (Up,Ki).

| | | | | |
|----|----|-----|------|--------------|
| " | 28 | Ud | iP | 03 50 16.3 C |
| " | 28 | Ki | iP | 04 33 37.6 |
| " | 28 | Sk | i(P) | 05 15 01.6 |
| " | 28 | Up | iP2 | 06 07 28.1 C |
| | | | | micr sec |
| | | Mx | E | 1.7 15 |
| | | Mx | N | 1.7 16 |
| | | Mx | Z | 2.0 14 |
| Ki | | iP1 | | 06 07 06.9 |
| | | iP2 | | 06 07 09.0 C |
| | | i | | 06 07 33.2 |
| | | | | micr sec |
| | | P2 | Z' | 0.1 1.1 |
| | | i | Z' | 0.2 1.5 |
| | | Mx | E | 5.7 21 |
| | | Mx | N | 4.2 19 |
| | | Mx | Z | 6.0 19 |
| Sk | | iP1 | | 06 07 29.3 |
| Um | | iP2 | | 06 07 20.6 C |
| Ud | | iP1 | | 06 07 32.4 |
| | | iP2 | | 06 07 36.0 C |

Mindanao (h = 70 km).
M = 5.9 (Up,Ki).
Double P-onsets at Ki and Ud. The second, P2, has the biggest amplitudes.

| | | | | |
|---|----|----|----|------------|
| " | 28 | Um | iP | 07 11 32.1 |
|---|----|----|----|------------|

Japan (h = 15 km).

| | | | | |
|----|----|--------|------|--------------|
| " | 28 | Up | iPKP | 09 19 12.1 C |
| | | | | micr sec |
| | | PKP | Z' | 0.1 1.0 |
| Ki | | iPKP | | 09 18 57.1 C |
| | | | | micr sec |
| | | PKP | Z' | 0.1 0.9 |
| Sk | | i(PKP) | | 09 19 06.1 |
| | | iPKP | | 09 19 09.1 |
| | | i | | 09 19 19.5 |
| Um | | iPKP | | 09 19 04.1 C |
| Ud | | i(PKP) | | 09 19 10.2 |
| | | iPKP | | 09 19 15.6 |
| De | | iPKP | | 09 19 20.4 |

New Hebrides Islands
(h = 45 km).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

| 1972 | | | | 1972 | | | |
|------|----|---|-----------------|------|----|--------------------------------|-------------------|
| Dec. | 29 | (cont.) | | Dec. | 30 | Ud | i(P) 15 36 03.0 |
| | | Ki | iSgl 17 37 08.7 | " | 30 | Ki | iP 17 42 10.7 |
| | | Sk | ePgl 17 36 34 | | | Ud | iP 17 42 36.1 |
| | | | iS* 17 37 12.3 | | | Mindanao (h = 35 km). | |
| | | | iSgl 17 37 15.4 | " | 31 | Up | iP 00 03 12.8 |
| | | Um | iPn 17 36 39.0 | | | Ud | iP 00 03 28.3 |
| | | | iPgl 17 36 47.1 | | | Tibet (h = N). | |
| | | | iSn 17 37 21.2 | " | 31 | Ki | i(Pgl) 00 20 08.5 |
| | | | iSgl 17 37 34.7 | | | | iSgl 00 20 38.7 |
| | | Ud | iSgl 17 39 01.2 | | | Off northwest coast of Norway. | |
| | | De | eSgl 17 40 56 | " | 31 | Ud | iP 08 36 26.1 |
| | | Nordland, Norway, 66.4°N, 14.5°E. Origin time = 17 35 43. Explosion. | | " | 31 | Um | iP 10 17 11.9 |
| " | 29 | Ki | ePKP 19 24 29 | " | 31 | Ud | iP 10 17 36.8 |
| | | Sk | iPKP 19 24 42.1 | | | Kodiak Island (h = 20 km). | |
| | | Um | iPKP 19 24 35.8 | " | 31 | Ud | iP 15 44 47.7 |
| | | | i 19 24 43.7 | " | 31 | Ki | eP 15 55 26 |
| | | De | iPKP 19 24 53.5 | | | Ud | eP 15 55 54 |
| | | Loyalty Islands (h = N). | | " | 31 | Up | eP 20 07 40 |
| " | 29 | Ud | iP 21 53 00.8 | | | Ud | eP 20 07 46 |
| " | 29 | Ki | iP 22 19 06.8 | | | Greece (h = 50 km). | |
| | | Japan (h = 170 km). | | | | | |
| " | 29 | Ki | iP 23 40 28.7 | | | | |
| | | | micr sec | | | | |
| | | | P Z' 0.2 1.5 | | | | |
| | | Sk | iP 23 41 20.4 | | | | |
| | | Um | iP 23 41 19.2 | | | | |
| | | Ud | eP 23 41 50 | | | | |
| | | Arctic Ocean (h = N). | | | | | |
| " | 30 | De | iP 05 51 12.4 | | | | |
| " | 30 | Ud | iP 06 19 31.0 | | | | |
| " | 30 | Ud | iP 06 27 46.0 | | | | |
| | | North Atlantic Ocean (h = N). | | | | | |
| " | 30 | Ki | eP 07 24 18 | | | | |
| | | | i 07 24 24.2 | | | | |
| | | Ud | i 07 24 47.8 | | | | |
| | | Mindanao (h = 80 km). | | | | | |
| " | 30 | Ki | iP 08 56 29.6 | | | | |
| " | 30 | Ud | iP 09 15 08.7 | | | | |
| " | 30 | Ud | iP 15 23 19.6 | | | | |
| | | Bonin Islands (h = 50 km). | | | | | |
| " | 30 | Ud | eP 15 25 59 | | | | |
| | | Aegean Sea (h = N). | | | | | |

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October 20, 1974