

Seismological Bulletin 1956

Uppsala: 59° 51.5' N, 17° 37.6' E

Kiruna: 67° 50.4' N, 20° 25.0' E

Skalstugan: 63° 34.8' N, 12° 16.8' E

By

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Uppsala (abbreviated Up in the bulletin)

Location and ground: 59°51.5'N, 17°37.6'E; 14 m above mean sea level; granite.

Instruments: Wiechert 1000 kg pendulum E,N; Grenet-Coulomb Z' (short-period); Benioff variable reluctance E,N,Z (long-period) and E',N',Z' (short-period).

Instrumental constants for 1956:

a) Wiechert

T_0 = seismograph free period,

V = static magnification,

ε = damping ratio,

r = max. deviation due to friction.

Instrument	Date 1956	T_0 sec	V	ε	r mm
Wiechert E	Jan 3	10.3	188	4.4	1.0
	July 2	10.4	189	4.2	1.2
» N	Jan 3	9.5	188	3.8	1.0
	July 2	9.2	197	3.8	1.0

Concerning the method of determination, see Wiechert (1903).

b) Grenet-Coulomb

T_0 = seismometer free period,

T_g = galvanometer free period,

k_g = transference factor,

L = reduced pendulum length,

l_0 = recording distance (from galvanometer lense to record),

$V_{\max}$ = max. dynamic magnification.

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Instrument	Date	T_0 sec	T_g sec	k_g sec ⁻¹	L cm	l_0 cm	$V_{\max}$
Grenet-Coulomb Z'	Jan 19, 1952	1.4	0.5	16900	11.8	100	10530

Both seismometer and galvanometer damping is critical (aperiodic).

Reference is made to Grenet (1946), Galitzin (1914), and Byerly (1942).

c) Benioff

In addition to T_0 , T_g , l_0 , and $V_{\max}$, already defined, we introduce the following notation:

$2\sigma_g l_0$ = transference factor, where σ_g = a quantity depending on the electrodynamic properties of the transducer and the galvanometer (Benioff, 1932; Chakrabarty, 1949; Båth, 1959).

Instrument	Date 1956	T_0 sec	T_g sec	$2\sigma_g l_0$ sec ⁻¹	$V_{\max}$
Benioff E	Feb 7	1.0	87	2.509×10^4	2000
» N	Feb 7	1.0	85	3.705×10^4	2940
» Z	Feb 7	1.0	89	1.892×10^4	1520
» E'	Feb 7	1.0	0.2	1.561×10^7	239200
	July 10	1.0	0.7	2.090×10^6	88310
» N'	Feb 7	1.0	0.2	1.300×10^7	199200
	July 10	1.0	0.7	2.363×10^6	99840
» Z'	Feb 7	1.0	0.2	1.147×10^7	176100
	July 17	1.0	0.7	1.316×10^6	55580

Damping is critical both for seismometers and galvanometers. As is evident from the table, the galvanometers of 0.2 sec period, first used, were replaced in July, 1956, by galvanometers of 0.7 sec period, which improved the records. The test-weight method for determination of magnification curves for short-period instruments is not very reliable, and a comparison of parallel records of Benioff Z' and Grenet-Coulomb Z' suggests that the last value given above for $V_{\max}$ should be reduced to about 40000 (Båth, 1959). Similar reductions apply to E' and N'.

In the bulletin only the readings from Benioff E, N, Z and Grenet Z' are reported as a rule. Readings from Benioff Z' have been included as a complement to Grenet Z', while the other records have not been read in general.

Kiruna (abbreviated Ki)

Location and ground: 67° 50.4' N, 20° 25.0' E; 390 m above mean sea level; porphyry.

Instruments: Grenet-Coulomb Z', Galitzin E, N, Z.

Instrumental constants for 1956:

a) Grenet-Coulomb

Notation, see Uppsala b).

Instrument	Date	T_0 sec	T_g sec	k_g sec ⁻¹	L cm	l_0 cm	$V_{\max}$
Grenet-Coulomb Z'	June 5, 1955	1.4	0.8	15494	12.2	101.5	12820

Damping is critical for seismometer and galvanometer.

b) Galitzin

In addition to the notation above we introduce

μ^2 = seismometer damping (Galitzin, 1914).

Instrument	Date 1955	T_0 sec	T_g sec	μ^2	k_g sec ⁻¹	L cm	l_0 cm	$V_{\max}$
Galitzin E	June 4	12.1	11.8	+0.06	69.2	16.0	135.6	740
» N	June 4	13.0	11.8	+0.20	74.1	15.2	136.0	920
» Z	June 4	8.2	11.9	+0.07	205.1	41.0	135.6	690

Galvanometer damping is critical.

Readings from all Kiruna records are reported in the bulletin.

Skanstugan (abbreviated Sk)

Location and ground: 63° 34.8' N, 12° 16.8' E; 580 m above mean sea level; gneiss.

Instrument: Grenet-Coulomb Z'.

Instrumental constants for 1956:

Instrument	Date	T_0 sec	T_g sec	k_g sec ⁻¹	L cm	l_0 cm	$V_{\max}$
Grenet-Coulomb Z'	Nov 21, 1955	1.4	0.8	~16000	~12	~100	~12000

Seismometer and galvanometer damping critical.

This station began its operation in January, 1956. The establishment of the Skalstugan station was made possible by means of funds from the Knut and Alice Wallenberg Foundation and from the Swedish Natural Science Research Council.

General remarks

This publication is the continuation of the earlier "Observations s ismographiques" for Uppsala (1904 1955, with exception for June, 1905 June, 1906, which was not published) and for Kiruna (1951 1955). Starting with this bulletin the readings from all seismograph stations in Sweden will be published together in one and the same volume. Apart from a change of the language used, there is a different presentation of the readings. An enormously increased number of records and readings has compelled us to limit the information to just that which is necessary for computation of earthquake location, time, and magnitude. In addition, especially pronounced phases are given and remarkable features of the records are mentioned. For information beyond this, everybody interested is welcome to write to us. All records are stored at Uppsala, and all correspondence should be addressed: Seismological Laboratory, Uppsala, Sweden.

For notation of phases, see "Observations s ismographiques" for Uppsala or Kiruna 1955. Concerning channel waves, see a review by B th (1958). The time used is Greenwich Mean Time (GMT).

- C=compression,
- D=dilatation,
- μ =amplitude in microns, $1\mu=10^{-3}$ mm,
- s=period in seconds,
- Δ =epicentral distance,
- h=depth of hypocenter,

Magn.=magnitude, determined in the old Gutenberg-Richter scale (M) by applying our station corrections (B th, 1956). Amplitudes are given only for Uppsala and Kiruna.

In the analysis of the records, use has been made of all available bulletins, especially those from Bureau Central International de S ismologie (BCIS), Strasbourg, and from United States Coast and Geodetic Survey (USCGS), Washington, D.C. The tables and methods of Jeffreys and Bullen (1940), Gutenberg and Richter (1937), B th (1943 and 1947), Gutenberg (1951) have been used.

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References

B th M., Sur une m thode pour calculer les tremblements de terre   foyer profond   l'aide des phases d'une seule station s ismographique, Kungl. Svenska Vet.-akad:s Handl., 3:e ser., Bd 20, No. 4, 22 pp., 1943.

  Travel times of the principal earthquake waves for Uppsala, Bull. Geol. Inst. Uppsala, Vol. 32, pp. 105 129, 1947.

  The problem of earthquake magnitude determination, Publ. Bur. Centr. S ism. Int., S r. A, Trav. Sci., Fasc. 19, pp. 5 93, 1956.

  Channel waves, Journ. Geophys. Res., Vol. 63, No. 3, pp. 583 587, 1958.

  Development of instrumental seismology in Sweden in 1949 1958, Geof. pura e appl., 1959 (in press).

Benioff H., A new vertical seismograph, Bull. Seism. Soc. Amer., Vol. 22, pp. 155 169, 1932.

Byerly P., Seismology, Prentice-Hall, New York, 1942.

Chakrabarty S. K., Response characteristics of electromagnetic seismographs and their dependence on the instrumental constants, Bull. Seism. Soc. Amer., Vol. 39, pp. 205 218, 1949.

Galitzin B., Vorlesungen  ber Seismometrie, Teubner, Leipzig u. Berlin, 538 pp., 1914.

Grenet G., L' talonnage des s ismographes  lectromagn tiques modernes, Ann. G ophys., Vol. 2, pp. 329 338, 1946.

Gutenberg B., PKKP, P'P', and the earth's core, Trans. Amer. Geophys. Union, Vol. 32, No. 3, pp. 373 390, 1951.

Gutenberg B. and Richter C. F., Données relatives à l'étude des tremblements de terre à foyer profond, Publ. Bur. Centr. Séism. Int., Sér. A, Trav. Sci., Fasc. 15, 70 pp., 1937.

Jeffreys H. and Bullen K. E., Seismological tables, Brit. Ass. for the Advancement of Science, 48 pp., 1940.

Wiechert E., Theorie der automatischen Seismographen, Abh. d. K. Ges. d. Wiss. zu Göttingen, Math.-Phys. Kl., N.F., Bd II, No. 1, 128 pp., 1903.

Tables

1956	Jan	1	Up	iPn	04	55	59	
				iPg	04	56	03	
				iSn	04	56	18	
				iSg	04	56	20	
				$\Delta = 170 \text{ km} = 1.5^\circ$.				
				Felt at Söderhamn (61.3° N, 17.1° E), Sweden.				
				Origin time = 04 55 31.				
»		1	Up	iP	07	28	46	
»		1	Up	iP	09	12	03	
				i	09	12	13	
			Ki	iP	09	11	55	
				Sinkiang, China.				
»		1	Up	iP	14	18	49	
			Ki	iP	14	18	16	
»		1	Up	ePP	23	27	13	
				i	23	27	46	
			Ki	iP	23	22	18C	
				ePKP	23	26	21	
				iSKS	23	32	39	
				iPKKP	23	38	11	
						μ	s	
				SKS	E	2.1	6	
				M	N	2.1	24	
				$\Delta = 11550 \text{ km} = 104^\circ$.				
				Timor Island region.				
»		2	Up	iP	01	42	08 D	
				i	01	42	15	
						μ	s	
				P		0.2	1.0	
			Ki	iP	01	42	10 D	
				Nicobar Islands region.				
»		2	Ki	eP	04	44	10	
				Off north coast of Luzon, Philippine Islands.				
»		2	Up	iP	08	51	39	
»		2	Up	i(P)	09	41	57	
				Possibly near earthquake.				
»		2	Up	iPKP	09	46	16	
				iSKP	09	49	01	
						μ	s	
				SKP		0.1	1.0	
1956	Jan	2	Ki	iSKP	09	48	38	
(cont.)						μ	s	
				SKP		0.1	1.0	
				Fiji Islands.				
				Deep (h ~ 600 km).				
»		2	Up	iP	13	30	27	
»		2	Up	i(P)	18	04	18	
»		3	Up	iP	02	49	47	
			Ki	i(P)	02	51	11	
»		3	Up	iP	05	57	06	
»		3	Up	iP	10	52	19C	
						μ	s	
				P		0.1	0.7	
			Ki	iP	10	51	33	
						μ	s	
				P		0.2	1.5	
				Southern Kurile Islands.				
»		3	Up	iP	13	14	48	
				Aleutian Islands.				
»		3	Up	i(P)	14	49	20	
»		3	Up	iP	15	51	50	
				Kurile Islands.				
»		3	Up	e(P)	20	37	47	
				Seismic?				
»		3	Up	iP	23	35	41	
						μ	s	
				P		0.2	1.3	
				Unimak Island, Alaska.				
»		4	Up	iP	12	25	06	
				Near west coast of Greece.				
»		4	Up	e(P)	20	28	12	
				i	20	28	31	
			Ki	iP	20	28	18	
				iPP	20	29	10	
				Caspian Sea.				
»		4	Up	eP	20	33	25	
»		5	Up	iPKP	01	13	21	
				Argentina-Chile border region.				

1956	Jan	5	Up	iP	17	09	44
»	5	Ki	e(P)		18	53	14
			Seismic?				
»	5	Ki	eP		20	28	58
			iS		20	30	23
			eT		20	35	09
			S	z'	μ 0.1	s 1.0	
			$\Delta=850$ km = $7\frac{1}{2}^\circ$.				
			Arctic Ocean.				
»	5	Up	iP		22	42	44
			Southern Kurile Islands.				
»	5	Up	e(P)		22	54	02
»	6	Up	iP		04	39	44
»	6	Up	i(P)		05	43	58
			Seismic?				
»	6	Up	iP		05	49	47
			Off coast of Portugal.				
»	6	Up	iP		07	10	19C
			i		07	10	30
			P	z'	μ 0.4	s 1.0	
			Ki iP		07	09	26
			Aleutian Islands.				
»	6	Up	iP		12	20	17
			i		12	20	19
			iS		12	23	57
			i!		12	27	13
			P	N	μ 1.8	s 4	
			P	z	2.1	4	
			P	z'	0.9	1.8	
			S	E	3.1	8	
			M	E	17	13	
			M	N	17	17	
			M	z	28	16	
			$\Delta=2200$ km = 20° .				
			Ki iP		12	21	36
			i		12	22	43
			i		12	28	20
			iLi		12	28	48
			i		12	31	47
			P	z'	μ 0.2	s 1.1	
			M	E	6.8	7	
			M	N	3.7	10	
			Aegean Sea.				
			Magn.=6.0 (Up, Ki).				
»	6	Up	iP		14	57	33
			iS		15	01	13
			i		15	01	34
			P	z'	μ 0.5	s 1.7	
			$\Delta=2150$ km = $19\frac{1}{2}^\circ$.				

1956	Jan	6	Ki	iP	14	58	46C
(cont.)			i		14	59	16
			i(Lgl)		15	06	37
			P	z'	μ 0.1	s 1.1	
			Black Sea.				
»	6	Up	iP		15	49	22
»	6	Up	iP		18	02	35
			P	z'	μ 0.5	s 1.0	
			Ki iP		18	01	42
			P	z'	μ 0.1	s 0.9	
			Aleutian Islands.				
»	6	Up	iP		18	15	32
			Ki eP		18	14	39
»	6	Up	iP		22	36	24C
			i		22	36	36
			P	z'	μ 0.3	s 1.4	
			Ki iP		22	35	45
			P	z'	μ 0.1	s 1.1	
			Off east coast of Honshu, Japan.				
»	6	Up	iP		23	28	24
»	7	Up	iP		09	27	29
			Ki iP		09	26	35
			Off east coast of Kamchatka.				
»	7	Up	iP		10	27	02
			P	z'	μ 0.2	s 1.0	
			Ki iP		10	26	09
			Aleutian Islands.				
»	7	Up	iP		10	43	20
			P	z'	μ 0.3	s 1.0	
			Ki iP		10	42	27 D
			Aleutian Islands.				
»	7	Up	iP		11	02	45
			P	z'	μ 0.1	s 1.0	
			Ki iP		11	01	51
			Aleutian Islands.				
»	7	Up	iP		11	22	33
			P	z'	μ 0.1	s 1.0	
			Ki iP		11	21	40
			Aleutian Islands.				
»	7	Up	iP		12	16	57
»	7	Up	iP		16	50	24
			P	z'	μ 0.2	s 1.0	

1956	Jan	7	Ki	iP	16	49	28
(cont.)			P	z'	μ 0.3	s 1.0	
			Yukon, Canada.				
»	7	Ki	eP		17	13	31
»	7	Up	iP		19	42	27
			Ki iP		19	42	14
			Near north coast of Celebes.				
»	8	Up	iP		07	24	20
			eS		07	34	52
			e		07	35	17
			M	E	μ 5.0	s 19	
			M	N	4.5	20	
			M	z	9.9	19	
			$\Delta\sim 9800$ km $\sim 88^\circ$.				
			Ki iP		07	24	04C
			iScS		07	34	51
			P	z'	μ 0.1	s 1.3	
			M	E	4.3	16	
			M	N	3.4	20	
			M	z	6.8	21	
			Mexico.				
			Magn.=6 (Up, Ki).				
			The amplitude of ScS at Kiruna is remarkably large.				
»	8	Up	iPKP		19	05	12
			New Britain region.				
»	8	Ki	eP		20	58	17
»	8	Up	iPKP		21	12	41
			iPP		21	12	57
			iSKS		21	19	01
			i!		21	19	18
			iS		21	20	16
			PKP	E	μ 1.9	s 6	
			PKP	z	3.1	6	
			PKP	z'	0.7	2.0	
			PP	z	6.2	6	
			S	N	5.2	12	
			M	E	15	21	
			M	N	5.6	22	
			M	z	19	20	
			$\Delta\sim 11800$ km $\sim 106^\circ$.				
			Ki ePKP		21	12	44
			iPP		21	13	04
			i		21	13	16
			e(SKS)		21	19	37
			iS		21	20	40
			iPS		21	22	31
			PP	z'	μ 0.2	s 1.5	
			S	N	6.7	12	
			M	E	9.1	20	

1956							
Jan	8		M	N	4.6	18	
(cont.)			M	Z	12	22	
			$\Delta \sim 12000 \text{ km} \sim 108^\circ$.				
			Northern Chile.				
			Magn.=7.0 (Up, Ki).				
»	8	Ki	iP		21	24	13
»	9	Up	iP		00	47	45
			i		00	47	49
»	9	Up	iP		00	58	39
		Ki	iP		00	57	54C
»	9	Up	iP		01	19	23
		Ki	iP		01	18	36
			Aleutian Islands.				
»	9	Up	iP		05	28	01
»	9	Up	iP		08	12	24C
			P	z'	μ 0.2	s 1.0	
		Ki	iP		08	11	39
			P	z'	μ 0.1	s 1.0	
			Near north coast of Hokkaido, Japan.				
»	9	Up	iPKP		08	15	52
			i		08	15	55
			PKP	z'	μ 0.2	s 1.0	
		Ki	iPKP		08	15	30
			Fiji Islands region.				
»	9	Up	iP		11	43	29
		Ki	iP		11	43	30
»	9	Up	iPKP		12	24	11
			iPKP		12	24	12
			iPKP		12	24	14
			iSKP		12	26	55
			i		12	27	15
			iSKKP		12	35	27
					μ 3.1	s 5	
			PKP	z	0.5	1.8	
			PKP	z'	0.5	1.3	
			SKP	z'	0.5	1.5	
			SKKP	z'	0.5	1.5	
			M	E	1.5	17	
			$\Delta \sim 15700 \text{ km} \sim 141^\circ$.				
		Ki	e(PKP)		12	23	49
			iPKP		12	23	55
			iPKP		12	24	04
			iSKP		12	26	37
			iPKS		12	27	33
			ipPKS		12	30	00
			isPKS		12	30	50
					μ 2.0	s 4	
			PKP	z	3.2	3.0	
			PKP	z'			

1956	Jan 9	SKP	z'	0.5	1.5
(cont.)		PKS	E	1.5	5
		PKS	N	1.2	5
		M	E	2.5	21
		$\Delta \sim 14800 \text{ km} \sim 133^\circ$.			
		Fiji Islands region. Deep (h ~ 650 km). The first PKP is clear, but very weak at both stations. The amplitudes of PKP refer to the second PKP for Upp- sala and the third for Kiruna.			
»	9	Ki	eP	13	55 17
		M	E	μ 2.9	s 19
		M	N	1.6	20
		M	Z	5.6	22
»	9	Up	eP	14	08 57
»	9	Ki	iP	14	18 18
»	9	Ki	iP	14	34 27
»	9	Ki	eP	15	39 46
»	9	Up	iP	15	50 08
»	9	Ki	eP	16	03 58
»	9	Ki	iP	16	36 50
»	9	Up	iP	17	14 33
»	9	Ki	iP	17	14 21
		P	z'	μ 0.2	s 1.5
		Mexico.			
»	9	Ki	e(P)	22	29 29
»	9	Up	iP	23	57 12
»	9	Ki	eP	23	58 21
»	10	Up	eP	06	15 08
		i		06	15 37
»	10	Up	e(P)	08	19 37
		Seismic?			
»	10	Up	e(PKP)	09	12 02
		iPKP		09	12 09
		iPKP		09	12 19
		i		09	12 39
		ePKS		09	16 09
		eSKKS		09	28 37
		eSS		09	34 20
		PKP	Z	μ 5.2	s 5
		PKP	Z'	1.6	2.5
		M	E	51	25
		M	N	46	24
		M	Z	69	24

1956						
Jan 10		$\Delta \sim 15950 \text{ km} \sim 143\frac{1}{2}^\circ$.				
(cont.)	Ki	ePKP	09	11	53	
		e	09	12	36	
		e	09	14	55	
		i!	09	15	01	
		iPKS	09	15	43	
				μ	s	
		PKS	N	8.7	15	
		M	E	44	23	
		M	N	25	21	
		M	Z	39	20	
		$\Delta \sim 15050 \text{ km} \sim 135\frac{1}{2}^\circ$.				
		Tonga Islands region.				
		Magn. = 7.3 (Up, Ki).				
		The initial PKP-phases are of very small amplitude and indefinite beginning, especially at Uppsala. The amplitude of PKP (Uppsala) refers to the third phase.				
»	10	Up	iPKP	09	46	15
		i		09	46	22
				μ	s	
		PKP	z'	0.2	1.3	
		Tonga Islands region.				
»	10	Up	iP	10	25	51
»	10	Up	iPKP	10	38	00
				μ	s	
		PKP	z'	0.1	1.1	
		Tonga Islands region.				
»	10	Up	eP	12	41	03
		i		12	41	21
		Ki	eP	12	42	24
»	10	Up	eP	12	43	41
		Ki	iP	12	43	18
		Off coast of Oregon, U.S.A.				
»	10	Up	iP	15	42	32
		Mexico.				
»	10	Up	iP	17	47	49
		Ki	iP	17	47	06
»	10	Up	e(P)	18	31	11
»	10	Up	iP	19	40	49
»	10	Up	iP	21	00	31
»	10	Up	iPKP	21	37	39
		South of Tonga Islands.				
»	10	Up	iP	21	52	26
		Ki	iP	21	50	20
»	10	Ki	iP	22	12	27

1956	Jan 10	Up	iPKP	22	13	41
			P	μ	s	
			z'	0.2	1.0	
		Tonga Islands region.				
»	11	Up	iP	03	39	47
»	11	Up	i(PKP)	06	00	13
			(PKP)	μ	s	
			z'	0.2	1.2	
		Ki	iPKP	05	59	41D
			PKP	μ	s	
			z'	0.1	1.3	
		North Island, New Zealand.				
»	11	Up	iP	06	21	56
			i(pP)	06	22	04
			i	06	28	07
			(P of new shock?)			
			i	06	29	06
			eS	06	31	44
			P	μ	s	
			z	4.4	5	
			P	μ	s	
			z'	0.4	1.1	
			(pP)	μ	s	
			z'	1.7	1.5	
			M	E	9.4	18
			M	N	10	20
			M	Z	15	18
			$\Delta \sim 8600 \text{ km} \sim 77\frac{1}{2}^\circ$.			
		Ki	iP	06	21	57D
			i(pP)	06	22	06
			eS	06	31	49
			P	μ	s	
			z'	0.2	1.4	
			(pP)	μ	s	
			z'	0.8	1.5	
			S	E	2.0	9
			S	N	2.6	9
			M	E	14	17
			M	N	9.6	22
			M	Z	13	17
			$\Delta \sim 8600 \text{ km} \sim 77\frac{1}{2}^\circ$.			
		Nicobar Islands.				
		Magn.=6.3 (Up, Ki).				
»	11	Up	iP	06	42	41
			i	06	42	49
			P	μ	s	
			z'	0.1	1.0	
		Ki	iP	06	42	43C
»	11	Up	iP	06	50	31
		Off south coast of Honshu, Japan.				
»	11	Up	iP	07	22	43
			P	μ	s	
			z'	0.1	1.0	
		Ki	eP	07	22	42
			i	07	22	55
		Nicobar Islands.				

1956						
Jan	11	Up	iPKP	11	05	07
			PKP	μ	s	
		Ki	ePKP	0.1	1.0	
		Kermadec Islands region.				
»	11	Up	e(P)	11	26	01
		Ki	e(P)	11	25	59
»	11	Up	iP	13	21	11
»	11	Ki	iP	19	41	20
»	11	Up	eP	20	40	57
»	11	Up	iP	22	24	38
		Pakistan.				
»	11	Up	e(P)	22	55	06
		i		22	57	31
		Indefinite beginning.				
»	11	Up	e(P)	23	14	34
		Seismic?				
»	12	Up	iP	00	01	20
		Aegean Sea.				
»	12	Up	iP	01	19	20
		P	z'	μ	s	
				0.1	1.0	
»	12	Up	iP	02	34	14
»	12	Up	iP	02	35	54
»	12	Up	iPKP	02	39	39 D
		PKP	z'	μ	s	
		Tonga Islands region.				
»	12	Up	iP	03	24	01
»	12	Up	iP	05	15	02
		i		05	15	13
		i		05	19	03
»	12	Ki	eP	05	47	29
»	12	Up	iP	05	49	08 C
		iLgl		05	52	42
		iLg2		05	53	03
		i(PcP)		05	54	54
		P	N	μ	s	
		P	Z	0.7	2	
		P	Z'	2.2	3	
		M	E	1.2	1.6	
		M	N	22	6	
		M	Z	9.2	7	
		Ki	iP	18	7	
				05	50	50 C

1956 Jan 12 (cont.)	i	05	50	59
	iS	05	54	41
	iSS	05	55	12
	i(Lg1)	05	56	41
	iLg1	05	57	03
	i(Lg2)	05	57	19
	P	z'	μ	s
	S	E	2.9	5
	S	N	1.8	5
	M	E	34	14
	M	N	9.8	7
	M	Z	9.9	10
	$\Delta = 2350 \text{ km} = 21^\circ$.			
	Hungary. Magn. = 6.0 (Ki).			
	The channel waves are exceptionally clear.			
» 12 Up	iP	05	59	40
	P	z'	μ	s
			0.2	1.2
» 12 Up	iPKP	06	20	54
	iPKP	06	21	05
	PKP	z'	μ	s
			0.1	0.9
	Tonga Islands region.			
» 12 Up	iPKP	06	29	51
	iPKP	06	30	03
	PKP	z'	μ	s
			0.2	1.0
	Ki ePKP	06	29	50
	Tonga Islands region.			
	The second PKP phase (Up) has the largest amplitude, given here.			
» 12 Ki	eP	06	48	20
» 12 Ki	eP	07	24	55
» 12 Up	eP	11	52	13
	Ki iP	11	51	44
» 12 Up	iP	12	29	01
	i	12	29	05
	Ki e(P)	12	28	33
» 12 Up	iP	12	50	08
» 12 Ki	eP	14	38	18
» 12 Up	e(P)	21	02	07
» 12 Up	iP	22	44	22
» 12 Up	iP	23	06	53
	i	23	07	07
	P	z'	μ	s
			0.1	1.1
» 13 Up	iPKP	01	04	33

1956 Jan 13 (cont.)	PKP	z'	μ	s
			0.1	1.0
	Kermadec Islands region.			
» 13 Up	iPKP	02	24	50
	Tonga Islands region.			
» 13 Up	iP	02	41	09
» 13 Up	iP	02	54	10C
	P	z'	μ	s
			0.1	1.0
» 13 Up	iPKP	03	22	14
	Tonga Islands region.			
» 13 Up	iPKP	03	24	23
	Tonga Islands region.			
» 13 Up	iP	03	37	22C
	P	z'	μ	s
			0.2	1.2
	Ki iP	03	36	26
	Sk eP	03	37	07
	Off east coast of Kamchatka.			
» 13 Up	iP	03	37	52D
	eS	03	46	05
	P	z'	μ	s
			0.4	1.5
	S	N	1.0	10
	M	E	4.8	20
	M	N	3.6	20
	M	Z	7.0	20
	$\Delta = 6650 \text{ km} = 60^\circ$.			
	Ki iP	03	36	55C
	eS	03	44	23
	P	z'	μ	s
			0.3	1.0
	S	E	1.5	10
	S	N	0.9	10
	M	E	7.4	19
	M	N	4.9	20
	M	Z	6.1	20
	$\Delta = 5850 \text{ km} = 52\frac{1}{2}^\circ$.			
	Sk iP	03	37	32
	Off east coast of Kamchatka.			
	Magn. = 6.1 (Up, Ki).			
» 13 Up	iP	04	48	24
» 13 Up	iPKP	06	35	49
	PKP	z'	μ	s
			0.1	1.2
	Ki ePKP	06	35	41
	PKP	z'	μ	s
			0.1	1.3
	Sk iPKP	06	35	50
	South Pacific.			
» 13 Up	iPKP	12	32	13

1956 Jan 13 (cont.)	PKP	z'	μ	s
			0.3	1.0
	Ki ePKP	12	31	52
	Tonga Islands region.			
» 13 Up	iP	20	05	36
	Greece.			
» 14 Ki	iP	07	38	31
» 14 Ki	iP	08	21	29
» 14 Up	iP	14	19	47
	eS	14	29	01
	P	z'	μ	s
			0.2	1.1
	M	E	5.9	18
	M	N	3.8	18
	M	Z	6.6	19
	Ki eP	14	18	53
	iP	14	18	56
	i	14	19	12
	ePcS	14	23	36
	eS	14	27	10
	P	z'	μ	s
			0.1	1.0
	S	E	1.0	16
	M	E	3.4	18
	M	N	3.2	17
	M	Z	5.8	18
	$\Delta = 6800 \text{ km} = 61^\circ$.			
	Aleutian Islands.			
	Magn. = 5.9 (Up, Ki).			
» 14 Up	iP	14	35	47C
	P	z'	μ	s
			0.3	1.0
	Ki iP	14	35	03C
	P	z'	μ	s
			0.2	1.2
	Off east coast of Hokkaido, Japan.			
» 14 Up	iP	17	51	33
» 14 Ki	iP	18	44	19
	Mid-Atlantic Ocean.			
» 15 Up	eP	00	15	34
» 15 Ki	eP	01	36	14
	South of Guam.			
» 15 Ki	e(P)	01	42	15
» 15 Up	iP	09	22	50
	Ki eP	09	23	51
» 15 Up	iPKP	10	36	21
	i	10	36	32
	PKP	z'	μ	s
			0.2	1.3
	Tonga Islands region.			

1956						
Jan 15	Up	iP		15	13	19
» 15	Up	iPKP		19	01	17
		Tonga Islands.				
» 15	Up	iP		21	15	27C
		P	z'	μ	μ	μ
		Ki iP		21	14	41
		Kurile Islands.				
» 16	Up	iPKP		02	18	49
		New Ireland region.				
		Intermediate depth (h ~ 150 km).				
» 16	Up	iP		23	51	03
		iPP		23	54	51
		iSKS		00	01	33
		eS		00	02	11
		iPS		00	03	33
		P	E	μ	μ	μ
		P	Z	12	12	14
		PP	E	8.4	20	
		PP	Z	14	20	
		PP	Z'	0.3	1.5	
		SKS	E	7.7	10	
		S	N	22	22	
		M	E	26	19	
		M	N	21	20	
		M	Z	44	19	
		$\Delta \sim 10550 \text{ km} \sim 95^\circ$.				
	Ki	iP		23	51	00C
		i(P)		23	51	05
		iPP		23	54	49
		i(PP)		23	54	59
		iSKS		00	01	38
		iS		00	02	02
		P	E	μ	μ	μ
		P	Z	12	12	14
		(P)	Z'	0.7	1.9	
		PP	E	5.0	9	
		PP	Z	5.2	9	
		(PP)	Z'	1.2	2.3	
		SKS	E	8.5	9	
		SKS	N	2.2	9	
		S	E	19	10	
		S	N	23	20	
		M	E	79	25	
		M	N	32	24	
		M	Z	99	24	
		$\Delta = 10450 \text{ km} = 94^\circ$.				
	Sk	iP		23	50	51
		iPP		23	54	28
		$\Delta \sim 10200 \text{ km} \sim 92^\circ$.				
		Near coast of Ecuador.				
		Magn.=7.0 (Up, Ki).				
» 17	Ki	eL		08	54	

1956					
Jan 17					
(cont.)					
	M	E	μ	s	
	M	N	2.1	21	
	M	Z	1.3	19	
			3.4	21	
Pacific Ocean.					
» 17	Up	e	11	51	02
	Ki	iP	11	50	53
» 17	Ki	e(P)	12	54	06
» 17	Ki	e(P)	14	39	04
» 17	Ki	e(P)	17	51	29
» 17	Ki	ePKP	19	18	59
Solomon Islands region.					
» 17	Ki	e(P)	19	29	16
» 18	Ki	e(P)	03	49	00
» 18	Ki	e(P)	05	10	43
» 18	Ki	e(P)	07	27	26
» 18	Ki	e(P)	07	47	39
» 18	Up	e	08	36	08
	M	E	μ	s	
	M	N	5.1	25	
	M	Z	1.8	20	
			6.1	23	
Northern Chile.					
» 18	Ki	e(P)	11	12	42
» 18	Up	eP	14	32	48
» 18	Ki	iP	19	48	34
» 19	Ki	iP	06	23	03
» 19	Up	iP	08	50	08
	Ki	iP	08	49	36
South of Honshu, Japan. Deep (h ~ 500 km).					
» 19	Ki	iP	14	17	39
	Sk	iP	14	17	41
» 19	Up	eP	19	59	42
	M	E	μ	s	
	M	N	1.3	14	
	M	Z	2.6	18	
			3.1	18	
	Ki	eP	19	59	42
	M	E	μ	s	
	M	N	1.0	16	
	M	Z	1.8	18	
			0.8	14	
Nepal-Tibet border.					

1956						
Jan	20	Ki	e(P)	00	24	20
»	20	Up	iP	03	49	35
		Ki	iP	03	48	59
South of Honshu, Japan. Deep.						
»	20	Up	iP	04	44	24
Kurile Islands.						
»	20	Ki	iP	05	13	18
Aleutian Islands.						
»	20	Ki	e(P)	05	35	41
»	20	Ki	e(P)	06	29	23
»	20	Ki	e(P)	07	27	30
»	20	Ki	iP	22	27	53
		P	z'	μ 0.1	s 1.0	
»	21	Up	i(Sn)	01	53	37
		i		01	53	42
		i(S*)		01	54	08
	Ki	ePg		01	51	45
		iSg		01	52	14
		Sg	z'	μ 0.1	s 0.8	
		$\Delta=240$ km=2.2°.				
	Sk	ePg		01	52	06
		iSg		01	52	46
		$\Delta=340$ km=3.1°.				
Swedish Lapland, 66.0°N, 17.6°E. Origin time=01 51 02. Felt at Arjeplog, Sweden.						
»	21	Ki	iP	06	49	42
»	21	Up	iP	09	55	36
		Ki	eP	09	56	53
		Sk	iP	09	56	19
Greece.						
»	21	Up	eP	11	02	10
»	21	Up	iPKP	12	42	26
		PKP	z'	μ 0.1	s 1.0	
	Ki	ePKP		12	42	08
		iPP		12	44	37
		i		12	44	40
		PP	z'	μ 0.1	s 1.0	
Tonga Islands region.						
»	21	Ki	iP	14	08	11
		Sk	eP	14	08	14
»	21	Up	iP	17	46	05

1956					
Jan 21					
(cont.)					
	P	z'	μ	s	
			0.3	1.3	
Ki	iP		17	46	00
	P	z'	μ	s	
			0.2	1.2	
Sk	iP		17	46	21
	i		17	46	28
Assam-Burma border. Magn.=6.1 (Up, Ki).					
» 22	Ki	iP	01	00	19
	Sk	iP	01	00	47
Kodiak Island region, Alaska.					
» 22	Ki	iP	01	07	23
	P	z'	μ	s	
			0.1	1.0	
Sk	iP		01	07	51
Kodiak Island region, Alaska.					
» 22	Up	iP	14	35	44
	P	z'	μ	s	
			0.2	1.3	
Ki	i(P)		14	35	41
» 23	Up	iP	00	57	00
	P	z'	μ	s	
			0.2	1.4	
Ki	iP		00	56	04
	P	z'	μ	s	
			0.2	1.0	
Sk	iP		00	56	33
Kodiak Island region, Alaska.					
» 23	Up	iP	03	57	38C
	P	z'	μ	s	
			0.2	1.0	
	M	E	4.2	20	
	M	N	5.4	20	
	M	Z	11	21	
Ki	iP		03	56	42C
	i		03	56	58
	iS		04	04	11
	P	z'	μ	s	
			0.2	0.9	
	S	E	1.4	8	
	S	N	0.7	8	
	M	E	4.2	20	
	M	N	2.6	17	
	M	Z	5.2	17	
	$\Delta = 5900 \text{ km} = 53^\circ$.				
Sk	iP		03	57	18
	i		03	57	26
Near east coast of Kamchatka. Magn.=6.0 (Up, Ki).					
» 23	Up	iP	07	48	20C
	P	z'	μ	s	
			0.1	1.2	
Ki	iP		07	48	05
	iPP		07	51	48

1956					
Jan 23					
(cont.)					
	P	z'	μ	s	
			0.2	1.0	
Sk	iP		07	48	26C
Mindanao. Deep (h ~ 650 km).					
» 23	Ki	iP	11	43	46D
» 23	Up	iP	12	25	32
» 23	Up	iP	13	01	08C
	P	z'	μ	s	
			0.2	0.8	
» 24	Up	iPKP	08	25	48
	PKP	z'	μ	s	
			0.1	1.0	
Sk	iPKP		08	25	40
Kermadec Islands region.					
» 24	Up	iP	08	41	28
» 24	Up	iP	12	26	08
	Ki	iP	12	25	22
Kurile Islands.					
» 24	Ki	iP	13	29	45
» 24	Ki	iP	13	33	32
» 24	Ki	e(P)	14	43	37
» 24	Ki	eP	15	56	26
» 24	Ki	e(P)	19	04	55
» 24	Up	eP	20	03	46
» 24	Ki	e(P)	20	32	51
	i(Sg)		20	33	18
Local?					
» 24	Ki	iP	20	38	59
» 25	Ki	iP	03	12	18
» 25	Up	iP	04	28	22
» 25	Up	eP	06	01	18
» 25	Ki	iP	06	16	58
» 25	Ki	i(P)	06	57	24
» 25	Ki	iP	07	22	31
» 25	Ki	eP	07	42	07
» 25	Up	iP	07	50	53
» 25	Up	iP	08	53	21

1956	Jan 25	Up	iPKP i	11 07 25 11 07 32					
			PKP Tonga Islands region.	μ 0.2	s 1.3				
»	25	Ki	iP	13 12 40					
»	25	Ki	i(P)	13 57 26					
»	25	Ki	i(P)	14 29 04					
»	25	Ki	i(P)	18 12 41					
»	25	Up	iP	18 33 09					
»	25	Ki	e(P)	18 56 48					
»	25	Ki	e(P)	19 45 37					
»	25	Ki	eP i	20 38 12 20 38 14					
		P	z'	μ 0.1	s 0.7				
»	26	Up	iP	01 36 26					
		Ki	iP	01 35 33					
»	26	Up	iP	03 57 39					
		Ki	iP	03 56 12					
		P	z'	μ 0.1	s 1.7				
»	26	Ki	i(P)	04 51 51					
»	26	Ki	e(P)	07 51 53					
		Sk	iP	07 47 28					
»	26	Ki	e(P)	09 51 26					
»	26	Ki	e(P)	10 17 03					
»	26	Ki	eP i	10 32 07 10 32 09					
»	26	Up	iP	10 47 42					
		P	z'	μ 0.3	s 1.0				
		Ki	i(P)	10 51 44					
»	26	Ki	iP	13 29 50					
»	26	Up	eP	15 06 28					
»	26	Ki	i	15 56 50					
		M	N	μ 0.9	s 2.2				
»	26	Ki	e(P)	16 07 38					
»	26	Up	eP	17 48 58					

1956	Jan 26	Ki	e(P)	18 18 16					
»	26	Ki	e(P)	19 28 42					
»	26	Ki	i(P)	21 10 39					
»	26	Up	iPKP South of Kermadec Islands.	23 49 41					
»	27	Up	iP	01 18 35 D					
		Ki	i	01 18 50					
		Sk	iP	01 19 45					
		i		01 19 40					
			Aegean Sea.						
»	27	Ki	e(P)	02 12 02					
»	27	Up	iP	06 55 48					
»	27	Ki	eP	07 59 46					
»	27	Ki	eP	08 28 43					
»	27	Ki	eP	09 59 14					
»	27	Up	iP	10 14 54 C					
		P	z'	μ 0.1	s 1.0				
		M	E	2.8 12					
		M	N	4.0 18					
		M	Z	5.6 11					
		Ki	iP	10 14 43 C					
		M	E	1.9 13					
		M	N	0.7 11					
		M	Z	2.0 13					
		Sk	iP	10 15 10 C					
			Sinkiang, China.						
»	27	Ki	eP	13 10 48					
»	27	Up	iP	13 42 12					
»	27	Up	iPKP	13 58 23					
		PKP	z	μ 0.9	s 3				
		PKP	z'	0.5 1.4					
		Ki	iPKP	13 58 12 C					
		ePP		14 01 02					
		eScSP		14 11 22					
		PKP	z'	μ 0.1	s 1.5				
		Sk	iPKP	13 58 18					
			Tonga Islands region.						
»	27	Ki	iP	14 19 42					
			Off east coast of Mindanao.						
»	27	Ki	e(P)	14 51 19					

1956	Jan 27	Ki	eP	15 37 24					
Jan 27	Ki	eP		18 05 33					
»	27	Ki	iP	18 45 51 C					
		Pamir.							
»	27	Ki	e(P)	20 13 29					
»	28	Up	iP	00 25 27					
»	28	Ki	e(P)	05 01 50					
»	28	Up	iP	05 03 31					
		M	E	μ 1.1	s 17				
		M	N	1.6 18					
		M	Z	2.9 17					
		Ki	iP	05 04 09					
		P	z'	μ 0.2	s 2.0				
		M	E	1.7 24					
		M	N	1.7 22					
		M	Z	4.1 25					
		Sk	iP	05 03 34					
			Mid-Atlantic Ocean.						
»	28	Ki	e(P)	05 40 51					
»	28	Ki	e(P)	06 57 21					
»	28	Ki	e(P)	08 11 37					
		M	E	μ 1.6	s 18				
		M	N	1.2 18					
		M	Z	2.7 19					
»	28	Ki	i(P)	10 26 30					
»	28	Ki	iP	14 30 27					
		Sk	iP	14 30 25					
»	28	Ki	e(P)	14 36 11					
»	28	Ki	e(P)	15 45 49					
»	28	Up	e(P)	22 10 33					
»	29	Up	eP	01 50 57					
»	29	Up	iP	03 48 49 D					
		Ki	iP	03 48 56					
			Near south coast of Arabia.						
»	29	Up	iP	22 32 57 C					
		i		22 33 09					
		P	z'	μ 0.4	s 1.5				
		M	E	6.2 16					
		M	N	3.7 16					
		M	Z	9.6 16					

1956	Jan 29	Ki	iP	22 32 35					
(cont.)		i		22 32 48					
		P	z'	μ 0.3	s 1.7				
		M	E	5.0 17					
		M	N	1.4 16					
		M	Z	5.4 19					
			Off south coast of Formosa.						
»	30	Up	iP	05 56 26					
			West of Honshu, Japan.						
»	30	Up	iPKP	08 52 44					
		Ki	iPKP	08 52 37					
			Fiji Islands.						
			Deep (h ~ 600 km).						
»	30	Up	iPKP	09 02 58					
		iPKP2		09 03 16					
		PKP2	z'	μ 0.3	s 1.5				
		M	N	3.4 19					
		M	Z	7.5 18					
		Ki	iPKP	09 02 41					
		PKP	z'	μ 0.5	s 1.5				
		M	E	4.7 20					
		M	N	2.6 19					
		M	Z	6.1 20					
			Off coast of North Island, New Zealand.						
			Magn. = 6.6 (Up, Ki).						
»	30	Ki	e(P)	09 21 44					
»	30	Up	iPKP	10 21 55					
		Ki	iPKP	10 21 32					
		i		10 21 37					
		PKP	z'	μ 0.1	s 1.2				
			New Zealand.						
»	30	Up	iPKP	19 27 51 D					
		PKP	z'	μ 0.2	s 1.0				
		Ki	iSKP	19 30 23					
			South of Fiji Islands.						
»	31	Ki	iPKP	00 57 47					
			New Hebrides Islands.						
»	31	Up	e	02 32 13					
		Ki	iP	02 30 35					
			Northern part of the Adriatic Sea.						
»	31	Ki	iP	05 24 03					
»	31	Ki	iP	05 36 33					
			Volcano Islands region.						
»	31	Ki	iP	07 09 37					

1956	Jan 31	Up	iPKP	09 35 08 D
			μ s	
		Ki	PKP z'	0.1 1.0
			iPKP	09 34 56 D
			μ s	
			PKP z'	0.1 1.0
			New Ireland. Deep (h ~ 400 km).	
»	31	Ki	eP	19 55 08
»	31	Ki	iP	20 19 11
Feb 1	Up	i(PKP)	01 52 05	
		iPKP	01 52 19	
		iPKS	01 55 49	
			μ s	
		PKP z'	0.1 1.0	
		M E	2.8 21	
		M N	3.8 21	
		M Z	4.4 21	
		Ki	e(PKP)	01 52 00
			iPKP	01 52 05
			μ s	
		PKP z'	0.2 1.0	
		M E	3.0 23	
		M N	1.7 22	
		M Z	4.2 23	
			Loyalty Islands. Magn.=6.3 (Up, Ki). The first (PKP) is very small at both stations.	
»	1	Ki	eP	05 23 05
»	1	Ki	eP	06 21 35
»	1	Ki	eP	08 16 33
»	1	Ki	iP	09 40 01
»	1	Up	iP	13 54 12 D
			ipP	13 55 40
			iPP	13 57 52
			iSKS	14 04 06
			iS	14 04 27
			iSP	14 05 44
			iPKKP	14 11 36
			μ s	
		P E	0.6 2	
		P N	0.8 2	
		P Z	5.0 2	
		P z'	3.7 1.8	
		PP z'	1.4 1.6	
		SKS E	1.1 4	
		S E	1.2 4	
		S N	1.3 3	
		M E	6.2 17	
		M N	5.7 20	
		M Z	8.8 17	
			$\Delta=9950 \text{ km}=89\frac{1}{2}^\circ$.	

1956	Feb 1	Ki	iP	13 53 44 D
(cont.)			i	13 54 53
			ipP	13 55 08
			iS	14 03 29
			i	14 06 03
			i	14 06 10
			iPKKP	14 11 49
			μ s	
		P E	2.1 8	
		P N	1.4 8	
		P Z	6.3 8	
		P z'	2.6 1.0	
		S E	3.2 8	
		S N	6.0 8	
		S z'	0.2 1.5	
		PKKP z'	0.1 1.5	
		M E	5.0 17	
		M N	2.9 16	
		M Z	6.5 17	
			$\Delta=9300 \text{ km}=83\frac{1}{2}^\circ$.	
			Marianas Islands. h=370 km (Up, Ki). Magn.=6.8 (Up, Ki).	
»	1	Up	iP	15 15 14 D
			i	15 15 26
			iS	15 18 50
			iScS	15 26 09
			μ s	
		P N	0.9 2	
		P Z	1.3 2	
		P z'	1.7 1.2	
		S E	0.8 2	
		S N	1.8 2	
		S z'	1.3 1.5	
		Ki	iP	15 16 29 D
			i(pP)	15 17 24
			μ s	
		P Z	0.9 3	
		P z'	1.2 1.2	
			Tyrrhenian Sea. Intermediate depth. Magn.=6.4 (Up, Ki).	
»	1	Ki	iP	16 41 57
»	1	Ki	iP	18 20 30
»	1	Up	iP	18 40 38
		Ki	eP	18 41 48
			Aegean Sea.	
»	1	Up	iP	21 00 34
»	2	Ki	e(P)	01 25 47
»	2	Up	iP	03 32 04
		Ki	iP	03 32 27
			Atlantic Ocean.	
»	2	Up	iP	19 34 37
		Ki	iP	19 35 04

1956	Feb 3	Up	iP	03 29 44
»	3	Up	iP	05 09 49
		Ki	e(P)	05 14 18
»	3	Ki	e(P)	06 03 16
»	3	Up	eP	13 22 36
		Ki	iP	13 23 21 C
			μ s	
		P z'	0.3 1.4	
			Eastern Irak.	
»	3	Up	iP	13 26 14
		Ki	iP	13 25 49
			μ s	
		P z'	0.1 1.0	
»	3	Ki	eP	13 47 22
			Northern part of the Adriatic Sea.	
»	3	Up	iP	21 48 41
			iPcP	21 49 16
			μ s	
		P z'	0.1 1.2	
		Ki	iP	21 49 28
			μ s	
		P z'	0.2 1.5	
			Lake Tanganyika region.	
»	3	Up	iP	23 37 14
»	4	Up	e(P)	05 52 43
»	4	Ki	eP	12 52 46
»	4	Ki	iP	20 29 31
			Off south coast of Honshu, Japan.	
»	4	Up	iP	22 23 44
			Lake Tanganyika region.	
»	5	Up	iP	20 49 29 D
			μ s	
		P z'	0.1 1.0	
		Ki	iP	20 49 11
			μ s	
		P z'	0.1 1.0	
			Molucca Passage.	
»	6	Up	iP	02 36 33
»	7	Up	i(P)	09 40 13
			Seismic?	
»	7	Ki	e(P)	14 18 18
			Seismic?	
»	7	Up	e(P)	14 47 41
»	7	Ki	iP	20 10 40
»	7	Up	iP	20 25 18

1956	Feb 8	Ki	e(P)	04 23 10
»	8	Ki	eP	04 27 49
»	9	Up	e(P)	03 39 17
»	9	Up	iP	08 55 47
»	9	Up	iP	14 44 56
			iS	14 55 08
			μ s	
		P N	0.4 3	
		P Z	0.8 3	
		P z'	1.1 2.0	
		S E	12 20	
		S N	11 19	
		M E	74 21	
		M N	68 17	
		M Z	88 16	
			$\Delta \sim 9000 \text{ km} \sim 81^\circ$.	
		Ki	iP	14 44 24
			eS	14 53 58
			μ s	
		P Z	2.7 13	
		P z'	1.2 2.5	
		S E	5.2 14	
		S N	3.2 14	
		M E	57 19	
		M N	30 16	
		M Z	68 16	
			$\Delta=8350 \text{ km}=75^\circ$.	
			Lower California. Magn.=6.7 (Up, Ki).	
»	9	Up	iP	15 36 45
			μ s	
		P z'	0.2 1.5	
		Ki	iP	15 36 12
			μ s	
		P z'	0.1 1.2	
			Lower California.	
»	9	Up	e(P)	16 42 09
		Ki	iP	16 41 48
			Lower California.	
»	9	Ki	eP	17 11 36
			Lower California.	
»	9	Ki	iP	17 39 41
»	9	Up	iP	18 25 08
»	9	Ki	iP	19 00 34
			μ s	
		M E	0.7 15	
		M N	0.5 16	
		M Z	1.2 15	
			Lower California.	
»	9	Up	iP	22 07 05

1956	Feb 9	Ki	iP	22	06	27
(cont.)			Honshu, Japan.			
» 10	Up	iP		00	14	10C
		i		00	14	18
		P	z'	μ	s	
		M	E	0.8	1.3	
		M	N	3.5	17	
		M	Z	2.7	20	
		M	Z	4.1	17	
Ki	iP			00	13	30C
	iPP			00	15	52
		P	z'	μ	s	
		M	E	0.2	1.0	
		M	E	3.7	22	
		M	N	1.8	18	
		M	Z	3.4	17	
Off coast of Honshu, Japan. Slightly deeper than normal. Magn.=6.4 (Up, Ki).						
» 10	Up	iP		00	46	15
» 10	Up	e(P)		01	26	40
» 10	Up	iP		04	05	38
		P	z'	μ	s	
		M	E	0.2	1.0	
Ki	iP			04	05	36C
		P	z'	μ	s	
		M	E	0.2	1.0	
Near south coast of Sumatra.						
» 10	Up	iP		04	26	31
	Ki	iP		04	25	41C
» 10	Ki	i(P)		13	28	45
» 10	Up	iP		15	38	15
» 10	Up	eP		18	25	10
		P	z'	μ	s	
		M	E	0.1	1.5	
Lower California.						
» 10	Up	iP		18	52	52
		i		18	53	06
	Ki	iP		18	52	33
Southeast of Luzon.						
» 11	Up	iP		04	58	19
» 11	Up	iP		05	50	45
		i		05	51	00
		P	z'	μ	s	
		M	E	0.2	1.4	
Ki	iP			05	50	48
Off north coast of Sumatra.						
» 11	Up	iP		06	56	36
Atlantic Ocean.						

1956	Feb 11	Up	iP	13	46	49
» 12	Up	iP		03	47	38
» 12	Up	iP		12	01	31D
		i!		12	01	41
		iS		12	11	32
		iScS		12	11	55
		P	E	μ	s	
		P	Z	1.4	7	
		P	Z'	2.6	7	
		P	Z'	0.6	1.2	
		i!	Z'	1.0	1.1	
		S	E	3.5	9	
		M	E	20	14	
		M	N	21	18	
		M	Z	20	13	
$\Delta=8900$ km= 80° .						
Ki	iP			12	01	12D
	i!			12	01	22
	iS			12	10	56
	eSS			12	15	52
		P	Z	μ	s	
		P	Z'	3.8	10	
		P	Z'	0.3	1.3	
		i!	Z'	0.9	1.4	
		S	E	4.5	10	
		M	E	37	13	
		M	N	12	14	
		M	Z	43	13	
$\Delta=8500$ km= $76\frac{1}{2}^\circ$.						
Off northwest coast of Luzon.						
Magn.=6.6 (Up, Ki).						
» 12	Up	iP		12	10	31
		P	z'	μ	s	
		M	E	0.1	0.9	
Ki	iP			12	10	13
(Luzon).						
» 12	Up	iP		12	13	27
	Ki	iP		12	13	07
(Luzon).						
» 12	Up	iP		12	20	58
		i		12	21	26
	Ki	iP		12	20	39
Luzon.						
» 12	Up	iP		12	29	43
	Ki	iP		12	29	22
Luzon.						
» 12	Up	iP		14	19	20
» 12	Up	iP		14	35	38
	Ki	eP		14	35	18
(Luzon).						
» 12	Up	iP		17	38	44
	Ki	iP		17	38	54
Hindu Kush.						

1956	Feb 12	Up	iP	19	52	27
	Ki	iP		19	52	08
Luzon.						
» 12	Up	iP		20	03	35
		M	N	μ	s	
		M	Z	1.4	13	
		M	Z	1.4	14	
	Ki	iP		20	03	17
		M	E	μ	s	
		M	N	1.6	14	
		M	Z	1.1	16	
		M	Z	1.2	12	
(Luzon).						
» 12	Up	iP		20	11	16
» 13	Up	iP		01	13	59
South Atlantic.						
» 13	Up	iP		01	54	29
		i(P)		01	55	54
» 13	Up	iP		01	59	14
		i		01	59	21
		M	N	μ	s	
		M	Z	0.8	13	
Ki	iP			01	58	55
(Luzon).						
» 13	Up	iP		02	00	32
	Ki	iP		02	00	22
		M	E	μ	s	
		M	N	1.3	14	
		M	Z	0.5	14	
		M	Z	1.1	13	
» 13	Up	iP		02	24	20
	Ki	iP		02	24	00
Luzon.						
» 13	Up	iP		03	56	54
		i		03	57	03
		M	E	μ	s	
		M	N	2.1	18	
		M	Z	1.3	15	
		M	Z	2.5	18	
Ki	iP			03	56	34
		M	E	μ	s	
		M	N	2.9	11	
		M	Z	1.2	18	
		M	Z	2.4	12	
Luzon.						
» 13	Up	iP		08	31	06
	Ki	iP		08	30	48
		M	E	μ	s	
		M	N	0.4	12	
		M	Z	0.5	14	
		M	Z	0.5	11	
(Luzon).						

1956	Feb 13	Up	eP	08	44	33
	Ki	eP		08	44	23
		M	E	μ	s	
		M	N	1.0	14	
		M	Z	0.4	14	
		M	Z	1.2	13	
» 13	Ki	e(P)		12	26	26
		i(Sg)		12	26	57
Local?						
» 13	Up	iP		12	35	29
	Ki	i(P)		12	34	44
» 13	Ki	eP		12	53	36
» 13	Up	iP		13	30	01
» 13	Up	iP		14	33	02
	Ki	iP		14	32	45
Luzon.						
» 13	Up	iP		14	39	24D
		iPcP		14	39	54
		P	z'	μ	s	
		M	E	0.3	0.9	
		M	E	4.2	16	
		M	N	2.8	16	
		M	Z	4.8	14	
Ki	iP			14	38	35D
	e(ScP)			14	42	26
		P	z'	μ	s	
		M	E	0.3	1.0	
		M	E	7.5	12	
		M	N	2.2	15	
		M	Z	7.6	12	
Sea of Okhotsk. Deep. No observable pP at Uppsala or Kiruna.						
» 13	Ki	eP		15	18	20
» 13	Up	iP		15	44	29
	Ki	iP		15	44	33D
		P	z'	μ	s	
		M	E	0.1	1.0	
Off north coast of Puerto Rico.						
» 13	Ki	eP		19	31	35
» 13	Up	iP		22	52	01
		P	z'	μ	s	
		M	E	0.1	1.1	
Ki	iP			22	51	41
		M	E	μ	s	
		M	N	1.6	12	
		M	Z	0.4	13	
		M	Z	1.3	13	
Luzon.						
» 13	Up	iP		23	00	55
	Ki	iP		23	00	35

1956 Feb 13 (cont.)	M	N	μ 0.5	s 12	
» 14 Up	iP		01	04	22C
	i		01	04	35
	P	z'	μ 0.5	s 1.4	
Ki	iP		01	03	44C
	eS		01	12	48
	P	z'	μ 0.2	s 1.0	
	M	E	1.6	18	
	M	N	0.6	18	
	M	Z	1.2	18	
Japan. Magn.=6.2 (Up, Ki).					
» 14 Ki	eP		07	22	01
	M	E	μ 0.5	s 12	
	M	Z	0.4	11	
» 14 Up	iP		07	50	28
Ki	iP		07	50	08
	M	E	μ 1.0	s 13	
	M	Z	1.3	13	
Luzon.					
» 14 Up	iP		08	33	15
	i		08	33	36
	M	E	μ 1.1	s 17	
	M	N	1.4	16	
	M	Z	1.4	16	
Ki	iP		08	32	56
	M	E	μ 2.6	s 12	
	M	N	0.9	15	
	M	Z	1.9	12	
Luzon.					
» 14 Up	iP		09	58	51
	P	z'	μ 0.3	s 1.3	
	M	E	0.6	10	
	M	Z	0.8	10	
Ki	iP		09	59	59
	P	z'	μ 0.3	s 1.5	
	M	E	1.2	15	
	M	N	0.7	13	
	M	Z	0.9	14	
Algeria. Magn.=5.9 (Up, Ki).					
» 14 Up	iP		12	45	59
	iS		12	56	10
Ki	iP		12	45	41
	e		12	55	37
Luzon.					

1956 Feb 14 Up	iP		12	47	19
	eS		12	57	22
	P	z'	μ 0.3	s 1.5	
	M	E	4.0	19	
	M	N	4.2	16	
	M	Z	6.3	20	
$\Delta=8900$ km=80°.					
Ki	iP		12	46	59
	eS		12	56	38
	e		12	56	53
	P	z'	μ 0.3	s 1.5	
	S	E	1.0	13	
	M	E	7.4	12	
	M	N	2.1	16	
	M	Z	7.3	12	
$\Delta=8450$ km=76°.					
Luzon. Magn.=6.2 (Up, Ki).					
» 14 Up	iP		18	45	55
	eS		18	56	08
	P	z'	μ 0.6	s 1.4	
	S	N	1.2	10	
	M	E	5.9	18	
	M	N	7.5	17	
	M	Z	7.6	17	
$\Delta=9150$ km=82½°.					
Lower California. Magn.=6.3 (Up).					
» 14 Up	iP		19	07	23
Ki			—		
	M	E	μ 1.4	s 13	
	M	N	1.0	16	
Luzon.					
» 14 Up	iP		21	19	40
Ki	iP		21	18	58
Hokkaido, Japan.					
» 14 Up	iP		21	32	06
» 14 Up	iP		22	01	04
Aleutian Islands.					
» 15 Up	iP		01	32	57
	eS		01	43	09
	P	z'	μ 0.9	s 1.6	
	S	N	1.2	9	
	M	E	5.0	19	
	M	N	5.3	17	
	M	Z	5.0	16	
$\Delta=9100$ km=82°.					
Ki	iP		01	32	27
	eS		01	42	14

1956 Feb 15 (cont.)	P	z'	μ 0.4	s 1.5	
	S	E	1.0	8	
	S	N	0.7	8	
	M	E	6.4	16	
	M	N	4.2	15	
$\Delta=8550$ km=77°.					
Lower California. Magn.=6.3 (Up, Ki).					
» 15 Up	eP		03	36	33
» 15 Up	i		03	51	37
	iSg		03	51	47
Felt in the area of Gislaved, Sweden. Macro seismic epicentre 57.5°N, 13.5°E. Origin time=03 49 58.					
» 15 Up	iP		04	07	07
Yugoslavia.					
» 15 Up	iP		04	15	08
» 15 Ki	iP		05	09	46
» 15 Up	eP		07	19	12
Ki	iP		07	18	46
(Lower California).					
» 15 Up	iP		12	08	36
	P	z'	μ 0.1	s 1.5	
Kurile Islands.					
» 15 Up	eP		13	04	10
Ki	iP		13	03	43
	ipP		13	04	19
Peru. h=145 km (Ki).					
» 15 Up	ePg		15	26	48
	eSn		15	27	35
	e		15	28	00
	iSg		15	28	04
	Sg	z'	μ 0.1	s 0.7	
$\Delta=680$ km=6.1°.					
Ki	ePg		15	26	07
	iSg		15	27	03
	Sg	z'	μ 0.2	s 0.7	
$\Delta=450$ km=4.1°.					
Central coast of Norway, 65.4°N, 12.0°E. Origin time=15 24 47. Felt at Brønnøysund and neigh- bouring places, Norway.					
» 15 Up	iP		15	57	01
	iS		16	03	07
	P	z'	μ 0.2	s 1.0	
	M	E	6.5	24	

1956 Feb 15 (cont.)	M	N	6.9	25	
	M	Z	4.1	23	
$\Delta=4450$ km=40°.					
Ki	iP		15	57	38C
	iPP		15	59	19
	eS		16	04	13
	eSS		16	07	23
	P	z'	μ 0.2	s 1.0	
	PP	z'	0.1	1.2	
	S	N	0.4	11	
	M	E	5.6	17	
	M	N	2.6	15	
	M	Z	4.8	18	
$\Delta=4950$ km=44½°.					
Southern Iran. Magn.=5.7 (Up, Ki).					
» 15 Ki	eSS		21	12	20
	M	E	μ 0.8	s 18	
	M	N	0.8	19	
Pacific Ocean.					
» 16 Up	iP		00	30	31
	ipP		00	31	02
	pP	z'	μ 0.1	s 1.3	
Ki	iP		00	30	02
Sk	iP		00	30	28
	ipP		00	30	59
Marianas Islands region. h=120 km (Up, Sk).					
» 16 Ki	e(P)		07	13	34
	i		07	14	07
» 16 Up	iP		11	46	19
» 16 Ki	iP		12	38	49
» 16 Up	iP		15	54	18
	i		15	54	32
Ki	iP		15	55	42C
Rumania.					
» 16 Up	e(P)		18	48	34
» 17 Up	iP		09	14	53
» 17 Up	eSS		10	28	35
	M	E	μ 2.4	s 18	
	M	N	2.9	20	
	M	Z	3.7	18	
Ki	eSKSP		10	23	48
	iSS		10	30	15
	M	E	μ 1.9	s 20	
	M	N	2.1	17	
	M	Z	3.6	18	
South Atlantic. Magn.=6.1 (Up, Ki).					

1956 Feb 17	Up	iP	13	57	59
		i	13	58	02
		P	μ	s	
		z'	0.2	0.8	
» 17	Up	iP	15	43	33
» 17	Ki	e(P)	18	42	43
» 18	Up	iP	05	23	15
	Ki	iP	05	24	25C
		P	μ	s	
		z'	0.1	1.5	
	Sk	iP	05	23	56
» 18	Up	iP	07	45	31C
		i	07	45	48
		ipP	07	47	17
		iPP	07	48	37
		iS	07	54	35
		i(S)	07	54	42
		i	07	55	01
		i	07	55	19
		i	07	56	31
		i	07	57	48
		P	μ	s	
		P	2.5	3	
		P	2.4	3	
		P	2.8	1.0	
		PP	5.0	4	
		PP	5.0	4	
		PP	4.2	1.7	
		S	18	5	
		S	80	6	
		S	4.2	1.9	
		M	26	18	
		M	27	18	
		M	27	18	
		$\Delta = 8600 \text{ km} = 77\frac{1}{2}^\circ$			
	Ki	iP	07	44	58C
		i(P)	07	45	01
		ipP	07	46	39
		iPP	07	47	48
		ePPP	07	49	34
		iS	07	53	35
		i(S)	07	53	41
		iScS	07	54	11
		i!	07	58	13
		isSS	08	00	59
		iP'P'	08	12	34
		P	μ	s	
		P	3.4	4	
		P	1.4	4	
		P	7.0	4	
		P	4.6	1.5	
		PP	5.4	7	
		PP	3.3	7	
		PP	8.2	7	
		PP	1.5	1.5	
		S	54	10	
		S	73	10	

1956					
Feb 18		S	Z	30	10
(cont.)		S	Z'	20	4.0
		P'P'	Z	5.0	6
		P'P'	Z'	2.4	2.0
		M	E	31	16
		M	N	16	15
		M	Z	45	16
		$\Delta=8000 \text{ km}=72^\circ$.			
	Sk	iP	07	45	28C
		i	07	46	18
		ipP	07	47	18
		iPP	07	48	32
		iS	07	54	37
		$\Delta=8550 \text{ km}=77^\circ$.			
	South of Honshu, Japan.				
	h=510 km (Up, Ki, Sk).				
	Magn.=7.3 (Up, Ki).				
	S and probably P are multiple.				
»	18	Up	eP	08	25 57
»	18	Up	iP	10	51 25
»	18	Up	eP	11	54 52
»	18	Ki	iP	12	30 15
»	19	Up	iP	02	28 50
			iS	02	37 41
			eSKS	02	38 44
				μ	s
		P	Z'	1.0	1.9
		S	E	4.3	12
		S	N	1.4	8
		SKS	N	2.1	8
		M	E	14	17
		M	N	14	18
		M	Z	23	17
		$\Delta=7450 \text{ km}=67^\circ$.			
	Ki	iP	02	28	02
		iS	02	36	11
		iScS	02	37	54
				μ	s
		P	N	1.0	6
		P	Z	1.6	6
		P	Z'	0.7	2.0
		S	E	6.0	10
		S	N	2.9	10
		M	E	18	16
		M	N	11	16
		M	Z	21	15
		$\Delta=6600 \text{ km}=59\frac{1}{2}^\circ$.			
	Sk	iP	02	28	21
	Queen Charlotte Islands.				
	Magn.=6.5 (Up, Ki).				
»	19	Up	iP	04	23 35
			eS	04	31 54
				μ	s
		M	E	0.8	16
		M	N	2.0	19

1956 Feb 19 (cont.)	M	Z	2.5	18	
	$\Delta = 6900 \text{ km} = 62^\circ$.				
Ki	iP		04	22	39
	eS		04	30	10
	iScS		04	32	26
	S	E	μ	S	
	S	N	0.8	11	
	M	E	0.6	11	
	M	N	1.9	20	
	M	N	1.4	20	
	M	Z	2.4	20	
	$\Delta = 5950 \text{ km} = 53\frac{1}{2}^\circ$.				
Sk	iP		04	23	08
Alaska Peninsula.					
Magn.=5.5 (Up, Ki).					
» 19	Up	iPKP	05	59	49
Tonga Islands.					
» 19	Ki	iP	11	07	27
» 19	Up	iP	12	23	31
» 19	Up	iPKP	15	07	06
		iPP	15	10	17
	Ki	ePKP	15	06	40
Fiji Islands region.					
Deep (h ~ 600 km).					
» 19	Up	iP	22	18	22
» 20	Up	iP	01	33	15C
	P	Z'	μ	S	
			0.1	1.0	
Ki	eP		01	34	43
	M	E	μ	S	
	M	N	0.4	12	
	M	N	0.3	9	
Sk	iP		01	33	56
Adriatic Sea.					
» 20	Up	iP	08	09	32
	M	E	μ	S	
	M	N	1.2	19	
	M	N	2.7	20	
	M	Z	1.6	18	
Ki	iP		08	09	08
	eS		08	18	32
	M	E	μ	S	
	M	N	1.5	16	
	M	N	1.0	16	
	M	Z	1.0	16	
	$\Delta = 8100 \text{ km} = 73^\circ$.				
Sk	iP		08	09	36
Ryukyu Islands.					
» 20	Ki	i(P)	10	22	30
Seismic?					
» 20	Ki	e(P)	11	03	50
Seismic?					

1956 Feb 20	Ki	i(P)	12	35	15
Seismic?					
» 20	Up	e(P)	15	36	08
	Ki	e(P)	15	31	56
» 20	Ki	e(P)	16	08	09
» 20	Up	iP	20	36	29C
		i	20	36	43
		i	20	40	19
		i	20	40	24
		iS	20	40	29
		iLi	20	42	02
		iLi	20	42	11
	P	E	μ	S	
	P	N	1.2	2	
	P	Z	2.5	2	
	P	Z'	3.3	2	
	S	E	5.1	1.6	
	S	N	19	7	
	S	N	26	10	
	S	Z'	7.2	3.0	
	M	E	94	15	
	M	N	54	13	
	M	Z	69	15	
	$\Delta = 2450 \text{ km} = 22^\circ$.				
Ki	iP		20	37	36
	i!		20	38	01
	iS		20	42	25
	i		20	42	54
	i!		20	43	08
	i!		20	44	42
	iLi		20	45	45
	i(Lgl)		20	46	18
	P	N	μ	S	
	P	Z	1.1	7	
	P	Z'	1.5	7	
	S	E	0.9	1.6	
	S	N	4.9	13	
	S	N	7.2	13	
	M	E	43	8	
	M	N	13	8	
	M	Z	15	9	
	$\Delta = 3200 \text{ km} = 29^\circ$.				
Sk	iP		20	37	13C
	i!		20	42	07
	iLgl		20	45	07
Turkey.					
Magn.=6.5 (Up, Ki).					
» 21	Up	iP	07	30	07
» 21	Ki	i(P)	12	56	32
	Sk	i(P)	12	55	31
» 21	Up	iP	15	07	26
	P	Z'	μ	S	
			0.1	1.0	
» 21	Up	iPKP	20	51	09

1956 Feb 20	Ki	i(P)	12	35	15
	Seismic?				
» 20	Up	e(P)	15	36	08
	Ki	e(P)	15	31	56
» 20	Ki	e(P)	16	08	09
» 20	Up	iP	20	36	29C
		i	20	36	43
		i	20	40	19
		i	20	40	24
		iS	20	40	29
		iLi	20	42	02
		iLi	20	42	11
		P	μ	s	
		P	1.2	2	
		P	2.5	2	
		P	3.3	2	
		P	5.1	1.6	
		S	19	7	
		S	26	10	
		S	7.2	3.0	
		M	94	15	
		M	54	13	
		M	69	15	
	$\Delta = 2450 \text{ km} = 22^\circ$				
	Ki	iP	20	37	36
		i!	20	38	01
		iS	20	42	25
		i	20	42	54
		i!	20	43	08
		i!	20	44	42
		iLi	20	45	45
		i(Lgl)	20	46	18
		P	μ	s	
		P	1.1	7	
		P	1.5	7	
		P	0.9	1.6	
		S	4.9	13	
		S	7.2	13	
		M	43	8	
		M	13	8	
		M	15	9	
	$\Delta = 3200 \text{ km} = 29^\circ$				
	Sk	iP	20	37	13C
		i!	20	42	07
		iLgl	20	45	07
	Turkey.				
	Magn.=6.5 (Up, Ki).				
» 21	Up	iP	07	30	07
» 21	Ki	i(P)	12	56	32
	Sk	i(P)	12	55	31
» 21	Up	iP	15	07	26
		P	μ	s	
		P	0.1	1.0	
» 21	Up	iPKP	20	51	09

1956 Feb 21 (cont.)	iSKP	20	53	56
	i	20	54	17
		μ	s	
	SKP	0.2	1.0	
Ki	iSKP	20	53	33
		μ	s	
	SKP	0.5	1.5	
Sk	iPKP	20	51	03
	iSKP	20	53	50
Fiji Islands region. Deep (h ~ 650 km).				
» 21 Up	iP	23	02	50
	iT	23	10	39
		μ	s	
	M	1.5	22	
	M	2.4	18	
Ki	eP	23	01	06
	iSg	23	02	45
	eT	23	05	53
	i	23	06	41
	i	23	09	58
		μ	s	
	P	0.4	9	
	T	0.1	0.8	
	M	1.7	15	
	M	0.9	13	
	M	1.9	13	
Sk	iP	23	01	48
	iS	23	03	32
	iT	23	08	55
$\Delta = 1050 \text{ km} = 9\frac{1}{2}^\circ$. Arctic Ocean.				
» 22 Up	iP	00	11	00
	eT	00	18	30
	i	00	19	25
		μ	s	
	M	2.6	20	
	M	5.1	19	
	M	5.0	18	
Ki	iP	00	09	20
	iSg	00	10	48
	iT	00	14	14
	i	00	14	52
	i	00	15	29
		μ	s	
	P	0.7	9	
	P	0.8	9	
	P	0.8	9	
	T	0.2	1.3	
	M	4.4	16	
	M	2.1	15	
	M	5.1	14	
Sk	iP	00	10	02C
	iS	00	11	47
	eT	00	16	50
$\Delta = 1050 \text{ km} = 9\frac{1}{2}^\circ$. Arctic Ocean. The T phases are extremely clear in this and the preceding shock, especial-				

1956 Feb 22 (cont.)	ly at Kiruna. T phases were re- corded at all three of our stations, and it is the first time a T phase has been observed on the Uppsala records.			
» 22 Ki	eP	00	38	43
	e	00	42	31
Sk	eP	00	39	19
Probably the same location as for the two previous earthquakes (Arctic Ocean).				
» 22 Up	eP	05	32	08
Ki	iP	05	31	16
Sk	eP	05	31	45
Near Unimak Island.				
» 22 Ki	i(P)	07	38	07
» 22 Ki	eP	08	07	13
		μ	s	
	M	0.7	14	
	M	0.5	14	
	M	0.8	10	
» 22 Up	eP	09	16	06
» 22 Up	iP	10	02	04
Ki	iP	10	02	26
Sk	iP	10	02	27
» 22 Up	iP	10	11	10
	eS	10	20	48
		μ	s	
	P	0.1	1.0	
	S	1.5	10	
	M	2.6	20	
	M	3.6	20	
	M	2.8	20	
Ki	$\Delta = 8400 \text{ km} = 75\frac{1}{2}^\circ$.			
	iP	10	11	33
	i	10	18	16
	eS	10	21	30
		μ	s	
	P	0.5	7	
	P	0.9	7	
	S	1.4	12	
	S	0.6	11	
	M	4.6	19	
	M	1.5	18	
	M	4.1	18	
Sk	$\Delta = 8850 \text{ km} = 79\frac{1}{2}^\circ$.			
	iP	10	11	34
	i	10	11	40
Chagos Islands region, Indian Ocean. Magn.=6.0 (Up, Ki).				
» 22 Up	eP	23	50	32
Sk	eP	23	51	03
Chagos Islands region.				

1956					
Feb 22	Ki	iP	23	52	34
» 23	Up	iP	01	04	32 D
» 23	Up	iP	01	29	51
		eS	01	36	52
			μ	s	
	P	z'	0.6	1.5	
	S	E	2.3	7	
	S	N	1.5	7	
	M	E	2.8	26	
	M	N	1.2	14	
	M	Z	2.8	26	
	$\triangle = 5400 \text{ km} = 48\frac{1}{2}^\circ$.				
Ki	iP		01	30	10
	eS		01	37	32
			μ	s	
	S	E	2.3	12	
	S	N	1.3	12	
	M	E	1.6	18	
	M	Z	1.6	19	
	$\triangle = 5700 \text{ km} = 51\frac{1}{2}^\circ$.				
Sk	iP		01	29	38 C
	i		01	30	04
North Atlantic Ocean.					
» 23	Up	eP	02	23	16
Algeria.					
» 23	Up	iP	03	12	17
	Ki	iP	03	11	24
	Sk	iP	03	11	55
» 23	Up	e(P)	05	56	39
» 23	Up	iP	06	09	20
		iS	06	13	17
			μ	s	
	P	z'	0.3	1.5	
	$\triangle = 2350 \text{ km} = 21^\circ$.				
Ki	iP		06	10	29
Sk	iP		06	10	07
Turkey.					
» 23	Ki	iP	06	42	45
		iSg	06	43	31
	Sk	iP	06	42	37
		iSg	06	43	23
Local.					
» 23	Up	iP	17	39	14
	Ki	iP	17	39	51
	Sk	iP	17	39	52
Southern Iran.					
» 23	Ki	iP	20	45	26
» 23	Up	eP	22	21	25
Mexico.					
» 24	Ki	iP	04	50	49

1956 Feb 24 (cont.)	iSg	04	51	21
Local.				
» 24 Up	iP	05	41	01
» 24 Up	iP	07	11	56
» 24 Up	iPKP	09	38	47
		μ	s	
	PKP	0.1	1.0	
	M	2.5	23	
	M	3.5	25	
Ki	iPKP	09	38	28
	i	09	38	43
		μ	s	
	PKP	1.3	2.2	
Sk	iPKP	09	38	42
	i	09	38	54
Kermadec Islands region.				
» 24 Up	eP	19	29	20
» 24 Up	iP	19	56	45
Ki	iP	19	56	45
» 25 Up	eP	20	48	35
» 26 Up	iP	05	26	47
Ki	iP	05	26	07
Northern Honshu, Japan.				
» 26 Up	i(P)	06	31	16
» 26 Ki	i(P)	13	46	14
» 26 Ki	e(P)	13	48	58
	iSg	13	49	55
Local.				
» 27 Up	iP	03	33	40
Kamchatka.				
» 27 Up	iP	08	48	52
	ipP	08	49	12
		μ	s	
	P	0.3	1.0	
Ki	iP	08	48	00
		μ	s	
	P	0.1	1.2	
Aleutian Islands. h=75 km (Up).				
» 27 Sk	e(P)	14	33	37
» 27 Up	iP	14	51	21
Ki	iP	14	52	38
» 27 Up	iP	22	33	59
Ki	iP	22	35	11
		μ	s	
	P	0.1	1.5	

1956 Feb 27	Sk	eP	22	34	37
(cont.)	Southwest of Sicily.				
» 28	Ki	i(P)	00	51	08
» 28	Up	i(P)	08	57	43
		i	08	58	28
» 28	Up	iP	15	57	59
» 28	Up	iPKP2	16	51	47
	Ki	ePKP	16	51	25
	Kermadec Islands region.				
» 28	Ki	eP	17	05	09
» 28	Ki	eP	18	15	56
» 28	Up	iP	22	29	00
		i	22	29	07
	Ki	iP	22	29	03
	Sk	iP	22	29	27
» 29	Ki	iP	06	17	39
» 29	Up	iP	07	02	28
» 29	Up	iP	07	10	04
	Ki	eP	07	09	34
	South of Honshu, Japan.				
» 29	Ki	eP	07	30	32
» 29	Up	eP	09	54	10
» 29	Up	iP	16	04	03
» 29	Ki	eP	16	29	32
» 29	Ki	eP	18	10	26
» 29	Up	iP	21	01	46C
		P	μ	s	
		P	0.3	2	
		P	1.0	2	
		P	0.8	1.2	
		M	10.0	20	
		M	9.6	18	
		M	7.0	20	
	Ki	iP	21	01	40C
		i	21	01	59
		iPcP	21	02	17
		P	μ	s	
		P	0.8	1.5	
		M	18	20	
		M	8.3	18	
		M	24	21	
	$\Delta = 7000 \text{ km} = 63^\circ$.				
	Burma-India border.				
	Magn. = 6.5 (Up, Ki).				

1956 Feb 29	Up	iP	21	36	26
		P	μ	s	
		P	0.2	1.0	
		M	2.8	21	
		M	2.7	20	
		M	3.5	20	
	Ki	iP	21	36	20
		i	21	36	45
		P	μ	s	
		P	0.2	1.0	
		M	4.7	18	
		M	2.3	18	
		M	3.0	20	
	Sk	iP	21	36	41
	Burma-India border.				
	Magn. = 6.0 (Up, Ki).				
» 29	Up	iP	22	41	23 D
» 29	Up	iP	23	56	57 C
		P	μ	s	
		P	0.3	1.2	
	Ki	iP	23	56	05
		P	μ	s	
		P	0.2	1.5	
	Near southeast coast of Kamchatka.				
Mar 1	Up	iP	02	45	07 D
	Ki	eP	02	45	01
» 1	Ki	iP	06	36	30
	Kurile Islands.				
» 1	Up	e(P)	11	21	15
» 1	Up	iP	12	20	01
	Ki	eP	12	20	27
» 1	Up	iP	12	55	33
		P	μ	s	
		P	0.1	1.0	
		M	4.1	23	
	Ki	iP	12	56	09
	Southern Iran.				
» 1	Up	iP	14	12	35 C
		i	14	12	46
		P	μ	s	
		P	0.4	1.5	
	Ki	iP	14	11	43
	Near southeast coast of Kamchatka.				
» 1	Up	iP	14	37	23 C
		i	14	37	37
		P	μ	s	
		P	0.1	1.2	
	Ki	iP	14	36	30 C
	Near southeast coast of Kamchatka.				
» 1	Up	iP	16	01	29
	Ki	iP	16	02	09

1956 Mar 1	Up	eP	16	11	46
	Ki	eP	16	12	23
» 1	Up	e	18	36	01
		e	18	37	49
» 1	Up	e(P)	19	06	53
» 1	Ki	eP	20	59	02
» 2	Up	iP	05	51	26
» 2	Up	iP	12	06	04 D
		P	μ	s	
		P	0.6	1.5	
	Ki	iP	12	05	06
		P	μ	s	
		P	0.3	1.0	
	Alaska.				
» 2	Up	iP	15	00	10
		ipP	15	00	37
		P	μ	s	
		P	0.1	0.5	
	Ki	iP	14	59	23
		P	μ	s	
		P	0.2	1.4	
	Kurile Islands.				
	h = 110 km (Up).				
» 2	Ki	iP	19	01	38
» 2	Up	iPKP	23	03	58
	Ki	ePKP	23	03	31
	New Zealand.				
» 3	Up	i(P)	00	11	29
	Seismic?				
» 3	Up	iPKP	00	24	40
		M	μ	s	
		M	2.6	20	
		M	7.9	21	
		M	11	24	
	Ki	iPKP	00	24	32
		PKP	μ	s	
		PKP	0.1	1.4	
		M	3.8	20	
		M	3.1	21	
		M	6.1	20	
	Samoa Islands region.				
» 3	Up	iP	04	24	44
		i	04	24	54
		iS	04	26	20
		i	04	26	36
	Ki	e	04	29	36
		e	04	30	24
	Local.				
» 3	Up	iP	10	24	11

1956 Mar 3 (cont.)		ipP	10	24	24
		P	μ	s	
			0.4	1.2	
	Ki	iP	10	24	06
		ipP	10	24	19
		P	μ	s	
			0.3	1.4	
		M	3.8	19	
	Sk	iP	10	24	27
		ipP	10	24	41
	Burma-India border. h=55 km (Up, Ki, Sk).				
»	3	Up	i(P)	13	05 54
			i	13	06 01
	Seismic?				
»	3	Up	eP	18	27 58
»	3	Ki	i(P)	20	16 47
	Seismic?				
»	4	Up	iP	03	24 32
			iPcP	03	27 25
		$\Delta = 3500 \text{ km} = 31 \frac{1}{2}^\circ$.			
	Ki	iP	03	23	20
		P	μ	s	
			0.3	1.7	
	North Polar region.				
»	4	Ki	iP	03	35 49
		P	μ	s	
			0.1	1.5	
»	4	Up	iP	15	45 03C
»	4	Up	iP	16	27 29
		P	μ	s	
			0.2	1.7	
	Ki	iP	16	26	35
	Sk	iP	16	27	14
	Near southeast coast of Kamchatka.				
»	5	Up	eP	02	27 17
»	5	Up	iP	02	36 52D
	Ki	iP	02	37	14
»	5	Up	iP	03	50 28
»	5	Up	iP	03	53 05C
		i	03	53	16
		P	μ	s	
			0.4	1.3	
		M	1.3	17	
		M	2.2	20	
		M	2.8	20	
	Ki	iP	03	52	13C
		i	03	52	23
		P	μ	s	
			0.2	1.0	

1956	Mar 10	Up	iP	20	27	22
		Ki	eP	20	27	22
»	10	Up	iP	21	50	41
			iPP	21	54	48
			PP	μ 0.4	s 2.0	
			$\Delta \sim 11000$ km $\sim 99^\circ$.			
		Ki	iP	21	50	28
			i	21	50	33
			P	μ 0.1	s 1.0	
			M	E 1.7	19	
			M	Z 2.7	18	
		Sk	iP	21	50	48
			i	21	51	05
			Molucca Passage. Magn.=6.5 (Up, Ki).			
»	10	Up	iP	21	53	15
		Ki	iP	21	53	51
		Sk	iP	21	53	29
»	11	Up	iP	08	13	41
		Ki	iP	08	14	19
			Southern Iran.			
»	11	Up	e(P)	19	48	34
»	12	Ki	eP	05	04	09
»	12	Up	iP	11	35	48
		Ki	iP	11	35	28
			Philippine Islands.			
»	12	Up	eP	16	37	29
»	12	Up	iP	16	58	51
»	12	Up	i(P)	20	39	54
»	13	Up	iP	01	14	39
»	13	Up	iP	01	52	02
			Dominican Republic.			
»	13	Up	iP	09	37	52
			i	09	38	04
		Sk	iP	09	37	57
			Near east coast of Honshu, Japan.			
»	13	Up	iP	10	50	00
»	13	Up	iP	13	26	12
			iPP	13	29	40
			iS	13	36	53
			P	μ 0.4	s 1.6	
			PP	Z' 0.4	1.5	
			S	E 2.6	8	
			S	N 1.7	8	

1956						
Mar 13		M	E	5.9	22	
(cont.)		M	N	5.5	24	
		M	Z	6.9	24	
		$\triangle = 9900 \text{ km} = 89^\circ$.				
	Ki	iP		13	26	08
		iPP		13	29	33
		iSKS		13	36	35
		iS		13	36	50
		eSS		13	42	38
				μ	s	
		P	z'	0.9	1.7	
		PP	z'	0.5	2.0	
		SKS	E	2.4	10	
		S	N	2.0	9	
		M	E	4.3	19	
		M	N	2.3	20	
		M	Z	13	20	
		$\triangle = 9800 \text{ km} = 88\frac{1}{2}^\circ$.				
	Sk	iP		13	25	58
		iPP		13	29	12
	Off south coast of Panama.					
	Probably slightly deeper than normal.					
	Magn. = 6.8 (Up, Ki).					
»	13	Ki	iP	14	12	38
»	13	Up	iP	16	47	03
»	13	Up	iP	19	32	49
		Ki	iP	19	31	55
	Komandorski Islands region.					
»	13	Up	iP	20	25	58
		Sk	eP	20	26	45
	Greece.					
»	13	Up	iPKP	23	50	32
	New Ireland.					
»	14	Up	iP	11	12	16 D
				μ	s	
		P	z'	0.1	0.8	
	Ki	iP		11	12	18
				μ	s	
		P	z'	0.1	0.6	
	Sk	iP		11	12	33
	Andaman Islands.					
»	14	Ki	e	12	15	00
		Sk	e	12	14	53
			i(Sg)	12	14	55
	Local.					
»	14	Up	ePKP2	14	39	22
			i	14	40	36
	Off coast of North Island, New Zealand.					
»	14	Up	iPKP2	15	58	53
				μ	s	
		PKP2	z'	0.2	1.4	

1956	Mar 14	Ki	iPKP	15	58	25
(cont.)			PKP	μ 1.0	s 5	
			PKP	Z' 0.5	2.0	
		Sk	iPKP	15	58	38
			Off coast of North Island, New Zealand.			
»	14	Up	iPKP2	16	03	34
			PKP2	μ 0.2	s 1.5	
		Ki	iPKP	16	03	06
			PKP	μ 1.2	s 6	
			PKP	Z' 0.9	2.2	
		Sk	iPKP	16	03	19
			iPKP2	16	03	34
			Off coast of North Island, New Zealand.			
»	14	Up	iP	16	08	42
»	14	Up	iPKP2	16	34	08 C
			iPKS	16	37	27
			PKP2	μ 0.1	s 1.2	
		Ki	iPKP	16	33	39
			PKP	μ 0.3	s 1.7	
		Sk	iPKP	16	33	51
			Off coast of North Island, New Zealand.			
»	14	Up	iP	16	49	53
			i	16	49	59
		Ki	eP	16	49	49
		Sk	iP	16	50	10
			Pakistan.			
»	14	Up	iP	21	09	01
»	14	Up	iP	21	39	25
»	14	Up	iP	23	17	43
		Ki	eP	23	18	28
»	14	Up	iP	23	33	41
»	15	Ki	i(P)	16	45	46
»	15	Up	iPKP	18	19	26
		Ki	ePKP	18	18	56
			PKP	μ 0.1	s 1.5	
		Sk	ePKP	18	19	09
			Off coast of North Island, New Zealand.			
»	15	Up	iP	21	02	45
»	16	Ki	e(P)	01	30	42
		Sk	eP	01	30	45

1956	Mar 16	Up	iP	01	46	20
		Ki	iP	01	46	12
»	16	Up	iPKP2	09	01	03
			PKP2	μ 0.1	s 0.9	
		Ki	iPKP	09	00	33
			PKP	μ 0.2	s 1.5	
		Sk	iPKP	09	00	47
			Off coast of North Island, New Zealand.			
»	16	Ki	iP	18	31	49
			Near south coast of Hokkaido, Japan.			
»	16	Up	ePKP	19	22	15
			Tonga Islands region.			
»	16	Up	iP	19	38	37 D
			iPP	19	39	29
			P	μ 1.2	s 1.6	
			M	N 1.9	21	
			M	Z 1.4	14	
		$\Delta \sim 3100$ km $\sim 28^\circ$.				
		Ki	iP	19	39	36
			iPP	19	40	54
			PP	μ 0.1	s 1.5	
			M	E 2.5	21	
			M	N 1.0	16	
			M	Z 1.8	14	
		$\Delta \sim 3900$ km $\sim 35^\circ$.				
		Sk	iP	19	39	17
			Lebanon.			
»	16	Up	iP	19	49	26
			i(PcP)	19	52	43
			P	μ 0.1	s 1.2	
			M	E 3.1	21	
			M	N 3.8	21	
			M	Z 2.6	15	
		$\Delta \sim 3100$ km $\sim 28^\circ$.				
		Ki	iP	19	50	25
			i	19	50	38
			i(PcP)	19	53	03
			P	μ 0.1	s 1.0	
			M	E 2.8	20	
			M	N 2.1	17	
			M	Z 2.3	16	
		$\Delta \sim 3900$ km $\sim 35^\circ$.				
		Sk	iP	19	50	06
			i	19	50	10
			i(PcP)	19	52	44
			Lebanon.			
			Magn.=5.4 (Up, Ki).			
»	16	Up	iPg	20	24	34

1956 Mar 16 (cont.)	iSg	20	26	02
	$\Delta=760 \text{ km}=6.8^\circ$.			
Ki	ePg	20	23	01
	iSg	20	23	36
	$\Delta=290 \text{ km}=2.6^\circ$.			
Sk	e	20	23	53
	iSg	20	23	57
	Central Norway, 66.7°N , 14.6°E .			
	Origin time=20 22 14.			
» 16	Ki eP	21	46	16
» 17	Ki eP	00	12	27
» 17	Ki eP	02	12	37
» 17	Up iPKP	02	29	43
	i	02	29	47
	Ki i(PKP)	02	29	20
	Off coast of North Island, New Zealand.			
» 17	Up iP	11	53	30
	Ki iP	11	52	49
	Sk eP	11	53	21
	Northern Honshu, Japan.			
» 17	Up iP	15	52	20
	Ki iP	15	51	37
	Sk iP	15	52	11
	Near east coast of Hokkaido, Japan.			
» 17	Ki eP	16	50	46
	Kurile Islands.			
» 18	Up iP	02	25	50
» 18	Up iP	02	50	59
	Ki i(P)	02	50	16
» 18	Up iP	04	01	18
	Ki iP	04	01	57
	Sk eP	04	01	55
	i	04	02	52
» 18	Up iP	08	29	55
	P	μ	s	
	M	z'	0.2	1.5
	M	E	1.3	20
	M	N	1.8	20
	M	Z	1.7	20
Ki	iP	08	29	58
	eS	08	39	54
	P	μ	s	
	S	z'	0.2	1.6
	M	E	0.8	7
	M	N	2.5	21
	M	Z	1.1	17
	M	Z	2.2	17
Sk	$\Delta \sim 8800 \text{ km} \sim 79^\circ$.			
	eP	08	29	57

1956 Mar 18 (cont.)	i(PcP)	08	30	12
	Nicobar Islands.			
	Magn.=5.8 (Up, Ki).			
» 18	Up iP	16	58	15
» 18	Up iP	22	41	18
» 19	Up iP	02	56	27
» 19	Up iP	03	36	41
» 19	Up eP	06	04	46
	Ki iP	06	04	19
» 19	Ki eP	09	51	48
» 19	Up ePP	17	55	31
	ePKKP	18	05	28
	M	μ	s	
	M	E	3.3	21
	M	N	4.6	23
	M	Z	3.5	20
Ki	No time marks.			
	PP	z'	0.3	2.5
	PKKP	z'	0.1	1.7
	M	E	2.2	17
	M	N	1.7	20
	M	Z	4.8	20
Sk	iPP	17	55	40
	iPKKP	18	05	15
	New Britain.			
	Magn.=6.4 (Up, Ki).			
» 19	Up iP	23	50	40
» 20	Up iP	02	15	14
» 20	Up iP	02	34	33C
	Sk iP	02	34	24
	Hokkaido, Japan.			
» 20	Up iP	04	25	36
	P	μ	s	
	M	z'	0.4	1.0
	M	E	2.2	23
	M	N	1.9	21
	M	Z	1.8	21
Ki	No time marks.			
	P	μ	s	
	M	z'	0.1	1.0
	M	E	1.7	17
	M	N	1.2	18
	M	Z	0.9	14
Sk	iP	04	25	21
	Off southeast coast of Kamchatka.			
	Magn.=6.0 (Up, Ki).			
» 20	Up iP	10	35	48
	Sk eP	10	35	55
	Off northwest coast of Luzon.			

1956 Mar 20	Up iP	11	38	02
	Kurile Islands.			
» 20	Up iP	16	24	48
	e	16	25	04
	Ki iP	16	25	34
	i	16	26	15
	Sk eP	16	25	35
	Caucasus.			
» 20	Up e(P)	17	24	25
	Ki iP	17	24	49
» 20	Up iPKP	17	30	37
	Ki iPKP	17	30	29
	Fiji Islands.			
	Deep (h ~ 500 km).			
» 20	Ki iP	20	14	53
	Sk eP	20	14	51
» 20	Up ePKP	20	37	12
	Sk iPKP	20	37	07
	Kermadec Islands region.			
» 20	Up iP	22	16	34
	Ki iP	22	16	15
» 21	Up e(P)	01	37	57
	Ki e(P)	01	34	02
» 21	Up iP	01	56	46
	Ki iP	01	57	31
	Sk eP	01	57	34
	Arabia.			
» 21	Up iP	05	00	30
	i	05	01	01
	iS	05	05	11
	i	05	08	33
	iLg1	05	08	50
	iLg2	05	09	41
	P	μ	s	
	S	z'	0.4	1.2
	S	E	0.8	6
	S	N	1.7	10
	M	E	4.9	15
	M	N	4.6	15
	M	Z	7.7	15
	$\Delta=3000 \text{ km}=27^\circ$.			
Ki	iP	05	01	06D
	i	05	01	51
	i	05	02	47
	e(S)	05	05	59
	e	05	06	59
	iSSS	05	08	16
	P	μ	s	
	M	z'	0.6	1.0
	M	E	6.5	18
	M	N	2.9	18
	M	Z	9.7	19
	$\Delta=3450 \text{ km}=31^\circ$.			

1956 Mar 21 (cont.)	Sk iP	05	01	06
	i	05	01	59
	Caucasus.			
	Magn.=6.0 (Up, Ki).			
» 21	Ki eP	06	43	15
» 21	Ki eP	07	24	02
» 21	Up	—		
	M	μ	s	
	M	E	1.2	18
	M	N	1.1	20
	M	Z	1.7	24
	Ki i(PKP)	18	28	01
	M	μ	s	
	M	E	1.3	23
	M	N	0.5	16
	M	Z	1.2	18
» 21	Ki iP	20	53	27
» 21	Ki e(P)	21	33	55
» 22	Up e(P)	02	08	19
» 22	Up iP	06	47	18
	ipP	06	47	42
	epPP	06	51	42
	eS	06	58	25
	ePS	06	59	56
	P	μ	s	
	P	Z	0.4	3
	pP	z'	0.2	1.5
	S	E	1.0	5
	M	E	3.4	25
	M	N	2.1	23
	M	Z	4.7	26
	$\Delta=10600 \text{ km}=95\frac{1}{2}^\circ$.			
Ki	iP	06	47	20
	ipP	06	47	44
	ePP	06	51	14
	iSKKS	06	57	53
	iS	06	58	24
	iPS	06	59	59
	P	μ	s	
	P	Z	0.7	6
	pP	z'	0.5	2.2
	PP	z'	0.3	1.6
	PP	z'	0.8	2.5
	S	E	2.6	9
	S	N	0.6	9
	M	E	3.5	23
	M	N	2.5	26
	M	Z	7.9	26
	$\Delta=10600 \text{ km}=95\frac{1}{2}^\circ$.			
Sk	iP	06	47	06
	ipP	06	47	30
	iPKKP	07	04	12
	Ecuador.			
	h=90 km (Up, Ki, Sk).			
	Magn.=6.5 (Ki).			

1956	Mar 22	Up	iP	08	47	23
»	22	Up	iP	15	26	38
		Ki	iP	15	27	07
			i	15	33	45
		Sk	iP	15	27	19
»	22	Up	eL	17	03	
				μ	s	
		M	E	1.2	18	
		M	N	1.5	17	
		M	Z	1.7	20	
		Ki	eL	17	04	
				μ	s	
		M	E	1.3	21	
		M	N	0.6	17	
		M	Z	1.6	19	
»	22	Ki	iP	18	50	25
»	23	Ki	eP	04	03	33
»	23	Up	iPKP	05	29	32
		Ki	ePKP	05	29	19
			New Britain.			
»	23	Up	iP	05	49	44
		Ki	iP	05	49	37
		Sk	iP	05	50	01
»	23	Up	iP	05	59	54
			i	06	00	03
			eS	06	07	39
				μ	s	
		P	Z'	0.1	1.0	
		M	E	3.3	16	
		M	N	1.1	13	
		M	Z	4.1	16	
			$\Delta \sim 6200 \text{ km} \sim 56^\circ$.			
		Ki	eP	05	59	42
				μ	s	
		M	E	3.0	15	
		M	N	2.1	20	
		M	Z	3.1	15	
		Sk	iP	06	00	06
			Tibet.			
			Magn.=5.7 (Up, Ki).			
»	23	Ki	iP	07	21	02
»	23	Ki	eP	12	34	34
»	23	Up	i(P)	18	06	37
			Seismic?			
»	23	Up	iP	19	09	37
			i	19	10	04
		Ki	iP	19	09	32
			i	19	09	59
		Sk	iP	19	09	52
			i	19	10	20

1956	Mar 23	Ki	iP	21	02	31
»	23	Up	iP	22	30	21
		Ki	e(P)	22	30	57
»	23	Up	iPKP	22	33	03
				μ	s	
			PKP	0.1	1.0	
		Ki	e(PKP)	22	32	39
		Sk	iPKP	22	32	57 D
			Kermadec Islands.			
»	24	Ki	iP	16	00	54
»	24	Ki	iP	17	04	21
»	24	Up	iP	22	34	12
»	24	Up	eP	22	41	24
»	24	Ki	iP	23	08	04
»	25	Ki	eP	05	56	59
		Sk	eP	05	56	52
			Near coast of Guatemala and El Salvador.			
»	25	Ki	iP	08	03	37
»	25	Up	iP	23	38	10 C
			i	23	38	18
			eS	23	46	46
				μ	s	
		P	N	0.8	2	
		P	Z	1.7	2	
		P	Z'	1.6	1.4	
		S	N	0.4	6	
		M	E	2.2	17	
		M	N	4.0	18	
		M	Z	5.0	18	
			$\Delta = 7150 \text{ km} = 64\frac{1}{2}^\circ$.			
		Ki	iP	23	37	19 C
			eS	23	45	11
				μ	s	
		P	N	0.3	5	
		P	Z	0.8	4	
		P	Z'	1.0	1.5	
		S	E	0.5	14	
		M	E	4.3	19	
		M	N	1.5	19	
		M	Z	5.4	19	
			$\Delta = 6350 \text{ km} = 57^\circ$.			
		Sk	iP	23	37	54
			Near southeast coast of Kamchatka.			
			Magn.=6.6 (Up, Ki).			
»	26	Up	iP	00	11	48
»	26	Up	i(P)	00	23	01
		Ki	i(P)	00	23	17

1956	Mar 26	Up	iP	01	47	25
»	26	Up	iP	03	01	28
		Ki	iP	03	00	37
»	26	Up	iP	03	31	24 C
			i	03	31	43
				μ	s	
		P	Z'	0.2	1.3	
		Ki	iP	03	30	32 C
			i	03	30	43
				μ	s	
		P	Z'	0.1	1.0	
		Sk	iP	03	31	08
			Near southeast coast of Kamchatka.			
»	26	Up	iP	03	35	13 C
				μ	s	
		P	Z'	0.2	1.2	
		Ki	iP	03	34	22 C
				μ	s	
		P	Z'	0.1	1.0	
		Sk	eP	03	34	57
			Near southeast coast of Kamchatka.			
»	26	Up	iP	04	10	04 C
			i	04	11	14
			iPP	04	12	24
			eS	04	18	41
				μ	s	
		P	N	0.1	2	
		P	Z	0.4	2	
		P	Z'	0.9	1.4	
		PP	Z'	0.2	1.2	
		S	N	0.6	11	
		M	E	2.7	17	
		M	N	3.9	17	
		M	Z	4.7	17	
			$\Delta = 7150 \text{ km} = 64\frac{1}{2}^\circ$.			
		Ki	iP	04	09	12 C
			iPP	04	11	33
			i	04	11	43
			eS	04	17	04
				μ	s	
		P	Z	0.6	8	
		P	Z'	0.3	1.0	
		PP	Z'	0.1	1.0	
		S	E	0.4	14	
		S	N	0.3	14	
		M	E	3.1	19	
		M	N	2.1	20	
		M	Z	5.4	19	
			$\Delta = 6300 \text{ km} = 56\frac{1}{2}^\circ$.			
		Sk	iP	04	09	48
			Near southeast coast of Kamchatka.			
			Magn.=6.2 (Up, Ki).			
»	26	Up	i(P)	04	10	17
			Northeast of Puerto Rico.			
»	26	Up	iP	04	32	19 C

1956	Mar 26				μ	s
(cont.)		Ki	P	Z'	0.1	1.1
			iP		04	31
						26
»	26	Up	iP		05	07
		Ki	iP		05	06
						13
»	26	Up	iP		05	20
		Ki	iP		05	19
						47
»	26	Up	iPP		05	39
						58
				μ	s	
			PP	Z'	0.1	1.5
		Ki	e		05	40
		Sk	iPP		05	39
			Northern Chile-Argentina border.			04
»	26	Ki	iP		06	01
						25
»	26	Ki	iP		08	26
		Sk	iP		08	26
			Alaska.			54
»	26	Up	iP		17	12
						53
				μ	s	
		Ki	iP	Z'	0.1	1.3
					17	12
			Near southeast coast of Kamchatka.			00
»	26	Up	iP		17	53
						36
»	26	Up	iP		22	55
		Sk	iP		22	56
			Greece.			22
»	27	Up	iPKP		02	59
		Ki	iPKP		02	58
		Sk	ePKP		02	58
			New Zealand.			59
»	27	Up	eP		11	05
						41
»	27	Ki	i(PP)		20	30
			(Colombia).			14
»	28	Up	iP		03	32
						35
				μ	s	
			P	Z'	0.1	1.0
			Aleutian Islands.			
»	28	Up	iP		03	35
						50
»	28	Ki	eP		06	19
						45
»	28	Up	iP		11	43
		Ki	eP		11	45
		Sk	iP		11	44
			Greece.			35

1956	Mar 28	Up	iP	22	16	27 D
		P	z'	μ 0.1	s 0.6	
		Ki	iP	22	15	55
		Sk	eP	22	16	26
		Off south coast of Honshu, Japan. Deep (h ~ 500 km).				
»	29	Ki	iP	20	37	48
		i		20	37	54
		i	z'	μ 0.1	s 0.9	
»	29	Ki	iP	20	49	05
		i		20	49	09
		Record very similar to the preceding one. Possibly not seismic.				
»	30	Up	iP	02	41	24
		i		02	41	27
»	30	Up	i(P)	02	45	50
»	30	Sk	iP	06	13	34
		Off coast of Guatemala.				
»	30	Up	eP	06	21	23
		P	z'	μ 0.1	s 1.8	
		M	N	0.9	20	
		M	Z	1.7	20	
		Kamchatka. Volcanic explosion.				
»	30	Up	iPKP	08	15	24
		Ki	ePKP	08	15	02
		Sk	iPKP	08	15	19
		Off northeast coast of North Island, New Zealand.				
»	30	Up	i(P)	11	11	13
»	30	Up	iP	12	26	12 C
		i		12	26	24
		P	z'	μ 0.2	s 1.2	
		Ki	iP	12	25	20 C
		i		12	25	32
		P	z'	μ 0.1	s 1.0	
		Sk	iP	12	25	56
		Near southeast coast of Kamchatka.				
»	30	Up	iP	14	16	32
»	30	Up	iP	14	31	58
»	30	Up	iP	16	51	50
»	30	Up	iP	18	00	48

1956	Mar 30	Ki	iP	17	59	49
(cont.)		Sk	eP	18	00	17
		Alaska.				
»	30	Up	iP	18	55	04 D
		P	z'	μ 0.1	s 1.0	
		Ki	iP	18	54	23
		Sk	eP	18	54	53
		Off coast of northern Honshu, Japan.				
»	30	Up	iP	21	04	51
»	30	Up	e(P)	21	41	59
»	30	Up	iPKP	22	34	57
		ePP		22	37	59
		Tonga Islands region.				
»	31	Up	eP	01	45	11
		Northeast of Puerto Rico.				
»	31	Up	iP	08	32	19
		Near coast of Colombia.				
»	31	Up	eP	11	08	58
»	31	Up	iP	11	12	00
		Ki	iP	11	11	06
»	31	Up	iP	12	03	09
»	31	Up	iP	14	09	55
		eLgl		14	13	28
		eLg2		14	13	52
		Ki	iP	14	11	36
		Sk	iP	14	10	50
		Hungary.				
Apr 1	Up	iP		06	49	28 C
	i			06	49	44
	Ki	iP		06	49	30 D
	i			06	49	32
		P	z'	μ 0.1	s 1.0	
	Sk	eP		06	49	43
	Near west coast of Sumatra.					
»	1	Up	eL	12	13	
		M	E	μ 1.9	s 18	
		M	N	1.9	21	
		M	Z	1.6	18	
		South Pacific Ocean.				
»	1	Up	iP	12	27	12 C
		P	z'	μ 0.2	s 1.3	
	Ki	iP		12	26	19 C
		P	z'	μ 0.1	s 0.8	

1956	Apr 1	Sk	iP	12	26	56
(cont.)		Near east coast of Kamchatka.				
»	1	Up	iP	12	48	27
		Kurile Islands.				
»	1	Up	iP	13	25	43
»	1	Up	iP	19	25	49
		P	z'	μ 0.1	s 1.0	
		Ki	eP	19	26	34
		South Atlantic Ocean.				
»	2	Up	iP	01	28	19
»	2	Up	iP	11	02	20 C
		i		11	02	31
		iS		11	12	34
		i	z'	μ 0.3	s 1.4	
		S	E	1.8	10	
		S	N	5.3	15	
		M	E	7.4	23	
		M	N	12	26	
		M	Z	9.2	21	
		$\Delta = 9150 \text{ km} = 82\frac{1}{2}^\circ$.				
	Ki	iP		11	02	22 C
	i			11	02	33
	iPP			11	05	37
	iS			11	12	40
		P	z'	μ 1.5	s 5	
		P	z'	0.2	1.0	
		i	z'	0.4	1.1	
		PP	z'	0.1	1.0	
		S	E	2.6	10	
		S	N	3.3	12	
		M	E	12	18	
		M	N	6.3	16	
		M	Z	13	18	
		$\Delta = 9200 \text{ km} = 83^\circ$.				
	Sk	iP		11	02	35 C
	Off west coast of Sumatra.					
	Magn. = 6.5 (Up, Ki).					
»	2	Up	iP	11	13	55
		ipP		11	14	16
		P	z'	μ 0.1	s 1.0	
		pP	z'	0.3	1.0	
	Ki	iP		11	13	51
		ipP		11	14	12
		P	z'	μ 0.1	s 1.0	
		pP	z'	0.1	1.0	
	Sk	iP		11	14	11
		ipP		11	14	34
	Tibet. h = 90 km (Up, Ki, Sk).					

1956	Apr 2	Up	iPKP	17	03	45
		PKP	z'	μ 0.1	s 1.0	
		Ki	ePKP	17	03	23
		Sk	iPKP	17	03	37
		Kermadec Islands. Intermediate depth (h ~ 200 km).				
»	3	Up	iP	00	45	32
»	3	Ki	i(P)	08	50	57
»	4	Up	iP	07	37	50
		Ki	e(P)	07	38	26
»	4	Ki	e(P)	14	08	14
		i(Sg)		14	08	59
		Local?				
»	4	Up	iP	14	11	12
		Ki	iP	14	11	13
»	5	Ki	iP	01	29	25
»	5	Up	iP	04	12	29 C
		P	z'	μ 0.3	s 1.5	
		Ki	iP	04	11	36
		Sk	iP	04	12	12
		Near east coast of Kamchatka.				
»	5	Ki	eP	17	30	39
		Aleutian Islands.				
»	5	Up	iP	22	35	07
		Ki	iP	22	35	46
		Sk	eP	22	35	42
»	6	Up	iP	07	19	01 C
		isP		07	20	13
		iPP		07	20	36
		isPP		07	21	42
		iS		07	24	56
		i!		07	27	58
		P	E	μ 3.9	s 2	
		P	z'	6.2	1.4	
		PP	E	3.7	3	
		PP	N	0.5	2	
		PP	Z	3.3	3	
		PP	z'	1.7	1.2	
		S	z'	1.0	1.7	
	Ki	iP		07	19	10 C
		ipP		07	19	54
		isP		07	20	23
		iPP		07	20	51
		isPP		07	21	54
		iS		07	25	13
		isS		07	26	32
		e		07	26	45
		iSS		07	28	23

1956 Apr 6 (cont.)	P	E	μ	s
	P	N	1.7	6
	P	Z	4.6	6
	P	Z'	0.9	1.0
	PP	Z	1.6	5
	S	E	2.7	6
	S	N	4.7	7
	$\Delta = 4650 \text{ km} = 42^\circ$.			
Sk	iP		07	19 26C
	iPP		07	21 02
	iSS		07	29 06
	Hindu Kush. h=210 km (Ki). Magn.=6.8 (Up, Ki). The amplitudes of sPP are unusually large.			
» 6	Up	iPKP	16	46 38
	Ki	iPKP	16	46 24
	Sk	iPKP	16	46 36D
	New Hebrides Islands.			
» 6	Up	e(P)	19	10 26
» 7	Ki	iP	00	11 22
			μ	s
	M	E	0.6	15
	M	N	0.4	16
	M	Z	1.0	16
	Revilla Gigedo Islands.			
» 7	Ki	iP	04	38 37
			μ	s
	M	E	0.6	15
	M	N	0.4	14
	M	Z	0.6	14
	Western Pakistan-India border.			
» 7	Ki	iP	06	16 12
	i		06	16 22
	Irak-Iran border.			
» 7	Up	iP	11	05 19
» 7	Up	iPKP	18	20 07D
			μ	s
	PKP	Z'	0.2	1.0
	M	E	1.1	21
	M	N	1.7	21
	M	Z	1.8	21
Ki	iPKP		18	19 45
	iSKP		18	22 53
			μ	s
	M	E	1.7	21
	M	N	1.0	24
	M	Z	2.0	21
Sk	iPKP		18	20 02D
	i		18	20 05
	Kermadec Islands. Deep (h~350 km).			

1956 Apr 7	Up	iPKP2	18	24	51
			μ	s	
	PKP2	Z'	0.3	1.4	
Ki	iPKP		18	24	22
			μ	s	
	PKP	Z'	1.3	2.5	
Sk	iPKP2		18	24	46
	Off coast of North Island, New Zealand.				
» 7	Up	iP	21	33	34
	Ki	iP	21	33	18
» 8	Up	iP	06	29	01
» 8	Up	iPKP	10	52	14
	Tonga Islands region.				
» 8	Up	iP	13	46	32
	Sk	iP	13	47	11
» 9	Up	iP	15	37	51
	Ki	iP	15	36	59
	Aleutian Islands.				
» 9	Up	iP	17	08	53
	Ki	eP	17	08	08
	Northeast coast of Hokkaido, Japan. Deep (h~320 km).				
» 10	Up	iP	13	28	50
		iP	13	28	51
		ipP	13	29	23
		isP	13	29	38
		iSKS	13	39	02
		iS	13	39	28
		esS	13	40	23
			μ	s	
	P	Z'	0.4	1.2	
	pP	Z'	1.3	1.7	
	SKS	E	4.5	7	
	SKS	N	1.3	6	
	S	E	9.9	7	
	S	N	4.2	8	
	S	Z	2.9	7	
	M	E	2.0	19	
	M	N	2.2	20	
	M	Z	3.1	20	
	$\Delta = 10050 \text{ km} = 90\frac{1}{2}^\circ$.				
Ki	iP		13	28	49
	iP		13	28	51
	ipP		13	29	22
	isP		13	29	37
	iSKS		13	39	02
	iS		13	39	24
	i(SP)		13	40	17
	isS		13	40	25
			μ	s	
	P	Z'	0.7	1.0	
	pP	Z'	1.1	1.3	
	SKS	E	4.4	8	
	S	E	10.7	8	

1956					
Apr 10	S	N	4.5	9	
(cont.)	S	Z	2.8	9	
	M	E	5.7	20	
	M	N	3.7	20	
	M	Z	3.8	16	
	$\Delta = 10000 \text{ km} = 90^\circ$.				
Sk	iP		13	29	04C
	iP		13	29	05
	ipP		13	29	36
South coast of Sumatra.					
h=130 km (Up, Ki).					
Magn.~7 (Up, Ki).					
The P phase is multiple at all three stations, the first P having very small amplitude. The S waves are unusually large in relation to P.					
» 10	Up	iP	15	15	22
» 10	Ki	eP	20	45	35
» 11	Up	iP	01	52	39
		iPP	01	54	09
		i	02	01	11
			μ	s	
	P	z'	0.1	1.1	
	PP	z'	0.2	1.5	
	M	E	1.0	15	
	M	N	1.7	13	
	M	Z	1.5	15	
	$\Delta = 4400 \text{ km} = 39\frac{1}{2}^\circ$.				
Ki	eP		01	52	45
	i		01	52	52
	i		02	01	15
			μ	s	
	M	E	1.0	11	
	M	N	0.6	10	
	M	Z	1.4	12	
Sk	iP		01	53	03
	iPP		01	54	38
	$\Delta = 4650 \text{ km} = 42^\circ$.				
Tadzhik, USSR.					
Magn.=5.8 (Up).					
» 11	Ki	iP	07	35	57
» 11	Ki	i(P)	13	28	39
» 12	Up		—		
			μ	s	
	M	E	1.9	27	
	M	N	0.8	18	
	M	Z	1.7	20	
Ki	ePS		05	34	36
			μ	s	
	M	E	1.1	22	
	M	Z	1.9	22	
Northern Chile.					
» 12	Ki	iP	07	57	43

1956						
Apr 12	Ki	iP		19	32	59
» 12	Up	iP		22	41	02
		iP		22	41	07
				μ	s	
		P	z'	0.2	1.0	
		M	E	1.8	20	
		M	N	1.6	18	
		M	Z	2.2	16	
	Ki	iP		22	41	40
		iP		22	41	45
		i		22	42	31
		iSS		22	48	55
				μ	s	
		P	z'	0.2	1.0	
		M	E	2.3	16	
		M	N	1.6	14	
		M	Z	3.2	17	
	Sk	iP		22	41	39
		iP		22	41	45
		iPP		22	42	47
				$\Delta = 3800 \text{ km} = 34^\circ$.		
				Northern Iran.		
				P is multiple at all three stations, the first P having very small amplitude.		
» 13	Up	iP		07	11	23
		i		07	11	39
	Ki	iP		07	12	30
				μ	s	
		M	z	1.5	20	
	Sk	iP		07	12	01
		South of Crete.				
» 13	Up	e(P)		07	15	45
	Sk	e(P)		07	17	27
» 13	Up	eP		08	05	41
	Ki	iP		08	04	51
		Near south coast of Kamchatka.				
» 13	Ki	i(P)		10	59	24
» 14	Up	iP		00	28	43
» 14	Up	i(P)		09	58	39
» 14	Up	eP		20	39	35
» 15	Up	iP		12	53	35
				μ	s	
		M	E	0.5	14	
		M	N	0.3	10	
		M	Z	1.0	14	
	Ki	iP		12	53	40
				μ	s	
		M	E	0.6	11	
		M	N	0.3	10	
		M	Z	0.8	14	
	Sk	eP		12	54	00
		iPP		12	55	37
				Pamir.		

1956	Apr 16	Up	iP	01	52	49
		Ki	iP	01	51	55
		Sk	eP	01	52	32
		Near east coast of Kamchatka.				
»	16	Up	iP	10	59	45C
			iPP	11	03	18
				μ	s	
		P	z'	0.1	1.0	
		$\Delta \sim 10000 \text{ km} \sim 90^\circ$.				
		Ki	iP	10	59	44
				μ	s	
		P	z'	0.3	0.8	
		Sk	iP	10	59	58C
		Near south coast of Sumatra.				
»	16	Up	iP	23	30	40
»	17	Ki	i(P)	07	31	02
			i	07	31	29
		Seismic?				
»	17	Up	iP	12	27	26
		Sk	iP	12	27	23
		Off south coast of Honshu, Japan. Deep.				
»	17	Up	iP	15	39	21
		Sk	iP	15	40	06
»	18	Up	iP	02	06	25
				μ	s	
		P	z'	0.1	0.8	
		Sk	iP	02	06	43D
		Southeastern Tibet.				
»	18	Up	iP	11	11	16
			i	11	11	18
			iS	11	20	11
				μ	s	
		P	z'	0.2	1.0	
		S	E	1.5	10	
		S	N	1.0	8	
		M	E	3.8	18	
		M	N	2.4	18	
		M	Z	3.4	18	
		$\Delta = 7550 \text{ km} = 68^\circ$.				
		Ki	iP	11	10	26
			iPP	11	12	39
			e(Pa)	11	14	09
			eS	11	18	36
				μ	s	
		P	z'	0.4	9	
		PP	N	0.3	9	
		PP	Z	0.4	9	
		S	E	1.7	10	
		S	N	0.8	9	
		M	E	3.4	20	
		M	N	2.3	18	
		M	Z	4.6	19	
		$\Delta = 6650 \text{ km} = 60^\circ$.				

1956						
Apr 18	Sk	iP		11	10	57
(cont.)	Aleutian Islands. Magn.=6.0 (Up, Ki).					
» 18	Up	iP		12	55	53
		iS		12	58	35
		iLg1		13	00	19
		$\triangle=1600 \text{ km}=14\frac{1}{2}^{\circ}$.				
	Ki	eP		12	57	22
		eS		13	01	33
		eLg1		13	03	53
	Sk	eP		12	56	58
		iS		13	00	35
		iPcP		13	01	26
		iLg1		13	02	38
		$\triangle=2200 \text{ km}=20^{\circ}$.				
	Rumania.					
» 18	Up	iP		14	36	59
		P	z'	μ 0.1	s 1.0	
» 18	Up	iP		18	06	09
	Ki	iP		18	05	15
		eS		18	13	33
		S	E	μ 0.2	s 9	
		M	E	0.5	19	
		M	N	0.4	19	
		M	Z	0.6	16	
		$\triangle\sim 6650 \text{ km}\sim 60^{\circ}$.				
	Aleutian Islands.					
» 19	Up	iP		11	38	21
» 19	Up	iP		17	20	25
	Ki	eP		17	20	32
	Sk	iP		17	20	45
» 19	Ki	eP		18	45	32
	Southern Spain.					
» 20	Up	iP		01	32	43
» 20	Ki	e(P)		02	18	20
» 20	Up	iP		04	52	25
	Ki	eP		04	51	55
		eS		05	01	28
				μ	s	
		M	E	0.6	16	
		M	N	0.6	18	
		M	Z	0.9	17	
		$\triangle\sim 8350 \text{ km}\sim 75^{\circ}$.				
	Bonin Islands region.					
» 20	Up	eP		06	33	35
	Ki	i(P)		06	33	26
» 20	Up	iP		12	22	37

1956	Apr 20	Up	eP	15	30	01
			iPP	15	34	32
				μ	s	
			PP	0.1	1.5	
		Ki	iP	15	29	46C
			i	15	33	00
			i(PKP)	15	33	54
			eSKS	15	40	12
			iS	15	41	17
			eSS	15	48	37
				μ	s	
		P	z'	0.2	1.0	
		SKS	E	0.4	9	
		S	E	0.5	7	
		M	E	0.8	18	
		M	N	0.9	22	
		M	Z	1.1	17	
		$\Delta \sim 11550 \text{ km} \sim 104^\circ$.				
		Sk	iP	15	30	07
			i	15	34	14
			iPKKP	15	45	25
		Banda Sea. h ~ 150 km (Ki).				
»	20	Up	iP	16	49	18
			i	16	49	25
				μ	s	
		P	z'	0.5	1.7	
		Ki	iP	16	49	41
			i	16	49	49
				μ	s	
		P	z'	0.1	1.1	
		Sk	iP	16	49	41C
		Southwest of Chagos Islands.				
»	20	Ki	e(P)	23	48	50
»	21	Ki	e(P)	01	11	11
»	21	Up	iP	01	37	13
		Sk	eP	01	37	29
		South of Formosa.				
»	21	Ki	i(P)	14	06	53
		Sk	e(P)	14	06	39
		Off south coast of Nicaragua.				
»	21	Up	i(PKP)	17	30	30
		Sk	eSKP	17	33	18
		Fiji Islands. Deep (h ~ 600 km).				
»	22	Up	iP	00	30	15
»	22	Up	iPKP	04	07	31C
			i	04	07	35
		Sk	iPKP	04	07	25
			i	04	07	38
		Kermadec Islands.				
»	22	Up	i(PKP)	04	59	03
				μ	s	
		M	E	2.1	20	

1956	Apr 22		M	N	2.0	20
	(cont.)		M	Z	2.2	18
		Ki	e		04	57
			ePS		05	09
			eSS		05	15
				μ	s	
			M	E	1.6	18
			M	N	1.2	18
			M	Z	3.2	19
		Sk	ePKP		04	59
		New Britain. Magn.=6.0 (Up, Ki).				
»	22	Up	iP		17	32
			iS		17	41
			iScS		17	42
				μ	s	
		P	N		0.6	5
		P	Z		0.9	5
		P	z'		0.2	1.3
		S	E		0.8	6
		S	N		2.7	11
		M	E		4.4	17
		M	N		6.8	17
		M	Z		5.3	18
		$\Delta = 7450 \text{ km} = 67^\circ$.				
		Ki	iP		17	31
			iS		17	39
			e(Sa)		17	46
				μ	s	
		P	N		0.9	5
		P	Z		0.9	5
		P	z'		0.3	1.1
		S	E		1.2	12
		S	N		2.5	11
		S	Z		1.9	12
		M	E		5.9	17
		M	N		2.6	15
		M	Z		6.7	16
		$\Delta = 6550 \text{ km} = 59^\circ$.				
		Sk	iP		17	32
		South of Alaska Peninsula. Magn.=6.5 (Up, Ki).				
»	23	Up	iP		03	42
			iPcP		03	43
			iS		03	51
			iPS		03	52
				μ	s	
		P	E		0.7	5
		P	N		1.5	5
		P	Z		4.0	5
		P	z'		1.8	1.2
		S	E		1.8	5
		S	N		2.2	8
		M	E		10.4	16
		M	N		10.4	16
		M	Z		13	17
		$\Delta = 7650 \text{ km} = 69^\circ$.				
		Ki	iP		03	42
			iS		03	50

1956 Apr 23 (cont.)	P	E	μ	s
	P	N	1.0	6
	P	Z	0.8	6
	P	Z'	2.2	5
	S	E	1.1	1.5
	S	N	2.2	7
	M	E	2.2	8
	M	N	7.8	15
	M	Z	4.4	16
	M	Z	11	15
	$\Delta = 6900 \text{ km} = 62^\circ$.			
Sk	iP		03	42 36C
Off east coast of Hokkaido, Japan.				
Slightly deeper than normal.				
Magn.=6.8 (Up, Ki).				
» 23 Ki	iP		04	13 44
» 23 Ki	eL		09	29
	M	E	μ	s
	M	N	0.8	18
	M	Z	0.6	20
	M	Z	1.2	18
South Atlantic Ocean.				
» 23 Ki	eP		14	03 27
» 24 Up	eP		01	25 26
» 24 Up	iP		02	27 21
» 24 Ki	iP		14	54 52
» 24 Up	iP		16	45 55
» 24 Up	eP		21	52 37
Sinkiang-Tadzhik border.				
» 24 Up	iP		23	35 16
	i		23	35 29
	P	Z'	μ	s
	P	Z'	0.2	1.3
Ki	iP		23	34 25D
	i		23	34 37
Off southeast coast of Kamchatka.				
» 25 Ki	iP		00	28 07
» 25 Up	iP		03	00 44
» 25 Up	iP		08	05 47
	i		08	05 55
	P	Z'	μ	s
	P	Z'	0.1	1.3
M	E		1.1	14
Sk	eP		08	06 29
Greece.				
» 25 Up	eL		09	25
	M	E	μ	s
	M	E	1.4	21

1956 Apr 25 (cont.)	M	N	1.1	21
	M	Z	1.8	21
Ki	eL		09	23
	M	E	μ	s
	M	E	1.9	21
	M	N	0.8	21
	M	Z	3.8	22
Fiji Islands.				
» 25 Up	iP		19	14 09
» 25 Up	iP		20	55 22
» 26 Up	iP		02	23 46D
» 26 Up	eP		03	03 53
Italy.				
» 26 Up	eL		08	39
	M	E	μ	s
	M	E	1.5	23
	M	N	1.2	22
	M	Z	1.6	23
Ki	eL		08	37
	M	E	μ	s
	M	E	0.9	20
	M	N	0.7	20
	M	Z	3.0	22
Fiji Islands.				
» 26 Up	iP		11	50 01
	i(pP)		11	50 14
	P	Z'	μ	s
	P	Z'	0.1	1.0
	M	E	1.3	24
	M	N	1.1	24
	M	Z	1.7	24
Ki	iP		11	49 23D
	i(pP)		11	49 36
	P	Z'	μ	s
	P	Z'	0.1	1.2
	M	E	1.1	22
	M	N	0.8	24
	M	Z	1.7	18
Sk	iP		11	49 56
	i(pP)		11	50 09
Honshu, Japan.				
» 26 Up	iP		15	02 29
	i		15	02 31
	P	Z'	μ	s
	P	Z'	0.2	1.0
	M	N	0.6	13
Ki	iP		15	01 42
	e(Lg2)		15	21 56
	e		15	23 50
	P	Z'	μ	s
	P	Z'	0.1	1.0
	M	E	0.8	17
	M	N	0.5	15

1956 Apr 26 (cont.)	M	Z	0.8	15
Northern Sakhalin.				
Magn.=6.0 (Up, Ki).				
» 26 Up	iP		17	09 54
	e		17	10 20
	M	N	μ	s
	M	N	0.8	19
Ki	eP		17	12 17
	M	E	μ	s
	M	E	0.5	16
	M	N	0.4	16
	M	Z	0.8	15
Kurile Islands.				
» 26 Up	iP		21	19 26
» 28 Up	iP		06	48 57
Ki	eP		06	48 29
	eSKS		06	58 57
	P	Z'	μ	s
	P	Z'	0.1	1.5
	SKS	E	0.4	12
	SKS	N	0.3	12
Sk	iP		06	48 55
Marianas Islands.				
» 28 Up	iP		07	10 50
	epP		07	11 29
Ki	iP		07	10 38C
	ipP		07	11 17
	eS		07	20 40
	P	Z'	μ	s
	P	Z'	0.3	1.0
	S	E	0.4	9
Sk	iP		07	10 32C
	ipP		07	11 11
Mexico. h=160 km (Up, Ki, Sk).				
» 28 Up	iP		14	39 04
Sk	iP		14	38 54
» 28 Up	iPKP		15	14 15C
	i		15	14 36
	PKP	Z'	μ	s
	PKP	Z'	0.1	1.0
Ki	e(PKP)		15	13 50
	iPKP		15	14 01
	M	E	μ	s
	M	E	1.0	23
	M	N	0.9	23
	M	Z	2.1	23
Sk	iPKP		15	14 10
	i		15	14 20
Kermadec Islands.				
» 29 Up	iP		17	35 09
» 29 Up	iP		20	16 42
» 29 Up	iP		22	03 56C

1956 Apr 29 (cont.)	i		22	04 10
	P	Z'	μ	s
	P	Z'	0.3	1.3
Ki	iP		22	04 30
	i		22	04 38
	P	Z'	μ	s
	P	Z'	0.3	1.3
Amirante Islands, Indian Ocean.				
» 30 Up	iP		12	19 39
Ki	iP		12	20 19
Caucasus.				
» 30 Ki	eP		12	40 11
	i		12	41 54
May 1 Up	iP		02	55 13C
	i		02	55 30
	iPP		02	58 46
	iSKS		03	05 39
	e		03	06 32
	P	Z'	μ	s
	P	Z'	0.5	0.9
	PP	Z'	0.2	1.4
	M	N	1.1	23
	M	Z	0.7	19
$\Delta = 10100 \text{ km} = 91^\circ$.				
Ki	iP		02	55 12C
	i		02	55 23
	i		02	55 28
	iPP		02	58 49
	eSKS		03	05 35
	eS		03	05 59
	e		03	06 38
	P	Z'	μ	s
	P	Z'	1.2	1.0
	PP	Z'	0.1	1.3
	S	E	0.4	9
	M	E	0.9	18
	M	N	0.8	21
	M	Z	1.2	18
$\Delta = 10100 \text{ km} = 91^\circ$.				
Sk	iP		02	55 26C
	i		02	55 42
	iPP		02	59 17
$\Delta = 10500 \text{ km} = 94\frac{1}{2}^\circ$.				
Near south coast of Sumatra.				
Slightly deeper than normal.				
Magn.=6.6 (Up, Ki).				
» 1 Up	iP		05	32 36
» 1 Up	iP		06	22 44
» 1 Up	iP		21	16 03
» 1 Up	iP		22	24 04
Sk	iP		22	24 17
» 2 Up	iP		06	45 40
	epP		06	47 38

1956 May (cont.)	2	Ki	iP	06	45	09
			e	06	46	39
		Sk	iP	06	45	37
		Bonin Islands region. h=550 km (Up).				
»	2	Up	iPKP	17	07	44C
		Kermadec Islands region.				
»	2	Up	iPKP	18	27	15
		Probably Kermadec Islands region.				
»	3	Up	iP	15	41	16
»	3	Up	iP	17	33	32
		Ki	iP	17	33	19
				μ	s	
		M	E	0.9	11	
		M	N	0.4	10	
		M	Z	1.2	12	
		Central Asia.				
»	4	Ki	eP	05	37	24
»	4	Ki	eP	10	39	51
»	4	Ki	iP	11	20	45
»	4	Up	iP	18	57	50
		Ki	iP	18	57	31C
		Luzon.				
»	4	Up	iP	23	28	41
		Near southeast coast of England.				
»	5	Sk	iP	00	45	29
»	5	Ki	e(PKP)	03	41	44
		Samoa Islands region.				
»	5	Ki	eP	08	25	58
»	5	Up	iP	19	40	57
		Greece.				
»	5	Up	iP	20	46	45
»	5	Up	iP	20	47	09
		Ki	iP	20	48	16
		Southwest coast of Turkey.				
»	5	Ki	iP	22	34	45
		Southwest coast of Turkey.				
»	6	Up	iP	21	08	07C
			i	21	08	10
				μ	s	
		P	Z'	0.3	1.0	
		M	E	1.2	19	
		M	N	1.9	18	
		M	Z	2.0	19	

1956 May (cont.)	6	Ki	iP	21	07	13
			i	21	07	16
			iPeP	21	08	07
				μ	s	
		P	Z'	0.4	1.0	
		M	E	1.4	22	
		M	N	1.1	23	
		M	Z	1.7	18	
		$\Delta=6450$ km = 58°.				
		Sk	iP	21	07	42
			i	21	07	45
		Alaska.				
»	6	Up	iP	22	13	30
		Ki	iP	22	12	44
		Kurile Islands.				
»	6	Up	iP	23	23	12D
		Ki	iP	23	23	21
»	6	Up	iP	23	43	51
		Ki	iP	23	42	57
»	7	Up	iP	00	54	41
		Ki	eP	00	54	22
»	7	Up	iP	03	57	38
		Ki	iP	03	59	00
		Sk	iP	03	58	30
		Rumania.				
»	7	Up	iP	08	29	28
		Ki	iP	08	29	21
		Sk	eP	08	29	10
		Guatemala.				
»	7	Up	iPKP	11	17	18
			e	11	35	28
			eSS	11	35	49
				μ	s	
		M	E	7.1	24	
		M	N	6.1	20	
		M	Z	9.4	24	
		Ki	iPKP	11	17	25
			eSKKS	11	26	23
				μ	s	
		M	E	5.7	20	
		M	N	2.3	18	
		M	Z	9.4	22	
		Sk	iPKP	11	17	25
		South Indian Ocean. Magn.=6.7 (Up, Ki).				
»	7	Up	iP	11	37	16
»	7	Ki	iP	20	56	22
»	7	Up	e(P)	22	55	36
			i(Sg)	22	56	32
		Local?				

1956 May	8	Up	iP	03	19	51
		Ki	iP	03	19	30
			i	03	20	25
		Near north coast of Luzon.				
»	8	Up	iP	10	50	04
		Ki	eP	10	47	36
			i	10	48	21
			e	10	50	22
			eT	10	54	49
				μ	s	
		M	E	0.9	16	
		M	N	0.4	12	
		M	Z	1.2	18	
		Sk	iP	10	49	10
		Arctic Ocean.				
»	8	Up	iP	16	47	00
»	8	Up	eP	19	57	47
		Ki	iP	19	57	49C
				μ	s	
		M	N	0.8	12	
		Sk	eP	19	58	15
		Hindu Kush.				
»	8	Up	iP	20	57	39
				μ	s	
		Ki	P	0.2	1.5	
			iP	20	58	16
				μ	s	
		P	Z'	0.2	1.7	
		M	N	0.5	14	
		Sk	iP	20	58	15D
		Iran.				
»	9	Up	iP	00	23	52
		Ki	iP	00	22	59
»	9	Up	iP	18	56	02
			i	18	56	14
				μ	s	
		P	Z'	0.1	0.7	
		Ki	iP	18	55	45
		Sk	iP	18	56	08
		Off north coast of Luzon.				
»	9	Up	iP	22	23	45
		Sk	iP	22	23	39
»	9	Up	iP	22	31	00
»	9	Ki	i(P)	23	32	44
»	10	Up	iP	05	58	11
			ePP	06	02	02
		Ki	iP	05	57	45
				μ	s	
		P	Z'	0.1	1.0	
		Marianas Islands.				

1956 May	10	Up	iP	16	47	27
		Ki	iP	16	46	33D
			iPeP	16	47	22
				μ	s	
		P	Z'	0.1	1.3	
		$\Delta=6550$ km = 59°.				
		Sk	iP	16	47	02
		Alaska.				
»	10	Up	iP	18	16	37
			i	18	16	42
				μ	s	
		P	Z'	0.1	1.0	
		Ki	iP	18	15	03D
			eT	18	26	45
				μ	s	
		P	N	0.9	3	
		P	Z	0.7	3	
		P	Z'	0.6	2.2	
		M	Z	2.7	21	
		Sk	iP	18	15	53
		Off west coast of Spitsbergen. This is the first time a T phase has been observed at Kiruna from this locality.				
»	10	Up	iP	23	17	35
		Ki	iP	23	17	18
		Molucca Passage.				
»	11	Up	iPKP	15	55	18
		Ki	iPKP	15	55	34
			i(PKS)	15	58	52
				μ	s	
		PKP	Z'	0.1	1.5	
		Sandwich Islands.				
»	11	Up	iP	16	05	14
»	11	Ki	i(P)	22	39	57
			iSg	22	41	07
		Local.				
»	11	Ki	e(P)	23	10	26
»	12	Up	iP	02	45	50
»	12	Up	iP	03	34	15
»	12	Up	iP	09	56	01
		Ki	iP	09	55	25C
		Sk	iP	09	55	57
		South of Honshu, Japan.				
»	12	Up	iP	14	30	10
»	12	Up	iP	21	51	30
		Ki	iP	21	50	46
				μ	s	
		P	Z'	0.1	1.1	
		Sk	iP	21	51	21
		Off east coast of Hokkaido, Japan.				

1956					
May 13	Up	iP	04	33	20
	Ki	eP	04	31	55
		i	04	32	02
		North Polar region.			
» 13	Ki	i(P)	06	38	19
» 13	Up	iP	07	58	55
		ePeP	08	00	35
		ePP	08	00	45
		iS	08	05	45
		e	08	07	45
			μ	s	
		P	0.4	1.5	
		S	1.3	11	
		M	12	18	
		M	16	18	
		M	14	18	
		$\Delta \sim 5100 \text{ km} \sim 46^\circ$.			
	Ki	iP	07	59	13
		iPeP	08	00	43
			μ	s	
		P	0.2	2.0	
		M	9.2	17	
		M	5.9	17	
		M	10.7	16	
	Sk	iP	07	59	25C
		Pakistan.			
		Magn.=6.1 (Up, Ki).			
» 13	Up	iP	08	07	36
	Ki	eP	08	07	51
» 13	Up	iP	09	02	43
	Ki	iP	09	01	19
		i	09	01	26
			μ	s	
		P	0.1	1.1	
	Sk	iP	09	02	10
		i	09	02	15
		North Polar region.			
» 13	Up	iP	14	40	08
			μ	s	
		P	0.1	1.3	
	Ki	eP	14	38	44
		i	14	38	52
			μ	s	
		i	0.3	1.2	
		M	0.6	17	
	Sk	iP	14	39	39
		North Polar region.			
» 13	Up	iP	16	45	44
» 13	Up	iP	21	50	43
» 13	Up	iP	22	53	40
» 14	Up	iP	02	40	53

1956
May 16 Up iP 07 00 46
» 16 Up iP 10 24 35
» 16 Up iP 12 22 25
» 16 Up eP 14 23 22
» 16 Up e(P) 20 39 29
» 16 Ki iSKP South of Fiji Islands. Deep.
» 16 Ki eP 22 35 29
» 17 Up iP 00 14 47
Ki iP 00 14 56C
P μ s Hindu Kush. 0.1 1.0 Intermediate depth.
» 17 Ki e(P) i 03 46 56
i 03 47 09
» 17 Ki e(P) i 16 30 41
i 16 30 57
» 17 Up iP 21 19 38 D
P μ s Ki iP z' 21 18 44 D
P μ s Sk iP z' 21 19 18 D
Aleutian Islands.
» 17 Up iP 23 05 26
Ki e(P) 23 04 20
» 17 Up iP 23 11 43
Ki iP 23 11 03
Off east coast of Honshu, Japan.
» 18 Up iP 03 43 06
» 18 Ki iP 06 08 36
» 18 Ki eP 09 40 14
» 18 Ki eP 10 03 55
Sk iP 10 04 24
Southern Alaska.
» 18 Up iP 15 00 52
P μ s z' 0.1 1.0
» 18 Up i(P) 18 36 38
1956
May 18 Up iP 21 38 25
» 18 Ki iP 21 59 08
iSg 22 00 04
Local.
» 18 Up iP 22 13 13
i 22 13 21
eS 22 17 12
μ s
P N 0.3 2
P Z 0.6 2
P z' 0.9 1.7
S E 0.9 7
M E 4.9 15
M N 2.3 10
M Z 2.0 12
△=2400 km=21½°.
Ki iP 22 14 28
eLgl 22 23 45
μ s
M E 2.6 12
M N 1.6 12
M Z 2.7 13
Sk iP 22 13 56
i 22 14 13
Near east coast of Greece.
Magn.=6.1 (Up).
The earthquakes in Greece often give multiple P phases at our stations, the first P phase generally being the weakest.
» 19 Up eL 01 27
μ s
M E 1.3 20
M N 1.9 21
M Z 1.8 21
Ki iPKP 00 40 07
Santa Cruz Islands.
» 19 Up iPKP 01 49 26
i 01 49 38
iPKKP 01 59 45
μ s
M E 2.2 23
M N 3.4 21
M Z 2.2 21
△=13100 km=118°.
Ki iPKP 01 49 14
i 01 49 27
eSKKS 01 57 01
e(PS) 01 59 25
μ s
M E 5.0 22
M N 2.1 20
M Z 5.4 21
Sk iPKP 01 49 25
i 01 49 38
Solomon Islands.
Magn.=6.4 (Up, Ki).

1956	May 19	Ki	iP	08	26	08
			Region of Alaska.			
»	19	Up	iP	14	21	59
			M N	μ 0.9	s 20	
		Ki	iP	14	22	36
			P Z'	μ 0.1	s 1.5	
			M E	0.9	16	
			M N	0.3	12	
			M Z	0.5	11	
		Sk	iP	14	22	34
			Southern Iran.			
»	19	Up	e(P)	14	34	32
»	19	Up	iP	15	13	41 D
»	19	Up	e	20	21	04
			eSKS	20	26	51
			eS	20	28	02
			SKS N	μ 1.0	s 8	
			S E	1.3	10	
			M E	1.9	18	
			M N	2.4	19	
			M Z	2.4	20	
			$\Delta \sim 11450 \text{ km} \sim 103^\circ$.			
		Ki	ePKP	20	20	53
			e	20	21	50
			e	20	22	58
			ePPP	20	23	38
			eS	20	29	04
			S E	μ 1.0	s 11	
			M E	2.0	17	
			M N	1.0	15	
			M Z	2.4	18	
			$\Delta \sim 12100 \text{ km} \sim 109^\circ$.			
			Indian Ocean.			
			Magn.=6.3 (Up, Ki).			
»	19	Sk	eP	23	53	17
»	20	Ki	eP	06	22	49
»	20	Ki	iPg	06	43	18
			iSg	06	43	49
		Sk	e	06	45	52
			Local.			
»	20	Up	iP	15	49	52 D
			i	15	50	30
			P Z'	μ 0.1	s 1.0	
		Ki	iP	15	49	55
		Sk	iP	15	50	14 D
			i	15	50	42
			Sinkiang, China.			
»	21	Up	ePKP	00	48	04
			Northern Chile.			

1956	May 21	Up	iP	09	25	42
			i	09	26	00
		Ki	eP	09	24	43
			i	09	25	05
		Sk	iP	09	25	13
			i	09	25	33
			Alaska.			
»	21	Up	iP	13	42	23
»	21	Up	iPKP	23	10	43
			i	23	10	49
			PKP Z'	μ 0.1	s 1.3	
		Sk	ePKP	23	10	35
			Near north coast of North Island,			
			New Zealand.			
»	21	Ki	iP	23	49	32
			Near west coast of Turkey.			
»	22	Up	iP	02	18	34
		Ki	iP	02	18	17
			P Z'	μ 0.1	s 1.0	
		Sk	eP	02	18	31
			i	02	18	38
			South of Mindanao.			
»	22	Up	ePKP	03	20	13
			ePP	03	22	55
			iPKS	03	24	03
			PKP Z	μ 0.4	s 5	
			PKS N	1.0	8	
			M E	1.3	20	
			M N	3.0	22	
			M Z	3.5	22	
			$\Delta \sim 14900 \text{ km} \sim 134^\circ$.			
		Ki	ePKP	03	20	11
			ePP	03	22	10
			e	03	23	25
			PP N	μ 0.3	s 6	
			PP Z	0.5	6	
			M E	3.0	20	
			M N	1.1	20	
			M Z	3.4	21	
			$\Delta \sim 14100 \text{ km} \sim 127^\circ$.			
		Sk	ePKP	03	20	19
			iPP	03	23	04
			Samoa Islands.			
			Magn.=6.3 (Up, Ki).			
»	22	Up	iP	05	24	29
		Ki	iP	05	24	15
		Sk	iP	05	24	35
			Near east coast of Celebes.			
»	22	Up	i(P)	05	28	30

1956	May 22	Up	e(S)	08	33	06
		Ki	i(S)	08	30	22
			i	08	30	58
		Sk	e(P)	08	31	59
			i(S)	08	33	04
			Local.			
»	22	Up	iP	13	50	08
			iPKP	13	53	56 C
			iPP	13	55	01
			iSKS	13	59	52
			i!	14	01	04
			e	14	03	29
			iPKKP	14	04	37
			PP E	μ 0.6	s 6	
			PP N	0.7	6	
			PP Z	1.4	6	
			PP Z'	0.3	1.3	
			SKS E	1.1	6	
			SKS N	1.2	7	
			M E	1.3	20	
			M N	1.4	18	
			M Z	1.7	20	
			$\Delta \sim 12800 \text{ km} \sim 115^\circ$.			
		Ki	iP	13	49	42
			iPKP	13	53	43
			iPP	13	54	19
			epPP	13	55	56
			iSKS	13	59	32
			i!	14	00	27
			e	14	02	51
			ePKKP	14	04	56
			PP E	μ 0.4	s 7	
			PP N	0.3	7	
			PP Z	0.7	7	
			PP Z'	0.2	1.7	
			SKS E	2.1	9	
			SKS N	1.0	8	
			M E	0.9	18	
			M N	1.0	19	
			M Z	1.7	18	
			$\Delta \sim 12000 \text{ km} \sim 108^\circ$.			
		Sk	eP	13	50	06
			e	13	53	33
			iPKP	13	53	56
			iPP	13	54	57
			iPKKP	14	04	32
			$\Delta \sim 12800 \text{ km} \sim 115^\circ$.			
			New Ireland.			
			Deep (h ~ 550 km).			
			Magn.=6.5 (Up, Ki).			
»	22	Up	iP	21	05	33 C
		Ki	iP	21	05	21
		Sk	iP	21	05	47 C
			Assam-China border region.			
»	23	Up	eP	00	10	37
		Ki	iP	00	11	46
			Algeria.			

1956	May 23	Up	i(P)	03	18	28
			i	03	18	45
			Local?			
»	23	Up	eP	06	43	15
		Sk	iP	06	43	42
			Algeria.			
»	23	Up	iP	06	52	14
		Ki	iP	06	51	53
			M N	μ 0.2	s 11	
			M Z	0.3	12	
		Sk	eP	06	49	43
»	23	Up	eP	10	27	39
			iS	10	37	37
			$\Delta = 8800 \text{ km} = 79^\circ$.			
		Ki	iP	10	28	03
			i	10	28	20
			eS	10	38	24
			S E	μ 0.3	s 13	
			$\Delta = 9350 \text{ km} = 84^\circ$.			
		Sk	iP	10	28	03
			Chagos Islands region.			
»	23	Ki	iPKP	17	00	43
			Fiji Islands.			
»	23	Up	i(PKP)	21	06	47
			iPKP	21	06	57
			i!	21	08	43
			i	21	09	23
			isPKP	21	09	32
			iSKP	21	09	50
			iPKS	21	10	27
			i	21	10	56
			i	21	11	43
			ipPKS	21	12	10
			isPKS	21	12	52
			iSKS	21	13	32
			i	21	15	44
			iSKSP	21	18	51
			i	21	19	15
			PKP E	μ 0.2	s 3	
			PKP N	0.4	3	
			PKP Z	2.4	3	
			PKP Z'	2.7	2.0	
			SKP E	15	16	
			SKP N	39	16	
			SKP Z	120	16	
			SKP Z'	14	2.4	
			PKS E	16	11	
			PKS N	26	10	
			SKS N	24	12	
			M E	51	26	
			M N	49	26	
		Ki	iP	21	03	26
			ipP	21	05	02

1956 May 23 (cont.)	esP	21	05	48
	e	21	06	28
	iPKP	21	06	43
	ipPKP	21	08	36
	iPP	21	08	41
	iPKS	21	09	59
	iSKS	21	13	10
	i	21	14	55
	i	21	17	17
	i	21	17	52
	iSP	21	18	10
	i	21	19	28
	iSKKP	21	19	45
	e	21	20	04
		μ	s	
	P	N	0.4	13
	P	Z	1.6	13
	PKP	N	0.4	7
	PKP	Z	3.0	7
	PKP	Z'	3.0	2.0
	PP	N	3.5	9
	PP	Z	9.5	9
	PKS	E	8.7	10
	PKS	N	9.4	10
	SKS	E	8.6	13
	SKS	N	11	12
	M	E	21	22
	M	N	8.9	16
	M	Z	20	18
Sk	i(PKP)	21	06	42
	iPKP	21	06	54
	i!	21	08	38
	i	21	09	16
	iSKP	21	09	41
	i	21	19	40
	Fiji Islands. h=420 km (Ki). Magn.=7.5 (Ki). SKP has not been found on the records at Kiruna, but it has very large ampli- tudes at Uppsala and Skanstugan.			
» 23	Ki	iP	21	33 18
			μ	s
	Sk	P	0.1	1.5
		z'		
	Sk	eP	21	34 10
» 23	Up	i(P)	21	38 49
	Sk	iP	21	38 40 D
» 23	Up	i(P)	21	42 51
			μ	s
	Sk	(P)	0.1	1.5
		z'		
	Sk	e(P)	21	42 40
» 23	Ki	eP	22	07 57
» 23	Up	iP	22	13 43
	Sk	iP	22	13 34
» 24	Ki	eP	02	39 33

1956 May 24 (cont.)			μ	s	
	M	E	0.8	15	
	M	N	0.4	15	
	M	Z	0.8	16	
	Sk	iP	02	39	40
	Gulf of California.				
» 24	Ki	eP	05	11	11
» 24	Up	ePg	09	01	59
		eSg	09	02	52
		$\Delta=460$ km=4.1°.			
	Ki	e	09	05	59
		eSg	09	06	11
		$\Delta=1120$ km=10.1°.			
	Sk	ePg	09	02	19
		iSg	09	03	28
		$\Delta=580$ km=5.2°.			
	Skagerack, 58.6°N. 10.3°E.				
	Origin time=09 00 36.				
» 24	Up	iP	09	24	52
	Ki	eP	09	26	00
	Sk	eP	09	25	39
» 24	Ki	iP	20	13	43
	Banda Sea.				
» 24	Ki	eP	20	45	42
» 25	Up	iP	01	03	05C
			μ	s	
	P	z'	0.1	1.0	
	M	N	1.0	22	
	Ki	iP	01	03	06C
		eS	01	13	30
			μ	s	
	P	z'	0.1	1.1	
	S	E	0.7	12	
	M	E	1.4	19	
	M	N	0.4	19	
	M	Z	1.9	19	
		$\Delta\sim 9450$ km $\sim 85^\circ$.			
	Sk	iP	01	03	20C
	Near coast of Sumatra.				
» 25	Up	iP	02	31	40
	Indian Ocean.				
» 25	Up	iPKP	12	33	10C
		i	12	33	18
	Ki	ePKP	12	32	47
	Sk	iPKP	12	33	05C
		i	12	33	17
	South of Kermadec Islands.				
» 26	Ki	iP	02	27	34
» 26	Up	eP	08	44	23
		i(PP)	08	48	28

1956 May 26 (cont.)			μ	s
	M	E	0.9	17
	M	N	1.9	21
	M	Z	1.7	20
	Ki	eP	08	44 04
		i	08	44 15
			μ	s
	P	z'	0.2	1.8
	M	E	1.9	20
	M	N	1.0	20
	M	Z	1.4	18
	Sk	iP	08	44 25
	Banda Sea.			
» 26	Up	iP	12	47 31
		i	12	47 52
	Ki	iP	12	48 01
» 26	Ki	eP	13	29 40
» 26	Up	iP	18	43 51
			μ	s
	M	E	1.7	15
	M	N	1.5	14
	M	Z	1.3	13
	Ki	eP	18	45 13
			μ	s
	M	E	1.0	14
	Sk	eP	18	44 34
	Italy.			
» 26	Up	iPKP	20	39 29
		iPKP	20	39 36
		isP	20	39 43
		i	20	42 14
		iSKP	20	42 18
		iPP	20	42 28
		isPP	20	45 33
		i!	20	48 24
		i!	20	51 09
			μ	s
	PKP	z'	0.5	1.5
	SKP	N	0.5	4
	SKP	Z	1.7	3
	SKP	z'	0.8	1.0
	PP	z'	0.6	1.2
	M	E	2.6	20
	M	N	4.4	22
	M	Z	2.6	24
		$\Delta\sim 15100$ km $\sim 136^\circ$.		
	Ki	ePKP	20	39 16
		i	20	39 22
		iPKP	20	41 32
		iSKP	20	41 49
		isPKP	20	42 25
		i!	20	47 39
		i	20	52 17
		eSS	20	58 17
			μ	s
	PKP	z'	0.4	1.5
	SKP	Z	4.0	3

1956 May 26 (cont.)	SKP	z'	2.4	1.8
	M	E	2.8	18
	M	N	1.3	19
	M	Z	2.0	21
	$\Delta\sim 14350$ km $\sim 129^\circ$.			
	Sk	ePKP	20	39 27
		iPKP	20	39 37
		i	20	42 07
		iSKP	20	42 10
		i	20	51 23
	Fiji Islands. Deep (h ~ 550 km).			
» 26	Up	iP	23	15 40
» 27	Up	iP	13	21 52
	Ki	iP	13	21 54
		i	13	22 03
			μ	s
	P	z'	0.1	1.3
	Sk	iP	13	22 08
	Near north coast of Sumatra.			
» 27	Ki	iP	17	10 31
	Banda Sea. Intermediate depth.			
» 27	Ki	e(P)	17	20 25
		i	17	20 56
» 27	Ki	eP	18	09 27
	Bikini (H-bomb).			
» 27	Up	iP	23	16 20 D
» 28	Ki	iP	01	54 03
	North Atlantic Ocean.			
» 28	Up	iP	09	27 44 D
		i	09	28 10
			μ	s
	P	z'	0.1	0.9
	Ki	iP	09	27 26
			μ	s
	P	z'	0.2	1.0
	North of Samar Island, Philippine Islands.			
» 28	Up	i(P)	09	34 20
» 28	Up	iP	13	36 43
		i	13	40 22
		i	13	41 08
	Ki	iP	13	36 28
		ipP	13	36 54
		iPP	13	40 11
			μ	s
	P	z'	0.1	1.5
	Sk	iP	13	36 47
		ipP	13	37 15
		iPP	13	40 50
	Northern Celebes. h=105 km (Ki, Sk).			

1956	May 28	Up	iP	21	46	21
»	29	Ki	iP	00	35	29
»	29	Up	iP	06	42	22C
			ipP	06	42	40
		Ki	P	μ 0.1	s 1.0	
			iP	06	42	21
			ipP	06	42	40
		Sk	P	μ 0.2	s 1.0	
			iP	06	42	35C
			ipP	06	42	53
Near south coast of Sumatra. h=75 km (Up, Ki, Sk).						
»	29	Up	i(P)	06	55	02
		Sk	i(P)	06	55	07
				06	54	58
»	29	Up	iP	09	50	35
»	30	Up	iP	00	43	46
»	30	Up	eP	03	06	34
		Ki	iP	03	06	38
»	30	Ki	iP	09	54	11
			i	09	54	35
		Sk	e(P)	09	54	30
»	30	Up	iPKP	16	00	43
			iSKP	16	03	52
		Ki	SKP	μ 0.1	s 1.5	
			iPKP	16	00	35
			iSKP	16	03	29
		Sk	SKP	μ 0.1	s 1.3	
			ePKP	16	00	36
			iSKP	16	03	47
Tonga Islands region. Deep (h ~ 350 km).						
»	31	Up	iP	02	35	28
			i	02	38	18
			i	02	41	33
»	31	Up	iP	15	01	14
		Ki	iP	15	00	28
Kurile Islands.						
»	31	Up	iP	15	13	59
		Ki	e(P)	15	15	50
»	31	Up	iP	18	30	27
»	31	Ki	iPKP	21	19	48
Fiji Islands.						

1956	May 31	Up	i(P)	21	22	44
		Ki	i(P)	21	22	22
		Sk	(P)	μ 0.1	s 1.5	
			i(P)	21	22	38
June 1	Sk	iP		05	58	00
»	1	Ki	eP	10	50	25
			M	μ 0.6	s 15	
			M	μ 0.3	s 12	
			M	μ 0.8	s 15	
Iceland.						
»	1	Ki	e(P)	22	53	36
»	2	Ki	iP	07	22	12
		Sk	iP	07	22	32
»	2	Up	iP	16	33	06
		Ki	iP	16	33	49D
»	2	Ki	i(P)	16	55	34
»	2	Up	iP	17	20	07
			P	μ 0.1	s 1.3	
»	2	Up	iP	23	04	43D
			P	μ 0.1	s 0.9	
		Ki	iP	23	03	50
		Sk	iP	23	04	23D
Aleutian Islands.						
»	2	Up	iP	23	15	13
»	2	Up	iP	23	30	50
»	3	Up	iP	05	26	44C
			i	05	26	48
			iPcP	05	29	07
			eS	05	32	29
			P	μ 0.5	s 1.0	
			M	μ 1.0	s 16	
			M	μ 1.1	s 20	
			M	μ 1.3	s 15	
$\Delta = 4100 \text{ km} = 37^\circ$.						
		Ki	iP	05	25	39
			i	05	25	48
			iPcP	05	28	43
			eS	05	30	42
			P	μ 0.5	s 1.0	
			M	μ 1.4	s 15	
			M	μ 1.4	s 15	
			M	μ 2.7	s 15	
$\Delta = 3350 \text{ km} = 30^\circ$.						
Sk	iP			05	26	09

1956						
June 3	3	i		05	26	15
(cont.)		Arctic Ocean.				
»	3	Up	iP	13	41	13
		Ki	iP	13	40	40
		Sk	iP	13	41	09
		Bonin Islands.				
»	3	Up	i(P)	18	03	01
»	3	Up	iPKP	19	12	08
				μ	s	
			PKP	0.3	1.5	
		Ki	ePKP	19	11	52
		Sk	iPKP	19	12	03
		Kermadec Islands.				
»	4	Up	iP	02	17	49C
				μ	s	
			P	0.1	1.1	
		Ki	iP	02	16	57
				μ	s	
			P	0.1	1.0	
		Near south coast of Kamchatka.				
»	4	Up	iP	02	30	35C
				μ	s	
			P	0.2	1.4	
		Ki	iP	02	29	43
				μ	s	
			P	0.1	1.3	
		Near south coast of Kamchatka.				
»	4	Up	i(P)	07	18	29
		Ki	iP	07	17	23
		Aleutian Islands.				
»	4	Up	iP	07	20	22
			i	07	20	33
			eS	07	29	20
			e(ScS)	07	30	20
			iP'P'	07	48	45
				μ	s	
			P	0.4	1.0	
			P'P'	0.3	2.0	
			M	3.1	18	
			M	5.6	18	
			M	5.3	19	
			$\Delta = 7550 \text{ km} = 68^\circ$.			
		Ki	iP	07	19	29C
			i	07	19	37
			eS	07	27	51
				μ	s	
			P	0.5	1.0	
			S	0.8	10	
			M	8.4	18	
			M	4.8	17	
			M	10	18	
			$\Delta \sim 6800 \text{ km} \sim 61^\circ$.			
Sk		iP		07	20	01

1956						
June 4	4	i		07	20	10
(cont.)		Aleutian Islands.				
		Magn.=6.5 (Up, Ki).				
»	4	Up	iPKP	12	25	42
			i	12	26	04
					μ	s
			PKP		0.3	1.1
			M		1.2	18
			M		1.6	18
			M		1.6	18
		Ki	iPKP	12	25	24C
			i	12	25	49
			iPKS	12	29	14
					μ	s
			M		1.4	19
			M		1.4	20
			M		2.4	20
		Sk	iPKP	12	25	38
		Kermadec Islands.				
»	4	Ki	iP	14	47	53
»	4	Up	iP	17	25	38
»	4	Up	e(Sg)	18	56	15
		Ki	e	19	01	59
		Local?				
»	4	Up	iPKP	18	57	07
		Kermadec Islands region.				
»	4	Up	e(P)	20	41	56
		Ki	eP	20	41	54
»	4	Up	iP	23	55	17
			iPP	23	56	43
		Ki	ePP	23	56	28
		Sk	eP	23	55	30
		Central Asia.				
»	5	Up	iP	01	51	37
»	5	Up	iP	05	43	27
		Ki	iP	05	43	22
		Java.				
»	5	Up				
					μ	s
			M		2.1	18
			M		1.8	20
			M		2.6	17
		Ki	ePKP	06	19	40
			iPKP2	06	19	53
			e	06	24	00
					μ	s
			PKP2		0.6	6
			PKP2		0.1	1.6
			M		1.9	18
			M		1.7	20

1956 June 5 (cont.)	M	z	3.2	19
Pacific Ocean. Magn.=6.2 (Up, Ki).				
» 5	Up	iP	16	24 33
	Ki	iP	16	24 00
Aleutian Islands.				
» 5	Up	eP	18	26 23
» 5	Up	iP	19	11 40
	P	z'	μ 0.3	s 1.2
	Ki	iP	19	10 48C
	P	z'	μ 0.1	s 1.0
Kamchatka.				
» 5	Ki	eP	19	29 27
» 5	Up	eP	20	28 03
		iPP	20	28 15
	Ki	iP	20	27 10
		iPP	20	27 23
Aleutian Islands. h=50 km (Up, Ki).				
» 6	Ki	iP	16	02 08
» 6	Ki	iP	20	01 22
» 6	Ki	iP	21	46 38
» 6	Up	iP	22	59 20
» 6	Up	i(P)	23	18 35
		i(Sg)	23	19 10
	Ki	e(Sg)	23	17 12
Local?				
» 6	Up	iP	23	29 11
	Sk	eP	23	29 30
» 8	Up	iPKP	02	13 07
	Ki	iPKP	02	12 54
	Sk	iPKP	02	13 04D
Santa Cruz Islands. Deep (h~300 km).				
» 8	Sk	iP	02	23 39
» 8	Ki	iP	03	32 46
» 8	Up	iP	04	15 08C
		iPP	04	16 39
		e	04	23 47
		i	04	25 35
	P	z'	μ 0.3	s 1.2
	PP	E	1.1	4
	PP	N	0.2	4

1956 June 8 (cont.)	PP	z	1.1	4
	PP	z'	0.9	1.7
	M	E	3.1	21
	M	N	8.5	21
	M	z	3.0	19
$\Delta=4550$ km=41°.				
Ki	iP		04	15 22C
	i(PP)		04	16 51
	iPP		04	17 02
	iSS		04	24 41
	eLi		04	28 40
	eLgl		04	29 26
	P	E	μ 0.4	s 6
	P	z	0.5	5
	P	z'	0.2	1.5
	PP	E	0.7	5
	PP	N	0.4	5
	PP	z	0.7	5
	(PP)	z'	0.2	1.5
	M	E	1.9	10
	M	N	1.6	10
	M	z	1.9	10
$\Delta=4800$ km=43°.				
Sk	iP		04	15 35C
	iPP		04	17 19
$\Delta=5000$ km=45°.				
Afghanistan. Magn.=6.4 (Up), 6.0 (Ki). No clear S. PP is 11 sec earlier on Grenet Z' than on Galitzin at Kiruna.				
» 8	Ki	ePKP	12	48 21
	M	E	μ 1.1	s 24
	M	N	0.6	24
	M	z	1.7	26
Solomon Islands.				
» 8	Up		—	
	M	E	μ 2.4	s 20
	M	N	1.8	20
	M	z	3.5	20
Ki	iPP		14	13 01
	eSP		14	22 38
	M	E	μ 1.3	s 21
	M	N	1.6	25
	M	z	2.0	21
Argentina-Chile border region. Inter- mediate depth (h~150 km).				
» 8	Up	ePKP	21	18 19
		iPKP2	21	18 29
		PKP2	μ 0.1	s 1.2
Ki	e(PKP)		21	17 52
	e		21	18 12
Sk	iPKP		21	18 16
Kermadec Islands.				

1956 June 9	Up	iP	02	36 14
	Ki	eP	02	35 02
		i	02	35 15
	Sk	eP	02	35 42
Alaska.				
» 9	Up	iP	03	17 01
	Ki	iP	03	16 14
Sea of Okhotsk.				
» 9	Up	iPP	10	28 08
		eSKS	10	33 47
		ePS	10	37 42
	PP	E	μ 0.5	s 5
	PP	z	0.9	5
	PP	z'	1.4	3.0
	M	E	17	19
	M	N	10	21
	M	z	20	19
Ki	ePKP		10	27 14
	i		10	27 29
	e		10	28 10
	iPP		10	28 32
	e		10	34 19
	e(Pa)		10	35 41
	ePS		10	38 22
	e		10	45 04
	PP	E	μ 1.0	s 8
	PP	N	0.2	8
	PP	z	1.6	8
	M	E	11	19
	M	N	4.8	19
	M	z	15	19
Sk	ePP		10	28 15
Chile. Intermediate depth (h~150 km). Magn.=6.9 (Up, Ki).				
» 9	Ki	e(P)	13	18 11
» 9	Up	iP	14	05 28
» 9	Up	iP	23	21 31C
		iPP	23	23 06
		i	23	26 52
		iS	23	27 41
		iSS	23	30 16
	P	E	μ 26	s 10
	P	N	5.7	10
	P	z	44	10
	P	z'	2.4	1.3
	PP	E	99	10
	PP	N	21	10
	PP	z	120	10
	PP	z'	6.2	1.5
	S	N	66	15
	S	z	27	8
	M	E	680	18

1956 June 9 (cont.)	M	N	790	18
	M	z	480	14
$\Delta=4550$ km=41°.				
Ki	iP		23	21 45C
	iPP		23	23 24
	iPeS		23	27 31
	iS		23	28 03
	iSS		23	31 09
	P	E	μ 22	s 9
	P	N	11	9
	P	z	42	9
	P	z'	4.0	2.0
	PP	E	44	9
	PP	N	30	9
	PP	z	67	9
	PP	z'	5.7	2.0
	S	E	53	13
	S	N	37	14
	M	E	210	11
	M	N	220	15
	M	z	330	12
$\Delta=4700$ km=42 1/2°.				
Sk	iP		23	21 58C
	iPP		23	23 39
$\Delta=4900$ km=44°.				
Afghanistan. Magn.=7.7 (Up, Ki).				
» 9	Up	iP	23	50 15
	Ki	eP	23	50 28
(Afghanistan).				
» 10	Up	iP	00	01 19
		iPP	00	02 54
	P	z'	μ 0.1	s 1.0
	PP	z'	0.2	1.5
Ki	iP		00	01 33
	iPP		00	03 15
Sk	iP		00	01 47
	iPP		00	03 32
Afghanistan.				
» 10	Up	iP	00	09 59
	Ki	e(P)	00	10 21
» 10	Up	iP	01	09 18
		iPP	01	10 50
		eSS	01	18 18
	P	z'	μ 0.2	s 1.3
	PP	z'	0.2	1.5
	M	E	6.6	17
	M	N	7.8	17
	M	z	9.3	22
Ki	iP		01	09 32
	iPP		01	11 11
	eLgl		01	23 54
	e(Lg2)		01	24 30

1956 June 10 (cont.)			μ	s
	P	Z'	0.1	1.5
	M	E	3.8	13
	M	N	2.0	11
	M	Z	3.2	13
Sk	iP		01	09 45
	iPP		01	11 23
Afghanistan. Magn.=5.9 (Up, Ki).				
» 10	Up	iP	03	34 45
» 10	Up	e(P)	03	40 58
		iPP	03	42 14
		eSS	03	49 53
			μ	s
	M	E	1.3	20
	M	N	1.9	21
	M	Z	1.7	20
Ki	eP		03	41 09
	iPP		03	42 41
	eLg1		03	55 27
	eLg2		03	56 24
			μ	s
	M	E	0.9	12
	M	N	0.6	9
	M	Z	0.5	11
Sk	iP		03	41 14
	iPP		03	42 54
Afghanistan.				
» 10	Ki	eP	04	35 27
Celebes.				
» 10	Up	iPP	06	38 58
	Sk	iP	06	37 53
		iPP	06	39 35
Afghanistan.				
» 10	Ki	iP	10	42 47
		iPP	10	44 24
	Sk	iP	10	43 07
Afghanistan.				
» 10	Ki	eP	12	50 09
» 10	Up		—	
			μ	s
	M	N	0.6	16
Ki	iP		14	09 21
			μ	s
	M	E	1.0	14
	M	N	0.4	12
	M	Z	1.2	15
Iceland.				
» 10	Up	iP	23	51 17
	Ki	iP	23	51 32
		iPP	23	53 16
	Sk	iP	23	51 46
		ePP	23	53 24
Afghanistan.				

1956 June 11	Up	iP	01	16	59
		iS	01	21	35
			μ	s	
	P	Z'	0.1	1.2	
	M	E	0.6	12	
	M	N	1.4	16	
	M	Z	1.5	17	
$\Delta=2950 \text{ km}=26\frac{1}{2}^\circ$.					
Ki	iP		01	18	06
	iPeP		01	20	52
			μ	s	
	P	Z'	0.1	1.2	
	M	E	0.6	15	
	M	N	1.4	15	
	M	Z	2.1	14	
$\Delta=3650 \text{ km}=33^\circ$.					
Sk	iP		01	17	38 C
Near south coast of Crete. Magn.=5.4 (Up, Ki).					
» 11	Up	iP	03	04	54 C
		iPP	03	06	19
		eSS	03	13	47
		i	03	15	15
			μ	s	
	P	Z'	0.1	1.3	
	PP	Z'	0.1	1.5	
	M	E	2.4	18	
	M	N	1.7	16	
	M	Z	3.3	19	
Ki	iP		03	05	07
	ePP		03	06	42
	eLi		03	18	20
	eLg1		03	19	54
	e		03	21	25
			μ	s	
	P	Z'	0.1	1.5	
	M	E	1.3	12	
	M	N	1.4	16	
	M	Z	0.9	9	
Sk	iP		03	05	21
	iPP		03	07	05
Afghanistan. Magn.=5.6 (Up, Ki).					
» 11	Up	iP	08	27	58
		i	08	28	07
		i	08	30	26
			μ	s	
	P	Z'	0.1	1.1	
	M	E	1.9	16	
	M	N	1.5	17	
	M	Z	3.0	21	
Ki	eP		08	28	10
			μ	s	
	P	Z'	0.2	2.0	
	M	E	3.4	19	
	M	N	1.3	15	
	M	Z	4.1	19	
Sk	iP		08	27	37
	i		08	27	40

1956 June 11 (cont.)	i	08	27	49
North Atlantic Ocean. Magn.=5.5 (Up, Ki).				
» 11	Up	eL	10	50
			μ	s
	M	E	1.2	18
	M	N	0.7	16
	M	Z	2.0	19
Northern Chile-Argentina border.				
» 11	Up	i(P)	19	30 54
» 11	Up	iP	20	28 35
		iS	20	32 22
$\Delta=2350 \text{ km}=21^\circ$.				
Ki	eP		20	29 32
Turkey.				
» 11	Up	iP	23	02 18
		i	23	02 21
		iPP	23	03 55
		i	23	13 12
			μ	s
	M	E	0.6	11
	M	N	0.8	17
	M	Z	1.1	13
Ki	iP		23	01 53
	eLi		23	12 36
			μ	s
	M	E	1.2	15
	M	N	1.2	14
	M	Z	1.5	13
Sk	iP		23	02 29
Southern Siberia.				
» 12	Up	iP	03	22 36
		i!	03	22 47
			μ	s
			0.2	1.0
		Z'	0.7	16
Ki	iP		03	22 33
	i!		03	22 43
			μ	s
	M	E	1.1	18
	M	N	1.4	21
	M	Z	1.3	17
Sk	iP		03	22 53
	i!		03	23 04
	e		03	23 17
Assam.				
» 12	Up	ePP	09	13 51
			μ	s
	M	E	1.4	21
	M	N	0.9	21
	M	Z	1.8	21
Ki	e		09	29 14
			μ	s
	M	E	1.3	20
	M	N	0.8	18

1956 June 12 (cont.)	M	Z	3.0	22
Eastern Pacific Ocean.				
» 12	Up	i(P)	13	29 05
Seismic?				
» 12	Sk	e(P)	14	21 26
		e	14	21 59
		i(Sg)	14	22 09
Local?				
» 13	Ki	iP	05	34 48
» 13	Up	iPP	12	25 08
		iSKKS	12	31 34
			μ	s
	PP	Z'	0.1	1.5
	M	E	1.5	23
	M	N	2.3	25
	M	Z	2.8	26
Ki	iP		12	20 48
	iSKKS		12	31 17
	iS		12	31 57
			μ	s
	P	Z'	0.1	1.5
	S	E	0.7	7
	M	E	1.8	17
	M	N	1.6	21
	M	Z	2.4	18
Sk	i(P)		12	21 13
Near coast of Celebes. Intermediate depth (h ~ 200 km). Magn.=5.9 (Up, Ki).				
» 13	Ki	i(PP)	17	29 21
(Near coast of New Guinea).				
» 13	Ki	iP	21	18 28
» 13	Up	iP	23	32 41
» 14	Up	eP	06	22 51
	Ki	iP	06	22 02
		i(P)	06	23 41
	Sk	iP	06	23 52
» 14	Up	iP	12	23 22 C
			μ	s
	P	Z'	0.1	0.7
Sk	iP		12	23 11 C
Kurile Islands.				
» 14	Up	iPKP	17	14 08
		i	17	14 13
			μ	s
	PKP	Z'	0.1	1.0
South Pacific Ocean.				
» 15	Up	iP	00	53 22
	Ki	eP	00	52 52

1956	June 15	Up	iP	04	56	14
»	15	Up	i(P)	08	49	33
»	15	Up	iP	14	04	03
		Ki	iP	14	03	12
		Kurile Islands.				
»	15	Up	iPKP	15	55	00
			ipPKP	15	55	45
			PKP	μ 0.2	s 1.0	
		Ki	ePKP	15	54	47
		South of Tonga Islands. Intermediate depth (h ~ 200 km).				
»	16	Up	iP	00	35	35
»	16	Up	i(P)	00	52	55
»	16	Ki	iP	05	02	11
»	16	Ki	iP	05	45	11
		Sk	iP	05	45	48
»	16	Up	iP	06	31	15
			ipP	06	31	25
			eS	06	41	00
			P	μ 0.2	s 1.5	
			pP	μ 0.4	s 1.5	
			M	μ 2.5	s 19	
			M	μ 2.5	s 23	
			M	μ 3.3	s 13	
		$\Delta = 8550$ km = 77° .				
		Ki	iP	06	30	45
			ipP	06	30	56
			eS	06	40	02
			P	μ 0.1	s 1.3	
			pP	μ 0.5	s 1.5	
			S	μ 0.9	s 9	
			M	μ 2.5	s 21	
			M	μ 1.6	s 17	
			M	μ 4.3	s 19	
		$\Delta = 7950$ km = $71\frac{1}{2}^\circ$.				
		Sk	iP	06	31	15
			ipP	06	31	27
		Ryukyu Islands. h = 45 km (Up, Ki, Sk). Magn. = 5.9 (Up, Ki).				
»	16	Sk	eP	17	57	12
»	16	Up	i(PKP2)	18	32	36
		Ki	ePKP	18	31	56
		Kermadec Islands.				
»	16	Up	ePKP	18	52	00
		Sk	ePKP	18	51	49
		Kermadec Islands.				

1956	June 16	Up	iPKP	19	55	37
			PKP	μ 0.1	s 1.2	
		Ki	iPKP	19	55	25
		South of Tonga Islands.				
»	16	Up	iP	23	46	49
»	17	Up	eP	01	21	45
»	17	Up	iPKP	03	21	00
			i	03	21	07
			ipPKP	03	21	58
			PKP	μ 0.3	s 1.0	
		Sk	iPKP	03	20	54
			i	03	20	56
			iSKP	03	24	14
		Kermadec Islands. Intermediate depth (h ~ 200 km).				
»	17	Ki	e(P)	06	46	40
»	17	Ki	iP	13	27	47
»	17	Ki	e(P)	13	34	14
»	17	Sk	iP	13	57	59
»	17	Sk	i(P)	14	04	26
»	18	Up	iP	04	41	31
»	18	Up	eP	04	47	35
»	18	Up	eP	07	36	06
»	18	Up	iPn	22	49	24
			iSn	22	50	51
			i	22	51	18
			iSg	22	51	52
		$\Delta = 900$ km = 8.1° .				
		Ki	iPn	22	48	24
			iSn	22	49	06
			iSg	22	49	24
			Sg	μ 0.3	s 0.5	
		$\Delta = 400$ km = 3.6° .				
		Sk	iPg	22	48	33
			iSg	22	49	24
		$\Delta = 400$ km = 3.6° .				
		Off the central coast of Norway, 67.4° N, 10.9° E. Origin time = 22 47 25. Felt.				
»	18	Up	iP	23	21	02C
			i	23	21	08
»	19	Up	iP	00	32	13
			M	μ 1.4	s 21	

1956	June 19	M	N	1.4	22	
(cont.)		Ki	M	1.8	21	
			iP	00	32	12
			M	μ 1.7	s 19	
			M	μ 1.1	s 19	
			M	μ 1.8	s 20	
		Sk	iP	00	32	27
		Sumatra.				
»	19	Up	iP	01	15	04
			i	01	15	15
			P	μ 0.1	s 1.0	
		Ki	iP	01	14	12
			P	μ 0.1	s 1.0	
		Sk	eP	01	14	36
»	19	Ki	iP	04	57	31
			eT	05	03	01
			i	05	03	20
			M	μ 1.9	s 20	
			M	μ 0.8	s 19	
			M	μ 2.7	s 19	
		$\Delta \sim 880$ km $\sim 7.9^\circ$.				
		Sk	iP	04	57	44
			i!	04	58	54
			iSg	05	00	40
		$\Delta \sim 1050$ km $\sim 9.5^\circ$.				
		Epicentre between Jan Mayen and Spitsbergen, near $72\frac{1}{2}^\circ$ N, 2° E.				
»	19	Up	iP	05	45	39
»	19	Sk	iP	21	47	49
»	20	Up	iP	02	12	37
»	20	Up	i(P)	05	55	49
			i(Sg)	05	56	59
		Local?				
»	20	Up	iP	10	47	45
		Ki	iP	10	48	13C
			P	μ 0.1	s 1.2	
		Sk	iP	10	48	18
			i	10	48	32
			i	10	52	16
		Southern Iran.				
»	20	Ki	eP	20	42	19
»	21	Ki	eP	00	20	31
»	21	Up	iPKP	10	46	02
			PKP	μ 0.2	s 1.0	
		Ki	iPKP	10	45	44

1956	June 21	Sk	iPKP	10	45	54
(cont.)		South of Fiji Islands.				
»	21	Up	iP	12	12	36
»	21	Up		—	μ 0.5	s 20
			M	μ 1.1	s 20	
			M	μ 0.7	s 20	
		Ki	iP	19	53	52
			eS	20	05	16
			S	μ 0.2	s 10	
			M	μ 0.9	s 19	
			M	μ 0.6	s 19	
			M	μ 1.4	s 19	
		$\Delta = 10950$ km = $98\frac{1}{2}^\circ$.				
		Celebes. Magn. = 5.7 (Up, Ki).				
»	21	Up	iP	20	45	45
		Ki	iSKS	20	56	26
			SKS	μ 0.3	s 7	
			M	μ 1.0	s 19	
			M	μ 0.6	s 19	
			M	μ 1.8	s 20	
		Soembawa.				
»	22	Up	e(P)	01	47	39
			i	01	48	06
»	22	Ki	e(P)	20	47	49
			i(Sg)	20	48	44
		Sk	e	20	51	38
		Local?				
»	23	Up	iP	01	09	34
»	23	Up	iP	02	28	17C
			i	02	31	51
			ePa	02	32	12
			iS	02	36	33
			e(S)	02	36	42
			eSS	02	40	43
			eP'P'	02	57	24
			P	μ 4.7	s 10	
			P	μ 8.2	s 9	
			P	μ 1.6	s 1.5	
			S	μ 6.4	s 10	
			S	μ 5.0	s 15	
			M	μ 29	s 21	
			M	μ 24	s 22	
			M	μ 21	s 17	
		$\Delta = 6800$ km = 61° .				
		Ki	iP	02	27	23C
			i	02	27	32
			iS	02	34	49
			i(S)	02	34	59
			eSeS	02	37	15

1956 June 23 (cont.)	i		02	38	53
	P	N	μ	s	
	P	Z	2.3	10	
	P	Z'	6.5	10	
	S	E	1.1	1.3	
	S	N	9.2	9	
	S	Z	4.0	11	
	M	E	4.0	9	
	M	N	34	19	
	M	Z	32	18	
	M	Z	34	18	
	$\Delta = 5900 \text{ km} = 53^\circ$.				
Sk	iP		02	28	00C
	i		02	28	06
	e(PS)		02	36	14
	i		02	57	27
	i(P'P')		02	57	44
	Near east coast of Kamchatka. Magn.=6.8 (Up, Ki). P and S are multiple. Velocity of Pa (Up)=8.00 km/sec.				
» 23	Ki	iP	15	06	58
	Sk	iP	15	07	48
» 23	Ki	iP	18	12	29
	South of Panama.				
» 24	Up	eL	00	30	
			μ	s	
	M	N	0.9	21	
	M	Z	1.1	21	
	Loyalty Islands region.				
» 24	Ki	e(P)	10	51	23
		e(S)	10	52	34
	Local?				
» 24	Up	iP	17	26	54
			μ	s	
	Sk	P	0.1	1.3	
	Sk	iP	17	26	47C
» 24	Up	iPKP	21	17	26
			μ	s	
	M	E	0.9	18	
	M	N	1.3	20	
	M	Z	1.5	17	
Ki	ePKP		21	17	14
			μ	s	
	M	E	1.6	18	
	M	N	1.0	18	
	M	Z	2.7	20	
	Solomon Islands.				
» 24	Up	eP	22	56	40
» 25	Up	e(P)	03	19	29
» 25	Up	iPP	03	23	32
	South of Tonga Islands.				

1956 June 25	Up	iP	10	55	48
			μ	s	
	M	E	0.7	19	
	M	N	0.5	11	
	Ki		—		
			μ	s	
	M	E	1.0	14	
Sk	iP		10	56	31
	Ionian Islands.				
» 25	Up	iP	12	59	39
		ePP	13	01	11
			μ	s	
	PP	Z'	0.3	1.8	
	M	E	0.6	11	
	M	N	1.1	11	
	M	Z	0.7	11	
Ki	iP		13	00	05
			μ	s	
	M	E	1.2	19	
	M	N	1.4	18	
	M	Z	1.7	15	
Sk	eP		13	00	09
	ePP		13	01	56
	Eastern Iran.				
» 25	Ki	eP	18	10	43
» 25	Up	iP	20	18	12
	Ki	iP	20	19	05
	Sk	iP	20	18	48C
	(Arabia-Red Sea).				
» 25	Up	iP	22	44	52
	Sk	eP	22	45	35
» 26	Up	iPKP	00	19	25
	Ki	iPKP	00	19	12
	Sk	iPKP	00	19	22
	New Hebrides Islands.				
» 26	Ki	e(P)	01	04	02
	Sk	eP	01	04	04
» 26	Ki	eP	01	56	44
	Algeria-Tunis border region.				
» 26	Up	iP	06	32	21
			μ	s	
	P	Z'	0.1	1.0	
Ki	eP		06	33	37
			μ	s	
	M	E	0.4	14	
	M	N	0.2	12	
	M	Z	0.3	10	
Sk	iP		06	33	05
	Greece.				
» 27	Up	iP	19	09	25D
			μ	s	
	P	Z'	0.2	1.2	

1956 June 27 (cont.)	M	E	0.8	13	
	M	N	0.8	15	
	M	Z	1.2	14	
Ki	iP		19	09	02
			μ	s	
	P	Z'	0.1	1.5	
	M	E	1.0	13	
	M	N	0.5	12	
	M	Z	1.3	13	
Sk	iP		19	09	30
	Formosa.				
» 27	Up	iP	23	34	48
			μ	s	
	M	E	1.0	15	
	M	N	0.5	15	
Ki	eP		23	35	53
Sk	eP		23	35	25
	Aegean Sea.				
» 28	Ki	eL	04	55	
			μ	s	
	M	E	0.4	21	
	M	N	0.8	21	
	M	Z	1.4	21	
	Fiji Islands.				
» 28	Sk	iP	05	43	18C
» 28	Sk	eP	08	39	49
» 28	Up		—		
			μ	s	
	M	E	2.3	12	
	M	N	1.4	10	
	M	Z	2.0	10	
Ki	iP		17	47	48C
	eS		17	52	09
	ePcS		17	55	11
			μ	s	
	P	Z'	0.1	1.5	
	M	E	1.6	11	
	M	N	0.7	11	
	M	Z	1.2	11	
	$\Delta = 2650 \text{ km} = 24^\circ$.				
Sk	eP		17	47	05
	Yugoslavia. No clear P at Uppsala (shadow-zone effect!).				
» 28	Up	iP	22	39	40
	Ki	iP	22	38	49
	Kurile Islands.				
» 28	Up	iP	23	09	52
	i		23	09	59
	iS		23	18	56
			μ	s	
	P	N	0.4	4	
	P	Z	0.7	4	
	P	Z'	0.5	1.5	

1956 June 28 (cont.)	S	E	0.8	8	
	S	N	4.0	10	
	M	E	5.6	18	
	M	N	8.8	22	
	M	Z	12	18	
	$\Delta = 7650 \text{ km} = 69^\circ$.				
Ki	iP		23	09	07
	i		23	09	12
	iPa		23	12	59
	iS		23	17	31
			μ	s	
	P	N	0.5	6	
	P	Z	0.7	5	
	P	Z'	0.2	1.7	
	S	N	2.3	10	
	S	Z	1.7	10	
	M	E	10	16	
	M	N	8.6	17	
	M	Z	28	22	
	$\Delta = 6900 \text{ km} = 62^\circ$.				
Sk	iP		23	09	24
	i		23	09	30
	Off coast of Vancouver Island. Magn.=6.3 (Up, Ki). P is multiple. Velocity of Pa (Ki)=8.11 km/sec.				
» 28	Sk	iP	23	27	33
	Off coast of Vancouver Island.				
» 29	Up	iP	02	26	19
	i		02	26	32
			μ	s	
	P	Z'	0.1	1.0	
Ki	iP		02	26	51C
			μ	s	
	P	Z'	0.1	1.0	
Sk	iP		02	26	51
	i		02	27	05
	Iran.				
» 29	Up	iP	02	33	44C
			μ	s	
	P	Z'	0.2	1.0	
	M	E	9.5	19	
	M	N	4.7	21	
	M	Z	11	18	
Ki	iP		02	33	19C
	iPP		02	35	53
	eS		02	42	34
			μ	s	
	P	Z'	0.2	1.0	
	PP	Z'	0.1	1.5	
	S	E	0.5	12	
	S	N	0.2	11	
	M	E	2.8	16	
	M	N	2.1	16	
	M	Z	4.2	16	
	$\Delta \sim 7900 \text{ km} \sim 71^\circ$.				
Sk	iP		02	33	47
	Off north coast of Formosa. Magn.=6.2 (Up, Ki).				

1956	June 29	Up	iP	02	39	55
		Ki	iP	02	39	31
» 29	Up	iP		04	21	17
		P	z'	μ	s	
		Ki	iP	04	20	38 D
		P	z'	0.1	1.5	
		M	E	0.5	16	
		M	N	0.4	14	
	Sk	iP		04	21	11
			Honshu, Japan.			
» 29	Up	iP		08	40	21
» 29	Up	iP		17	56	04
		P	z'	μ	s	
		M	E	0.6	16	
		M	N	1.1	23	
	Ki	iP		17	55	45
		i		17	56	03
		eSKS		18	05	52
		P	z'	μ	s	
		M	E	0.8	17	
		M	N	0.6	20	
		M	Z	1.1	17	
	Sk	iP		17	56	09
			Near southwest coast of Luzon.			
» 30	Up	iP		01	54	24
		i		01	54	29
		i(PP)		01	54	33
		iS		01	57	29
		i(SS)		01	57	44
		iLg2		01	59	32
		P	N	μ	s	
		P	Z	0.3	2	
		P	z'	0.1	1.0	
		(PP)	z'	0.6	1.0	
		S	z'	0.2	1.2	
		M	E	3.1	10	
		M	N	2.8	10	
		M	Z	2.5	10	
		$\Delta=1900$ km= 17° .				
	Ki	iP		01	55	45
		i		01	55	49
		eS		01	55	57
		e		02	00	12
		i!		02	00	37
		eLi		02	01	42
		iLg1		02	02	43
				02	03	14
		P	z'	μ	s	
		S	N	0.2	1.0	
		M	E	0.8	12	
		M	N	5.4	7	
		M	N	1.5	9	

1956	June 30	M	Z	2.7	11	
(cont.)		$\Delta=2800$ km= 25° .				
	Sk	eP		01	55	18
		i		01	55	22
		i(S)		01	59	24
		iLg1		02	01	58
		$\Delta=2500$ km= $22\frac{1}{2}^\circ$.				
		Black Sea, near coast of Rumania.				
		Magn.=5.4 (Up, Ki).				
		P is multiple.				
» 30	Up	iP		03	15	44
	Ki	iP		03	15	51
		eLg1		03	29	03
		iRg		03	32	36
		Tadzhik, USSR.				
» 30	Up	iP		11	44	02 C
		P	z'	μ	s	
		M	N	0.1	1.0	
		M	Z	0.6	18	
		M	Z	1.0	14	
	Ki	iP		11	44	30 C
		i(PP)		11	45	46
		P	E	μ	s	
		M	N	0.6	13	
		M	N	0.9	13	
		M	Z	1.0	16	
	Sk	eP		11	44	34
		i(PP)		11	45	52
		Iran.				
July 2	Up	iP		01	09	47
» 2	Up	iP		07	32	57
	Ki	iP		07	32	04
» 2	Ki	iP		14	16	03
		M	E	μ	s	
		M	N	0.5	16	
		M	Z	0.4	16	
		M	Z	0.8	16	
	Sk	iP		14	17	33
		i		14	18	16
» 2	Up	eP		14	37	00
» 2	Ki	iP		14	40	34
		Flores Sea.				
» 2	Up	eP		16	11	07
» 2	Up	ePKP		17	43	43
	Sk	iPKP		17	43	38
		Kermadec Islands region.				
» 3	Ki	eP		00	43	57
		Colombia-Venezuela border.				
» 3	Up	eL		00	48	
		M	N	μ	s	
		M	N	0.6	18	

1956	July 3	M	Z	0.8	22	
(cont.)		Ki	eL	00	50	
		M	E	μ	s	
		M	N	0.9	19	
		M	N	0.7	20	
		M	Z	1.5	20	
		South Atlantic Ocean.				
» 3	Up	iP		10	27	26 C
	Ki	iP		10	27	25
	Sk	iP		10	27	45
		Nepal.				
» 3	Up	eSKS		16	10	09
		M	E	μ	s	
		M	N	0.5	18	
		M	N	0.6	22	
		M	Z	0.6	17	
	Ki	eP		15	59	17
		iSKS		16	09	45
		P	Z	μ	s	
		SKS	E	0.3	7	
		SKS	N	0.5	14	
		SKS	N	0.2	14	
		M	E	1.4	19	
		M	N	0.9	21	
		M	Z	2.4	20	
		$\Delta=9450$ km= 85° .				
	Sk	iP		15	59	08
		Near coast of Guatemala.				
		Magn.=5.8 (Ki).				
» 3	Up	iP		23	33	39 C
		ipP		23	34	27
		e		23	35	45
		isPP		23	36	23
		iS		23	39	36
		eSS		23	42	40
		P	E	μ	s	
		P	N	0.4	1.0	
		P	Z	0.1	2	
		P	Z	1.0	1.0	
		P	z'	1.1	1.3	
		S	E	0.3	4	
		$\Delta=4650$ km= 42° .				
	Ki	iP		23	33	48 C
		i		23	33	57
		ipP		23	34	36
		isP		23	34	59
		iPP		23	35	35
		i(Pa)		23	36	33
		iS		23	39	52
		eSS		23	43	02
		i		23	43	48
		i		23	48	44
		P	z'	μ	s	
		PP	z'	0.6	1.0	
		S	E	0.2	1.4	
		S	N	0.7	5	
		S	N	0.3	8	
		$\Delta=4900$ km= 44° .				

1956	July 3	Sk	iP	23	34	05 C
(cont.)			ipP	23	34	52
			iPP	23	35	57
			$\Delta=5200$ km= 47° .			
			Hindu Kush.			
			h=235 km (Up, Ki, Sk).			
			Magn.=6.2 (Up, Ki).			
» 4	Up	iPKP		00	58	17
		iSKP		01	01	22
		i		01	01	31
			μ	s		
			0.2	1.5		
	Ki	SKP	z'	00	58	05
		iPKP		00	58	13
		iSKP		01	00	54
		iPKS		01	01	35
			μ	s		
			0.1	0.5		
		PKP	z'	0.1	0.5	
		SKP	Z	0.8	4	
		SKP	z'	0.3	1.5	
	Sk	iPKP		00	58	14
		iSKP		01	01	13
		Fiji Islands.				
		Deep (h ~ 450 km).				
» 4	Up	iPKP		03	23	03
		M	E	μ	s	
		M	N	1.1	20	
		M	N	0.9	20	
		M	Z	1.4	20	
	Ki	iPKP		03	22	51
			μ	s		
			1.8	22		
		M	N	1.0	20	
		M	Z	2.4	21	
	Sk	iPKP		03	23	02
		iPP		03	24	17
		Solomon Islands.				
» 4	Up	iPKP		04	01	38
			μ	s		
			1.1	20		
		M	N	0.8	17	
		M	Z	0.7	19	
	Ki	iPKP		04	01	26
			μ	s		
			1.9	21		
		M	N	1.4	21	
		M	Z	3.4	21	
	Sk	iPKP		04	01	37 D
		iPP		04	02	49
		Solomon Islands.				
» 4	Ki	iP		07	02	38
» 4	Up	ePKP		07	37	58
	Ki	iPKP		07	37	46
			μ	s		
			0.3	18		
		M	N	0.3	19	

1956 July 4 (cont.)	M	z	0.6	20	
Solomon Islands.					
» 4	Ki	ePKP	11	27	16
Chile.					
» 4	Up	iPKP	16	29	28
Tonga Islands region. Deep (h ~ 450 km).					
» 5	Up	iP	05	59	38
	Sk	eP	05	59	26
» 5	Up	eP	06	04	51
	Ki	iP	06	03	56
Near east coast of Kamchatka.					
» 5	Ki	eP	08	26	51
			μ	s	
		M	0.5	18	
		M	0.2	12	
		M	0.4	17	
	Sk	iP	08	27	11
Off west coast of Hokkaido, Japan.					
» 5	Sk	iP	09	18	13
» 5	Up	iP	13	10	51
	Ki	iP	13	09	53
	Sk	eP	13	10	16
Alaska.					
» 5	Ki	i(P)	15	30	19
» 5	Ki	iP	22	26	12
» 6	Up	eP	02	33	34
	Ki	iP	02	32	59
	Sk	iP	02	33	11
Off coast of Oregon.					
» 6	Ki	i(P)	16	00	24
		i(Sg)	16	00	46
			μ	s	
		(Sg)	0.1	0.8	
Local?					
» 7	Up	iP	00	25	09
» 7	Up	iP	10	37	12
		i	10	37	19
		i(PP)	10	38	30
			μ	s	
		P	0.1	1.0	
	Ki	iP	10	37	40
		iPP	10	38	56
			μ	s	
		P	0.1	1.0	
		M	2.3	16	
		M	2.7	17	
		M	1.1	16	

1956 July 7 (cont.)	Sk	iP	10	37	46 D
Iran.					
		iPP	10	39	07
» 7	Ki	iP	18	59	31
		iSg	18	59	41
	Sk	i(Sg)	19	01	56
Local.					
» 7	Ki	iP	21	11	18
		i	21	12	07
		i	21	12	50
		e(S)	21	20	24
		e	21	20	50
			μ	s	
		M	1.0	17	
		M	0.3	18	
		M	1.3	17	
» 7	Up	eP	22	24	22
» 8	Ki	eP	04	46	05
Halmahera region.					
» 8	Ki	iP	06	15	20
Molucca Passage.					
» 8	Up	eP	08	35	21
	Sk	eP	08	36	12
Adriatic Sea.					
» 8	Ki	eP	10	46	11
	Sk	iP	10	45	36 C
Yugoslavia.					
» 8	Up	iP	13	10	02
			μ	s	
		M	0.9	14	
		M	0.8	13	
		M	0.8	9	
	Ki	eP	13	11	15
			μ	s	
		M	1.0	14	
		M	0.6	10	
		M	1.1	11	
	Sk	iP	13	10	42 D
Aegean Sea.					
» 8	Sk	iP	15	45	27
Yugoslavia.					
» 8	Up	iSg	23	17	54
	Sk	eSg	23	19	14
Västergötland, Sweden. Origin time=23 16 12.					
Felt.					
» 9	Up	iP	03	16	53 C
		i	03	17	04
		i	03	19	02
		iS	03	21	12

1956 July 9 (cont.)	i		03	25	05
			μ	s	
	P	E	40	14	
	P	N	130	14	
	P	Z'	14	2.0	
	S	E	350	12	
	S	N	550	12	
	M	E	620	12	
$\Delta = 2650 \text{ km} = 24^\circ$.					
Ki	iP		03	18	01 C
	i		03	18	12
	iPP		03	19	05
	iS		03	23	28
			μ	s	
	P	E	6.9	10	
	P	N	32	10	
	P	Z'	53	10	
	P	Z'	7.5	2.0	
	PP	Z	93	15	
	S	N	57	16	
	M	E	340	12	
	M	N	230	12	
	M	Z	340	12	
Sk	iP		03	17	32
Aegean Sea.					
Magn.=7.7 (Up, Ki).					
» 9	Up	iP	03	29	18
			μ	s	
	P	Z'	10	2.0	
Ki	iP		03	30	26
			μ	s	
	P	Z'	3.8	2.0	
Aegean Sea.					
Magn.=7.2 (Up, Ki).					
» 9	Up	eP	03	46	12
	Ki	iP	03	47	16
	Sk	iP	03	46	37
» 9	Up	eP	04	00	15
	Ki	eP	04	01	23
» 9	Ki	iP	04	07	13
	Sk	iP	04	06	45
(Aegean Sea).					
» 9	Up	iP	04	20	25
	Ki	eP	04	21	20
		i	04	21	34
Aegean Sea.					
» 9	Up	iP	04	38	35
	Ki	iP	04	39	44
	Sk	iP	04	39	17
Aegean Sea.					
» 9	Up	iP	04	49	52
» 9	Ki	eP	05	20	29
	Sk	iP	05	20	07
Aegean Sea.					

1956 July 9	Sk	iP	06	12	03
» 9	Up	iP	06	24	19
		i	06	24	32
		eS	06	28	39
			μ	s	
		P	0.4	1.6	
	Ki	iP	06	25	29
			μ	s	
		P	0.1	1.0	
	Sk	iP	06	25	01
Aegean Sea.					
Magn.=5.7 (Up, Ki).					
» 9	Up	iP	06	28	00
		eS	06	32	17
			μ	s	
		P	0.2	1.5	
		S	1.8	7	
		M	2.6	10	
		M	4.2	15	
		M	2.6	11	
$\Delta = 2650 \text{ km} = 24^\circ$.					
Ki	iP		06	29	09
			μ	s	
		P	0.1	1.0	
		M	5.1	15	
		M	1.6	13	
		M	2.7	11	
Sk	iP		06	28	40
Aegean Sea.					
Magn.=5.6 (Up, Ki).					
» 9	Up	iP	07	02	42
» 9	Up	iP	07	41	43
			μ	s	
		P	0.1	1.5	
	Ki		—		
			μ	s	
		M	0.8	14	
		M	0.7	12	
		M	0.8	11	
Sk	eP		07	42	22
Aegean Sea.					
» 9	Up	iP	08	10	40
» 9	Sk	iP	08	14	58
» 9	Up	iP	09	50	25
		eS	09	54	38
			μ	s	
		P	0.1	1.5	
		S	0.5	7	
		M	0.6	10	
		M	0.7	11	
		M	0.7	11	
Ki			—		
			μ	s	
		M	1.8	16	

1956 July 9 (cont.)	M	N	0.4	11	
	M	Z	0.5	11	
Sk	iP		09	51	01
Aegean Sea. Magn.=5.2 (Up).					
» 9 Up	iP		10	07	41 D
	iPP		10	10	21
	iS		10	17	07
	i!		10	17	26
	e		10	18	04
		μ		s	
	P	E	0.8	3	
	P	N	0.4	3	
	P	Z	2.8	3	
	P	Z'	1.6	1.5	
	PP	Z	0.7	3	
	PP	Z'	1.0	2.3	
	S	N	1.2	7	
	M	E	5.3	20	
	M	N	5.6	20	
	M	Z	8.5	21	
		$\Delta \sim 8000 \text{ km} \sim 72^\circ$.			
Ki	iP		10	07	40 D
	iS		10	17	05
	e		10	17	19
	i!		10	17	26
		μ		s	
	P	E	1.5	5	
	P	N	0.4	5	
	P	Z	2.9	5	
	S	N	1.4	8	
	M	E	15	25	
	M	N	8.3	24	
	M	Z	12	23	
		$\Delta \sim 8000 \text{ km} \sim 72^\circ$.			
Sk	iP		10	07	23
	iPP		10	09	58
	ePKKP		10	35	19
		$\Delta = 7650 \text{ km} = 69^\circ$.			
		Near coast of Haiti.			
		Magn.=6.9 (Up, Ki).			
» 9 Up	eP		10	24	56
Sk	eP		10	25	33
(Aegean Sea).					
» 9 Up	iP		11	36	06
Sk	iP		11	36	49
Aegean Sea.					
» 9 Up	iP		13	25	28
» 9 Up	eP		14	32	22
» 9 Up	e(Sg)		15	23	18
Sk	e(Sg)		15	25	01
Local?					
» 9 Sk	i(P)		16	12	35

1956 July 9	Up	iPn	17	53	15
		iSg	17	53	58
		$\Delta = 290 \text{ km} = 2.6^\circ$.			
Ki	e		17	56	21
	iSg		17	56	54
	$\Delta = 890 \text{ km} = 8.0^\circ$.				
Sk	eSn		17	55	23
	iSg		17	55	59
	$\Delta = 710 \text{ km} = 6.4^\circ$.				
Southwest of Finland, 59.8°N, 22.8°E.					
Origin time=17 52 31.					
» 9 Up	iP		20	15	39
Ki	iP		20	16	47
Sk	iP		20	16	20
Aegean Sea.					
» 9 Up	iP		20	19	08
	eS		20	23	19
	i		20	23	30
		μ		s	
	P	Z'	0.1	1.4	
	S	E	0.7	8	
	S	N	0.5	7	
	M	E	3.1	12	
	M	N	1.7	14	
	M	Z	1.8	12	
	$\Delta = 2600 \text{ km} = 23 \frac{1}{2}^\circ$.				
Ki	iP		20	20	16
		μ		s	
	P	Z'	0.1	1.0	
	M	E	5.9	14	
	M	N	0.9	13	
	M	Z	1.3	13	
Sk	iP		20	19	48
Aegean Sea.					
Magn.=5.4 (Up, Ki).					
» 9 Ki	eP		20	48	02
Off coast of southern Sumatra.					
» 9 Up	iP		20	53	21
		μ		s	
	M	E	1.1	12	
	M	N	0.7	13	
Ki	iP		20	54	25
		μ		s	
	M	E	2.1	14	
	M	N	0.4	11	
	M	Z	0.5	11	
Sk	iP		20	53	58
Aegean Sea.					
» 9 Up	iP		21	33	57
	eS		21	38	13
		μ		s	
	P	Z'	0.1	1.4	
	S	E	0.5	7	
	S	N	0.4	7	
	M	E	0.6	11	
	M	N	1.0	11	

1956 July 9 (cont.)	M	Z	0.8	9	
	$\Delta = 2650 \text{ km} = 24^\circ$.				
Ki	iP		21	35	04
		μ		s	
	M	E	1.4	15	
	M	N	0.5	14	
	M	Z	0.7	12	
Sk	iP		21	34	36
Aegean Sea.					
Magn.=5.2 (Up).					
» 9 Up	iP		23	02	15
Ki	iP		23	01	21
Sk	iP		23	01	48
» 10 Up	iP		00	33	49
Aegean Sea.					
» 10 Up	iP		02	04	53
	iS		02	09	15
		μ		s	
	S	N	0.5	6	
	M	E	0.5	14	
	M	N	1.0	11	
	M	Z	1.3	11	
Ki	iP		02	06	02
		μ		s	
	P	Z'	0.1	1.0	
	M	E	0.6	13	
	M	N	0.5	12	
	M	Z	0.6	12	
Sk	iP		02	05	35
Aegean Sea.					
» 10 Up	iP		03	06	39 C
	iS		03	10	53
		μ		s	
	P	E	0.3	5	
	P	N	0.8	6	
	P	Z	0.9	5	
	P	Z'	0.4	1.7	
	S	E	1.1	7	
	S	N	1.6	7	
	M	E	2.8	11	
	M	N	8.4	11	
	M	Z	8.8	10	
	$\Delta = 2600 \text{ km} = 23 \frac{1}{2}^\circ$.				
Ki	iP		03	07	48 C
	eS		03	12	59
		μ		s	
	P	Z'	0.1	1.1	
	S	N	0.7	12	
	M	E	5.9	14	
	M	N	2.5	10	
	M	Z	3.8	10	
	$\Delta = 3500 \text{ km} = 31 \frac{1}{2}^\circ$.				
Sk	iP		03	07	19
Aegean Sea.					
Magn.=5.7 (Up, Ki).					
» 10 Up	iP		09	36	05
Ki	iP		09	35	40

1956 July 10 (cont.)	M	E	μ	s	
	M	N	0.3	14	
	M	Z	0.2	14	
			0.3	15	
» 10 Up	iP		13	39	51
Ki	iP		13	40	29
» 10 Ki	e(PKP)		15	37	53
» 10 Up	iPn		17	14	20
	iSg		17	15	03
Ki	iSg		17	17	59
Sk	eSn		17	16	27
	iSg		17	17	05
Aftershock of earthquake SW of Finland on July 9, 1956, at 17 52 31. Epicentre at 59.8°N, 22.8°E. Origin time=17 13 36.					
» 10 Up	i(P)		20	19	14
» 10 Up	iP		22	16	03
	i		22	17	37
Ki	iP		22	16	11
Sk	iP		22	16	28
Hindu Kush (h ~ 100 km).					
» 11 Up	i(P)		05	30	55
» 11 Up	eP		19	00	39
Ki	eP		19	00	59
		μ		s	
	M	E	0.7	19	
	M	N	0.4	19	
Sk	eP		19	01	07
Indian Ocean.					
» 12 Ki	eP		00	28	35
Indian Ocean.					
» 12 Up	iP		02	58	13
Aleutian Islands.					
» 12 Ki	iP		06	24	08
		μ		s	
	M	E	0.6	15	
	M	N	0.2	14	
Aegean Sea.					
» 12 Up	iP		15	11	52
	i		15	13	39
	iPP		15	14	15
	e(Pa)		15	15	50
	iS		15	20	22
	iScS		15	21	40
		μ		s	
	P	E	0.2	2	
	P	Z	0.8	2	
	P	Z'	0.6	1.0	
	S	E	0.3	4	
	S	N	0.2	4	

1956 July 12 (cont.)	M	E	1.7	25	
	M	N	1.1	15	
	M	Z	2.2	25	
	$\Delta = 7050 \text{ km} = 63\frac{1}{2}^\circ$.				
Ki	iP		15	11	47
	iS		15	20	13
			μ	s	
	P	E	0.4	5	
	P	Z	0.4	5	
	P	Z'	0.6	1.2	
	S	E	0.8	10	
	S	N	0.5	10	
	M	E	1.7	15	
	M	N	1.0	13	
	M	Z	2.4	15	
	$\Delta = 7000 \text{ km} = 63^\circ$.				
Sk	iP		15	12	08
	iPcP		15	12	33
	Burma.				
	Magn. = 6.3 (Up, Ki).				
» 12 Up					
			μ	s	
	M	E	1.4	21	
	M	N	2.0	20	
	M	Z	3.1	20	
Ki	e		17	21	58
	e		17	30	50
			μ	s	
	M	E	2.3	22	
	M	N	0.8	19	
	M	Z	3.8	23	
	South Pacific Ocean.				
» 13 Up	e(PP)		13	55	06
	Northern Chile.				
» 13 Up	iP		14	16	43
Ki	iP		14	16	24
Sk	iP		14	16	49
» 13 Ki	iP		16	58	30
» 14 Up	iP		00	22	18
	iPP		00	23	57
			μ	s	
	PP	Z'	0.1	1.2	
Ki	iP		00	22	27
	i		00	22	59
	iPP		00	24	05
Sk	eP		00	22	43
	iPP		00	24	35
	Hindu Kush.				
» 14 Ki	eP		00	47	45
» 14 Ki	iP		03	40	42
Sk	iP		03	41	12
	Ryukyu Islands.				
» 14 Sk	eP		03	51	12
	Mexico.				

1956 July 14	Up	eP	12	35	57
	Ki	eP	12	36	40
	Sk	eP	12	36	38
» 14 Up	eP		12	41	14
	Ki	iP	12	42	22
	Sk	eP	12	42	41
		i	12	43	32
		i	12	47	52
» 14 Sk	iP		12	52	33
» 14 Ki	iP		13	46	40
» 14 Up	iP		15	47	53
» 14 Up	iP		19	05	49
	iS		19	09	31
	e		19	11	32
			μ	s	
	M	E	1.0	16	
	M	N	1.0	18	
	M	Z	1.4	16	
Ki	eP		19	06	57
	e		19	12	07
			μ	s	
	M	E	1.3	12	
	M	N	0.5	13	
	M	Z	0.7	13	
Sk	iP		19	06	34
	i		19	11	27
	Turkey.				
» 14 Up	iP		22	17	51
			μ	s	
	P	Z'	0.1	1.0	
Ki	iP		22	17	31
Sk	iP		22	17	56
	Off north coast of Luzon, Philippine Islands.				
» 15 Up	iP		13	03	40
	iS		13	13	01
			μ	s	
	P	Z'	0.1	0.9	
	S	E	0.5	3	
	S	N	0.7	3	
Ki	e		13	11	25
	iS		13	12	00
			μ	s	
	S	E	0.3	8	
	S	N	0.7	8	
Sk	iP		13	03	38
	eS		13	12	58
	Bonin Islands region.				
	Deep (h ~ 500 km).				
» 15 Up	iP		18	50	28
			μ	s	
	P	Z'	0.1	1.5	
Sk	iP		18	50	21
	Off coast of northern Honshu, Japan.				

1956 July 16	Up	iP	00	27	19
» 16 Up	iP		05	25	32
	Ki	iP	05	26	07
		eScS	05	36	14
			μ	s	
	M	E	0.2	15	
	M	N	0.4	15	
	M	Z	0.3	15	
	Iran.				
» 16 Up	iP		09	34	55
	Ki	iP	09	34	00
	Near east coast of Kamchatka.				
» 16 Up	iP		13	43	14
	i		13	44	05
» 16 Up	iP		15	17	45
	i		15	17	48
	i		15	17	54
	i		15	19	39
	iPP		15	20	07
	iPa		15	21	53
	iS		15	26	24
	iScS		15	27	45
	iSa		15	33	45
			μ	s	
	P	E	0.6	3	
	P	Z	1.7	3	
	P	Z'	0.6	1.1	
	PP	Z'	0.3	1.2	
	S	E	12	22	
	S	N	9.0	20	
	M	E	62	15	
	M	N	200	22	
	M	Z	110	15	
	$\Delta = 7150 \text{ km} = 64\frac{1}{2}^\circ$.				
Ki	iP		15	17	39C
	i		15	17	45
	i		15	18	54
	iPa		15	21	41
	iS		15	26	18
	ePS		15	26	36
	iScS		15	27	37
	iSa		15	33	36
			μ	s	
	P	E	2.0	7	
	P	N	0.3	7	
	P	Z	3.3	7	
	P	Z'	2.5	2.5	
	S	E	23	20	
	S	N	12	20	
	M	E	120	14	
	M	N	160	18	
	M	Z	150	14	
	$\Delta = 7100 \text{ km} = 64^\circ$.				
	Burma. Magn. = 6.9 (Up, Ki).				
	P is multiple at both stations. Pa is extremely clear on Grenet Z' at Kiruna.				
1956 July 16	Up	iP	18	04	54
» 16 Up	iP		20	51	00
	Ki	iP	20	50	53C
	Burma.				
» 16 Up	iP		21	45	04
	i!		21	45	19
	eS		21	54	07
	eP'P'		22	13	28
			μ	s	
	P	Z'	0.2	1.0	
	M	N	0.5	20	
	M	Z	0.7	20	
	$\Delta = 7650 \text{ km} = 69^\circ$.				
Ki	iP		21	44	11
	i!		21	44	27
	eS		21	52	18
	eP'P'		22	13	28
			μ	s	
	i!	Z'	0.1	1.4	
	M	E	0.7	19	
	M	N	0.5	19	
	M	Z	1.1	19	
	Aleutian Islands.				
» 16 Up	iP		23	58	28
» 17 Up	iP		03	24	23C
	eS		03	28	23
			μ	s	
	M	N	0.4	12	
	$\Delta \sim 2450 \text{ km} \sim 22^\circ$.				
Ki	iP		03	25	36
			μ	s	
	M	E	0.4	14	
	M	N	0.4	14	
	Near west coast of Greece.				
» 17 Ki	iP		04	49	01
	i		04	49	15
	Marianas Islands.				
» 17 Up	iP		07	47	30D
	ipP		07	49	10
	i		07	50	25
	i		07	51	43
	ipPP		07	53	30
	iSKS		07	57	23
	i!		07	58	06
	iSP		08	00	22
	eSS		08	06	17
			μ	s	
	P	Z'	0.1	1.0	
	SKS	E	4.4	10	
	SKS	N	1.1	6	
	M	E	5.3	20	
	M	N	4.7	20	
	M	Z	5.2	20	
	$\Delta \sim 11650 \text{ km} \sim 105^\circ$.				
Ki	iP		07	47	15
	i		07	47	18

1956 July 17 (cont.)	ipP	07	48	59
	i	07	50	35
	iPP	07	51	37
	iSKS	07	57	09
	i!	07	57	49
	iS	07	58	13
	iPKKP	08	03	18
	iSS	08	05	36
		μ	s	
	P	z'	0.3	1.2
	SKS	E	7.2	11
	SKS	N	1.2	10
	S	E	3.0	8
	S	N	1.9	11
	PKKP	z'	0.2	1.5
	M	E	9.3	18
	M	N	7.5	22
			$\Delta=11350$ km= 102° .	
			Banda Sea. h=460 km (Ki).	
			Magn.=6.9 (Up, Ki).	
» 17 Up	i(P)	12	11	42
» 17 Ki	iP	15	26	51
			Azores region.	
» 17 Ki	eP	17	18	05
			Marianas Islands.	
» 17 Up	e(P)	20	46	16
	i	20	46	36
» 17 Ki	i(P)	22	08	55
		μ	s	
	(P)	z'	0.1	1.0
			Seismic?	
» 18 Up	iPKP	00	46	12
	e	00	47	11
		μ	s	
	M	E	1.0	25
	M	N	0.6	22
	M	Z	1.1	21
Ki	iPKP	00	46	00
	ePS	00	56	11
		μ	s	
	M	E	0.9	20
	M	N	0.7	25
	M	Z	1.7	23
			New Britain.	
» 18 Up	iP	04	48	25
» 18 Ki	ePKP	05	37	35
			Loyalty Islands.	
» 18 Up	iP	06	33	27C
	i	06	36	41
	iPKP	06	37	24
	i	06	37	44
	iPP	06	37	56

1956 July 18 (cont.)	ipPP	06	38	33
	iSKS	06	43	54
	e	06	44	49
	eSP	06	46	50
	ipPS	06	47	37
	i!	06	48	44
	iPKKP	06	49	12
		μ	s	
	P	z	1.3	5
	P	z'	0.6	1.1
	PP	E	1.1	3
	PP	z	3.0	4
	PP	z'	2.3	1.8
	PKKP	z'	0.2	1.5
	M	E	34	24
	M	N	45	22
	M	z	46	24
			$\Delta \sim 11650$ km $\sim 105^\circ$.	
Ki	iP	06	33	12C
	i	06	33	19
	ipP	06	33	50
	iPP	06	37	29
	ipPP	06	38	04
	iSKS	06	43	38
	iS	06	44	37
		μ	s	
	P	E	0.8	6
	P	z	1.7	5
	P	z'	1.3	1.0
	PP	E	3.2	8
	PP	z	5.2	8
	PP	z'	0.7	1.5
	S	E	17	11
	S	N	4.7	10
	M	E	43	20
	M	N	34	21
	M	z	46	20
			$\Delta=11300$ km= $101\frac{1}{2}^\circ$.	
			Banda Sea. h=140 km (Ki).	
			Magn.=7.3 (Up, Ki).	
» 18 Up	iP	09	51	26
	i	09	51	39
Ki	eP	09	52	43
		μ	s	
	M	E	0.6	14
	M	N	0.3	14
			Near west coast of Turkey.	
» 18 Up	e(P)	11	32	41
» 18 Up	iP	21	20	31
» 19 Up	i(P)	00	32	52
» 19 Up	iP	20	01	43
	Sk iP	20	02	23
			Ionian Islands.	
» 19 Up	iP	20	53	21

1956 July 19 (cont.)	i	20	53	39
	iS	21	03	34
		μ	s	
	P	z'	0.4	1.0
	S	E	0.3	4
	S	N	0.2	4
	M	E	1.9	18
	M	N	1.4	17
	M	z	2.5	18
			$\Delta=9200$ km= 83° .	
Ki	iP	20	53	04C
	i	20	53	22
	iS	21	03	00
		μ	s	
	P	E	0.3	6
	P	z	0.7	5
	P	z'	0.1	1.0
	S	E	1.0	8
	S	N	0.3	8
	M	E	3.8	20
	M	N	1.1	16
	M	z	6.1	20
			$\Delta=8850$ km= $79\frac{1}{2}^\circ$.	
Sk	iP	20	53	27C
	i	20	53	38
			Near west coast of Luzon, Philippine Islands.	
			Magn.=6.0 (Up, Ki).	
» 19 Ki	iP	21	12	44
	i	21	13	01
			Possibly aftershock of preceding earthquake.	
» 19 Up	iP	23	39	16D
	e(S)	23	50	07
		μ	s	
	P	z'	0.2	1.2
	(S)	N	0.3	6
	M	E	1.4	18
	M	N	1.3	18
	M	z	2.3	19
Ki	iP	23	39	11
	i	23	39	19
	eSKS	23	49	30
	eS	23	49	46
		μ	s	
	P	z'	0.4	1.5
	SKS	E	0.4	9
	M	E	1.7	17
	M	N	1.1	17
	M	z	2.2	17
			$\Delta=9650$ km= 87° .	
Sk	iP	23	39	00
	i	23	39	07
			Near coast of Costa Rica.	
			Magn.=6.2 (Up, Ki).	
» 19 Up	eP	23	50	54
	eSKS	00	01	15

1956 July 19 (cont.)			μ	s
	M	E	1.6	18
	M	N	1.4	18
	M	z	2.5	18
Ki	eP		23	50
	e(SKS)		00	01
		μ	s	
	(SKS)	E	0.5	10
	(SKS)	N	0.3	11
	M	E	1.9	18
	M	N	1.3	17
	M	z	2.4	17
Sk	iP		23	50
			38	
			Near coast of Costa Rica.	
			Magn.=6.2 (Up, Ki).	
» 20 Up	eP		02	08
			18	
» 20 Up	iP		11	58
			23	
		μ	s	
	M	E	0.9	14
	M	N	0.5	14
	M	z	1.2	14
Ki	iP		11	57
			57	
		μ	s	
	M	E	0.7	17
	M	N	0.4	16
	M	z	0.7	15
» 20 Up	i(P)		15	11
			08	
» 20 Up	iP		17	46
	iP		17	46
Ki	eS		17	57
			22	
		μ	s	
	M	E	0.8	20
	M	N	0.3	17
	M	z	0.9	20
			$\Delta=10500$ km= $94\frac{1}{2}^\circ$.	
			Halmahera region.	
» 20 Ki	eP		17	59
			30	
			Bikini (H-bomb).	
» 21 Up	iP		00	19
	eS		00	28
			31	
		μ	s	
	S	N	0.6	14
	M	E	1.2	18
	M	N	1.1	20
	M	z	1.2	18
			$\Delta=7550$ km= 68° .	
Ki	iP		00	20
	eS		00	29
			45	
		μ	s	
	S	N	0.4	13
	M	E	1.1	16
	M	N	0.8	20
	M	z	1.2	18
			$\Delta=8300$ km= $74\frac{1}{2}^\circ$.	

1956	July 21	Sk	iP	00	19	37
(cont.)			Mid-Atlantic Ocean.			
			Magn.=5.6 (Up, Ki).			
» 21	Up	iPn	09	45	16	
		iSg	09	46	00	
		$\Delta=300 \text{ km}=2.7^\circ$.				
	Ki	e	09	47	44	
		iSg	09	48	49	
		$\Delta=870 \text{ km}=7.8^\circ$.				
	Sk	eSn	09	47	21	
		iSg	09	47	58	
		$\Delta=700 \text{ km}=6.3^\circ$.				
		Finland. Epicentre at 60.0°N , 23.0°E .				
		Origin time=09 44 30. Aftershock				
		of earthquake on July 9 at 17 52 31.				
» 21	Up	iPn	09	56	20	
		iSg	09	57	07	
	Ki	eSg	09	59	53	
	Sk	eSn	09	58	31	
		iSg	09	59	06	
		Finland. Same epicentre as for the				
		preceding shock.				
		Origin time=09 55 37.				
» 21	Up	iPn	12	41	43C	
		iP*	12	41	50	
		iSg	12	42	42	
		$\Delta=390 \text{ km}=3.5^\circ$.				
	Ki	eSn	12	45	23	
		iSg	12	46	37	
		$\Delta=1180 \text{ km}=10.6^\circ$.				
	Sk	eSn	12	44	13	
		iSg	12	44	58	
		$\Delta=840 \text{ km}=7.6^\circ$.				
		Southern Baltic, 57°N , 21°E . Origin				
		time=12 40 45. Location and time				
		determined by combination with the				
		record at Copenhagen. Well developed				
		surface waves (period about 2 sec)				
		on Grenet Z' at Uppsala.				
» 21	Up	iP	15	00	37D	
		i	15	01	07	
		ipP	15	02	43	
		iS	15	08	18	
		iScS	15	09	24	
		μ s				
		P z' 0.1 0.9				
		S E 0.3 3				
		$\Delta=7100 \text{ km}=64^\circ$.				
	Ki	iP	14	59	50D	
		ipP	15	01	47	
		iS	15	06	50	
		eScS	15	08	30	
		μ s				
		P z' 0.1 0.9				
		S E 0.7 8				
		S N 0.2 8				
		$\Delta=6200 \text{ km}=56^\circ$.				

1956	July 21	Sk	iP	15	00	25D
(cont.)			epP	15	02	26
			iS	15	08	10
			$\Delta \sim 7000 \text{ km} \sim 63^\circ$.			
			Sea of Okhotsk.			
			h=640 km (Up, Ki, Sk).			
			Magn.=5.4 (Up, Ki).			
» 21	Up	iP	15	28	17	
	Sk	iP	15	28	57	
» 21	Up	iP	15	41	34C	
		i	15	41	43	
		ipP	15	43	33	
		iS	15	48	53	
		i	15	52	42	
		μ s				
		P E 1.0 2				
		P N 0.3 2				
		P Z 2.5 2				
		P z' 1.6 1.0				
		PP E 0.4 3				
		PP N 0.2 3				
		PP Z 0.6 3				
		S E 2.3 8				
		S N 1.9 8				
		S Z 2.2 10				
		M E 18 14				
		M N 7.4 15				
		M Z 23 15				
		$\Delta=5700 \text{ km}=51\frac{1}{2}^\circ$.				
	Ki	iP	15	41	52C	
		i	15	41	59	
		iPcP	15	42	58	
		μ s				
		P E 1.1 10				
		P N 0.6 10				
		P Z 2.7 10				
		P z' 0.9 1.0				
		$\Delta=6000 \text{ km}=54^\circ$.				
	Sk	iP	15	42	01C	
		i	15	42	09	
		Western India.				
		Magn.=6.7 (Up, Ki).				
» 21	Ki	iP	21	08	53	
		Marianas Islands region.				
» 22	Up	iP	03	34	10	
		eS	03	38	29	
		μ s				
		P N 0.2 5				
		P Z 0.4 5				
		P z' 0.1 1.0				
		S E 0.3 7				
		S N 0.4 8				
		S Z 0.5 7				
		M E 0.7 11				
		M N 1.9 10				
		M Z 2.2 11				
		$\Delta=2700 \text{ km}=24\frac{1}{2}^\circ$.				

1956	July 22	Ki	iP	03	35	20
(cont.)			eS	03	40	27
			μ s			
		P z' 0.2 0.9				
		S N 0.2 8				
		M E 1.4 13				
		M N 0.6 13				
		M Z 0.9 12				
		$\Delta=3450 \text{ km}=31^\circ$.				
	Sk	iP	03	34	51D	
		Aegean Sea.				
		Magn.=5.6 (Up, Ki).				
» 22	Ki	ePP	09	43	46	
		eSKS	09	49	55	
		μ s				
		SKS E 0.4 12				
	Sk	iPP	09	43	15	
		Northern Chile.				
» 23	Up	i(P)	02	09	16	
» 23	Up	iSKP	03	53	14	
	Ki	iSKP	03	52	50	
		Fiji Islands.				
		Deep (h ~ 600 km).				
» 23	Sk	e(P)	06	20	54	
» 23	Ki	e(P)	07	53	32	
» 23	Up	iP	07	55	17	
	Ki	iP	07	54	20	
		iPcP	07	55	28	
		μ s				
		M E 0.8 13				
		M N 0.4 12				
		M Z 1.1 19				
	Sk	eP	07	55	00	
		Near east coast of Kamchatka.				
» 23	Up	i	08	41	38	
		i(Sg)	08	41	57	
	Ki	e(Sg)	08	40	37	
		Local?				
» 23	Ki	i(P)	12	53	20	
		i	12	54	23	
» 23	Ki	iP	19	04	10	
	Sk	iP	19	04	21	
» 23	Up	i(PP)	19	47	14	
		i!	19	47	33	
		ePKS	19	48	44	
		μ s				
		M E 2.0 19				
		M N 1.4 16				
		M Z 1.8 17				
	Ki	iPKP	19	45	12	
		iPP	19	47	09	
		ePKS	19	48	29	
		e	19	49	35	

1956	July 23			μ	s	
(cont.)						
		PKP	Z'	0.1	1.5	
		PP	E	0.3	8	
		PP	N	0.3	8	
		PP	Z	0.6	8	
		PP	Z'	0.1	2.0	
		PKS	E	0.4	8	
		M	E	3.8	23	
		M	N	3.0	23	
		M	Z	7.4	24	
	Sk	iPKP		19	45	11
		iPP		19	47	11
		Easter Island region.				
		Magn.=6.3 (Up, Ki).				
» 24	Up	iP		02	24	27
	Ki	iP		02	24	18
		μ s				
		M N 0.5 19				
	Sk	iP		02	24	43
		Tibet.				
» 24	Up	iPKP		07	23	18
		Tonga Islands.				
» 24	Ki	iP		07	28	14
	Sk	iP		07	27	47
» 24	Ki	eP		07	40	02
	Sk	eP		07	39	38
» 24	Up	iP		13	11	26C
		i		13	12	12
		iPP		13	14	30
		iS		13	20	38
		μ s				
		P z' 0.7 1.0				
		S N 0.3 3				
	Ki	iP		13	10	53C
		iPP		13	13	38
		iS		13	19	37
		μ s				
		S N 0.4 7				
	Sk	iP		13	11	23
		iPP		13	14	23
		South of Honshu, Japan.				
		Deep (h ~ 500 km).				
» 24	Up	iP		14	12	29C
	Ki	eP		14	11	52
	Sk	iP		14	12	24
		Off south coast of Honshu, Japan.				
» 24	Ki	iP		15	58	16
		i		15	58	30
	Sk	iP		15	59	02
» 24	Up	i(P)		18	30	56
		i(Sg)		18	31	57
	Ki	e(Sg)		18	28	51
	Sk	e(Sg)		18	31	43
		Local.				

1956	July 24	Up	eP	19	10	12
			eSKS	19	20	44
			eS	19	21	27
				μ	s	
			SKS	E	0.4	6
			M	E	1.9	24
			M	N	1.4	25
			M	Z	2.1	24
			$\Delta = 10700 \text{ km} = 96\frac{1}{2}^\circ$.			
	Ki		iP	19	09	57
			eSKS	19	20	25
			eS	19	20	56
				μ	s	
			P	Z'	0.1	1.1
			SKS	E	0.5	7
			S	N	0.4	13
			M	E	2.0	23
			M	N	1.3	20
			M	Z	3.0	22
			$\Delta = 10300 \text{ km} = 92\frac{1}{2}^\circ$.			
	Sk		iP	19	10	19
			Molucca Passage.			
			Magn.=5.8 (Up, Ki).			
»	24	Sk	iP	21	47	40
»	25	Up	i(P)	03	19	35
»	26	Ki	iP	06	23	48C
		Sk	iP	06	24	40
			Off east coast of Honshu, Japan.			
»	26	Ki	e(P)	06	30	23
»	26	Up	iP	08	08	38
»	26	Up	iP	10	04	58
		Ki	iP	10	04	25D
			Nevada, U.S.A.			
»	26	Ki	iP	10	11	03
»	26	Ki	iP	11	10	54
»	26	Up	iP	11	55	28
»	26	Ki	e(P)	16	29	33
»	26	Up	iPKP	18	07	41D
				μ	s	
			PKP	Z'	0.2	0.8
		Ki	iPKP	18	07	30
		Sk	iSKP	18	10	08
		Sk	iPKP	18	07	34
			Kermadec Islands region.			
			Deep (h ~ 650 km).			
»	26	Up	iPKP	18	22	41
				μ	s	
			PKP	Z'	0.1	1.2

1956	July 26	Ki	eSKP	18	25	14
(cont.)			Kermadec Islands region.			
			Deep (h ~ 650 km).			
»	26	Up	iP	18	56	04
			i	18	56	28
»	27	Up	iP	04	42	29
»	27	Ki	eP	06	58	17
»	27	Up	iP	08	49	55
				μ	s	
			P	Z'	0.2	1.0
»	27	Ki	iP	14	00	16
		Sk	iP	14	00	53
			Kamchatka.			
»	27	Up	iP	23	37	27
		Ki	eP	23	36	47
			Marianas Islands.			
»	28	Ki	eS	00	16	45
				μ	s	
			M	E	1.4	19
			M	Z	1.5	20
		Sk	iP	00	05	55D
			Mexico.			
»	28	Up	iP	07	13	30
		Sk	eP	07	14	03
»	28	Ki	iP	10	58	18
»	28	Ki	iP	11	22	01
		Sk	eP	11	22	40
			Marianas Islands.			
»	28	Up	eP	15	24	37
		Ki				
				μ	s	
			M	E	1.1	16
			M	N	0.3	14
			Aegean Sea.			
»	28	Up	iP	21	07	31
			e	21	11	33
			e	21	13	35
		Sk	iP	21	07	58
			i	21	12	08
			i	21	14	50
»	28	Up	i(P)	21	47	05
»	28	Sk	eP	22	06	58
»	29	Up	ePKP	03	49	15
		Sk	iPKP	03	49	05D
			Kermadec Islands.			
»	29	Up	iP	06	42	04

1956	July 29	Up	iP	07	26	29
		Ki	eS	07	37	21
				μ	s	
			M	E	0.6	15
			M	N	0.3	15
			M	Z	0.6	16
		Sk	iP	07	26	47C
			Indian Ocean.			
»	29	Up	iP	13	41	30
		Sk	eP	13	41	10
			Guatemala.			
»	29	Up	iP	22	37	48
»	30	Up	iP	00	56	29
»	30	Up	iP	05	46	23
			i	05	46	28
			eS	05	50	50
				μ	s	
			S	E	2.8	11
			M	E	9.2	12
			M	N	4.8	11
			M	Z	4.1	12
			$\Delta = 2800 \text{ km} = 25^\circ$.			
	Ki	iP		05	47	29
		i		05	47	38
	Sk	iP		05	47	00
			Aegean Sea. P is multiple.			
»	30	Up	iP	05	52	31
		Ki	iP	05	53	37
			i	05	53	46
		Sk	iP	05	53	14
			Aegean Sea.			
»	30	Up	eP	06	39	48
		Ki	eP	06	40	55
			(Aegean Sea).			
»	30	Up	iP	09	20	20
			i	09	20	36
			iPP	09	20	49
			i	09	21	35
			iS	09	24	36
			i	09	24	41
				μ	s	
			P	Z'	0.8	1.4
			PP	Z'	0.7	1.5
			S	E	4.4	10
			S	N	5.2	12
			S	Z	3.1	10
			M	E	34	12
			M	N	13	11
			M	Z	16	12
			$\Delta = 2700 \text{ km} = 24^\circ$.			
	Ki	iP		09	21	24
		i		09	21	29
				μ	s	
			P	Z'	0.2	1.0

1956	July 30	M	N	43	15
(cont.)		M	Z	14	11
		Sk	iP	09	20
			i	09	21
				56	03
			Aegean Sea.		
			Magn.=6.1 (Up, Ki).		
			P is multiple.		
»	30	Up	iP	09	26
				μ	s
			P	Z'	0.2
		Ki	iP	09	27
				μ	s
			P	Z'	0.1
		Sk	iP	09	27
				18	
			Aegean Sea.		
			It is a remarkable fact that this shock		
			occurred 6 ^m 20 ^s after the previous,		
			larger shock and that the shock at		
			05.52 came 6 ^m 08 ^s after the one at		
			05.46, a mere coincidence?		
»	30	Ki	iP	10	44
				32	
»	30	Up	eP	10	45
			i	10	45
			i	10	45
			eS	10	49
				μ	s
			P	Z'	0.1
			S	E	1.0
			S	N	2.1
			S	Z	1.4
			M	E	4.9
			M	N	3.6
			M	Z	4.7
			$\Delta = 2800 \text{ km} = 25^\circ$.		
	Ki	iP		10	46
		i		10	46
	Sk	iP		10	45
		i		10	46
			Aegean Sea.		
			Magn.=5.4 (Up).		
			P is multiple.		
»	30	Up	iP	11	35
				μ	s
			M	E	2.1
			M	N	1.1
			M	Z	2.2
	Ki	eP		11	35
		e		12	06
				μ	s
			M	E	1.0
			M	N	0.6
			M	Z	1.3
			Ryukyu Islands region.		
»	30	Up	iP	12	13
				20	
»	30	Up	iP	13	10
				19	

1956 July 30 (cont.)	Ki	eP	13	11	17
	Aegean Sea.				
» 30	Up	iP	14	55	45 D
	Ki	iP	14	55	24
	Near north coast of Luzon, Philippine Islands.				
» 31	Sk	eP	05	39	21
» 31	Ki	eP	06	36	11
	i		06	36	17
		P	μ	s	
			0.1	1.5	
		M	0.9	15	
		M	0.4	19	
» 31	Up	eP	06	46	43
	Ki	eP	06	47	33
	(Aegean Sea).				
» 31	Up	iPKP	10	53	09 C
	Kermadec Islands. Deep (h ~ 400 km).				
» 31	Up	iP	16	51	53
	Ki	iP	16	51	47 C
		P	μ	s	
			0.1	1.0	
	Sk	iP	16	52	07
	Halmahera Island.				
» 31	Up	i(P)	18	23	43
	i		18	24	09
	Local?				
» 31	Ki	iP	21	38	30
Aug 1	Up	iP	01	57	39
	Ki	iP	01	56	42
	Yukon, Canada.				
» 1	Up	iP	09	42	26
	Ki	iP	09	42	31
	Sk	iP	09	42	50
	e		09	44	27
» 1	Ki	eP	10	01	18
	Sk	iP	10	01	45
» 1	Up	iP	11	47	41
	i(Sg)		11	48	10
	Sk	e(Sg)	11	48	51
	Local.				
» 1	Up	i(Sg)	11	57	26
	Local.				
» 1	Sk	e(Sg)	17	05	26
	Local?				

1956 Aug 1	Ki	iP	20	27	46
» 1	Ki	iP	20	40	00 D
	Sk	iP	20	39	43
	Dominican Republic.				
» 1	Up	eL	21	42	
		M	μ	s	
			0.5	20	
		M	1.6	22	
		M	1.6	22	
	Ki	eL	21	40	
		M	μ	s	
			0.8	20	
		M	0.6	18	
		M	1.5	20	
» 2	Ki	iP	07	23	56 C
		i(pP)	07	24	24
	Sk	iP	07	23	42
	Colombia.				
» 2	Up	iP	07	29	14
		P	μ	s	
			0.1	1.0	
	Ki	iP	07	28	29
	Sk	iP	07	29	05
	Off east coast of Hokkaido, Japan.				
» 2	Ki	eP	17	58	04
		M	μ	s	
			0.6	17	
		M	0.4	16	
		M	0.6	16	
	(Hindu Kush region).				
» 2	Up	iP	18	52	24
» 2	Ki	e(PP)	20	24	08
		e(PKS)	20	25	09
		M	μ	s	
			0.5	22	
		M	0.3	21	
		M	0.7	21	
	South of Tonga Islands.				
» 2	Up	e(P)	22	06	38
		e(Sg)	22	07	09
	Local?				
» 3	Ki	iP	00	59	37
	Sk	iP	00	55	02
» 3	Up	iP	05	29	38
» 3	Ki	eP	07	44	47
	Aleutian Islands.				
» 3	Ki	e(P)	13	39	17
» 3	Up	iPKP	17	56	31

1956 Aug 3 (cont.)	Ki	M	μ	s	
		N	0.5	19	
	e(PKP)		17	56	33
		M	μ	s	
		E	0.4	21	
		M	0.3	20	
		M	0.6	20	
	Sandwich Islands.				
» 3	Sk	iP	19	28	38
» 4	Up	iP	03	26	32
» 4	Up	ePP	10	08	23
		i(SS)	10	23	39
		M	μ	s	
		E	2.6	20	
		M	2.0	20	
		M	4.2	20	
	Ki	ePP	10	07	47
		e	10	14	04
		ePS	10	17	03
		M	μ	s	
		E	3.2	22	
		M	1.6	21	
		M	4.9	22	
	Sk	i(PKP)	10	07	21
	New Britain. Intermediate depth.				
» 4	Sk	iP	10	37	47
» 4	Up	iP	13	38	51
	Ki	iP	13	37	57
		i	13	38	14
	Sk	iP	13	38	34
	Kamchatka.				
» 4	Up	i(P)	14	26	18
» 5	Up	iP	05	46	54
	Ki	eP	05	46	51
	Near south coast of Sumatra.				
» 5	Up	iP	09	20	22
		i	09	20	32
		M	μ	s	
		E	0.7	18	
		M	0.6	17	
	Ki	iP	09	19	41
		eS	09	28	14
		eScS	09	29	35
		S	μ	s	
		E	0.3	12	
		M	1.5	23	
		M	0.6	18	
		M	1.2	18	
	$\Delta = 7050 \text{ km} = 63\frac{1}{2}^\circ$.				
	Sk	eP	09	20	15
	Off east coast of Hokkaido, Japan. Magn. = 5.4 (Up, Ki).				

1956 Aug 5	Sk	iP	16	17	00
» 5	Up	e(P)	17	15	27
	Sk	eP	17	16	14
» 5	Up	iP	20	08	40
» 6	Up	eP	02	07	18
» 6	Sk	eP	13	28	34
	Off coast of Guatemala.				
» 6	Up	iP	14	56	55
	Ki	iP	14	56	15
	Sk	iP	14	56	49
» 6	Ki	e(P)	15	46	03
» 6	Ki	eP	17	09	07
» 6	Up	iP	17	34	39 D
		M	μ	s	
		E	1.0	19	
		M	0.5	20	
		M	1.0	19	
	Ki	iP	17	34	10
		M	μ	s	
		E	0.3	18	
	Sk	iP	17	34	40
	Ryukyu Islands.				
» 7	Up	iP	00	40	13 D
		i!	00	40	30
			μ	s	
			0.1	1.0	
	Ki	iP	00	40	09
		i!	00	40	24
		P	μ	s	
			0.1	1.5	
	Sk	iP	00	40	29 D
		i!	00	40	46
	Burma.				
» 7	Ki	iP	04	57	42
» 7	Ki	eP	06	38	51
» 7	Up	i(P)	08	44	00
» 8	Up	iP	02	21	34
» 8	Up	eP	02	29	18
» 8	Ki	iP	05	30	11
	Sk	eP	05	30	22
		i	05	30	38
» 8	Up	iP	09	20	33
» 8	Up	iP	11	44	56 D

1956 Aug 8 (cont.)				μ	s
	Ki	P	z'	0.1	1.0
		iP		11	45 36 D
				μ	s
	Sk	P	z'	0.1	1.2
	Iran.	iP		11	45 32
» 8	Up	iP		20	47 11
» 8	Up	i(P)		21	47 40
» 8	Up	iP		23	10 12
				μ	s
	M	E		1.5	16
	M	N		3.5	16
	M	Z		1.4	16
Ki	iP			23	10 30
	i			23	12 45
	e(ScS)			23	20 36
				μ	s
	M	E		1.9	13
	M	N		1.3	15
	M	Z		2.3	13
Sk	iP			23	10 40
	i			23	10 45
					Southern Afghanistan.
» 9	Up	iP		03	42 28
		i		03	42 31
		i		03	42 44
		e(S)		03	47 03
				μ	s
	M	E		0.8	13
	M	N		0.5	12
	M	Z		0.9	13
Ki	eP			03	43 32
				μ	s
	M	E		1.2	15
					Aegean Sea.
» 9	Up	i(P)		10	17 53
		i		10	18 05
		iSg		10	18 10
					Local. Seismic?
» 9	Ki	iP		13	55 31
					Hokkaido, Japan.
» 9	Up	i(P)		15	27 28
» 9	Ki	iP		20	41 30 D
	Sk	eP		20	41 55
» 9	Up	iPKP		22	05 27
		iPKP2		22	05 34
				μ	s
	PKP	z'		0.1	1.0
	PKP2	z'		0.2	1.0
	M	N		0.9	21
	M	Z		1.2	22

1956 Aug 9 (cont.)	Ki	iPKP		22	05 13
				μ	s
	M	E		0.8	18
	M	N		0.7	20
	M	Z		1.5	20
Sk	iPKP			22	05 23
	iPKP2			22	05 31
					Kermadec Islands.
» 9	Up	i(PKP)		23	19 21
		iPKP		23	19 33
		ipPKP		23	20 46
		iPP		23	22 10
		iSKP		23	22 40
		iPKS		23	23 06
		i!		23	24 16
		i		23	28 34
				μ	s
	PKP	Z		1.3	5
	PKP	z'		1.4	2.5
	PP	Z		0.7	4
	SKP	Z		0.9	4
	SKP	z'		1.2	2.5
	PKS	E		0.7	4
	PKS	N		1.4	4
	M	E		1.6	20
	M	N		2.0	22
	M	Z		3.1	22
					$\Delta \sim 14900 \text{ km} \sim 134^\circ$.
Ki	e(PKP)			23	19 10
	iPKP			23	19 18
	iPKP			23	19 20
	iPKS			23	22 36
	i!			23	23 48
	i!			23	27 49
	iSS			23	38 06
				μ	s
	PKP	z'		0.2	0.8
	PKS	E		1.1	6
	PKS	N		1.4	7
	M	E		3.4	22
	M	N		1.4	20
	M	Z		3.4	21
					$\Delta \sim 14000 \text{ km} \sim 126^\circ$.
Sk	i(PKP)			23	19 17
	iPKP			23	19 29
	ipPKP			23	20 43
	iSKP			23	22 31
					$\Delta \sim 14500 \text{ km} \sim 130\frac{1}{2}^\circ$.
					Samoa Islands region.
					Intermediate depth ($h \sim 250 \text{ km}$).
					The small-amplitude phase (PKP),
					arriving about 12 sec earlier than the
					computed arrival time of PKP, is
					noteworthy.
» 9	Up	iP		23	31 52
» 10	Ki	iP		02	29 54
	Sk	iP		02	29 43
					Costa Rica.

1956 Aug 10	Ki	eP		06	00 07
» 10	Ki	iP		13	41 27
» 10	Up	iP		19	17 57
		i		19	18 30
» 10	Up	iP		22	05 50
	Ki	iP		22	05 19
					Northern Luzon, Philippine Islands.
» 11	Up	iP		01	59 38
» 11	Up	iP		16	23 54
		iSg		16	24 34
					Local.
» 11	Up	iP		16	46 28
» 12	Up	iP		00	05 04
				μ	s
				1.1	24
Ki	iP			00	04 11
				μ	s
				0.8	18
				0.5	17
				1.1	17
Sk	iP			00	04 46
					Aleutian Islands.
» 12	Up	ePKP		00	44 34
		i		00	46 19
		ePP		00	47 36
				μ	s
				0.2	1.7
Ki	PP	z'		00	44 31
	iPKP			00	47 37
	iSKP				
				μ	s
				0.1	1.5
	PKP	z'		0.1	1.5
Sk	ePKP			00	44 40
					Tonga Islands.
					Intermediate depth ($h \sim 200 \text{ km}$).
» 12	Up	eP		05	43 35
» 12	Sk	iPKP		05	58 36
					Northern New Britain.
					Intermediate depth ($h \sim 150 \text{ km}$).
» 12	Up	iP		10	35 15
» 12	Up	iP		16	42 49
» 12	Up	iP		16	58 07
	Ki	iP		16	57 31
	Sk	iP		16	58 04
					Off south coast of Honshu, Japan.
» 12	Up	iP		17	11 15
		iPP		17	14 02

1956 Aug 12 (cont.)	e		17	17	18
	eS		17	20	48
	eSS		17	25	22
			μ	s	
	P	z'	0.6	3	
	P	z'	0.4	1.8	
	PP	z'	0.1	1.5	
	S	E	1.0	8	
	S	N	1.4	8	
	M	E	21	19	
	M	N	20	18	
	M	Z	12	17	
					$\Delta = 8250 \text{ km} = 74\frac{1}{2}^\circ$.
Ki	iP		17	10	37
	iPP		17	13	09
	iS		17	19	41
	eSS		17	23	51
			μ	s	
	P	z'	0.1	1.0	
	PP	z'	0.2	1.5	
	S	E	1.0	7	
	S	N	1.6	7	
	M	E	35	18	
	M	N	36	19	
	M	Z	29	20	
					$\Delta \sim 7600 \text{ km} \sim 68\frac{1}{2}^\circ$.
Sk	iP		17	11	11
	iPP		17	13	55
					$\Delta = 8150 \text{ km} = 73\frac{1}{2}^\circ$.
					Near south coast of Honshu, Japan.
					Magn. = 6.3 (Up, Ki).
» 13	Up	e(P)	04	47	18
		i(Sg)	04	47	39
					Local?
» 13	Up	eP	08	44	33
» 13	Up	iPKP	09	27	23
			μ	s	
			0.1	1.5	
Sk	PKP	z'	09	27	16 D
	iPKP				Kermadec Islands region.
» 13	Up	iP	12	50	06
	Ki	e(P)	12	49	22
» 13	Up	iP	15	11	43
			μ	s	
			0.1	1.0	
» 13	Up	iP	15	29	35 C
» 13	Up	e(P)	18	24	54
		i(Sg)	18	25	22
					Local?
» 14	Up	e!	03	19	07
			μ	s	
	M	E	2.8	18	
	M	N	5.4	20	

1956 Aug 14 (cont.)	Ki	M	z	7.0	20
		iPKP		03	08 59C
		ePKS		03	12 44
		e(PKKP)		03	20 22
			μ	s	
		PKS	z	0.3	9
		M	E	2.5	16
		M	N	2.6	22
		M	Z	5.3	22
		South Indian Ocean. Magn.=6.5 (Up, Ki).			
» 14	Ki	iP		05	46 55
	Sk	iP		05	47 14
» 14	Up	iPKP		12	07 44C
	Ki	ePKP		12	07 23
		Kermadec Islands region.			
» 14	Ki	i(P)		12	48 04
» 14	Ki	iP		12	56 04
		Near southwest coast of Sumatra.			
» 14	Up	iP		20	50 31
		i		20	51 17
		i		20	51 57
» 14	Up	iPKP		23	52 50
	Ki	iPKP		23	52 43
		iSKP		23	55 19
	Sk	iSKP		23	55 35
		Fiji Islands. Deep (h ~ 550 km).			
» 15	Up	i(P)		05	13 15
		i(Sg)		05	13 50
		Local?			
» 15	Up	iP		05	32 54D
		i		05	33 27
		iPP		05	36 21
		iSKS		05	42 48
		iS		05	43 04
			μ	s	
		P	z	0.8	3
		P	z'	0.7	1.0
		PP	z'	0.2	1.5
		SKS	E	2.3	6
		SKS	N	0.6	5
		S	E	3.1	6
		S	N	2.4	7
		M	E	1.6	24
		M	N	1.5	21
		M	Z	1.7	20
		$\Delta \sim 9700 \text{ km} \sim 87^\circ$.			
Ki	iP			05	32 53D
	i			05	33 27
	iPP			05	36 19
	iSKS			05	42 45
	iS			05	43 02

1956 Aug 15 (cont.)	iSP		05	44	01
	ePS		05	44	42
		μ	s		
	P	E	0.5	7	
	P	Z	1.4	6	
	P	z'	1.2	1.0	
	PP	E	0.4	7	
	PP	z'	0.3	1.7	
	SKS	E	2.7	8	
	S	E	5.3	10	
	S	N	5.1	8	
	S	Z	0.9	8	
	M	E	0.8	17	
	M	N	0.6	16	
	M	Z	1.1	16	
	$\Delta \sim 9700 \text{ km} \sim 87^\circ$.				
Sk	iP		05	33	07D
	iPP		05	36	45
	Sumatra. Deep (h ~ 300 km). Magn.=6.4 (Up, Ki).				
» 15	Up	i(P)		05	43 05
		(P)	μ	s	
	Ki	i(P)	0.4	1.8	
			05	43	10
		(P)	μ	s	
	Sk	i(P)	0.1	1.0	
			05	43	31
» 15	Up	eP		11	04 46
		iPP		11	08 45
		i		11	09 20
		iSKS		11	15 07
		iS		11	15 54
			μ	s	
		PP	E	0.7	6
		PP	Z	1.2	6
		PP	z'	0.1	1.2
		SKS	E	1.2	4
		S	E	0.8	5
		M	E	2.6	20
		M	N	5.3	23
		M	Z	3.1	18
Ki	iP		11	04	26
	i(pP)		11	04	52
	iPP		11	08	23
	e		11	12	07
	iSKS		11	14	51
	iS		11	15	24
	iPKKP		11	21	26
		μ	s		
	P	Z	0.6	6	
	P	z'	0.1	1.3	
	PP	E	0.7	6	
	PP	Z	1.0	6	
	PP	z'	0.2	1.7	
	SKS	E	2.6	5	
	S	E	1.9	7	
	S	N	0.9	7	
	M	E	4.1	22	
	M	N	5.8	22	

1956					
Aug 15		M	z	4.8	20
(cont.)		$\Delta=10450$	km=	94° .	
	Sk	iP	11	04	49
		i(pP)	11	05	11
		iPP	11	08	48
		$\Delta=10700$	km=	$96\frac{1}{2}^\circ$.	
		Northern Celebes.			
		h=85 km (Ki, Sk).			
		Magn.=6.3 (Up, Ki).			
» 15	Up	iP	12	06	49C
		i	12	06	54
		iS	12	10	00
		iLg1	12	11	32
		i(Lg1)	12	11	49
		iLg2	12	12	15
		i	12	12	23
			μ	s	
		P	N	1.8	4
		P	z	2.8	4
		P	z'	1.5	1.5
		S	E	1.2	8
		S	N	0.7	3
		M	E	7.7	13
		M	N	15	10
		M	z	20	10
		$\Delta=1850$	km=	$16\frac{1}{2}^\circ$.	
	Ki	iP	12	08	18C
		eS	12	12	36
		iLg2	12	16	26
		eRg	12	17	22
		e	12	18	17
			μ	s	
		P	N	0.9	5
		P	z	1.0	5
		P	z'	0.6	1.0
		S	E	1.3	14
		S	N	1.6	13
		S	z	1.4	12
		M	E	8.0	13
		M	N	17	11
		M	z	25	11
		$\Delta=2700$	km=	$24\frac{1}{2}^\circ$.	
	Sk	iLg1	12	13	19
		Near coast of Yugoslavia.			
		Magn.=6.0 (Up, Ki).			
		Lg2 is extremely clear at Uppsala and Kiruna.			
» 15	Ki	iP	12	34	03
» 15	Ki	iP	13	22	00
» 15	Up	iP	13	23	12C
		eS	13	32	06
		ePS	13	32	22
		e	13	33	25
			μ	s	
		P	N	0.4	3
		P	z	1.0	4
		P	z'	0.7	1.5

1956 Aug 15 (cont.)	S	N	1.1	13
	M	E	12	20
	M	N	12	17
	M	Z	12	18
	$\Delta=7550 \text{ km}=68^\circ$.			
Ki	iP		13	22 24
	i		13	22 29
	e		13	26 24
	eS		13	30 36
	iSeS		13	32 15
			μ	s
	P	E	0.3	7
	P	N	0.3	6
	P	Z	1.1	8
	P	Z'	0.4	1.5
	S	N	1.3	17
	M	E	15	16
	M	N	12	19
	M	Z	24	20
	$\Delta=6650 \text{ km}=60^\circ$.			
Sk	iP		13	22 59
	i		13	23 02
	iPeP		13	23 34
Kurile Islands. Magn.=6.3 (Up, Ki).				
» 15	Ki	e(P)	13	57 22
» 15	Up	iP	14	43 24
	Ki	eP	14	44 37
	Sk	eP	14	44 02
Off south coast of Greece.				
» 15	Ki	iP	15	12 17C
» 15	Ki	iP	16	58 26
» 15	Ki	i(Sg)	17	38 04
Local?				
» 15	Up	i(P)	20	42 27
» 15	Up	iP	21	39 55
			μ	s
	P	z'	0.1	1.1
Ki	iP		21	39 08C
			μ	s
	P	Z'	0.1	1.0
	M	E	0.8	18
	M	N	0.6	20
	M	Z	1.2	20
Sk	iP		21	39 43
Kurile Islands.				
» 15	Up	e(P)	22	19 47
		i(Sg)	22	20 27
Local?				
» 15	Up	iP	22	48 47D
» 16	Up	iP	00	43 49

1956 Aug 16 (cont.)	i	00	43	56
	e	00	47	52
	eS	00	48	02
		μ	s	
	P	z'	0.1	0.9
	M	E	9.3	16
	M	N	3.6	20
	M	Z	4.8	14
		$\Delta=2650$ km= 24° .		
Ki	eP	00	45	02
	e	00	49	54
	eS	00	50	13
		μ	s	
	M	E	9.1	20
	M	N	2.1	17
	M	Z	2.7	13
		$\Delta=3550$ km= 32° .		
Sk	iP	00	44	27
	i	00	44	35
About 200 km off south coast of Greece. Magn.=5.4 (Up, Ki).				
» 16 Up	iP	02	15	41
	e	02	25	04
	e(Lg2)	02	25	47
		μ	s	
	M	E	0.8	13
	M	N	1.1	13
	M	Z	1.8	13
Ki	iP	02	16	40
	e(SS)	02	24	11
		μ	s	
	M	E	0.9	18
	M	N	1.2	24
	M	Z	1.1	17
Sk	eP	02	15	53
Near southwest coast of Portugal.				
» 16 Ki	eP	08	40	30
	iP	08	39	46
Italy.				
» 16 Sk	iP	15	36	27
» 16 Ki	iP	23	48	29
	Sk	23	48	00
» 17 Up	iP	01	29	07
	e	01	34	19
		μ	s	
	M	E	1.5	19
	M	N	1.8	20
	M	Z	2.3	19
Ki	iP	01	29	12
	ePP	01	30	15
	iPeP	01	32	18
	eS	01	34	08
		μ	s	
	PP	E	0.3	8
	S	N	0.3	8

1956					
Aug 17	M	E	1.1	16	
(cont.)	M	N	0.4	14	
	M	Z	1.3	16	
	$\triangle = 3300 \text{ km} = 29 \frac{1}{2}^\circ$.				
Sk	eP		01	28	35
	i		01	28	43
	i		01	31	44
North Atlantic Ocean.					
» 17 Up	iP		02	05	34 C
			μ	s	
	M	E	1.2	19	
	M	N	1.1	20	
	M	Z	1.7	20	
Ki	eP		02	05	34
	e		02	06	09
			μ	s	
	M	E	1.0	17	
	M	N	0.6	18	
	M	Z	1.3	17	
Sk	iP		02	05	04
North Atlantic Ocean.					
» 17 Up	iP		05	14	21
	i		05	14	42
» 17 Ki	eL		15	08	
			μ	s	
	M	E	0.9	20	
	M	N	0.6	21	
	M	Z	1.1	19	
New Britain region.					
» 17 Ki			—		
			μ	s	
	M	E	0.6	15	
	M	N	0.4	13	
	M	Z	0.5	13	
Sk	iP		18	53	59
» 17 Ki	iP		22	07	14
» 18 Ki	eP		04	43	20
			μ	s	
	P	z'	0.1	1.5	
Sk	iP		04	44	18
» 18 Up	iP		06	09	02
Ki	eP		06	09	41
			μ	s	
	M	E	0.2	11	
	M	N	0.2	11	
» 19 Up	iPKP		05	36	52
			μ	s	
	PKP	z'	0.1	1.0	
	M	E	0.6	24	
	M	N	0.9	20	
	M	Z	1.4	20	
Ki	ePKP		05	36	35

1956					
Aug 19			μ	s	
(cont.)	M	E	0.6	20	
	M	N	0.9	22	
	M	Z	1.2	20	
	Fiji Islands region.				
	Intermediate depth (h ~ 150 km).				
» 19	Up	iPKP	09	08	07
	Ki	iPKP	09	08	02
	Sk	iPKP	09	08	12
	Tonga Islands.				
	Intermediate depth (h ~ 100 km).				
» 19	Up	iP	11	40	41
	Sk	iP	11	40	31
» 19	Up	e(P)	14	51	07
» 19	Up	e(P)	22	49	29
» 20	Up	iP	01	06	39
		i	01	07	08
	Ki	iP	01	05	50
	Northwest Pacific. Deep.				
» 20	Up	iP	05	46	36
		eSKS	05	56	53
		eS	05	57	12
			μ	s	
		P	z'	0.4	2.0
		SKS	N	0.3	4
		S	E	0.6	9
		M	E	1.8	23
		M	N	1.1	20
		M	Z	2.9	23
		$\Delta=9700$ km= $87\frac{1}{2}^\circ$.			
	Ki	iP	05	46	35
		eSKS	05	56	57
		eS	05	57	07
			μ	s	
		P	z'	0.3	1.8
		S	N	0.5	8
		M	E	1.7	20
		M	N	0.9	21
		M	Z	2.3	22
		$\Delta=9650$ km= 87° .			
	Sk	iP	05	46	22
	Near south coast of Panama.				
	Magn.=6.3 (Up, Ki).				
» 20	Ki	i(Sg)	10	09	46
	Local?				
» 20	Up	iP	18	57	03
» 21	Up	eL	00	51	
			μ	s	
		M	N	0.5	20
	Ki	eL	00	52	
			μ	s	
		M	E	0.9	20

1956						
Aug 21		M	N	0.7	22	
(cont.)		M	Z	1.5	20	
»	21	Up	iP	02	37	06 D
»	21	Ki	e(PP)	02	53	45
			Tonga Islands region.			
»	21	Up	eP	11	36	47
				μ	s	
		M	E	0.8	21	
		M	N	1.1	21	
		M	Z	1.4	20	
		Ki	iP	11	35	56
				μ	s	
		M	E	1.0	19	
		M	N	0.5	19	
		M	Z	2.6	25	
			Kurile Islands.			
»	21	Up	e(P)	14	40	47
»	21	Up	i(P)	15	26	35
»	21	Ki	iP	16	28	15 C
»	21	Up	iP	18	31	29
»	22	Up	iPKP	11	45	20
		Ki	iPKP	11	45	05
		Sk	iPKP	11	45	17
			New Hebrides.			
»	22	Ki	e(P)	13	10	41
»	22	Up	iSn	14	45	29
			iSg	14	46	01
			$\Delta=620$ km = 5.6° .			
		Ki	eSn	14	45	19
			i	14	45	44
			iSg	14	45	47
			$\Delta=580$ km = 5.2° .			
		Sk	iP(g)	14	43	23 D
			i	14	43	29
			iSg	14	43	41
			$\Delta=160$ km = 1.4° .			
			Off coast of central Norway, 64.7° N, 10.0° E.			
			Origin time = 14 42 55.			
»	22	Up	eP	15	07	21
		Ki	eP	15	08	10
			Off east coast of Rhodes.			
»	22	Up	iP	16	12	34
			i	16	12	42
		Ki	iP	16	12	21
			i	16	12	29
		Sk	iP	16	12	49
»	22	Ki	iP	17	26	15
			Molucca Passage.			

1956	Aug 22	Up	iP	18	08	53
»	22	Up	iP	18	59	50
		Ki	iP	18	59	12
			i	18	59	28
		Sk	iP	18	59	55
»	22	Up	iP	19	46	41C
			P	z'	μ	s
					0.1	1.1
		Ki	iP	19	46	31
		Sk	iP	19	46	55
			Foreshock of following earthquake.			
»	22	Up	iP	19	50	22
			i	19	50	25
			eS	19	58	33
			P	z'	μ	s
					0.4	0.9
			S	N	0.1	3
			M	E	0.9	17
			M	N	3.1	19
			M	Z	0.8	15
			$\Delta = 6650 \text{ km} = 60^\circ$.			
		Ki	iP	19	50	12
			i	19	50	15
			eS	19	58	18
			P	z'	μ	s
					0.1	1.0
			S	N	0.2	8
			M	E	0.8	14
			M	N	1.2	18
			M	Z	0.8	14
			$\Delta = 6550 \text{ km} = 59^\circ$.			
		Sk	iP	19	50	38
			i	19	50	40
			i	19	50	52
			Assam. Magn. ~ 5.8 (Up, Ki). P is clearly multiple.			
»	23	Up	iP	01	02	11
»	23	Up	iP	10	33	25
»	23	Up	iP	13	15	00
		Ki	iP	13	14	06C
			Unimak Island region.			
»	23	Up	ePKP	14	06	07
			ePP	14	06	22
			e	14	07	21
			iSKS	14	12	47
			i	14	13	23
			ePS	14	15	19
			PP	E	μ	s
					0.2	6
			PP	Z	0.4	5
			SKS	E	1.0	8
			SKS	N	0.2	6
			M	E	5.3	20
			M	N	2.2	20

1956						
Aug 23		M	Z	5.2	20	
(cont.)		$\Delta \sim 11200 \text{ km} \sim 101^\circ$.				
	Ki	eP		14	02	34
		ePKP		14	06	28
		e(PP)		14	06	36
		eSKS		14	13	00
		eS		14	14	11
				μ	s	
		P	E	0.1		6
		P	Z	0.3		6
		(PP)	E	0.3		6
		SKS	E	0.7		9
		S	E	0.5		9
		S	N	0.4		9
		M	E	5.6		23
		M	N	2.8		21
		M	Z	13		23
		$\Delta \sim 11450 \text{ km} \sim 103^\circ$.				
		Bolivia. Intermediate depth ($h \sim 100 \text{ km}$).				
		Magn. = 6.6 (Up, Ki).				
»	23	Up	iP	22	16	46
		Ki	iP	22	16	07
			i	22	16	19
				μ	s	
			M	E	0.4	16
			M	N	0.2	16
			M	Z	0.9	17
		Sk	eP	22	16	41
		Near east coast of Honshu, Japan.				
»	23	Up	iP	23	30	56 D
		Ki	iP	23	30	42
		Sk	iP	23	31	09
		Szechwan Province, China.				
»	24	Ki	iP	00	12	26 C
		Near east coast of Kamchatka.				
»	24	Up	iP	04	01	58
				μ	s	
			M	E	0.8	20
			M	N	1.0	22
			M	Z	0.8	22
		Ki	iP	04	01	12
				μ	s	
			M	E	0.8	18
			M	N	0.7	20
			M	Z	1.5	20
		Sk	iP	04	01	48
		Kurile Islands.				
»	24	U'p	iP	04	38	21 C
			i	04	38	35
			ePa	04	42	26
			i(S)	04	46	59
			iS	04	47	07
			eP'P'	05	06	54
				μ	s	
			P	E	1.0	15

1956						
Aug 24		P	N	3.7	14	
(cont.)		P	Z	5.3	12	
		P	Z'	0.5	1.0	
		S	E	3.3	13	
		S	N	4.4	12	
		S	Z	2.0	12	
		P'P'	Z'	0.1	1.5	
		M	E	13	21	
		M	N	13	19	
		M	Z	14	17	
		$\Delta=7350 \text{ km}=66^\circ$.				
	Ki	iP		04	37	27C
		i		04	37	41
		i		04	38	00
		ePa		04	41	09
		eS		04	45	24
		eP'P'		05	07	21
				μ	s	
		P	E	0.9	15	
		P	N	1.9	10	
		P	Z	4.8	10	
		P	Z'	0.4	1.0	
		S	E	5.2	14	
		S	N	2.1	12	
		P'P'	Z'	0.1	2.0	
		M	E	17	22	
		M	N	18	21	
		M	Z	41	21	
		$\Delta=6450 \text{ km}=58^\circ$.				
	Sk	iP		04	38	02C
		eP'P'		05	07	06
		$\Delta=7000 \text{ km}=63^\circ$.				
		Aleutian Islands.				
		Magn.=6.6 (Up, Ki).				
»	24	Up	iP	05	00	45C
				μ	s	
		P	Z'	0.1	1.2	
	Ki	iP		04	59	51C
				μ	s	
		P	Z'	0.1	0.9	
	Sk	iP		05	00	26
		Aleutian Islands.				
»	24	Up	iP	05	10	11
			i	05	10	16
			i	05	10	27
				μ	s	
		P	Z'	0.1	1.4	
	Ki	iP		05	09	21
	Sk	iP		05	10	02
		Kurile Islands.				
»	24	Ki	iPKP	08	46	53
		Sk	iPKP	08	47	04
		Loyalty Islands.				
»	24	Up	iP	08	51	59
			i!	08	52	09
			eS	09	00	28

1956	Aug 24			μ	s
(cont.)		i!	z'	0.2	1.7
		M	N	0.5	18
		M	Z	0.8	15
		$\Delta=7000 \text{ km}=63^\circ$.			
	Ki	iP		08	51 05
		i		08	51 16
				μ	s
		P	z'	0.1	1.3
		M	E	0.9	19
		M	N	0.4	16
		M	Z	1.1	17
	Sk	iP		08	51 42
		i		08	51 52
		Kamchatka.			
»	24	Up	i(P)	18	31 07
»	24	Up	eP	19	25 56
	Ki	iP		19	25 03C
				μ	s
		P	z'	0.1	1.3
	Sk	eP		19	25 33
		i!		19	26 18
		Aleutian Islands.			
»	25	Ki	iP	00	36 12
		Halmahera Island region.			
»	25	Ki	eP	11	14 16
	Sk	iP		11	13 48
		Off south coast of Greece.			
»	25	Ki	e(P)	16	09 23
				μ	s
		M	E	0.4	14
		M	N	0.2	15
		M	Z	0.5	15
		Lower California.			
»	25	Up	iP	19	44 33
				μ	s
		P	z'	0.2	1.2
	Ki	iP		19	43 40C
				μ	s
		P	z'	0.2	1.0
	Sk	iP		19	44 14
		Aleutian Islands.			
»	25	Ki	iPKP	22	21 59
	Sk	iPKP		22	22 10
		Santa Cruz Islands. Intermediate depth ($h \sim 200 \text{ km}$).			
»	26	Up	iPg	08	10 37
		i		08	10 50
		iSn		08	11 01
		iSg		08	11 07
		$\Delta=260 \text{ km}=2.3^\circ$.			
	Ki	e(Pn)		08	11 25
		eSn		08	12 30

1956 Aug 26 (cont.)	iSg	08	13	00
	$\Delta=630$ km=5.7°.			
Sk	iPg	08	10	41
	i	08	10	44
	i	08	10	59
	iSg	08	11	14
	$\Delta=280$ km=2.5°.			
	Near the Baltic coast of Sweden, 62.2°N, 17.0°E. Origin time=08 09 51. Felt in the area of Hälsingland- Medelpad.			
» 26 Sk	iP	11	03	51
» 26 Up	iP	13	05	10
» 26 Up	iP	13	41	05
» 26 Up	iP	16	59	08
Ki	iP	16	58	14
	P	μ 0.1	s 1.0	
Sk	iP	16	58	48
	Aleutian Islands.			
» 26 Ki	i(P)	17	14	44
» 26 Up	eL	22	07	
	M	μ 1.2	s 16	
	M	μ 0.7	s 16	
	M	μ 1.8	s 17	
Ki	eL	22	07	
	M	μ 0.6	s 15	
	M	μ 0.6	s 18	
	M	μ 1.1	s 17	
» 27 Up	iP	01	40	19
» 27 Ki	iP	15	36	42
» 27 Up	iP	15	42	45C
	P	μ 0.1	s 1.0	
Ki	eP	15	43	16
	iPP	15	43	58
	iPcS	15	50	08
Sk	iP	15	43	28
	i	15	43	43
	Northern Caucasus.			
» 27 Ki	eP	18	09	40
Sk	eP	18	10	10
	Alaska.			
» 28 Up	iP	01	34	21
	iS	01	38	03
	i	01	38	44

1956 Aug 28 (cont.)	P	μ 0.2	s 1.2	
	M	μ 0.8	s 17	
	M	μ 1.4	s 16	
	$\Delta=2200$ km=20°.			
Ki	iP	01	35	28
	i	01	35	47
	i	01	41	05
	M	μ 1.3	s 16	
	M	μ 0.5	s 15	
	M	μ 1.0	s 15	
Sk	iP	01	35	08
	iPP	01	35	37
	i	01	40	28
	Near north coast of Turkey.			
» 28 Up	i(P)	08	47	14
» 28 Up	iPKP	10	07	38C
Ki	iPKP	10	07	29
Sk	ePKP	10	07	30
	Tonga Islands region. Deep (h~600 km).			
» 28 Up	eP	13	47	00
» 28 Up	iP	13	55	00
	P	μ 0.1	s 1.2	
» 29 Up	iP	03	14	59
	P	μ 0.1	s 1.0	
	M	μ 1.6	s 24	
	M	μ 1.3	s 24	
	M	μ 1.8	s 21	
Ki	iP	03	14	04
	M	μ 1.0	s 21	
	M	μ 0.6	s 19	
	M	μ 0.7	s 18	
Sk	iP	03	14	41C
	Near east coast of Kamchatka.			
» 29 Up	iP	18	07	44D
Ki	eP	18	07	31
Sk	iP	18	07	58
» 29 Sk	i(P)	18	12	59
» 30 Up	iP	04	35	15C
	e(S)	04	44	18
	P	μ 0.4	s 4	
	P	μ 0.7	s 4	
	P	μ 0.3	s 1.3	
	M	μ 2.4	s 18	
	M	μ 2.6	s 22	
	M	μ 4.1	s 21	
Ki	iP	04	34	22C

1956 Aug 30 (cont.)	eS	04	42	27
	e	04	42	40
	P	μ 0.4	s 8	
	P	μ 0.8	s 8	
	P	μ 0.3	s 1.2	
	S	μ 0.7	s 13	
	M	μ 2.5	s 18	
	M	μ 2.6	s 15	
	M	μ 4.8	s 16	
	$\Delta=6550$ km=59°.			
Sk	iP	04	34	50C
	Aleutian Islands. Magn.=6.2 (Up, Ki).			
» 30 Up	iP	05	36	37
	eS	05	46	15
	S	μ 1.2	s 14	
	M	μ 1.2	s 18	
	M	μ 1.3	s 18	
	M	μ 2.0	s 19	
	$\Delta=8400$ km=75 1/2°.			
Ki	iP	05	35	57
	iS	05	45	02
	ePPS	05	45	31
	S	μ 0.6	s 10	
	M	μ 1.6	s 18	
	M	μ 1.2	s 18	
	M	μ 3.1	s 18	
	$\Delta=7650$ km=69°.			
Sk	iP	05	36	11
	Off coast of northern California. Magn.=5.8 (Up, Ki).			
» 30 Up	i	06	26	05
	M	μ 1.2	s 15	
	M	μ 1.1	s 11	
Ki	iP	06	12	08
	M	μ 0.4	s 10	
	M	μ 0.6	s 16	
	M	μ 0.6	s 11	
Sk	iP	06	12	40
» 30 Ki	eP	10	19	10
» 30 Ki	e(P)	13	15	52
	i	13	17	00
	i(Sg)	13	17	17
	Local?			
» 30 Up	iP	18	17	45
Ki	iP	18	17	50
Sk	iP	18	17	12
	i	18	17	20
	North Atlantic Ocean.			
» 30 Up	i(P)	20	47	45

1956 Aug 30 (cont.)	i	20	48	27
	i(Sg)	20	48	54
	Local?			
» 31 Up	iPKP	00	30	26
	Solomon Islands. Intermediate depth (h~100 km).			
» 31 Up	i(P)	02	41	25
	i(Sg)	02	41	58
	Local?			
» 31 Sk	iP	03	00	27
	Lesser Antilles.			
» 31 Ki	e(Sg)	08	17	41
	Local?			
» 31 Sk	i(P)	10	34	22
» 31 Up	i(Sn)	10	50	21
	iSg	10	50	47
	$\Delta=610$ km=5.5°.			
Ki	ePg	10	48	38
	iSg	10	49	12
	Sg	μ 0.2	s 0.5	
	$\Delta=290$ km=2.6°.			
Sk	ePg	10	48	44
	iSg	10	49	23
	i	10	49	27
	$\Delta=330$ km=3.0°.			
	Swedish Lapland, 65.5°N, 18.3°E. Origin time=10 47 45. Felt.			
» 31 Ki	eP	15	44	22
» 31 Up	iP	18	32	17
» 31 Ki	iP	22	16	20
Sk	iP	22	16	44
	Marianas Islands region.			
» 31 Ki	eP	23	19	34
Sk	iP	23	20	02
	Marianas Islands region.			
Sep 1 Up		—		
	M	μ 0.7	s 20	
Ki	iP	00	34	33C
	eSKS	00	45	08
	SKS	μ 0.4	s 11	
	M	μ 0.7	s 17	
	M	μ 0.5	s 16	
	M	μ 1.2	s 18	
Sk	iP	00	34	57
	Marianas Islands region.			
» 1 Up	i(P)	04	21	22

1956	Sep	1	Ki	iP	08	19	21	
»	1	Up	iP		16	04	48C	
			M	N	μ	s		
		Ki			0.9	20		
			M	N	μ	s		
		Sk	iP		0.5	16	04C	
»	1	Up	iP		18	07	29	
		Ki	iP		18	06	35D	
		Sk	iP		18	07	05	
			Alaska.					
»	1	Ki	i(P)		20	51	31	
»	2	Ki	iP		14	13	08	
		i			14	14	11	
		i(P)			14	19	23	
			Two shocks?					
»	3	Up	eP		15	08	45	
		Ki	iP		15	08	26	
			South of Formosa.					
»	3	Up	iP		18	46	09C	
			P	z'	μ	s		
		Ki	iP		0.1	1.0		
		Sk	iP		18	47	21	
			Near south coast of Greece.					
»	4	Up	i(P)		01	20	19	
»	4	Up	iP		02	15	16D	
		Ki	iP		02	14	51	
»	4	Up	e(P)		15	25	39	
»	5	Ki	iP		03	23	18	
»	5	Up	i(P)		13	02	25	
»	5	Up	eL		14	20		
			M	E	μ	s		
			M	N	0.7	11		
			M	Z	0.7	15		
		Ki	eL		1.3	15		
					μ	s		
			M	E	0.7	10		
			M	N	0.5	11		
			Yugoslavia-Hungary border region.					
»	5	Ki	e(P)		21	04	33	
»	6	Up	ePKP		00	17	16	
		Sk	iPKP		00	17	05	
			South Pacific Ocean.					

1956	Sep	6	Up	e(P)	00	56	13	
»	6	Up	i(P)		02	27	59	
»	6	Up	iP		04	47	30	
»	6	Ki	i(P)		08	30	57	
»	6	Ki	eP		10	49	57	
			Aleutian Islands.					
»	6	Up	iP		11	52	00	
		i			11	52	09	
		iS			11	56	21	
			P	z'	μ	s		
			S	E	0.1	1.0		
			S	N	1.5	10		
			S	N	1.7	10		
			S	Z	1.7	10		
			M	E	9.2	11		
			M	N	5.3	11		
			M	Z	5.1	12		
			$\Delta=2700$ km= $24\frac{1}{2}^\circ$.					
		Ki	iP		11	52	59	
		i			11	53	16	
			M	E	μ	s		
			M	N	1.5	15		
			M	Z	6.8	13		
			M	Z	9.7	12		
		Sk	iP		11	52	37	
		i			11	53	04	
		i			11	53	17	
			Dodecanese Islands region.					
			Magn.=5.6 (Up, Ki).					
»	6	Up	eP		13	04	01	
		i			13	04	13	
		iPP			13	04	35	
		eS			13	08	30	
			PP	z'	μ	s		
			S	N	0.1	1.3		
			S	N	0.5	10		
			M	E	1.5	12		
			M	N	0.7	13		
			M	Z	1.0	12		
			$\Delta=2800$ km= 25° .					
		Ki	eP		13	05	04	
			M	E	μ	s		
			M	E	2.3	15		
			M	N	1.0	12		
			M	Z	1.4	12		
		Sk	iP		13	04	38	
			Dodecanese Islands.					
»	6	Up	eP		15	18	53	
		i			15	19	14	
»	6	Up	e(P)		15	50	10	
»	6	Up	i(P)		15	52	20	
		i(Sg)			15	52	46	

1956	Sep	6	Sk	e(P)	15	52	13	
(cont.)			e(Sg)		15	54	37	
			Local?					
»	6	Ki	iP		17	40	17	
»	6	Up	iP		22	31	26	
»	7	Ki	iPKP		04	12	58	
		Sk	iPKP		04	13	08	
			Fiji Islands region.					
			Intermediate depth (h ~ 250 km).					
»	7	Ki	eP		05	58	32	
		Sk	eP		05	58	40	
»	7	Ki	eL		15	28		
			M	E	μ	s		
			M	N	0.7	17		
			M	N	0.4	13		
»	7	Ki	iP		15	33	05	
»	7	Ki	eP		20	00	11	
»	8	Ki	iP		12	45	30	
			P	z'	μ	s		
					0.1	1.5		
»	8	Up	iP		15	47	18	
		Ki	iP		15	47	28	
		Sk	iP		15	47	44	
»	8	Ki	iP		16	13	30	
			Off south coast of Kamchatka.					
»	8	Up	eP		18	11	53	
		iPP			18	12	13	
		i!			18	15	35	
			M	E	μ	s		
			M	N	1.1	17		
			M	N	1.2	15		
			M	Z	1.8	17		
		Ki	iP		18	10	30	
		iPP			18	10	36	
		eT			18	18	58	
			PP	z'	μ	s		
			M	E	0.1	1.0		
			M	E	3.4	19		
			M	N	2.3	18		
			M	Z	3.2	19		
		Sk	iP		18	11	23	
		iPP			18	11	30	
			Arctic Ocean, west of Spitsbergen.					
»	9	Up	iPKP		01	53	06	
		Sk	ePKP		01	53	00	
			Kermadec Islands region.					
»	9	Up	iPKP		15	38	09	
			PKP	z'	μ	s		
					0.1	1.0		

1956	Sep	9	Ki	iPKP	15	37	59	
(cont.)			i		15	40	40	
			Fiji Islands region.					
			Deep (h ~ 550 km).					
»	9	Up	eP		17	48	35	
			M	E	μ	s		
			M	N	1.2	18		
			M	Z	1.1	20		
			M	Z	1.0	19		
		Ki	iP		17	48	19	
		eS			17	59	06	
			P	z'	μ	s		
			M	E	0.1	1.0		
			M	N	1.9	20		
			M	N	1.1	20		
			M	Z	1.6	19		
		Sk	iP		17	48	41	
			Halmahera.					
			Intermediate depth (h ~ 150 km).					
»	9	Sk	iP		18	01	42	
»	9	Ki	iP		18	17	36	
		i			18	22	12	
		Sk	iP		18	17	57	
»	10	Up			—			
			M	E	μ	s		
			M	N	1.2	19		
			M	N	1.1	20		
			M	Z	1.6	18		
		Ki			—			
			M	E	μ	s		
			M	N	1.1	18		
			M	N	0.6	18		
			M	Z	1.8	20		
		Sk	iPKP		02	27	33	
»	10	Ki	iP		07	15	54	
»	10	Up	iP		10	55	41	
»	10	Up	iP		12	44	14D	
		eSKS			12	54	13	
		iS			12	54	28	
			P	z'	μ	s		
			SKS	E	0.2	1.0		
			SKS	N	0.2	3		
			S	N	0.1	2		
			S	N	0.1	3		
		Ki	iP		12	44	13D	
		i			12	44	28	
		iSKS			12	54	12	
		iS			12	54	26	
			P	z'	μ	s		
			SKS	E	0.3	1.0		
			S	E	0.4	5		
			S	E	0.3	7		
			S	N	0.5	7		

1956 Sep 10 (cont.)	Sk	iP	12	44	27 D
Sumatra. Intermediate depth (h ~ 250 km). Magn.=6.2 (Up, Ki).					
» 10	Up	eSS	14	36	00
			μ	s	
	M	E	1.2	19	
	M	N	0.9	20	
	M	Z	1.6	18	
Ki	eSS		14	35	10
			μ	s	
	M	E	1.8	23	
	M	N	0.9	23	
	M	Z	2.8	24	
Sk	eP		14	17	45
Pacific Ocean, south of Mexico.					
» 10	Up	iP	21	06	40 C
» 11	Up	iPKP	00	11	22
	i		00	11	34
	ePP		00	14	38
			μ	s	
	PKP	N	0.2	6	
	PKP	Z	0.6	6	
	PKP	Z'	0.2	1.0	
	PP	N	0.3	6	
	M	N	0.9	24	
Ki	iPKP		00	11	11
	ePP		00	13	53
	e(PS)		00	24	05
			μ	s	
	PP	N	0.2	7	
	PP	Z	0.4	7	
Sk	e(PKP)		00	11	31
Tonga Islands region.					
» 11	Up	iP	00	12	17
	e(PP)		00	15	50
Ki	iP		00	12	14
	e(PP)		00	15	53
			μ	s	
	P	Z'	0.1	1.5	
	(PP)	N	0.4	4	
Sk	iP		00	12	02
Costa Rica-Panama.					
» 11	Up	e(P)	00	37	34
» 11	Up	iP	01	07	27
» 11	Up	iP	01	13	52 D
» 11	Up	iP	01	18	44
» 11	Up	iP	02	34	44
» 11	Up	ePKP	02	51	54
	ePP		02	54	20
	iPKS		02	55	20

1956 Sep 11 (cont.)	PKP	Z'	μ	s	
	PP	N	0.3	6	
	PP	Z	0.5	7	
	PKS	E	0.4	7	
	PKS	N	0.5	7	
	M	E	1.7	25	
	M	N	2.0	24	
	M	Z	2.1	24	
Ki	iPKP		02	51	40
	ePP		02	53	32
			μ	s	
	PP	N	0.2	7	
	PP	Z	0.4	7	
	M	E	1.0	21	
	M	N	1.2	22	
	M	Z	2.9	23	
Sk	ePKP		02	51	46
Fiji Islands. Magn.=6.3 (Up, Ki).					
» 11	Up	iP	03	47	27
	Ki	eP	03	46	42
» 11	Up	iP	03	57	16 C
» 11	Up	iP	04	20	18
	Ki	iP	04	18	45
	iT		04	23	48
Sk	iP		04	19	22
	iS		04	21	07
$\Delta=1000$ km= 9° . Northeast of Jan Mayen.					
» 11	Up	eP	07	40	21
			μ	s	
	M	E	0.8	12	
	M	N	0.5	13	
Ki	eP		07	41	08
			μ	s	
	M	E	1.5	19	
	M	N	0.7	13	
	M	Z	1.1	12	
Region north of Crete.					
» 11	Up	iP	10	07	20
	eS		10	17	43
			μ	s	
	P	Z	0.4	5	
	S	E	0.8	11	
	S	N	0.4	10	
	M	E	1.5	22	
	M	N	0.7	16	
	M	Z	2.0	23	
Ki	eP		10	07	11
	iS		10	17	36
	e		10	18	39
			μ	s	
	P	E	0.3	7	
	P	N	0.2	6	
	P	Z	0.8	8	

1956 Sep 11 (cont.)	S	E	1.1	8	
	S	N	0.5	8	
	M	E	3.0	20	
	M	N	1.8	19	
	M	Z	3.8	22	
Sk	iP		10	07	01
Guatemala. Intermediate depth (h ~ 100 km). Magn.=6.1 (Up, Ki).					
» 11	Up	iPKS	16	06	59
			μ	s	
	M	N	1.3	24	
	M	Z	1.2	18	
Ki	ePKP		16	03	09
	i		16	03	15
			μ	s	
	PKP	Z'	0.1	1.5	
	M	E	1.7	20	
	M	N	0.8	21	
	M	Z	1.9	22	
New Hebrides.					
» 11	Ki	eP	17	40	02
» 11	Ki	eP	21	03	51
	e		21	05	23
	i		21	05	40
» 11	Up	iP	21	14	43
	iPeP		21	15	16
	ePa		21	18	47
	eS		21	23	15
			μ	s	
	P	Z	0.8	8	
	S	E	1.0	13	
	S	N	0.9	10	
	M	E	11	23	
	M	N	19	23	
	M	Z	25	23	
Ki	$\Delta=7200$ km= 65° . iP		21	13	53
	ePa		21	17	29
	eS		21	21	50
	e		21	22	11
			μ	s	
	P	Z	0.9	9	
	S	E	0.9	9	
	M	E	11	22	
	M	N	6.4	19	
	M	Z	24	25	
Sk	$\Delta=6450$ km= 58° . iP		21	14	30
Kurile Islands. Magn.=6.1 (Up, Ki).					
» 12	Up	i(P)	02	56	22
» 12	Ki	iP	10	32	53
Aleutian Islands.					

1956 Sep 12	Sk	iP	13	38	13
Marianas Islands region.					
» 12	Up	iP	20	10	33
Kurile Islands.					
» 12	Up	iP	22	20	02
» 13	Ki	eP	14	20	05
	Sk	eP	14	20	14
» 13	Ki	iPKP	14	50	04
			μ	s	
	PKP	Z'	0.2	1.8	
	Sk	iPKP	14	50	10
About 800 km south of Tasmania.					
» 13	Sk	iP	14	52	42
Yugoslavia.					
» 13	Up	eP	17	33	20
	Ki	iP	17	33	52
	Sk	iP	17	33	54
» 13	Ki	iP	19	29	44
» 13	Up	iP	20	00	38
	Ki	iP	19	59	46
» 13	Up	iP	21	57	06 C
» 14	Ki	iP	06	29	35
	Sk	iP	06	29	26
Off coast of Chiapas, Mexico.					
» 14	Up	i(P)	14	45	06
Seismic?					
» 14	Up	i(P)	15	23	21
Seismic?					
» 14	Up	i(P)	15	44	43
Seismic?					
» 14	Ki	iP	20	29	16
» 15	Ki	i(P)	10	30	56
Seismic?					
» 15	Up	iP	22	25	14
» 16	Up	iP	08	45	19 C
	iPP		08	46	57
	iS		08	51	33
	i		08	53	59
	i!		08	54	27
			μ	s	
	P	Z	2.7	6	
	P	Z'	0.6	1.2	
	PP	N	1.2	5	
	PP	Z	4.0	5	
	PP	Z'	1.1	1.8	
	S	N	4.8	9	
	M	E	46	12	
	M	N	54	11	

1956 Sep 16 (cont.)	M	z	76	17
	$\Delta = 4650 \text{ km} = 42^\circ$.			
Ki	iP		08	45 30
	iPP		08	47 11
	iS		08	52 02
	eSS		08	55 06
	i		08	55 21
	iScS		08	55 28
	iSSS		08	56 12
	i		08	57 20
	iLg1		09	00 30
	iLg2		09	01 54
		μ	s	
	P	E	1.7	6
	P	N	0.8	6
	P	Z	1.9	6
	P	Z'	0.4	1.0
	PP	E	2.3	6
	PP	N	1.2	6
	PP	Z	2.5	5
	PP	Z'	0.5	1.5
	S	E	4.3	9
	S	N	2.5	10
	M	E	71	10
	M	N	38	11
	M	Z	70	10
	$\Delta = 4900 \text{ km} = 44^\circ$.			
Sk	iP		08	45 34
	i		08	45 45
	iPP		08	47 24
	i		08	47 39
	Afghanistan. Magn.=6.7 (Up, Ki).			
» 16	Ki	iPKP	13	45 23
	Tonga Islands. Intermediate depth (h ~ 200 km).			
» 16	Up	iP	14	31 18
		μ	s	
	M	E	2.4	20
	M	N	1.9	11
	M	Z	3.1	20
Ki	i(P)		14	31 20
	i		14	31 39
	iPP		14	33 16
		μ	s	
	M	E	1.6	11
	M	N	1.6	11
	M	Z	2.5	11
Sk	iP		14	31 45
	Afghanistan.			
» 16	Up	iP	18	12 58
		e(S)	18	17 33
		μ	s	
	(S)	E	0.8	7
	M	E	1.4	11
	M	N	1.0	11
	M	Z	1.0	12
	$\Delta \sim 2750 \text{ km} \sim 25^\circ$.			

1956 Sep 16 (cont.)	Ki	iP	18	14	05
		μ	s		
	M	E	2.1	14	
	M	N	0.9	14	
	M	Z	1.8	14	
Sk	iP		18	13	38
	Aegean Sea.				
» 16	Up	iP	20	36	22
	Near south coast of Kamchatka.				
» 17	Sk	iP	05	36	25
» 17	Up	iP	20	30	59
	Ki	iP	20	30	59
		i	20	31	16
	Sk	iP	20	31	12
	Near north coast of Sumatra. Inter- mediate depth (h ~ 150 km).				
» 18	Ki	e(P)	05	45	46
» 18	Up	iP	09	55	50
	Ki	eP	09	56	29
	Azores Islands.				
» 18	Sk	i(P)	10	34	01
» 18	Up	iP	16	14	18
	Ki	eP	16	13	46
	Off south coast of Honshu, Japan.				
» 19	Up	iP	01	22	00
	Ki	iP	01	21	56
	Sk	iP	01	22	16
	Burma.				
» 19	Up	iP	23	58	07C
		iS	00	06	28
		isS	00	07	22
		μ	s		
	P	Z'	0.6	1.0	
	S	N	0.4	4	
	M	Z	1.4	16	
	$\Delta = 7100 \text{ km} = 64^\circ$.				
Ki	iP		23	58	01C
	ipP		23	58	28
	i		00	02	30
	iS		00	06	18
	esS		00	07	08
		μ	s		
	P	Z'	0.4	1.0	
	S	E	1.8	7	
	S	Z'	0.6	2.5	
	M	E	2.8	17	
	M	N	3.1	21	
	M	Z	4.9	19	
	$\Delta = 7050 \text{ km} = 63\frac{1}{2}^\circ$.				
Sk	iP		23	58	23C
	ipP		23	58	49
	i		23	59	30

1956 Sep 19 (cont.)	eS	00	06	58
	i	00	07	11
	$\Delta = 7400 \text{ km} = 66\frac{1}{2}^\circ$.			
	Burma. h=120 km (Up, Ki, Sk).			
	Magn.=6.3 (Up, Ki).			
» 20	Ki	i(P)	07	18 13
» 20	Up	iP	11	22 05
		μ	s	
	P	Z'	0.1	1.3
	(South Atlantic Ocean).			
» 20	Up	iP	14	05 23
	Ki	iP	14	04 30
		μ	s	
	P	Z'	0.1	1.0
	Sk	iP	14	04 57
	Alaska.			
» 20	Ki	eP	16	12 16
» 20	Up	iPg	16	25 28
		iSg	16	25 32
	Rock-burst in the Dannemora mines, situated about 40 km NNE of Upp- sala.			
» 20	Up	iP	20	16 49C
		i	20	16 56
		μ	s	
	P	N	0.2	2
	P	Z	0.4	2
	P	Z'	0.6	1.3
	M	E	1.0	15
	M	N	1.5	17
	M	Z	2.8	16
Ki	iP		20	15 57C
	i		20	16 27
		μ	s	
	P	Z'	0.3	1.0
	M	E	1.5	16
	M	N	0.7	15
	M	Z	1.7	15
Sk	iP		20	16 33C
	Near south coast of Kamchatka.			
» 20	Up	iP	22	02 39C
		iS	22	11 17
		μ	s	
	P	E	0.3	2
	P	N	1.0	2
	P	Z	2.3	2
	P	Z'	2.7	1.5
	S	E	1.3	10
	S	N	1.2	9
	M	E	5.2	15
	M	N	6.9	17
	M	Z	9.9	16
	$\Delta = 7150 \text{ km} = 64\frac{1}{2}^\circ$.			
Ki	iP		22	01 46C

1956 Sep 20 (cont.)	eS	22	09	43
		μ	s	
	P	Z	1.6	4
	P	Z'	1.2	1.4
	S	E	1.0	13
	M	E	7.4	16
	M	N	3.8	19
	M	Z	7.3	17
	$\Delta = 6350 \text{ km} = 57^\circ$.			
Sk	iP		22	02 22C
	i		22	03 47
	Near south coast of Kamchatka. Magn.=6.9 (Up, Ki).			
» 20	Up	iP	22	11 57
	Ki	iP	22	11 05
» 20	Up	i(P)	23	14 29
		μ	s	
	(P)	Z'	0.1	1.5
	M	E	3.2	19
	M	N	4.0	18
	M	Z	6.6	19
Ki	eP		23	14 52
		μ	s	
	M	E	5.1	23
	M	N	5.2	24
	M	Z	5.6	22
Sk	iP		23	14 23
	i		23	14 37
	Atlantic Ocean.			
» 21	Up	iP	03	45 25C
	Ki	iP	03	44 32
	Near south coast of Kamchatka.			
» 21	Up	iP	05	54 19
	Ki	iP	05	53 26
» 21	Ki	iP	09	00 08
		μ	s	
	M	N	0.9	15
» 21	Up	ePP	09	32 30
	Mexico.			
» 21	Ki	eP	12	45 41
» 21	Ki	eP	14	28 18
» 21	Ki	iP	15	11 39
» 21	Up	iP	18	19 44
		i	18	20 16
	Ki	i(P)	18	18 57
» 21	Up	i(P)	18	46 18
» 21	Ki	iPKP	19	29 30
	Argentina. Deep (h ~ 600 km).			

1956 Sep 21	Up	iP	23	06	46
			μ	s	
	Ki	P	23	05	59
	Sk	iP	23	06	35
		Kurile Islands.			
» 22	Up	iP	03	23	57
		i	03	24	00
	Sk	iP	03	24	39
		Italy.			
» 22	Up	iP	04	01	25C
» 22	Up	ePKP	07	11	35
	Ki	ePKP	07	11	27
		iSKP	07	14	01
	Sk	iPKP	07	11	30
		Fiji Islands region. Deep (h ~ 650 km).			
» 22	Up	iP	14	09	54
	Ki	eP	14	10	03
			μ	s	
	M	E	0.4	11	
	M	N	0.7	13	
	M	Z	0.6	11	
	Sk	eP	14	10	20
		Tadzhik, USSR.			
» 22	Up	iP	16	01	49
		ePP	16	03	09
		e	16	10	47
		iLg2	16	15	23
			μ	s	
	P	Z'	0.2	1.5	
	PP	Z'	0.1	1.4	
	M	E	1.9	15	
	M	N	1.6	9	
	M	Z	3.3	16	
	Ki	iP	16	01	58
		iPP	16	03	34
		e	16	10	41
		eLg1	16	15	55
			μ	s	
	P	Z'	0.2	1.4	
	PP	Z'	0.1	1.2	
	M	E	3.5	11	
	M	N	1.9	7	
	M	Z	3.2	10	
	Sk	iP	16	02	16
		i(PP)	16	04	08
		Tadzhik, USSR. Magn.=5.8 (Up, Ki).			
» 22	Up	iP	18	29	24
		i(pP)	18	29	36
			μ	s	
	P	Z'	0.1	1.0	
	M	E	0.9	17	
	M	N	0.8	17	

1956 Sep 22 (cont.)	Ki	M	Z	1.1	16
		iP		18	28
		i(pP)		18	28
			μ	s	
	P	Z'	0.1	1.0	
	M	E	1.4	17	
	M	N	0.7	18	
	M	Z	1.4	18	
	Sk	iP	18	29	12D
		i(pP)	18	29	25
		Kurile Islands.			
» 22	Up	e(P)	23	19	19
» 23	Up	iPg	02	09	12
		iSg	02	09	16
			μ	s	
	Sg	Z'	0.2	0.8	
		Rock-burst in the Dannemora mines, situated about 40 km NNE of Upp- sala.			
» 23	Up	iP	02	54	13
» 23	Up	iP	03	13	13
		i(pP)	03	13	26
	Ki	iP	03	12	26
			μ	s	
	P	Z'	0.1	1.0	
	Sk	iP	03	13	02D
		Kurile Islands.			
» 23	Up	iP	10	54	17
» 23	Up	iP	15	51	39
	Sk	iP	15	51	27
» 24	Sk	e(P)	00	31	30
» 24	Up	eL	07	06	
			μ	s	
	M	N	1.0	22	
	M	Z	2.2	25	
	Ki	eL	07	01	
			μ	s	
	M	E	1.3	20	
	M	N	0.8	20	
		Samoa Islands.			
» 24	Up		—		
			μ	s	
	M	N	1.1	21	
	M	Z	1.7	20	
	Ki	iPKP	07	21	25
			μ	s	
	M	E	1.1	20	
	M	N	1.2	24	
	Sk	iPKP	07	21	40
		Fiji Islands region.			
» 24	Up	iP	10	28	33

1956 Sep 24 (cont.)	iPP		10	30	10
	iS		10	34	55
	i		10	37	31
	eSS		10	38	09
			μ	s	
	P	E	0.2	2	
	P	Z	0.6	3	
	P	Z'	0.4	1.4	
	PP	E	1.1	4	
	PP	N	0.4	4	
	PP	Z	0.9	4	
	PP	Z'	0.4	1.2	
	S	E	0.4	4	
	S	N	0.6	5	
	M	E	11	20	
	M	N	9.1	11	
	M	Z	13	19	
	$\Delta=4750$ km=	43° .			
Ki	iP		10	28	46
	iPP		10	30	28
	i		10	31	26
	iSS		10	38	26
	eLg1		10	43	58
	eLg2		10	44	52
			μ	s	
	P	Z'	0.2	1.5	
	PP	Z'	0.3	1.5	
	M	E	9.7	10	
	M	N	6.8	11	
	$\Delta=4950$ km=	$44\frac{1}{2}^\circ$.			
Sk	iP		10	29	01
	i		10	29	33
	iPP		10	30	56
Afghanistan.					
Magn.=6.2 (Up, Ki).					
» 24	Sk	iP	14	47	32
» 24	Up	iP	18	02	47
» 25	Up	iPKP	02	20	39
Kermadec Islands region.					
» 25	Up	eP	16	33	07
	Sk	iP	16	33	38
Pakistan-Afghanistan border.					
» 25	Up	iP	18	40	17
	Sk	iP	18	40	02
Costa Rica-Panama.					
» 25	Up	iP	20	50	50
	Sk	iP	20	51	32
Yugoslavia.					
» 26	Up	eP	00	34	18
» 26	Up	eP	02	29	28
» 26	Up	iP	05	16	09
			μ	s	
	P	Z'	0.1	1.5	

1956 Sep 26 (cont.)	Ki	eP	05	15	33
			μ	s	
	M	E	1.7	19	
	M	N	1.0	15	
	Sk	iP	05	16	05
		Off south coast of Honshu, Japan.			
» 26	Up	iP	13	11	17D
	Ki	eP	13	11	48
	Sk	iP	13	11	51
» 26	Up	iP	13	57	36C
		ipP	13	58	08
			μ	s	
	P	Z'	0.4	0.8	
	Ki	iP	13	56	42
			μ	s	
	P	Z'	0.1	0.8	
	Sk	iP	13	57	16
		Aleutian Islands. h=130 km (Up).			
» 27	Ki	e(Sg)	14	11	13
	Sk	e(Sg)	14	12	23
		Local?			
» 27	Ki	e(Sg)	14	18	03
	Sk	i(Sg)	14	18	32
		Local?			
» 27	Ki	eP	15	38	35
	Sk	iP	15	37	42
» 27	Up	iP	19	25	56
» 27	Up	iP	19	33	30D
» 27	Up	e(P)	23	01	30
» 28	Up	i(P)	04	57	43
	Ki	iP	04	57	27
» 28	Ki	eP	05	03	56
	Sk	iP	05	04	29
» 28	Ki	iP	06	47	31
» 28	Ki	iP	12	34	55
» 28	Up	eP	15	05	48
			μ	s	
	P	Z'	0.1	1.3	
	Ki	iP	15	04	12C
		i!	15	04	18
			μ	s	
	P	Z'	0.2	1.4	
	M	E	0.8	14	
	M	N	0.5	15	
	M	Z	1.2	14	
	Sk	iP	15	05	03
		i!	15	05	08

1956 Sep 28 (cont.)	i	15	05	30
Off west coast of Spitsbergen.				
» 28	Ki e(P)	17	16	15
» 29	Ki eP	04	08	18
Northern Celebes. Deep (h ~ 300 km).				
» 29	Sk iP	07	16	26
» 29	Up iP	09	15	34
	i!	09	15	42
	P	μ	s	
	i!	z'	0.1	1.0
	M	z'	0.5	1.2
	M	E	3.7	19
	M	N	3.8	21
	M	Z	5.5	21
Ki	iP	09	15	34
	i!	09	15	42
	iS	09	25	30
	P	μ	s	
	i!	z'	0.1	1.0
	S	z'	0.4	1.5
	M	N	1.4	7
	M	E	5.3	19
	M	N	5.5	22
	M	Z	6.7	18
Sk	eP	09	15	47
	i!	09	15	57
Nicobar Islands. Magn.=6.3 (Up, Ki).				
» 29	Up iP	15	34	59
	Ki iP	15	34	59
» 29	Up iP	21	32	14
	P	μ	s	
	M	z'	0.3	1.0
Ki	iP	21	31	33
	P	μ	s	
	M	z'	0.2	0.9
	M	E	3.4	20
	M	N	2.2	15
	M	Z	3.8	16
Sk	iP	21	32	07
Honshu, Japan. Magn.=6.2 (Up, Ki).				
» 29	Ki iP	22	36	02
Off north coast of Halmahera.				
» 29	Up iPn	23	03	47
	e	23	05	47
	iSg	23	06	38
	Sg	μ	s	
		z'	0.2	1.2
	$\Delta=1060$ km=9.5°.			
Ki	iPn	23	02	16

1956 Sep 29 (cont.)	iPg	23	02	23
	i	23	02	35
	iSg	23	03	07
	i	23	03	21
	Pn	μ	s	
	Pg	z'	0.1	0.5
	Sg	z'	0.2	1.0
	M	z'	0.5	1.0
	M	N	1.5	10
	M	Z	2.8	9
$\Delta=340$ km=3.1°.				
Sk	iPn	23	02	51
$\Delta=620$ km=5.6°.				
Off coast of northern Norway, 69.3°N, 13.1°E. Origin time=23 01 25.				
» 29	Up iP	23	32	22C
	iPP	23	35	06
	P	μ	s	
	P	N	0.4	1.0
	P	Z	2.0	1.0
	P	z'	2.2	1.2
	PP	z'	0.3	1.3
$\Delta=8050$ km=72½°.				
Ki	iP	23	31	44C
	i	23	31	53
	iPP	23	34	09
	P	μ	s	
	PP	z'	0.9	1.0
	M	z'	0.3	1.2
	M	E	3.4	18
	M	N	1.9	23
	M	Z	2.7	20
$\Delta\sim 7350$ km=66°.				
Sk	iP	23	32	17C
	i	23	32	26
Honshu, Japan. Deeper than normal. Magn.=7.0 (Up, Ki).				
» 30	Up iP	04	47	57
» 30	Up iP	10	21	15
Off south coast of Hokkaido, Japan.				
» 30	Sk i(P)	13	53	23
» 30	Sk i(P)	14	09	35
» 30	Up iP	14	55	01C
	Ki iP	14	54	34
	Sk iP	14	54	59
Marianas Islands. Intermediate depth (h ~ 100 km).				
Oct 1	Up i(P)	00	12	56
» 1	Up iP	11	57	55
» 1	Up iP	18	16	35

1956 Oct 1 (cont.)	P	μ	s	
	Ki iP	0.1	0.7	
		18	16	31
	P	μ	s	
	Sk iP	0.1	1.2	
	Jamaica.	18	16	17
» 2	Ki e(P)	02	26	28
	i(Sg)	02	27	24
Local?				
» 2	Ki eP	13	03	13
» 2	Up iP	15	06	51C
	i	15	06	59
	ipP	15	07	09
	iS	15	15	18
	P	μ	s	
	P	N	0.3	2
	P	Z	1.1	3
	P	z'	0.9	1.5
	S	N	0.5	5
	M	E	4.1	25
	M	N	2.8	25
	M	Z	3.5	22
$\Delta=7100$ km=64°.				
Ki	iP	15	05	58
	iPeP	15	06	57
	iS	15	13	36
	P	μ	s	
	M	z'	0.1	1.0
	M	E	3.2	22
	M	N	2.9	24
	M	Z	2.6	22
$\Delta=6200$ km=56°.				
Sk	iP	15	06	36C
	iPeP	15	07	01
$\Delta=6900$ km=62°.				
Near southeast coast of Kamchatka. h ~ 70 km (Up). Magn.=6.3 (Up, Ki).				
» 3	Up iPKP	08	37	05
	i	08	38	15
Northern Chile. Intermediate depth (h ~ 150 km).				
» 3	Ki iPKP	15	12	20
Off south coast of South Island, New Zealand.				
» 3	Up iPKP	21	39	07
	Sk iPKP	21	38	39
	i	21	39	12
South of Fiji Islands.				
» 3	Up iP	23	50	07
	Ki iP	23	49	31
Sea of Japan. Deep (h ~ 500 km).				
» 4	Up eP	02	42	44

1956 Oct 4	Up iP	02	55	49C
	Ki iP	02	56	59
Aegean Sea.				
» 4	Up iSg	14	24	59
	Ki e	14	27	01
	i(Sg)	14	27	48
	Sk eSg	14	26	54
The Gulf of Finland. Origin time=14 22 55.				
» 4	Up iSg	14	32	46
	Ki e(Sg)	14	35	29
	Sk eSg	14	34	43
The Gulf of Finland. Origin time=14 30 43.				
» 4	Up eSn	14	40	56
	eSg	14	41	15
$\Delta=420$ km=3.8°.				
Ki	eSg	14	43	47
$\Delta=930$ km=8.4°.				
Sk	eSg	14	43	09
$\Delta=800$ km=7.2°.				
The Gulf of Finland, 59.7°N, 25.0°E. Origin time=14 39 09.				
» 4	Up iP	17	28	16
	Ki iP	17	28	41
	Sk iP	17	27	57
Near coast of Oaxaca, Mexico.				
» 4	Up iP	20	14	49
Off west coast of Luzon.				
» 5	Up iSg	11	07	54
	Sk iSg	11	09	50
The Gulf of Finland. Origin time=11 05 50.				
» 5	Up iP	18	30	35
» 5	Up iPKP	22	02	16D
	Ki iPKP	22	02	01
	PKP	μ	s	
	Sk iPKP	z'	0.1	0.9
New Hebrides Islands. Intermediate depth (h ~ 100 km).				
» 5	Ki i(P)	23	56	57
» 6	Ki iP	06	29	17
	P	μ	s	
		z'	0.1	1.1
Molucca Passage.				
» 6	Up			
	M	N	1.5	17
	M	Z	1.4	17

1956	Oct 6	Ki	iP	07	30	59
(cont.)			i	07	31	22
			iT	07	36	23
			i	07	36	55
				μ	s	
		M	E	1.7	19	
		M	N	1.2	18	
		M	Z	3.4	18	
	Sk	iP		07	31	33
		i		07	31	41
		iS		07	33	21
				$\Delta=1050$ km= $9\frac{1}{2}^\circ$.		
				Arctic Ocean.		
»	6	Up	iP	15	33	30
		Ki	iP	15	32	37
				Near east coast of Kamchatka.		
»	7	Up	iP	01	45	53
		Ki	eP	01	45	19
				Sea of Japan.		
»	7	Up	iPKP	19	53	33
				μ	s	
		PKP	z'	0.1	1.0	
				Fiji Islands region.		
				Intermediate depth (h ~ 200 km).		
»	7	Up		—		
				μ	s	
		M	E	1.3	24	
		M	N	1.1	21	
		M	Z	1.6	22	
	Ki	ePKP		21	46	35
	Sk	iPKP		21	46	48
				New Hebrides Islands.		
				Intermediate depth (h ~ 100 km).		
»	8	Ki	iP	04	42	09
				μ	s	
		P	z'	0.1	1.1	
	Sk	iP		04	42	36
				Marianas Islands region.		
»	8	Ki	iP	05	08	02
»	8	Up	eL	16	10	
				μ	s	
		M	N	1.6	20	
		M	Z	1.7	20	
	Ki	eL		16	06	
				μ	s	
		M	E	2.0	23	
		M	N	1.4	20	
		M	Z	3.7	22	
				Tonga Islands.		
»	9	Ki	eP	17	03	49
		Sk	iP	17	04	23
				Marianas Islands.		

1956	Oct 9	Up	i(P)	23	57	40
»	10	Up	e(Sg)	00	44	54
			Local?			
»	10	Up	i(P)	01	16	56
		Sk	iP	01	16	49
»	10	Sk	i(P)	10	02	46
»	10	Up	iP	15	40	41 D
		i		15	40	47
				μ	s	
		P	z'	0.4	1.0	
		M	E	2.2	17	
		M	N	1.6	18	
	Ki	iP		15	40	49 D
		i		15	40	54
				μ	s	
		P	z'	0.3	0.9	
	Sk	iP		15	41	05 D
		i		15	41	10
				Northern India.		
				Magn.=6.4 (Up, Ki).		
»	10	Ki	e(Sg)	16	24	09
			Local?			
»	10	Up	i(P)	19	17	35
»	10	Up	eP	22	20	13
»	10	Ki	e(Sg)	23	12	01
			Local?			
»	11	Up	iP	00	19	51
»	11	Up	iP	02	35	23 C
		ipP		02	35	52
		i		02	36	33
		i		02	40	08
		iS		02	44	08
		i(sS)		02	45	10
		eP'P'		03	03	30
		i		03	03	42
		i		03	04	14
				μ	s	
		P	E	5.4	6	
		P	N	8.9	6	
		P	Z	19	6	
		P	z'	2.8	0.9	
		S	E	22	10	
		S	N	16	12	
		M	E	85	18	
		M	N	150	24	
		M	Z	130	23	
				$\Delta=7650$ km= 69° .		
	Ki	iP		02	34	35 C
		ipP		02	35	03
		isP		02	35	18
		iS		02	42	41

1956						
Oct 11		i	02	43	17	
(cont.)		iScS	02	44	15	
		iSS	02	46	48	
		eP'P'	03	03	45	
		i	03	04	30	
			μ	s		
		P	E	10	7	
		P	N	14	7	
		P	Z	34	7	
		P	z'	2.0	1.0	
		S	E	20	7	
		S	N	10	8	
		S	Z	20	12	
		M	E	120	16	
		M	N	140	23	
		M	Z	100	20	
		$\Delta=6800$ km=	$61\frac{1}{2}^\circ$.			
Sk		iP	02	35	11 C	
		ipP	02	35	38	
		i	02	37	14	
		Kurile Islands. h=110 km (Up, Ki, Sk).				
		Magn.=7.3 (Up, Ki).				
»	11	Up	iP	02	55	10
		Sk	iP	02	55	06
		(Kurile Islands).				
»	11	Up	iP	03	12	13
		Sk	i(P)	03	10	36
»	11	Up	iP	05	24	18
»	11	Up	e(P)	05	48	49
»	11	Up	iP	17	00	36
		iS	17	10	12	
		i	17	10	19	
			μ	s		
		P	z'	0.6	1.2	
		S	E	1.8	7	
		S	N	2.1	6	
		M	E	11	24	
		M	N	15	22	
		M	Z	18	23	
		$\Delta=8400$ km=	$75\frac{1}{2}^\circ$.			
Ki		iP	16	59	55	
		i	17	00	46	
		iS	17	09	05	
		eP'P'	17	28	12	
		i	17	30	49	
			μ	s		
		P	Z	2.3	5	
		P	z'	0.5	1.6	
		S	E	3.8	8	
		S	N	4.4	14	
		M	E	12	17	
		M	N	7.0	16	
		M	Z	17	17	
		$\Delta=7800$ km=	70° .			

1956	Oct 11	Sk	iP	17	00	06
(cont.)				Off Cape Mendocino, California.		
				Magn.=6.6 (Up, Ki).		
»	11	Up	iP	20	00	58
»	11	Up	iPKP	21	15	43
				μ	s	
			PKP	z'	0.1	0.6
		Ki	iPKP	21	15	15
		Sk	iPKP	21	15	44
				South Pacific Ocean.		
»	12	Sk	e(P)	00	55	29
»	12	Up	eL	03	17	
				μ	s	
		M	E	2.7	25	
		M	N	1.7	19	
		M	Z	5.7	23	
	Ki	eL		03	22	
				μ	s	
		M	E	2.7	19	
		M	N	1.4	22	
				Near coast of Peru.		
»	12	Up	iP	12	33	54 C
		i		12	34	06
				μ	s	
		P	z'	0.4	0.9	
		M	E	5.3	17	
		M	N	4.8	18	
		M	Z	8.1	18	
	Ki	iP		12	33	10 C
		i		12	33	23
				μ	s	
		P	z'	0.3	1.0	
		M	E	5.2	22	
		M	N	3.6	19	
		M	Z	6.0	17	
	Sk	iP		12	33	45
				Near southeast coast of Hokkaido, Japan.		
				Deeper than normal.		
				Magn.=6.4 (Up, Ki).		
»	12	Up	iP	13	33	00 D
		Ki	eP	13	32	16
				Near southeast coast of Hokkaido, Japan.		
»	13	Ki	eP	04	59	03
				Off north coast of South America.		
»	13	Ki	eP	05	16	58
				μ	s	
			P	z'	0.6	1.1
				Western Venezuela.		
»	13	Up	iP	08	28	50 D
		i(pP)		08	29	20

1956						
Oct 19		M	z	7.3	19	
(cont.)	Ki	eL		15	22	
				μ	s	
		M	E	3.8	20	
		M	N	3.6	19	
		M	z	5.8	18	
		South Pacific Ocean.				
» 19	Ki	e(P)		20	53	04
» 19	Up	iP		20	58	27
		i		20	59	22
		iS		21	07	00
				μ	s	
		P	z'	0.7	1.2	
		S	E	3.9	6	
		S	N	2.6	6	
		M	E	11	17	
		M	N	14	20	
		M	z	19	21	
		$\Delta = 7500 \text{ km} = 67^\circ$.				
	Ki	iP		20	57	34
		iS		21	05	34
		iSS		21	09	38
				μ	s	
		P	z'	0.3	1.2	
		S	E	8.1	11	
		S	N	2.4	9	
		M	E	20	17	
		M	N	7.6	16	
		M	z	25	17	
		$\Delta = 6600 \text{ km} = 59^\circ$.				
		Aleutian Islands.				
		Magn. = 6.6 (Up, Ki).				
» 19	Up	iP		21	38	44
	Ki	iP		21	37	50
		Aleutian Islands.				
» 20	Up	iP		03	42	30
				μ	s	
		P	z'	0.1	1.0	
	Ki	iP		03	41	37 C
				μ	s	
		P	z'	0.1	1.0	
		Aleutian Islands.				
» 20	Up	iP		04	36	43
» 20	Up	iPKP		06	51	10 D
		i		06	51	22
		Kermadec Islands region.				
» 21	Up	i(P)		13	12	02
» 21	Ki	iP		22	53	01
» 22	Ki	e(Sg)		04	33	01
		Local?				
» 22	Ki	eP		07	36	19
		Aleutian Islands.				

1956	Oct 22	Up	iP	07	42	24
» 22	Up	i		12	54	22
				μ	s	
		M	E	3.1	26	
		M	N	4.2	23	
		M	Z	3.5	20	
		Ki		—		
				μ	s	
		M	E	6.9	22	
		M	N	2.8	20	
		M	Z	6.1	20	
				Near southeast coast of New Guinea.		
» 23	Up	iP		08	51	25
				μ	s	
		P	z'	0.1	0.8	
» 23	Up	iP		08	53	49
		i		08	54	06
		ipP		08	54	14
		iS		09	04	13
		ipS		09	04	36
		i		09	05	36
				μ	s	
		P	z'	0.3	0.8	
		S	N	1.2	9	
		M	E	6.6	20	
		M	N	5.2	25	
		M	Z	7.0	20	
		Ki		08	53	31
		ipP		08	53	53
		iPP		08	56	51
		iS		09	03	37
				μ	s	
		P	z'	0.2	0.9	
		PP	z'	0.9	2.5	
		S	N	1.6	12	
		M	E	9.2	22	
		M	N	6.2	21	
		M	Z	11	20	
				$\Delta = 9300 \text{ km} = 83\frac{1}{2}^\circ$.		
				Mindoro Island, Philippine Islands.		
				h = 90 km (Up, Ki).		
				Magn. = 6.2 (Up, Ki).		
» 23	Up	iP		10	44	03
	Ki	iP		10	43	39
				Off southeast coast of Formosa.		
» 23	Up	e(Pg)		11	47	29
		eSg		11	48	18
		Local.				
» 24	Up	i(P)		01	16	34
	Ki	iP		01	16	06
				Marianas Islands region.		
» 24	Ki	iP		01	27	00
» 24	Up	e(P)		05	53	18

1956	Oct 24	Up	iP	09	55	38 C
				μ	s	
		P	z'	0.1	0.7	
» 24	Up	iP		13	12	06
				μ	s	
		P	z'	0.1	0.9	
» 24	Up	iP		14	54	56
		i		14	55	11
		iPP		14	58	23
		eSKS		15	05	29
		eS		15	05	39
				μ	s	
		P	z'	0.1	1.2	
		PP	E	1.3	6	
		PP	Z	4.1	8	
		PP	z'	0.3	1.4	
		M	E	89	23	
		M	N	32	18	
		M	Z	130	24	
				$\Delta = 9650 \text{ km} = 87^\circ$.		
		Ki		14	54	49
		iP		14	55	00
		iI		14	55	24
		iPP		14	58	11
		eS		15	05	16
				μ	s	
		P	E	1.6	7	
		P	Z	3.6	8	
		P	z'	0.1	0.9	
		iI	z'	0.4	1.7	
		i2	z'	1.0	2.2	
		PP	Z	2.7	7	
		S	E	5.3	10	
		M	E	130	19	
		M	N	52	18	
		M	Z	140	19	
				$\Delta = 9500 \text{ km} = 85\frac{1}{2}^\circ$.		
				Near coast of Nicaragua.		
				Magn. = 7.1 (Up, Ki).		
» 25	Up			—		
				μ	s	
		M	E	6.8	24	
		M	N	2.6	18	
		M	Z	9.5	24	
		Ki	eP	05	34	09
				μ	s	
		M	E	9.3	18	
		M	N	4.8	17	
		M	Z	11	18	
				Near coast of Nicaragua.		
				Magn. = 6.3 (Up, Ki).		
» 25	Up	i(P)		09	26	43
				μ	s	
		(P)	z'	0.1	0.9	
» 25	Up	iP		12	31	48
				μ	s	
		P	z'	0.1	0.8	

1956	Oct 26	Up	i(P)	04	45	34
» 26	Up	iP		09	08	45
	Ki	iP		09	08	29
				Banda Sea. Intermediate depth (h ~ 200 km).		
» 26	Up	iPKP		23	09	31
		iPKS		23	12	53
		ePPS		23	23	27
				μ	s	
		PKP	z'	0.1	1.0	
		M	E	7.2	21	
		M	N	12	22	
		M	Z	20	22	
				$\Delta \sim 14350 \text{ km} \sim 129^\circ$.		
		Ki	iPKP	23	09	17
		i		23	09	21
				μ	s	
		PKP	z'	0.2	1.0	
		M	E	11	25	
		M	N	4.7	21	
		M	Z	13	20	
				$\Delta \sim 13550 \text{ km} \sim 122^\circ$.		
				New Hebrides Islands.		
				Magn. = 6.5 (Up, Ki).		
» 27	Up	iP		00	54	38 D
				μ	s	
		P	z'	0.1	1.0	
		Ki	iP	00	54	16
				Kansu Province, China.		
» 27	Up	i(P)		05	45	21
» 27	Ki	iP		23	12	44
		e		23	17	49
		e		23	18	05
» 28	Up	iPKP		03	14	17
				Fiji Islands.		
				Deep (h ~ 400 km).		
» 28	Up	iPKP		03	48	26
		i		03	48	32
		iPP		03	52	16
		i		04	02	51
		iPPS		04	05	24
				μ	s	
		PKP	z'	1.0	1.0	
		PP	Z	1.5	4	
		M	E	11	24	
		M	N	21	25	
		M	Z	29	24	
		Ki	iPKP	03	48	10
		i		03	49	08
		i		03	53	08
				μ	s	
		PKP	z'	1.1	2.0	
		M	E	18	24	
		M	N	11	22	

1956						
Oct. 28		M	z	17	22	
(cont.)		Kermadec Islands.				
		Magn.=6.8 (Up, Ki).				
» 28	Up	iPKP		05	42	52 D
		iPKP2		05	43	13
		Kermadec Islands region.				
» 28	Ki	e(P)		06	22	51
» 28	Up	iP		10	57	46
		i		10	58	25
		iPP		11	00	54
				μ	s	
		P	z'	0.9	1.5	
		M	E	3.5	18	
		M	N	9.5	21	
	Ki	iP		10	57	29
		i		10	57	34
		e		11	08	20
				μ	s	
		P	z'	0.5	1.4	
		M	E	8.3	21	
		M	N	9.0	22	
		M	Z	14	21	
		Luzon, Philippine Islands.				
		Magn.=6.4 (Up, Ki).				
» 28	Up	eP		13	40	13
		Luzon, Philippine Islands.				
» 28	Up	i(P)		18	56	19
» 29	Up	e(P)		07	40	33
				μ	s	
		M	E	2.8	18	
	Ki	eP		07	41	26
				μ	s	
		M	E	3.8	16	
		M	N	2.4	14	
		M	Z	3.0	13	
		Dodecanese Islands.				
» 29	Ki	eP		13	52	08
		Near north coast of Iceland.				
» 29	Ki	iP		16	24	39
				μ	s	
		M	E	1.4	12	
		M	N	1.9	14	
		M	Z	2.2	17	
		Near north coast of Iceland.				
» 29	Ki	i(P)		21	31	55
» 29	Up	iPKP		22	52	48
		i		22	56	49
	Ki	ePKP		22	52	31
		i		22	55	43
		Tonga Islands region.				
		Intermediate depth (h ~ 200 km).				

1956	Oct 30	Up	—			
			μ	s		
		M	E	1.8	14	
		M	N	2.1	17	
		M	Z	1.7	16	
	Ki	iP		00	14	33
		i		00	14	42
		iS		00	17	14
			μ	s		
		P	z'	0.2	1.0	
		M	E	1.8	12	
		M	N	2.2	13	
		M	Z	4.3	18	
				$\Delta=1650$ km=15°.		
				Near north coast of Iceland.		
»	30	Up	iP	00	54	35
		Ki	iP	00	54	12
						Off north coast of Panay, Philippine Islands.
»	30	Ki	i	03	13	45
			Seismic?			
»	30	Up	i	03	18	22
			i(Sg)	03	18	59
			Local?			
»	30	Up	i(P)	10	06	57
»	30	Ki	i(P)	22	57	05
»	31	Ki	iP	01	09	08
»	31	Up	iP	14	11	30 D
			iPP	14	13	11
			iS	14	17	37
			μ	s		
		P	z'	0.7	1.3	
		PP	E	4.3	12	
		PP	Z	4.1	10	
		S	E	8.6	12	
		S	N	11	11	
		M	E	23	15	
		M	N	31	14	
		M	Z	22	12	
				$\Delta=4550$ km=41°.		
	Ki	iP		14	12	05
		iPP		14	13	53
		iS		14	18	47
		i(SS)		14	21	59
		i		14	22	26
			μ	s		
		P	z'	0.8	1.0	
		PP	E	2.2	6	
		PP	N	1.9	6	
		PP	z'	1.3	1.5	
		S	E	5.5	6	
		S	N	9.5	13	
		M	E	75	15	
		M	N	33	14	

1956	Oct 31	M	z	53	13	
(cont.)				$\Delta=5050$ km=45 1/2°.		
				Southern Iran.		
				Magn.=6.7 (Up, Ki).		
»	31	Up	iP	14	30	09
			i	14	32	05
			iS	14	36	22
			μ	s		
		P	z'	0.3	1.0	
				$\Delta=4600$ km=41 1/2°.		
	Ki	iP		14	30	43 C
			μ	s		
		P	z'	0.4	1.0	
				Southern Iran.		
»	31	Ki	eP	17	40	50
»	31	Up	iP	22	31	40
			μ	s		
		P	z'	0.1	0.7	
	Ki	iP		22	31	38
			μ	s		
		P	z'	0.1	1.0	
				Northeastern India.		
»	31	Up	iP	23	40	36
		Ki	eP	23	41	07
				Southern Iran.		
Nov	1	Up	iP	06	00	21
			μ	s		
		P	z'	0.2	0.9	
	Ki	iP		06	00	54
			i	06	01	13
			μ	s		
		P	z'	0.2	1.0	
				Southern Iran.		
»	1	Ki	i(P)	07	19	18
			Seismic?			
»	1	Up	iP	10	49	38
»	1	Ki	e(P)	14	35	37
»	1	Ki	iP	16	22	27
»	1	Ki	i(P)	17	36	04
»	1	Ki	eP	17	40	33
				Kamchatka.		
»	1	Up	e(Sg)	22	43	25
			Local?			
»	2	Up	e(Sg)	00	47	48
			Local?			
»	2	Up	e(Pg)	01	07	25
			e(Sg)	01	07	45
			Local?			

1956	Nov 2	Up	i(P)	14	19	18
»	2	Up	iP	16	09	16 D
			i	16	09	21
			iS	16	13	12
			μ	s		
		P	N	0.6	3	
		P	Z	0.8	3	
		P	z'	0.3	0.6	
		S	N	0.7	4	
		M	E	6.6	17	
		M	N	2.5	9	
		M	Z	2.7	9	
				$\Delta=2350$ km=21°.		
	Ki	iP		16	10	31
		iPP		16	11	09
			μ	s		
		P	z'	0.1	1.3	
		M	E	3.8	12	
		M	N	2.3	12	
		M	Z	3.6	12	
				Greece. Magn.=5.9 (Up, Ki).		
»	3	Up	iP	02	32	20
»	3	Up	iP	05	35	55 C
		Ki	iP	05	35	01
			μ	s		
		P	z'	0.1	0.8	
				Southern Yukon, Canada.		
»	3	Up	iP	10	14	41
			i	10	15	33
			μ	s		
		P	z'	0.2	1.1	
	Ki	iP		10	13	48
			μ	s		
		P	z'	0.2	1.0	
				Near south coast of Kamchatka.		
»	3	Up	iPKP	18	20	38
			μ	s		
		PKP	z'	0.1	0.8	
	Ki	ePKP		18	20	12
		iSKP		18	23	12
				South of Fiji Islands.		
				Deep (h ~ 500 km).		
»	4	Up	iP	00	50	13
»	4	Up	iP	01	27	21
			iPP	01	27	35
		Ki	eP	01	28	50
			i	01	34	36
				Rumania. Intermediate depth (h ~ 125 km).		
»	4	Up	iP	05	48	44 C
			i	05	49	00
			μ	s		
		P	z'	0.1	0.6	

1956	Nov 4	Ki	iP	05	48	08
(cont.)			μ	s		
		P	z'	0.1	0.6	
				Near east coast of Honshu, Japan.		
»	4	Up	iPKP	07	25	05
			i	07	25	41
			μ	s		
		PKP	z'	0.1	0.8	
		M	E	2.2	24	
		M	N	5.5	23	
		M	Z	7.3	23	
	Ki	iPKP		07	24	47
		i		07	25	16
		iPKS		07	28	31
			μ	s		
		PKS	z'	1.6	2.5	
				Tonga Islands.		
				Magn.=6.4 (Up).		
»	4	Up	iP	21	50	49 D
		Ki	iP	21	49	57 D
			μ	s		
		P	z'	0.1	1.0	
				Yukon, Canada.		
»	4	Ki	iP	22	30	29
»	5	Up	i(P)	12	59	05
		Ki	iP	12	58	33
»	5	Up	i(P)	18	26	23 C
			iSg	18	26	54
			Local.			
»	5	Ki	eP	19	50	16
				The Alps, in the Italy-Austria border region.		
»	6	Ki	iP	14	26	39
			μ	s		
		P	z'	0.1	1.5	
				Banda Sea.		
»	6	Ki	iP	19	02	50
»	6	Up	iP	23	25	22
				Aleutian Islands.		
»	7	Ki	i(P)	05	56	51
»	7	Up	i(Sg)	12	24	29
			μ	s		
		(Sg)	z'	0.2	0.5	
				Local?		
»	7	Up	i(Sg)	13	43	32
			μ	s		
		(Sg)	z'	0.1	0.5	
				Local?		

1956 Nov 7	Up	iP	16	42	55C
			μ	s	
	Ki	P	0.1	0.6	
		eP	16	42	43
		i	16	42	47
			μ	s	
	Sk	P	0.1	0.6	
		iP	16	43	09
» 7	Up	iP	17	14	56D
	Ki	iP	17	15	31
	Sk	iP	17	15	32
	Northeastern Iran.				
» 7	Ki	i(P)	19	48	33C
		(P)	μ	s	
			0.1	1.0	
» 8	Up	iPKP	04	04	19C
	Ki	iPKP	04	04	09
	Sk	ePKP	04	04	13
	Fiji Islands region. Deep (h ~ 550 km).				
» 8	Ki	iP	07	37	38
» 8	Up	i(Sg)	10	18	46
		(Sg)	μ	s	
			0.2	0.5	
	Local?				
» 8	Up	i(Sg)	11	52	22
		(Sg)	μ	s	
			0.1	0.5	
	Local?				
» 8	Ki	i(P)	15	03	34
» 8	Up	i	16	11	30
		i	16	25	24
			μ	s	
		M	1.3	20	
		M	3.2	22	
	Ki	iP	15	57	42
			μ	s	
		M	1.6	18	
		M	2.4	22	
	Mindanao, Philippine Islands.				
» 8	Up	i(PKP)	17	24	47
	Sk	e(PKP)	17	24	52
	South Pacific Ocean.				
» 8	Up	iP	23	02	40
» 9	Up	iP	06	09	38
	Ki	iP	06	10	04
			μ	s	
		P	0.2	1.0	
	Sk	iP	06	09	27
	North Atlantic Ocean.				

1956 Nov 9	Ki	i(P)	11	08	06
» 9	Up	iP	13	18	38D
		ipP	13	19	16
		iS	13	28	49
		i	13	29	03
		isS	13	29	46
			μ	s	
		P	5.2	5	
		P	0.3	0.5	
		S	7.4	9	
		S	N	4.4	10
		M	E	6.5	22
		M	N	6.7	23
		M	Z	9.6	21
	$\Delta = 9450 \text{ km} = 85^\circ$.				
	Ki	iP	13	18	25
		ipP	13	19	05
		isP	13	19	28
		iS	13	28	34
		isS	13	29	23
			μ	s	
		P	2.7	1.5	
		S	E	28	12
		S	N	10	10
		M	E	14	24
		M	N	11	26
		M	Z	3.2	17
	$\Delta = 9350 \text{ km} = 84^\circ$.				
	Sk	iP	13	18	19
		ipP	13	18	55
		isP	13	19	19
		i(PP)	13	22	01
	Southern Mexico. h = 150 km (Up, Ki, Sk). Magn. = 6.7 (Up, Ki).				
» 9	Up	iPKP	18	15	27
		ipPKP	18	16	57
			μ	s	
		PKP	0.1	0.6	
	Sk	iPKP	18	15	20
	Kermadec Islands. Deep.				
» 9	Up	i(P)	22	20	08
» 10	Up	iP	00	27	43
» 10	Up	iP	08	26	52
	Ki	iP	08	27	26
			μ	s	
		P	0.1	0.9	
	Sk	iP	08	27	27
» 10	Up	i(Pg)	10	09	44
		i(Sg)	10	10	29
	Local.				
» 10	Up	iP	14	52	21C
		i	14	52	40
			μ	s	
		P	0.2	0.5	

1956					
Nov 10		M	E	3.1	17
(cont.)		M	N	3.6	20
		M	Z	3.1	18
	Ki	iP		14	52
		i		14	52
				μ	s
		P	z'	0.5	1.4
		M	E	2.1	19
		M	N	5.8	22
		M	Z	3.4	21
	Sk	iP		14	52
	Luzon, Philippine Islands.				
	Magn.=6.2 (Up, Ki).				
» 10	Up	iP		15	51
		ipP		15	51
				μ	s
		P	z'	0.1	0.5
	Ki	iP		15	51
				μ	s
		P	z'	0.2	1.0
	Sk	iP		15	51
		ipP		15	51
	India-Burma border.				
	h=120 km (Up, Sk).				
» 11	Up	iPKP		03	32
		iSKP		03	34
	Ki	iPKP		03	31
		iSKP		03	34
				μ	s
		SKP	z'	0.2	1.3
	Fiji Islands.				
	Deep (h ~ 650 km).				
» 11	Up	iP		04	48
	Ki	iP		04	48
» 11	Up	iP		13	04
	Ki	iP		13	04
	Pamir.				
» 11	Up	iP		13	09
		iPP		13	11
	Ki	iP		13	09
	Sk	ePP		13	11
	Pamir.				
» 11	Up	iP		16	10
	Ki	iP		16	09
	Aleutian Islands.				
» 11	Up	iP		19	26
		iPeP		19	26
				μ	s
		P	z'	0.2	0.5
		M	E	2.5	19
		M	N	1.8	20
		M	Z	3.5	20
	Ki	iP		19	25

1956 Nov 11 (cont.)	P	μ	s
		0.1	0.6
	M	E	1.9
	M	N	0.8
	M	Z	2.1
	Sk	iP	19
	Kurile Islands.		
» 12	Up	i(P)	02
			09
» 12	Up	iP	07
	Ki	iP	07
	Aleutian Islands.		
» 12	Ki	eP	08
	Molucca Passage.		
» 12	Ki	iP	09
		iS	10
		eT	10
		i	10
		i	10
		$\Delta = 700 \text{ km} = 6\frac{1}{2}^\circ$.	
	Sk	iP	10
		iS	10
	$\Delta = 1050 \text{ km} = 9\frac{1}{2}^\circ$.		
	Northeast of Jan Mayen.		
	Origin time = 09 57 43.		
» 12	Up	iPKP	10
	Ki	ePKP	10
	Sk	iPKP	10
		i	10
	Kermadec Islands.		
» 12	Up	iP	11
	Ki	iP	11
	(Atlantic Ocean).		
» 12	Ki	iP	17
		iS	17
		eT	17
		i	17
		i	17
		$\Delta = 700 \text{ km} = 6\frac{1}{2}^\circ$.	
	Sk	iP	17
		iS	17
		eT	17
	$\Delta = 1050 \text{ km} = 9\frac{1}{2}^\circ$.		
	Northeast of Jan Mayen.		
	Origin time = 17 32 00.		
» 12	Sk	i(P)	19
			11
» 12	Up	iP	21
			00
		μ	s
		0.8	18
	Ki	iP	20
		i	20
		iS	21
		iT	21

1956					
Nov 12	i		21	04	43
(cont.)	i		21	04	58
			μ	s	
	P	z'	0.1	0.9	
	M	E	0.8	17	
	M	N	0.5	16	
	M	Z	0.9	14	
	$\Delta = 700 \text{ km} = 6\frac{1}{2}^\circ$.				
Sk	iP		20	59	56
	iS		21	01	43
	eT		21	06	39
	$\Delta = 1050 \text{ km} = 9\frac{1}{2}^\circ$.				
	Northeast of Jan Mayen.				
	Origin time = 20 57 36.				
» 12	Up	iP	21	47	17
	Ki	iP	21	47	11
	Near north coast of Java.				
	Deep (h ~ 350 km).				
» 13	Up	iP	03	02	04
		iS	03	04	34
		iT	03	09	39
			μ	s	
	M	N	0.9	15	
	M	Z	1.5	17	
	T phase remarkable.				
Ki	iP		03	00	20
	i		03	00	25
	iS		03	01	33
	iT		03	05	19
	i		03	05	53
			μ	s	
	P	z'	0.1	0.9	
	M	E	0.8	16	
	M	N	0.8	19	
	M	Z	2.4	20	
	$\Delta = 700 \text{ km} = 6\frac{1}{2}^\circ$.				
Sk	iP		03	00	58
	i		03	01	03
	iS		03	02	42
	eT		03	07	24
	$\Delta = 1050 \text{ km} = 9\frac{1}{2}^\circ$.				
	Northeast of Jan Mayen.				
	Origin time = 02 58 37.				
	There is a certain remarkable regularity in the origin times of the shocks in this series. Explosions?				
» 13	Up	iP	03	33	06
	Ki	iP	03	33	03
		i	03	33	19
			μ	s	
	P	z'	0.1	1.0	
Sk	iP		03	33	18
	Java.				
» 13	Ki	eP	05	04	53
	(Southern Iran).				
» 13	Ki	ePKP	08	00	05
	Loyalty Islands region.				

1956					
Nov 13	Up	iPKP	10	15	01
		iPP	10	17	41
			μ	s	
		M	2.0	24	
		M	1.4	25	
		M	2.0	24	
	Ki	ePKP	10	14	55
			μ	s	
		M	3.0	22	
		M	1.0	22	
		M	3.8	22	
Sk	iPKP		10	14	59
	Indian Ocean.				
» 13	Up	i(P)	12	48	06
» 13	Ki	i(Sg)	13	30	44
	Seismic?				
» 13	Up	iP	14	51	27 C
			μ	s	
	P	z'	0.3	1.4	
	M	E	1.1	21	
	M	N	0.9	25	
Ki	iP		14	51	07
			μ	s	
	P	z'	0.1	0.9	
	M	E	0.7	15	
	M	N	0.4	13	
Sk	iP		14	51	32
	Near east coast of Luzon.				
» 13	Ki	iPg	15	49	55
		iSg	15	50	21
	Sk	eSg	15	52	31
	Local.				
» 14	Up	iP	00	59	04 D
		iPP	01	00	45
		i	01	05	07
			μ	s	
	P	z'	0.4	0.5	
	PP	E	2.1	3	
	PP	Z	2.2	3	
	M	E	7.1	18	
	M	N	12	18	
	M	Z	4.7	17	
Ki	iP		00	59	12 D
		iPP	01	00	51
		eS	01	05	04
		e	01	05	23
		i(Ss)	01	06	12
			μ	s	
	P	z'	0.7	1.0	
	PP	E	1.6	9	
	PP	Z	1.6	4	
	PP	z'	0.6	1.2	
	M	E	4.5	10	
	M	N	3.5	10	
	M	Z	4.7	11	
Sk	iP		00	59	29 D

1956					
Nov 14	ipP		01	00	12
(cont.)	iPP		01	01	14
	$\Delta = 4900 \text{ km} = 44^\circ$.				
	Hindu Kush. h = 210 km (Sk).				
	Magn. = 6.5 (Up, Ki).				
» 14	Up	i(P)	01	12	49
	Sk	i(P)	01	11	35 C
» 14	Up	i(P)	02	34	40
		i	02	35	33
		i(Sg)	02	35	57
	Local.				
» 14	Up	i(Pg)	18	31	50
		i(Sg)	18	33	20
	Local.				
» 15	Up	i(P)	12	05	38
» 15	Up	iP	20	38	51 D
	Ki	iP	20	38	49
» 16	Up	iP	04	59	24 D
» 16	Ki	iP	09	02	04 C
			μ	s	
	P	z'	0.1	1.0	
	New Guinea. Intermediate depth (h ~ 150 km).				
» 16	Up	iP	11	56	15
			μ	s	
	P	z'	0.1	0.9	
	M	E	4.4	17	
	M	N	1.8	17	
	M	Z	3.3	19	
Ki	iP		11	55	55
			μ	s	
	P	z'	0.2	1.4	
	M	E	4.2	21	
	M	N	2.1	16	
Sk	eP		11	56	02
	Southern Luzon.				
» 16	Up	iP	12	06	22 D
			μ	s	
	P	z'	0.1	1.0	
Ki	iP		12	06	22
			μ	s	
	P	z'	0.3	1.2	
Sk	iP		12	06	10
	Northwestern Venezuela.				
» 16	Up	eP	14	11	50
	Ki	iP	14	12	28
			μ	s	
	P	z'	0.1	0.9	
Sk	eP		14	12	27
	Iran.				

1956					
Nov 16	Up	i(P)	18	28	23
» 17	Up	i(P)	01	10	12
» 17	Up	iP	19	26	36
	Ki	iP	19	26	08 D
	Sk	eP	19	26	37
	Ryukyu Islands region.				
	Intermediate depth (h ~ 150 km).				
» 17	Up	iP	20	37	50 D
		i	20	37	55
			μ	s	
	P	z'	0.3	1.0	
	M	E	2.6	20	
	M	N	5.4	16	
	M	Z	4.2	20	
Ki	iP		20	37	01
			μ	s	
	P	z'	0.3	1.3	
	M	E	4.1	15	
	M	N	2.2	13	
	M	Z	4.8	15	
Sk	iP		20	37	21
	Queen Charlotte Islands region.				
	Magn. = 6.1 (Up, Ki).				
» 18	Up	iP	01	59	38 D
			μ	s	
	P	z'	0.1	0.6	
Ki	iP		01	59	03
Sk	iP		01	59	34
	Off south coast of Honshu, Japan.				
	Intermediate depth (h ~ 280 km).				
» 18	Up	iP	05	27	15
			μ	s	
	M	E	4.6	12	
	M	N	2.5	14	
	M	Z	4.1	12	
Ki	iP		05	27	12
			μ	s	
	P	z'	0.1	1.0	
	M	E	2.1	12	
	M	N	1.3	12	
	M	Z	2.4	12	
Sk	iP		05	27	36
	Sinkiang, China.				
» 18	Up	iPKP	10	06	30 D
	Kermadec Islands region.				
» 18	Up	iP	16	05	55 C
	Ki	eP	16	07	19
		i	16	07	24
Sk	iP		16	06	48
	Rumania. Intermediate depth (h ~ 160 km).				
» 18	Up	iPKP	18	36	04 D
		i	18	36	25
	Kermadec Islands region.				

1956	Nov 18	Up	i(Sg)	18	39	03			
		Sk	i(P)	18	36	44			
			iSg	18	37	19			
		Local.							
»	18	Up	iP	19	25	48			
»	18	Up	iP	20	36	30C			
		Sk	iP	20	37	09			
»	18	Up	eP	21	34	26			
				μ	s				
		M	E	2.4	17				
		M	N	1.5	15				
		M	Z	3.4	18				
		Ki	iP	21	33	55			
				μ	s				
		M	E	1.0	14				
		M	N	0.9	16				
		M	Z	3.9	20				
		Sk	iP	21	34	26			
		Ryukyu Islands.							
»	18	Up	e(Pg)	22	36	29			
			i(Sg)	22	36	57			
		Local.							
»	19	Up		—					
				μ	s				
		M	E	1.4	18				
		M	N	1.6	20				
		M	Z	1.6	18				
		Ki	eP	12	15	12			
				μ	s				
		M	E	1.5	16				
		M	N	1.3	17				
		M	Z	3.0	17				
		Marianas Islands.							
		Intermediate depth (h ~ 150 km).							
»	19	Ki	eP	15	10	16			
»	19	Up	iP	15	17	20			
»	19	Up	iP	15	53	57			
		Ki	iP	15	53	12			
		Off east coast of Hokkaido, Japan.							
»	20	Up	iP	12	12	16			
		Ki	iP	12	12	02			
				μ	s				
		P	Z'	0.1	1.2				
		Sk	iP	12	12	23			
		Near east coast of Celebes.							
		Intermediate depth (h ~ 200 km).							
»	20	Up	iP	14	49	22			
		Ki	iP	14	49	17			
		Sk	iP	14	49	38			
»	20	Up	i(P)	15	01	32			

1956	Nov 20	Ki	eP	17	19	24			
»	20	Up	iP	19	01	13			
		Sk	iP	19	01	05D			
»	20	Up	iP	23	25	38			
			iPP	23	25	57			
			i	23	28	43			
			iPeS	23	33	29			
				μ	s				
		M	E	7.0	15				
		M	N	5.5	13				
		M	Z	8.3	16				
		Ki	iP	23	26	50			
				μ	s				
		P	Z'	0.1	1.0				
		M	E	3.8	12				
		M	N	1.5	11				
		M	Z	1.7	11				
		Sk	iP	23	26	24			
		Aegean Sea.							
»	21	Ki	i(P)	05	10	03			
			i	05	12	40			
»	21	Up	iP	06	32	36			
		Ki	iP	06	31	48			
		Off west coast of Sakhalin.							
»	21	Up	iPKP	07	32	19			
				μ	s				
		Sk	iPKP	07	32	12C			
		Kermadec Islands.							
		Deep (h ~ 300 km).							
»	21	Up	iP	07	44	50C			
				μ	s				
		P	Z'	0.2	0.6				
		M	E	7.1	18				
		M	Z	9.4	18				
		Ki	iP	07	44	10C			
			iPP	07	46	32			
			iPS	07	53	13			
			iSS	07	57	13			
				μ	s				
		P	Z'	0.3	1.0				
		PP	Z'	0.2	1.6				
		M	E	6.1	16				
		M	N	2.7	17				
		M	Z	8.0	16				
		Sk	iP	07	44	44C			
		Near east coast of Honshu, Japan.							
		Deeper than normal.							
		Magn.=6.2 (Up, Ki).							
»	22	Ki	iP	04	34	27			
		Iran.							
»	22	Ki	ePKP	08	35	22			

1956	Nov 22								
(cont.)		New Zealand.	PKP	Z'	μ	s			
					0.1	1.4			
»	22	Up	i(P)		10	12	21		
»	23	Up	iP		08	27	15		
		Sk	iP		08	27	29		
»	23	Up	iP		10	11	51D		
		Ki	iP		10	10	58		
		Sk	eP		10	11	28		
		Aleutian Islands.							
»	23	Ki	i(Sg)		12	48	31		
		Local? Seismic?							
»	23	Up	iP		15	18	13		
»	23	Ki	i(Sg)		16	17	33		
		Local?							
»	23	Ki	eP		18	18	40		
»	24	Up	i(Sg)		13	32	59		
		Seismic?							
»	24	Up	i(P)		16	10	58		
			(P)	Z'	μ	s			
		Ki	i(P)		16	10	56		
			(P)	Z'	μ	s			
					0.1	1.0			
»	24	Up	i(P)		17	01	12		
»	24	Up	iPKP		21	01	41		
			i		21	01	51		
		Kermadec Islands region.							
»	24	Ki	i(P)		23	01	07		
»	25	Up	iP		11	35	52		
		Ki	eP		11	34	58		
			i		11	35	09		
					μ	s			
		P	Z'		0.1	1.2			
		Unimak Island region.							
»	25	Up	iP		15	24	22		
		North Atlantic Ocean.							
»	25	Ki	iPKP		18	26	30		
		Sk	iPKP		18	26	42		
		New Hebrides Islands.							
		Intermediate depth (h ~ 100 km).							
»	25	Up	i(P)		20	45	10		
		Ki	iP		20	45	57		
»	26	Up	iP		03	12	02		

1956	Nov 26								
(cont.)		Ki	P	Z'	μ	s			
			iP		03	11	31		
			P	Z'	μ	s			
		Bonin Islands.							
»	26	Up	i(P)		05	35	48		
		(Arctic Ocean).							
»	26	Up	i(P)		13	09	36		
»	26	Up	iPKP		23	49	10		
					μ	s			
		PKP	Z'		0.1	1.0			
		M	E		4.2	20			
		M	N		5.4	20			
		M	Z		7.0	20			
		Ki	iPKP		23	48	51		
					μ	s			
		PKP	Z'		0.2	1.2			
		M	E		5.3	20			
		M	N		4.8	22			
		M	Z		13	23			
		Sk	iPKP		23	49	04		
		Loyalty Islands.							
		Magn.=6.5 (Up, Ki).							
»	27	Ki	e(PKP)		01	10	57		
		Loyalty Islands.							
»	27	Up	iP		02	45	14		
		Ki	eP		02	46	11		
»	27	Up	iP		08	10	56		
		Off north coast of Hokkaido, Japan.							
»	27	Sk	i		12	29	35		
		Seismic?							
»	27	Ki	ePKP		13	38	18		
		Loyalty Islands.							
»	27	Up	i(P)		19	51	03		
»	27	Up	iSn		23	55	47		
			iSg		23	56	36		
			$\Delta=910$ km=8.2°.						
		Ki	iPn		23	53	08		
			iPg		23	53	23		
			iSn		23	53	55		
			iSg		23	54	16		
					μ	s			</

1956 Nov 28	Up	iPKP	15	31	22C
			μ	s	
	Ki	PKP	z'	0.2	0.8
		iPKP		15	31 06
			μ	s	
	Sk	PKP	z'	0.2	1.5
		iPKP		15	31 16C
		i		15	31 38
	Kermadec Islands.				
» 28	Up	iP		16	57 42
» 28	Up	iP		19	37 59C
		iPcP		19	38 39
		i		19	41 08
		iPcS		19	42 37
		iS		19	46 40
		iPS		19	47 05
		iP'P'		20	06 33
			μ	s	
		P	z'	0.2	0.7
		M	E	11	20
		M	N	27	22
		M	Z	34	24
	Ki	$\Delta=7350$ km=66°.			
		iP		19	37 08C
		i		19	37 21
		e		19	41 00
			μ	s	
		P	z'	0.3	1.3
		M	E	22	22
		M	N	14	20
		M	Z	32	18
	Sk	iP		19	37 49
		i		19	38 11
		i!		19	39 00
	Northern Kurile Islands. Probably deeper than normal. Magn.=6.4 (Up, Ki).				
» 29	Up	iPKP		04	32 37
		i		04	35 58
	Ki	iPKP		04	32 40
		iPP		04	35 37
	South Orkney Islands region.				
» 29	Ki	eP		07	27 50
	Bonin Islands.				
» 29	Up	iP		09	27 40D
		iPP		09	30 54
		iS		09	37 48
		iScS		09	38 12
		i		09	38 32
		iSS		09	43 15
			μ	s	
		P	Z	1.2	5
		S	N	1.2	7
		M	E	11	14
		M	N	12	13

1956 Nov 29 (cont.)	M	Z	9.6	16
	$\Delta=9100$ km=82°.			
	Ki	iP		09 27 02
		iPcP		09 27 15
		i		09 27 46
		eScS		09 37 13
		iSa		09 46 50
			μ	s
		P	z'	0.1 1.0
		M	E	16 16
		M	N	13 16
		M	Z	19 16
		$\Delta=8400$ km=75½°.		
	Sk	iP		09 27 36D
	Bonin Islands. Magn.=6.3 (Up, Ki).			
» 29	Ki	i(P)		14 05 06
» 30	Ki	i(P)		11 09 14
	Seismic?			
» 30	Up	iP		15 01 09
	Ki	iP		15 01 08
	Sk	eP		15 01 22
» 30	Up	iPKP		19 48 52
	Ki	iPKP		19 49 07D
	San Juan Province, Argentina.			
Dec 1	Up	i(P)		03 39 08
	Local?			
» 1	Up	i(P)		06 57 01
» 1	Up	i(P)		12 23 47
» 1	Ki	i(P)		12 32 04
		i		12 32 09
	Local blast?			
» 2	Ki	iP		02 13 06
» 2	Up	iP		03 10 56
			μ	s
		P	z'	0.1 1.0
	Ki	iP		03 10 03
			μ	s
		P	z'	0.2 1.0
	Sk	iP		03 10 33
	Aleutian Islands.			
» 3	Ki	ePP		04 05 02
	Prince Edward Island region, Indian Ocean.			
» 3	Ki	eP		07 22 48
			μ	s
		P	z'	0.1 1.0
	Aleutian Islands.			

1956 Dec 3	Up	iP		07	31	07
		M	N	μ	s	
		M	Z	2.7	20	
	Ki	iP		3.5	20	
		i		07	30	12 D
		eScS		07	30	19
				07	40	16
		P	Z'	μ	s	
		M	E	0.2	1.0	
		M	N	3.8	20	
		M	Z	1.6	17	
	Sk	iP		4.2	20	
	Aleutian Islands.					07 30 46
» 3	Up	iP		07	51	28
		i!		07	52	57
	Ki	i		07	54	13
» 3	Up	iP		07	55	55
		iPP		07	58	09
		P	Z'	μ	s	
		PP	Z'	0.1	0.9	
	Ki	iP		0.2	1.0	
		i		07	55	01 C
		iPP		07	56	03
				07	57	15
		P	Z'	μ	s	
		PP	Z'	0.3	1.0	
	Sk	iP		0.1	1.0	
	Aleutian Islands.					07 55 32
» 3	Ki	iP		08	02	48
		P	Z'	μ	s	
	Aleutian Islands.					0.1 1.0
» 3	Ki	iP		21	06	47
	Aleutian Islands.					
» 4	Up	iP		08	55	10
		M	E	μ	s	
		M	N	1.6	20	
		M	Z	3.0	22	
	Ki	iP		4.7	22	
				08	54	20 D
		P	Z'	μ	s	
	Sk	iP		0.1	1.0	
	Kurile Islands.					08 54 56
» 4	Ki	iP		09	00	19
	Kurile Islands.					
» 4	Up	iPKP		10	27	29
		PKP	Z	μ	s	
		PKP	Z'	2.1	5	
	Ki	iPKP		0.2	0.6	
				10	27	32 D

1956 Dec 4 (cont.)	PKP	z'	μ	s
	Sk ePKP		1.4	1.8
	South Pacific Ocean.			
» 4	Up	iP		10 53 08
			μ	s
		P	z'	0.1 1.0
	Ki	iP		10 52 15C
			μ	s
		P	z'	0.2 1.0
	Sk	iP		10 52 46
	Aleutian Islands.			
» 4	Ki	iP		11 02 59
» 4	Up	i(Pg)		16 10 02
		iSg		16 10 44
	Local.			
» 4	Up	iP		21 11 36D
	Ki	eP		21 11 07
	Ryukyu Islands. Intermediate depth (h ~ 100 km).			
» 4	Up	iP		23 14 07
			μ	s
		M	E	3.3 21
		M	N	2.2 24
		M	Z	5.5 22
	Ki	iP		23 13 56
		eS		23 24 19
			μ	s
		M	E	3.2 22
		M	N	1.1 19
		M	Z	4.7 21
	Guatemala. Intermediate depth (h ~ 100—150 km).			
» 5	Up	iP		15 15 12
			μ	s
		P	z'	0.1 0.7
» 5	Up	iP		18 07 54
	Ki	eP		18 07 29
» 5	Up	e(Sg)		20 55 41
	Local?			
» 6	Up	e(P)		03 41 24
		e(Sg)		03 44 00
	Local?			
» 6	Ki	iP		05 27 07
» 6	Up	iP		20 37 44
	Hindu Kush. Intermediate depth (h ~ 200 km).			
» 6	Up	i(P)		22 47 28

1956 Dec 7	Up	iP	11	34	01
		P	μ	s	
	Ki	iP	11	33	45
		P	μ	s	
		P	z'	0.1	0.7
			Near west coast of Luzon.		
» 7	Sk	i	12	23	44
		Seismic?			
» 7	Sk	iP	13	45	01
» 7	Up	iP	14	43	28C
	Ki	iP	14	43	27C
		P	μ	s	
		P	z'	0.1	1.0
	Sk	iP	14	43	42C
			Southeastern Sumatra.		
			Intermediate depth (h ~ 100 km).		
» 7	Ki	eP	18	30	48
		i	18	31	03
			Southeastern Sumatra.		
» 8	Up	iP	01	12	18
	Ki	iP	01	11	55
» 8	Sk	i	12	42	47
		Seismic?			
» 8	Up	iP	16	21	29C
		iS	16	30	20
		P	μ	s	
		S	z'	0.6	0.8
		M	N	2.0	5
		M	E	24	20
		M	N	21	21
		M	Z	22	21
	Ki	$\Delta=7500 \text{ km}=67\frac{1}{2}^\circ$	16	20	36C
		iS	16	28	48
		P	μ	s	
		P	z'	4.2	10
		S	z'	0.4	0.8
		S	E	4.1	15
		S	N	2.7	12
		M	E	18	16
		M	N	15	17
		M	Z	39	20
	Sk	$\Delta=6700 \text{ km}=60\frac{1}{2}^\circ$	16	21	10D
		iP			
			Aleutian Islands.		
			Magn.=6.6 (Up, Ki).		
» 8	Up	iP	16	27	34
		P	μ	s	
	Ki	iP	16	26	40
		P	μ	s	
		P	z'	0.2	1.1

1956 Dec 8	Sk	eP	16	27	13
(cont.)		Aleutian Islands.			
» 8	Up	iP	16	29	21
		P	μ	s	
		P	z'	0.1	1.0
	Ki	iP	16	28	29
	Sk	e(P)	16	28	59
			Aleutian Islands.		
» 8	Up	iP	16	34	32
» 8	Up	iP	17	11	33
		P	μ	s	
		P	z'	0.1	0.7
» 8	Up	e(P)	18	25	43
		e	18	26	41
» 9	Up	iP	00	24	26
			Molucca Passage.		
» 9	Up	iP	05	30	06
		P	μ	s	
		P	z'	0.1	1.0
	Ki	iP	05	29	12D
		P	μ	s	
		P	z'	0.1	1.0
	Sk	iP	05	29	44
			Aleutian Islands.		
» 9	Up	iP	17	11	20
	Ki	eP	17	10	26
			Off east coast of Kamchatka.		
» 10	Up	iP	08	41	51
	Ki	iP	08	40	58
			Aleutian Islands.		
» 10	Up	eP	13	33	37
» 10	Up	iPKP	17	06	54
			New Britain.		
» 10	Up	e(Sg)	23	11	08
		Local?			
» 11	Up	i(P)	01	09	34
» 11	Up	iP	05	09	10
» 11	Up	iP	06	41	53
	Ki	iP	06	41	06
			Northern Kurile Islands.		
» 11	Up	eP	08	53	15
	Ki	iP	08	52	58
		P	μ	s	
		P	z'	0.1	1.0
			Philippine Islands.		

1956 Dec 11	Up	iP	17	03	31C
		Arabian Sea.			
» 11	Up	i(P)	17	19	41
	Ki	i(P)	17	19	20
» 11	Up	iP	19	37	33
» 11	Ki	i(P)	23	07	19
» 12	Up	iP	12	57	10
» 12	Up	iP	21	04	56
		i	21	05	14
	Ki	iP	21	04	40
			Formosa. Intermediate depth (h ~ 150 km).		
» 13	Up	iP	13	08	06
» 13	Ki	iP	13	27	33
			Lower California.		
» 13	Ki	iP	15	05	26
		P	μ	s	
		P	z'	0.1	1.2
			Molucca Passage.		
» 13	Up	iP	15	53	44
		P	μ	s	
		P	z'	0.1	1.0
» 13	Up	eP	19	47	58
	Ki	iP	19	47	31
		i!	19	47	46
		i!	μ	s	
		i!	z'	0.2	1.1
			Marianas Islands.		
» 15	Up	iP	10	21	45D
» 15	Up	iP	14	04	18
	Ki	iP	14	04	02C
		P	μ	s	
		P	z'	0.1	1.0
			Halmahera. Intermediate depth (h ~ 150 km).		
» 15	Up	iPKP	17	43	17D
		PKP	μ	s	
		PKP	z'	0.2	1.2
	Ki	iPKP	17	43	04C
		PKP	μ	s	
		PKP	z'	0.2	1.0
	Sk	iPKP	17	43	14C
			New Hebrides Islands.		
			Intermediate depth (h ~ 150 km).		
» 15	Up	iPKP	20	25	14D
			Tonga Islands region.		
» 16	Up	i	01	04	56
		Seismic?			

1956 Dec 16	Up	iP	01	54	41D
		eS	02	05	16
		iPS	02	06	15
		P	μ	s	
		P	z'	0.1	1.0
			$\Delta=9650 \text{ km}=87^\circ$.		
	Ki	iP	01	54	42D
		iSKS	02	05	02
		iS	02	05	22
		P	μ	s	
		P	z'	0.5	1.6
		SKS	E	3.6	10
		S	N	2.0	7
			$\Delta=9650 \text{ km}=87^\circ$.		
	Sk	iP	01	54	27D
			Near west coast of Colombia.		
» 16	Up	iPKP	22	26	21
		PKP	μ	s	
		PKP	z'	0.1	0.8
	Ki	ePKP	22	26	01
	Sk	iPKP	22	26	15
			Kermadec Islands.		
» 17	Up	i(P)	14	18	43
» 18	Up	iP	00	13	01
» 18	Up	iP	02	26	38
	Ki	iP	02	26	12
			Bonin Islands.		
» 18	Up	ePP	02	50	12
		i	02	50	33
		i(S)	02	57	34
		e	02	59	42
		(S)	μ	s	
		(S)	E	3.7	9
		M	E	29	22
		M	N	14	20
		M	Z	33	21
			$\Delta \sim 12200 \text{ km} \sim 110^\circ$.		
	Ki	i(PKP)	02	49	56
		i	02	58	45
		iSKSP	03	00	16
		e(PKKP)	03	00	31
		M	μ	s	
		M	E	30	24
		M	N	17	24
			$\Delta \sim 12450 \text{ km} \sim 112^\circ$.		
	Sk	ePP	02	50	11
			Chile-Argentina border.		
			Magn.=7.0 (Up, Ki).		
» 18	Up	iP	17	59	11
		i	17	59	32
		iPP	18	00	14
		PP	μ	s	
		PP	z'	0.2	1.5
		M	E	1.2	16
		M	N	1.7	16
		M	Z	3.3	19

1956	Dec 18	Ki	iP	18	00	17
(cont.)				μ	s	
		P	z'	0.4	1.7	
		M	E	2.6	20	
		M	N	1.7	17	
	Sk	iP		17	59	59
	Israel-Jordan border region.					
	Magn.=6 (Up, Ki).					
» 18	Up	eL		20	04	
				μ	s	
		M	E	2.4	18	
		M	N	1.8	20	
		M	Z	3.1	22	
	Ki	eL		20	10	
				μ	s	
		M	E	2.0	17	
		M	N	1.1	16	
	South Indian Ocean.					
» 18	Up	iP		21	24	19C
				μ	s	
		P	z'	0.2	1.2	
	Ki	iP		21	23	42
				μ	s	
		P	z'	0.1	1.0	
	Sk	iP		21	24	16
	Near south coast of Honshu, Japan.					
	Intermediate depth (h~100 km).					
» 19	Up	iP		01	28	49
				μ	s	
		P	z'	0.1	1.0	
	Ki	iP		01	27	57D
				μ	s	
		P	z'	0.1	0.5	
	Sk	iP		01	28	34
	Southern Kamchatka.					
» 19	Up	iP		04	47	39D
				μ	s	
		P	z'	0.2	1.0	
	Ki	iP		04	47	07
	Sk	eP		04	47	37
	Bonin Islands region.					
	Deep (h~450 km).					
» 19	Up	iP		13	44	22D
				μ	s	
		P	z'	0.2	1.1	
» 20	Up	iPKP		11	19	38C
				μ	s	
		PKP	z'	0.2	0.8	
		M	N	2.0	22	
		M	Z	1.8	17	
	Ki	ePKP		11	19	18
				μ	s	
		M	N	1.0	22	
	Sk	iPKP		11	19	36
	Kermadec Islands.					

1956	Dec 20	Up	i(P)	19	05	28
» 20	Up	iP		19	58	48
				μ	s	
		P	z'	0.1	0.7	
	Ki	iP		19	58	02
				μ	s	
		P	z'	0.1	1.0	
	Kurile Islands.					
» 20	Up	iP		21	26	45
	Ki	iP		21	26	45
				μ	s	
		P	z'	0.1	1.0	
	Sk	iP		21	26	59
	Near west coast of Sumatra.					
» 21	Up	iP		00	08	04C
				μ	s	
		P	z'	0.2	1.2	
	Ki	iP		00	07	10C
				μ	s	
		P	z'	0.1	0.7	
	Sk	iP		00	07	47
	Kamchatka.					
» 21	Up	iP		03	38	01C
				μ	s	
		P	z'	0.1	0.7	
		M	E	1.0	19	
		M	N	4.4	22	
	Ki	iP		03	37	52C
				μ	s	
		P	z'	0.1	1.0	
		M	E	1.1	20	
		M	N	2.3	18	
	Sk	iP		03	38	15
	Burma-India border.					
» 21	Up	e(PKP)		08	49	48
	Sk	i(PKP)		08	49	47D
	(Fiji Islands).					
» 21	Up	iP		09	09	44C
		iS		09	18	33
		eSS		09	22	43
				μ	s	
		P	N	1.5	5	
		P	Z	1.9	5	
		P	z'	0.4	1.2	
		S	E	4.3	13	
		S	N	1.4	8	
		M	E	20	17	
		M	N	26	21	
		M	Z	30	18	
		$\Delta=7450$ km=67°.				
	Ki	iP		09	08	58
		iPa		09	12	30
		iS		09	17	12
		iSeS		09	18	44

1956				μ	s	
Dec 21		P	N	1.5	6	
(cont.)		P	z'	1.0	2.0	
		S	E	7.0	12	
		S	N	1.8	10	
		M	E	22	17	
		M	N	21	17	
		$\triangle=6700\text{ km}=60\frac{1}{2}^\circ$.				
	Sk	iP		09	09	15
	Queen Charlotte Islands.					
	Magn.=6.6 (Up, Ki).					
»	21	Up	iP	10	43	24
	Off south coast of Honshu, Japan.					
»	21	Ki	i(Sg)	14	04	18
	Local?					
»	21	Up	iP	18	22	52
				μ	s	
		P	z'	0.1	1.0	
	Ki	iP		18	22	16
				μ	s	
		P	z'	0.1	1.0	
		M	E	1.9	18	
		M	N	0.5	14	
	Sk	eP		18	22	48
	Off south coast of Honshu, Japan.					
»	21	Up	iP	20	21	48
				μ	s	
		P	z'	0.6	1.6	
		M	E	4.4	17	
		M	N	2.8	13	
		M	Z	2.7	13	
	Ki	iP		20	21	11C
		i		20	21	18
		iPP		20	23	46
				μ	s	
		P	z'	0.2	1.0	
		PP	z'	1.0	3.0	
		M	E	9.3	18	
		M	N	5.8	18	
		M	Z	5.7	16	
	Sk	iP		20	21	49
	Off south coast of Honshu, Japan.					
	Magn.=6.3 (Up, Ki).					
»	22	Up	iPg	08	38	24
			iSg	08	39	05
				μ	s	
		Sg	z'	0.1	0.5	
		$\triangle=360\text{ km}=3.2^\circ$.				
	Ki	eSg		08	41	50
		$\triangle=910\text{ km}=8.2^\circ$.				
	Sk	eSg		08	41	04
		$\triangle=760\text{ km}=6.8^\circ$.				
	The Gulf of Finland, 59.8°N, 23.8°E.					
	Origin time=08 37 19.					
»	22	Up	iP	11	37	46

1956	Dec 22	Ki	eP	11	37	25
(cont.)		Philippine Islands.				
» 22	Up	iP		12	05	37
» 22	Up	iPKP		22	57	56C
		iPKP2		22	58	05
				μ	s	
		PKP	z'	0.1	1.0	
		PKP2	z'	0.3	0.7	
	Ki	ePKP		22	57	32
	Sk	iPKP		22	57	50C
	Kermadec Islands.					
» 22	Up	iP		23	24	21
		iS		23	33	55
				μ	s	
		P	z'	0.2	1.1	
		M	E	6.9	20	
		M	N	7.4	15	
		M	Z	7.8	22	
		$\Delta=8350$ km=75°.				
	Ki	iP		23	23	42
				μ	s	
		P	z'	0.1	1.1	
		M	E	17	18	
		M	N	15	19	
		M	Z	12	18	
	Sk	iP		23	24	21
	Off south coast of Honshu, Japan.					
	Magn.=6.2 (Up, Ki).					
» 23	Up	iP		08	50	08
				μ	s	
		P	z'	0.2	1.1	
	Ki	iP		08	49	38
		epP		08	50	02
				μ	s	
		P	z'	0.2	1.0	
	Sk	iP		08	50	05
		ipP		08	50	26
		iPP		08	53	58
	Marianas Islands region.					
	h=90 km (Ki, Sk).					
» 23	Ki	eL		18	07	
				μ	s	
		M	E	0.8	16	
		M	N	1.2	18	
	Volcano Islands.					
» 24	Up	i		18	35	04
		iSg		18	35	12
				μ	s	
		Sg	z'	0.1	0.5	
		$\Delta=800$ km=7.2°.				
	Ki	iP*		18	32	16
		iPg		18	32	24
		i(S*)		18	32	57
		iSg		18	33	07

1956 Dec 24 (cont.)	Sg	z'	μ 0.3	s 0.5
	$\Delta = 380 \text{ km} = 3.4^\circ$.			
Sk	eSn	18	34	12
	iSg	18	34	52
	$\Delta = 730 \text{ km} = 6.6^\circ$.			
	Northern Finland, 65.6°N , 27.0°E .			
	Origin time = 18 31 15.			
» 24 Up	iP	18	51	41
	P	z'	μ 0.3	s 1.5
Ki	iP	18	51	23C
	P	z'	μ 0.2	s 1.1
Sk	iP	18	51	46
	Near east coast of Mindanao.			
» 25 Up	iP	01	06	32C
Sk	iP	01	07	14
	Ionian Islands.			
» 25 Sk	eP	03	04	29
	North Atlantic Ocean.			
» 25 Up	iPKP	04	48	50
Ki	iPKP	04	48	42
	Tonga Islands.			
	Intermediate depth ($h \sim 200 \text{ km}$).			
» 25 Up	iP	09	39	31
	i!	09	39	37
	iPP	09	40	28
	iS	09	44	21
	P	E	μ 1.1	s 4
	P	Z	1.3	4
	P	z'	0.8	1.6
	PP	Z	0.6	3
	S	E	1.6	5
	S	N	0.9	5
	M	E	5.7	13
	M	N	14	17
	M	Z	6.9	18
	$\Delta = 3150 \text{ km} = 28\frac{1}{2}^\circ$.			
Ki	iP	09	39	53
	i!	09	39	59
	iPP	09	40	47
	iS	09	45	02
	i	09	45	19
	iPcS	09	46	38
	P	E	μ 0.7	s 4
	P	z'	0.5	1.8
	PP	E	1.6	6
	S	E	2.3	10
	S	N	1.2	9
	M	E	13	18
	M	N	4.5	15
	M	Z	14	18
	$\Delta = 3450 \text{ km} = 31^\circ$.			

1956					
Dec 25	Sk	iP	09	39	14
(cont.)		i!	09	39	20
		North Atlantic Ocean.			
		Magn. = 6.0 (Up, Ki).			
» 25	Up	iPKP	13	56	16C
	Sk	iPKP	13	56	18C
		Tonga Islands region.			
» 26	Up	iP	03	43	26C
	Sk	iP	03	43	22
» 26	Sk	iPKP	08	05	23
		Santa Cruz Islands.			
» 27	Up	iPKP	00	33	15
		ipPKP	00	34	40
		iPP	00	36	42
		i	00	43	14
		iSP	00	46	40
		iSS	00	54	30
			μ	s	
		PKP	z'	0.8	1.3
		PP	N	1.8	4
		PP	Z	1.2	2
		PP	z'	3.3	2.2
		M	E	16	26
		M	N	14	25
		M	Z	13	22
		$\Delta \sim 15800 \text{ km} \sim 142^\circ$.			
	Ki	iPKP	00	32	56
		iPKP	00	33	05
		ipPKP	00	34	29
		iPP	00	35	37
		i!	00	36	22
		ipPP	00	36	47
		isPKS	00	38	26
		i	00	42	14
		i	00	42	45
		iSP	00	45	41
		iSS	00	53	07
			μ	s	
		PKP	Z	2.6	5
		PKP	z'	0.5	1.2
		pPKP	z'	0.8	2.0
		PP	Z	2.6	5
		M	E	8.2	19
		M	N	7.8	21
		M	Z	18	23
		$\Delta \sim 15000 \text{ km} \sim 135^\circ$.			
	Sk	iPKP	00	33	07
		iSKP	00	36	33
		Tonga Islands region.			
		Deep (h ~ 300 km).			
		Magn. = 7.2 (Up, Ki).			
		The first PKP at Ki has very small amplitude.			
» 27	Up	iP	10	13	34
		iPP	10	14	15

1956 Dec 27 (cont.)	P	z'	μ 0.1	s 1.0
	PP	z'	0.1	1.2
	M	E	3.1	17
	M	N	2.4	15
	M	Z	2.1	15
	$\Delta = 2800 \text{ km} = 25^\circ$.			
Ki	iP	10	14	41D
	M	E	μ 1.8	s 16
	M	N	0.6	16
	M	Z	1.0	15
Sk	iP	10	14	15
	Near south coast of Rhodes Island.			
» 27 Up	i(Sg)	18	24	50
	Local?			
» 27 Up	iP	21	44	43
	P	z'	μ 0.1	s 1.0
	M	E	1.5	27
	M	N	4.6	25
	M	Z	1.7	24
Ki	iP	21	44	24
	P	z'	μ 0.1	s 1.2
	M	E	1.0	16
	M	N	2.3	23
	M	Z	2.4	18
Sk	eP	21	44	45
	Mindanao, Philippine Islands.			
» 28 Up	iP	01	02	33
» 28 Up	iP	02	31	31
Ki	iP	02	31	40C
Sk	eP	02	31	59
	Northern Afghanistan.			
» 28 Ki	iP	13	54	10
	Near south coast of Mindanao, Philippine Islands.			
» 28 Up	ePKP	14	44	44
	i(pPKP2)	14	45	23
	M	E	μ 5.6	s 21
	M	N	8.4	21
	M	Z	9.4	22
	$\Delta \sim 17350 \text{ km} \sim 156^\circ$.			
Ki	iPKP	14	44	12
	ipPKP	14	44	50
	PKP	z'	μ 0.1	s 1.1
	pPKP	Z	3.3	5
	pPKP	z'	0.3	1.1
	M	E	4.6	21
	M	N	3.4	22
	M	Z	9.0	22
	$\Delta \sim 16450 \text{ km} \sim 148^\circ$.			

1956					
Dec 28	Sk	iPKP	14	44	25
(cont.)		i	14	44	57
		ipPKP	14	45	07
		Near coast of North Island, New Zealand.			
		h=160 km (Ki, Sk).			
» 28	Sk	i	15	19	28
		i(Sg)	15	19	57
		Local?			
» 28	Up	iP	16	45	55
	Sk	iP	16	45	48
» 28	Up		—		
			μ	s	
		M	E	3.0	22
		M	N	2.4	22
		M	Z	4.3	24
	Ki	iP	19	34	05
			μ	s	
		M	E	1.7	17
		M	N	1.9	23
		M	Z	4.3	20
		Off south coast of Lower California.			
» 29	Up	e	01	03	11
		i	01	03	45
		e(Sg)	01	05	45
		Local?			
» 29	Up	iP	09	48	00
	Ki	eP	09	47	09
		Near south coast of Kamchatka.			
» 29	Up	e(Sg)	13	37	57
	Ki	e(Sg)	13	39	18
	Sk	e(Sg)	13	39	25
		Local.			
» 29	Up	iPKP	19	45	32
	Ki	iPKP	19	45	24
	Sk	iPKP	19	45	27
		Fiji Islands.			
		Deep (h ~ 600 km).			
» 29	Up	eL	21	38	
			μ	s	
		M	E	1.1	21
		M	N	2.4	19
		M	Z	4.5	18
	Ki	eL	21	32	
			μ	s	
		M	E	2.5	21
		M	N	2.2	21
		M	Z	8.1	21
		Tonga Islands.			
» 29	Up	e(Sg)	22	51	40
		Local?			

1956

Dec 30 Up iP 09 50 28
 i 09 50 47
 Ki iP 09 49 53
 Off south coast of Honshu, Japan.

» 30 Up iP 18 29 18
 i 18 29 33

P z' μ s
 0.2 1.0
 Ki iP 18 30 34

P z' μ s
 0.1 1.0
 Sk iP 18 29 58
 Ionian Islands.

» 30 Up iP 22 09 38
 μ s
 P z' 0.2 0.7
 M E 2.8 18
 M N 1.4 20
 M z 4.0 17
 Ki iP 22 09 32C
 μ s
 P z' 0.2 0.5
 M E 3.1 18
 M N 2.3 20

1956

Dec 30 M z 5.8 18
 (cont.) Sk iP 22 09 54C
 India-Burma border.

» 31 Up iPn 04 45 17
 iSn 04 47 20
 i 04 48 25

Sn z' μ s
 0.2 1.0
 $\Delta = 1310 \text{ km} = 11.8^\circ$.
 Ki iPn 04 43 36 D
 i 04 44 03
 iSn 04 44 22
 iS* 04 44 34
 iSg 04 44 46
 i 04 45 15

Pn z' μ s
 0.4 0.5
 Sn z' 1.2 0.5
 $\Delta = 470 \text{ km} = 4.2^\circ$.
 Sk iPn 04 44 29 D
 i 04 45 30
 iSn 04 45 54
 $\Delta = 890 \text{ km} = 8.0^\circ$.
 Off north coast of Norway.

» 31 Up iP 06 06 35