Jerusalem Provisional Readings

Bulletin No. 67 [92?]

January-February 1963

No.	Date	Phase	G.	M.	T.
1	1	eiPKP	16	47	17
		20.0E, 175.4 W Tonga Is.			
		h = 130			
2		eP	19	48	22
		40.2S,81.3E, Indian Oc.			
3		iP	23	52	08C
		56.6N,157.7W,Alaska Penin.			
4	2	eP	02	19	(09)
5	3	iP	14	18	36.5C
6	4	eiP	00	33	10C
		3.2N,127E,Halmahera region			
7	5	iP	00	02	41.5
		46.5N,153.7W,Kurile Is.			
8		i	00	47	05.5D
9		eiP	03	46	135
		3.4N,125.3E, Sangihe Is.			
		h = 126			
10	5	eP	07	17	54
		46.8N,153.7E,Kurile Is.			
11		ePKP	13	24	08
		17.8S,167.9E, New Hebrides Is.			
12		iP	15	03	57C
		eS		04	22
13	6	iP	03	31	27.5D
		i(pP)			53.5
		6.0N, 125.3 E. Near Coast of Mindano P.Is.			
		h = 143			
14		iP	21	33	30.5
		47.4N,155.9E, Kurile Is.			
15		iP	22	10	31
		iS		11	41
		33.9N,28.0E, Medit. Sea South East of Crete			
16	7	eP	12	01	23
		0.6N,126.7E, Halmahera reg.			
17	8	eP	15	58	28
		31.2N,130.2E, Near south Coast of Kyushu, Japan			
		h = 177			
18		iPKP	20	09	52.5
		17.0S, 171.8W, Samoa Is. reg.			
19		iP	21	47	13.5
		e(S)		48	33
20		eiPKP	07	22	27
		28.9S,177.4W,Kermadec Is.			
21	9	e	03	39	27
22	11	eP	08	25	16
23		ePKP	12	31	18
		45S,75.7W, Near Coast of S. Chile			
24		i(P)	17	25	10D
25	12	eP	06	04	11
		eS		05	09
26	12	eP	06	26	06
		36.1N,69.6E,Hindu tusk			
27		eP	23	34	28
		7.1N,125.2E, Mindans P. Is.			
28	14	eP	18	36	59
		45.7N,26.6E, Roumania			
29	15	eP	01	40	56
		68.9N,17.1W Denmark Strait			
30		eP	05	31	42
		69N,16.6W,Yan Mayen Is. reg.			
31		eP	15	06	36
		eS		08	2(3)
		36N,23.9E, Mediterranean Sea.			
32		ePKP	17	58	(20)
		17.1S, 179.6W, Fiji Is.			
		h = 276			
33		ePKP	19	45	20
		i			25
		20.5S,177.9W,Fiji Is.			
		eP	22	29	48
		31.3S, 13.4W, S. Atlantic Ocean			

No.	Date	Phase	G.	M.	T.
34	16	eP	21	21	5
		11.1S, 111.6E, South of Java			
35	17	eP	20	52	56
		25.6N, 125.2E, Ryukyu Is. h = 140			
36	22	eP	14	51	44
37	22	Seismometer out of action from 16.30			
		Until	23	09	30
38	27	eP	19	38	36
		41.2N, 49.8E, Caspian Sea, near Azerbaijan S.S.R.			
39	28	eiP	04	16	49
		43.5N, 144.6E, Near S. Coast of Hokkaido, Japan			
40		ePKP	12	32	
		2.6S, 149.9E, New Britain			
41		eP	13	13	59
		54.7N, 161.6W Alaska Peninsula			
42		iPKP	14	09	09 D
		19.7S, 178.1W. Fiji Is. h = 587			
43	28	ePKP	16	27	11
		31.2S, 177.7W Kermadec Is.			
44	29	iP	09	33	27C
		49.7N, 154.9E, Kurile Is. h = 126			
45	30	eP	10	24	15
		eP		28	16
		55.6S, 28.3W, Sandwich Is. reg.			
46		iP	15	16	30C
		local			
47	31	eP	05	18	38
		ePP		21	37
		e		24	35
		27.9N, 126.3E, Ryukyu Is.			
48		eP	15	09	5(2)
		35.8N, 25.9E Ionian Sea west of Crete			
49		eP	17	09	37
		41.4N, 50.2E, Turkmen S.S.R.			

No.	Date	Phase	G.	M.	T.
FEBRUARY 1963					
1	2	from	02	45	2.2.63
		to	06	49	3.2.63.
		seis. out of action			
2	4	eP	05	18	30
		27.3N, 54.2E, Southern Iran			
3		eP	07	22	08
		27.7N, 54.6E, S. Iran			
4		e	11	52	30
5		iP	23	33	31.5C
		48.5N, 154.9E, Kurile Is.			
6	5	eP	09	37	36
		e(S)		39	00
7		eP	12	36	37.5
		e(S)		37	46
8		e	13	24	05
9		ePKP	19	49	16
		31.9S, 179W, Kermadec Is.			
10		ePKP	20	58	15
		38.4S, 73.2W, near coast of Central Chile			
11	6	ePKP	06	12	40.5C
		18.1S, 177.6W, Fiji Is. reg.			
12		eP	18	29	37
		55.6N, 166.1 E, Komandorskie Is. region			
13	7	iPKP	01	42	2.1 D
		17.7S, 178.7W, Fiji Is. reg.			
14	7	iP	08	09	07.5
		eiS			30
		65 km. north of Haifa at sea			
15		eP	16	50	04
		14.4N, 53.3E, Gulf of Aden			
16	8	eP	06	07	30
		26.6N, 55.7E, Persian Gulf			
17	9	e	11	58	5(5)
18		eiP	16	17	34.5
		43.7N, 150.6E, Kurile Is. reg.			
19		eP	17	21	4(0)
20		eP	21	48	07
		44.6 N, 147.8E, Kurile Is. region			

No.	Date	Phase	G.	M.	T.
21	10 12	e 17.8S, 178.6W, Fiji Is. h = 583	23	25	(26)
22	13	iP ePP ePPP 24.5N, 121.8E, N.Formosa	09	01 04 06	44 52 26
23	13	ePKP 9.9S,160.8E, Solomon Is.	18	32	5(4)
24	14	eP 7.2S,128.2E, Banda Sea h = 197	07	17	50
25		iP 0.9N, 30W, Mid Atlantic Oc.	12	20	14.5
26		eiP 44.5N, 15.5E Near coast of Yugoslavia	13	23	26
27		e	18	03	28
28		eP 5.0S, 144.6E, Eastern new Guinea	22	22	(04)
29		iPKP 33.2S, 179.2W, Kermadec Is.	01	08	39
30	15	iPKP 14.9S, 178.7W, Fiji Is.Reg.	07	14	21
31	16	iP i eS 36.7N, 38E, near coast of Turkey h - 101	06	22 23 24	58.5C 00.0 19.6
32	17 from 18.2 to 19.2	iP Records damaged	15 10 8	28 45 30	42
33	19	iP iS	14	02	05.5 11.2
34	20	iP eiS	11	01 02	51.8C 50
35	21	iP 33.4F, 139.2E, S.of Honshu Japan h = 168	02	45	46.5
36		ePKP 20.5S, 173.9W Tonga Is. region	14	48	23
37		iP i(S) 32.7N,20.9E, near coast of Libya	17	17 19	23 29.5
38		iP eS 32.9N, 21.0E, near coast of Libya	18	35 38	52.6 03.6
39		iP iS 32.6N, 21.0E, near coast of Libya	20	29 31	31 39
40	22	eiP eS 32.9N, 21.1E, near coast of Libya	02	50 52	07 15.6
41		e 85N, 98.9E, north Polar region	07	20	09
42		eP 40.6N, 20.5E, Albania-Greece border	14	16	17
43	25	iP 24.4N, 123.4E Near east coast of Formosa	17	22	48.8C
44	26	eP iPP 7.5S, 146.2E, Eastern new Guinea. h = 171 km.	20	28 32	28 26
45	27	ePKP 6.0S, 149.4E, New Britain region	04	49	37.5
46	28	eP 16.3S, 66.0E, Indian Oc.	01	40	54
47		eiP	19	18	53.5

E. Arieh
Chief, Seismological Station

Note - Epicentre data from US.C. & G.S.

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No.	Date	Phase	G.	M.	T.	No.	Date	Phase	G.	M.	T.
1	1	eP	03	24	48	11		eP	15	17	03.5
		35.7N, 59.9E N.E. Iran M=4.8						1.1N, 29.9W, Mid Atlatic ocean M-5.2			
2		eP	10	58	13						
		41.2N, 142.9E Sonth of Hokkaiolo, Japan M=5.1				12	9	iP	02	23	11.5
								21.9N, 62E, (Arabian) Sea M=5.1			
3		eP	19	25	0(7)						
		1.4N, 29.6W, Atlantic ocean				13		eP	11	56	39
								Local			
4	2	eP	09	38	26.5	14		(iPKP)	23	02	36.5
		46.1N, 153.1E Kurile Is. reg. M=5.2						-D 21.5S, 179W, Fiji Is. Reg M=4.4 h=529			
5	4	iP	15	12	24	15	10	eP	03	05	15
		eis		14	00			24.7N, 122.1E Near east coast of Formosa M=4.9			
		35.2N, 25.4E, Crete M=4.8									
6	6	eP	04	07	0(5)						
		eS		08	4(2)	16		eP	14	04	03
								2.4N, 126.6E celebes sea			
7	7	e	03	41	52						
8		ePKP	05	41	53	17		eP	15	15	21
		27.0S, 113.5W, West of Easter Is. M=5.6 - 6¾						eS		16	09
						18	11	iP	07	29	14.4D
9		ePKP	12	35	28						
		44.3S, 75.3W, Near coat of S. Chile M=5.6						eiS		30	40.8
								38.1N, 29.3E Turkey Felt			
10		eP	20	20	48Local						
						19		eP	14	04	18
								eS			2(3)

No.	Date	Phase	G.	M.	T.
20	12	eP	12	40	(51)
		39.3N, 40.3E **Turkey** M=4			
21		eP	12	52	04.5
		eS			28
22	14	eP	08	12	01
		19N, 120.4E, off coast of N. Luzon P. Is. M=5			
23		eP	18	43	11.5
		46.5N, 153.4E Kurile Is. M=4.7			
24	15	iP	00	28	34
		8.4N, 126.4E, Mindano P. Is. M= 5 h= 117Km			
25	16	iP	08	57	24.5
		46.5N, 154.7E, Kurile Is. reg. M=6.2-7¾			
26	17	eP	14	20	36
		39.5N, 21.5E Greece M=4.8 h= 78Km			
27	18	ePKP	04	20	45
		26.6S, 176.7W, Kermadec Is. M=4.7			
28		iPKP	13	34	55C
		Fiji Is. reg. h=561Km			
29	20	iPKP	05	01	12C
		19.5S, 179W, Fiji Is. reg. M=5.2 h=680Km			
30	21	iP	04	12	32.4C
		36.5N, 140.9E Near east coast of Honshu, Japan M=5.2			
31	22	eiP	04	09	32.8
		46N, 148.4E Kurile Is. reg. M=4.9 h=115Km			
32		iP	22	29	36.5
		34.8N, 33E Cyprus			
33		eP	23	21	04
		eS			41
34		eP	23	22	39
		eS		23	17
35		eP	23	24	18.5
		eS			56.5
36		eP	23	36	01
		34.2N, 32.2E, Cyprus			
37		eiP	23	36	13
		eS			51
38		eP	23	52	03.5
		eS			41
39	23	eiP	00	33	24
		eS		34	03
40		eP	00	56	38
		eS		57	16
41		eS	20	43	58Local
42	24	eiP	02	20	17.5
		9.7S, 120.4E, Sumba Is. reg. M=5.4 - 6¼			
43		iP	09	55	54.6D
		9N, 125.6E Mindanao region, Philippine Islands M=5.2			
44		eiP	12	46	42
		34.4N, 47.9E, Western Iran M=5.2-5¾			
45		eP	13	50	52
		eS		51	29
46	26	ePKP	10	08	07
		29.7S, 177.8W Kermadec Is. M= 6¾-7			
47		ePKP	13	44	47
		29.8S, 177.9W, Kermadec Is. M=5.9-7¼			
48		iP	19	59	57C
		44.4N, 146.7E Kurule Is. M=5.6 h=110Km			

No.	Date	Phase	G.	M.	T.
49		eiP	21	46	46C
		36N, 135.7E, Near east coast of Honshu, Japan M=5.9-6 1/2			
50	28	iP	00	24	24C
		i		26	16C
		66.3N, 19.6W, Slight damage and several injured in northern Iceland. M=6½-7¼			
51		ePKP	11	32	21
		30.2S, 177.8W, Kermadec Is.			
52		eiP	15	14	24
		eiS			30
53		iPKP	23	49	04.4D
		29.6S, 177.5W Kermadec Is. M=5.1			
54	29	eP	03	11	50.5
		eS		13	54
		40.4N, 26.6E, N.W. Turkey M=4.4			
55		ePKP	21	38	31.5
		30.2S, 177.7W Kermadec Is. M=5			
56	29	iP	21	53	46.4
		eS		55	14
		35.6N, 28.6E Dedecamese Is. reg.			
57	30	iPKP	02	12	33.8D
		19.1S, 169.1E New Hebrides Is. m=6.1 h=160Km			
58		iP	17	04	19
		44.2N, 148E Knrile Is. M=5¼ - 6.3			
59	31	ePKP	05	50	38
		29.9S, 177.7W, Kermadec Is. M=5.7-6½			
60		iP	17	39	34.5
		0.8N, 96.6E Nicober Is. reg.			
61		ePKP	19	42	37
		30.0S, 178W Kermadec Is. M=5.8-6.5			

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April - 1963

No.	Date	Phase	G.	M.	T.
1	1	iP	04	40	18.5D
		44.8N, 141.1E off w. of Hokkaido, Japan h=255Km			
2		iP	15	30	53(Local)
3	2	ePKP	05	03	23
		29.7S, 177.1W, Kermadec Is.			
4		ip	16	31	50
		i_pP		32	32
		53.2W, 171.7W, Andeanaf Iso Aleutian Jsl M=5½-6½ h=142Km			
5	3	ePKP	11	41	40.4C
		29.6S, 177.2W, Kermadec Is. Reg. M=4,4			
6		ePKP	15	07	43
		55.4S, 128.2W, South Pacific Ocean M=5.8			
7		ePKP	19	13	05.8
		25.2S, 175.5W, Fiji Is. Reg. h=409Km.			
8	4	eP	22	20	15.8
		eS			44
		Lebanon			
9	6	eP	11	31	55,4
		63.4N, 149.5W, Central Alaska M=5.5			
10	7	e	04	14	31.6
11		iPKP	04	17	11,8
		24.5S, 177.0W, Tonga Is. Reg. M=4.7			
12		iP	10	43	04
		i(S)			19.5
13		iP	15	48	10.
14		iP	13	52	16
		ei(S)			18
15		iP	22	47	33.5C
		4.9S, 103.2E, Near S.W. Coast of Sumatra M=6.1 h=72Km.			
16	9	ePKP	02	21	05.5
		17.7S, 178.7W, Fiji Is. Reg. M=4.9 h=538Km.			
17		eP	15	30	(27)
		eS		31	04
18		eP	18	54	12.5
		10.5N, Phitippine Is. M=4.3			
19	10	eP	00	34	25
		eS		36	21
20	11	From	10	30	
		Untill	12	00	
		Seis. out of order			
21	12	From	09	00	
		Untill	10	20	
		Seis. out of order			
22		ePKP	21	08	07
		16.7S, 173.7W, Tonga Islands Rgion M=5.0			
23	13	e	02	35	25
		e		37	09
24		eP	14	08	25
		eS		09	30
25		eP	14	45	20
		e		48	14
		3.4S, 135.4E, Near N. Coast of New-Guinea M=5.6			
26	14	iPKP	05	52	27D
		31.4S, 177.8W, Keruadec Is. M=5			

No.	Date	Phase	G.	M.	T.
27	14	eP	23	27	39
		e(S)		28	16
28	15	ePKP	23	59	20.5
		18.3S, 173.7W, Tonga Is. Reg. M=5			
29	16	eP	01	42	34
		ePP		46	21
		0.8S, 128.0E, Halmahera M=6.1-7			
30		eP	01	50	22C
		1.2S, 128.4E, Halmahera Region M=6.3			
31		eP	02	08	22
		0.7S, 128E, Halmahera Reg. M=6			
32		eP	18	49	17
		35.4N, 44.3E - Iraq M=5.2 h=104Km.			
33		eP	19	31	(44)
		eS		33	37
34	17	ePKP	02	31	01
		19.6S, 178.6E, Fiji Is. M=5.9-6¾			
35	18	ePKP	02	10	44D
		20.3S, 177.7W, Fiji Is. Reg.			
36	19	eP	07	32	24
		35.3N, 25.2E, Crete			
37		iP	07	44	24D
		35.8N, 96.9E, Tsinghai Province China M=6.1-7			
38		iP	13	37	30C Local
39	20	iP	01	02	19
		46.4N, 151.1E, Kurile Is. h=102Km			
40		eiP	20	44	43D
		52.3N, 159.5E off Coast of Kamchatka M=5			
41	21	iP	09	29	10C
		26.8N, 128.5E, Ryukyu Is. Reg.			
42		eP	04	50	04.5C
		24.1N, 122.1E, Near east Coast of Formosa M=5.2			
43	22	ePKP	07	45	23
		29.9S, 177.6W, Kermadec Is. M=5.3			
44	23	eP	03	00	34
		46.9N, 103.7E, Outer Mongolia M=5.1			
45		e(S)	21	39	56
46	24	iPKP	22	01	27.6D
		e_PPKP		03	42
		20.8S, 179.1W, Fiji Is. Reg. M=5.1 h=603Km.			
47	25	e(P)	01	38	0(9)
		e(S)		39	3(4)
48		iP	08	24	33.8D
		e		26	48
		4.7N, 122.4E, Celebes Sea M=5.5 h=610Km.			
49		eP	15	53	23Local
		e(S)			33
50		iPKP	18	09	29D
		e_PPKP		11	17
		21.6S, 178.0W, Fiji Is. Reg. M=5 h=380Km.			
51	26	iP	23	56	45.4C
		off east coast of Formosa M=4.9			
52	27	eP	08	56	1(9)
		0.6S, 128.4E, Halamahera Reg. M=4.9			
53		eP	09	07	2(6)
		eS		08	0(7)
54		e	10	09	57
55	28	e	00	44	07
		e		45	50
56	29	eP	21	57	20
		51.4N, 178.6E Andreaof Is. Aleutian Is. M=6			
57	30	eP	01	11	35
		0.7S, 129.0E, Halmahera Reg. M=6¾			

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May - 1963

No.	Date	Phase	G.	M.	T.
1	1	eiPKP	10	22	27
		i_PPKP		23	04
		ePP		25	50
		19.0S, 169E, New Hebrides Is. Felt, M=6.2, h=140Km.			
2	3	iPKP	11	14	32C
		15.0S, 173.3W, Tonga Is. M=5			
3		eP	10	47	5(4)
		30.7N, 51.7E, Iran M=4.3			
4	4	e(P)	19	36	25
5	5	iPKP	17	31	36C
		17.5S, 173.7W, Tonga Is. Reg. M=5			
6	6	iP	08	50	59
		9.1S, 112.5E, Near south coast of J·..a M=5.0 h=84Km.			
7		eP	19	33	47
		39.5N, 20.6E, Greece Albania bordr M=5.1			
8	7	e	15	11	13
9	8	iP	10	34	33C
		36.6N, 141.0E, Honshu, Japan M=6.1			
10		eP	15	36	4(2)
		5.3N, 125.7E, off coast of Mindeno Philippine Is. M=5.6			
11	9	iP	09	40	20Local
12	10	ePKP	22	41	21.5
		2.2S, 77.6W Ecuador, Felt M=5.7-63/4			
13	11	iPKP	05	03	18.5
		15.4S, 177.1W, Fiji Is. Reg.			
14		eP	18	01	(19)
		24.2N, 12..5E, off east coast of Formosa M=4.5			
15	12	ePKP	10	02	12
		e		04	44
		Macquarie Is. Reg. 57.5S, 159.4E M=6.2			
16		iP	20	21	41D
		57.4N, 153.9W, Kodiak Is., Alaska M=5.9 h=80			
17		iP	20	49	33
		55.9N, 163.1E, Near east coast of Kamchatka M=5.1			
18	13	e	14	30	13
19	14	eP	15	50	5(3) Local
20	17	iP	04	19	06.6C
		45.3N, 150.8E, Kurile Is. Reg. M=5.6			
21		iP	06	21	09.4D
		15.7N, 120.1E, Near west coast of luzon Philippine h=180			
22		eP	12	21	16
		41.7N, 141.9E, South of Hokkaido, Japan h=4.8			
23		iPKP	22	59	52.4
		24.4S, 177.2W, Tonga Is. Reg. M=5.9			

No.	Date	Phase	G.	M.	T.
24	18	From	00		
		Seis. out of order			
	19	Untill	08	00	
25	19	iP	10	04	52
		46N, 14.7E, Northwestern Yugoslavia M=4.9			
26		e	19	55	49.6
27		iP	21	47	06.4C
		23.8N, 45.9W, North Atlantic Ocean M=6-6½			
28	20	e(P)	10	23	50
29		iPKP	11	57	47,5
		i		59	27,5
		30.7S, 178.3W, Kermasec Is. Reg. M=63/4 - 7.			
30	21	iP	14	31	19,5
		iS			32,5
31		eP	19	24	28
		iS		25	02
32	22	iP	14	09	12C
		28.6N, 154.7E, Kurle Is. Reg. M=6½			
33		eP	15	55	44.5
		4.3N, 127.9E, Molucca Passage M=5			
34		iP	22	05	43C
		8.2S, 115.7E, Java Sea M=5.6			
35	23	ePKP	03	52	34.5C
		e_PPKP		53	52
		15S, 176.7W, Fiji Is. Reg. M=5.4 h=279Km.			
36		eP	10	16	2(7)
37		eP	15	24	47
		6.0N, 126.1E, Near east coast of Mindano P. Is. M=5.5 h=88			
38		iP	15	27	29.5Local
39	26	eP	19	33	08
		15.0S, 35.2E, Mozambigue M=5			
40		eP	23	19	08
		55.2N, 159.9E, Near east coast of Kamchatka			
41		iPKP	00	19	50
		19.7S, 174.3W, Tonga Is. M=5			
42	27	eP	04	11	00
		55.3N, 160.1E, Near east coast of Kamchatka M=51/4 - 5.7			
43	28	iP	12	56	01
		iS			02
44		iP	21	16	26.7C
		47.5N, 152.4E, Kurile Is. Reg. M=4.9 h=120			
45	29	eP	oo	51	26.6
		28.3N, 52.2E, Western Iran M=4.8			
46		iPKP	01	21	57.7D
		18.1S, 178W, Fiji Is. Reg. M=4.4 h=472			
47		iP	08	39	53C
		27.2N, 59.3E, Southern Iran, M=5.4			
48		iP	10	33	38.5
		i(S)		35	30
49		iPKP	11	17	52D
		18S, 178W, Fiji Is. M=4.8 h=550			
50		eP	11	33	38,2
51	30	iP	14	24	01.5
52	31	ePKP	06	23	24.5D
		15.1S, 173.3W, Tonga Is. Reg.			
53		iP	14	25	45
		iS			46
		very small			

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Jerusalem Provisional Readings
Bulletin No. 95

May - 1963

No.	Date	Phase	G.	M.	T.
1	1	eiPKP	10	22	27
		i_PPKP		23	04
		ePP		25	50
		19.0S, 169E, New Hebrides Is. Felt, M=6.2, h=140Km.			
2	3	iPKP	11	14	32C
		15.0S, 173.3W, Tonga Is. M=5			
3		eP	10	47	5(4)
		30.7N, 51.7E, Iran M=4.3			
4	4	e(P)	19	36	25
5	5	iPKP	17	31	36C
		17.5S, 173.7W, Tonga Is. Reg. M=5			
6	6	iP	08	50	59
		9.1S, 112.5E, Near south coast of Java M=5.0 h=84Km.			
7		eP	19	33	47
		39.5N, 20.6E, Greece Albania bordr M=5.1			
8	7	e	15	11	13
9	8	iP	10	34	33C
		36.6N, 141.0E, Honshu, Japan M=6.1			
10		eP	15	36	4(2)
		5.3N, 125.7E, off coast of Mindeno Philippine Is. M=5.6			
11	9	iP	09	40	20Local
12	10	ePKP	22	41	21.5
		2.2S, 77.6W Ecuador, Felt M=5.7-63/4			
13	11	iPKP	05	03	18.5
		15.4S, 177.1W, Fiji Is. Reg.			
14		eP	18	01	(19)
		24.2N, 12 .5E, off east coast of Formosa M=4.5			
15	12	ePKP	10	02	12
		e		04	44
		Macquarie Is. Reg. 57.5S, 159.4E M=6.2			
16		iP	20	21	41D
		57.4N, 153.9W, Kodiak Is., Alaska M=5.9 h=80			
17	[illegible]	iP	20	49	33
		55.9N, 163.1E, Near east coast of Kamchatka M=5.1			
18	13	e	14	30	13
19	14	eP	15	50	5(3)
					Local
20	17	iP	04	19	06.6C
		45.3N, 150.8E, Kurile Is. Reg. M=5.6			
21		iP	06	21	09.4D
		15.7N, 120.1E, Near west coast of luzon Philippine h=180			
22		eP	12	21	16
		41.7N, 141.9E, South of Hokkaido, Japan h=4.8			
		iPKP	22	59	52.4
		24.4S, 177.2W, Tonga Is. Reg. M=5.9			

No.	Date	Phase	G.	M.	T.
24	18	From	00		
		Seis. out of order			
	19	Untill	08	00	
25	19	iP	10	04	52
		46N, 14.7E, Northwestern Yugoslavia M=4.9			
26		e	19	55	49.6
27		iP	21	47	06.4C
		23.8N, 45.9W, North Atlantic Ocean M=6-6½			
28	20	e(P)	10	23	50
29		iPKP	11	57	47,5
		i		59	27,5
		30.7S, 178.3W, Kermasec Is. Reg. M=63/4 - 7.			
30	21	iP	14	31	19,5
		iS			32,5
31		eP	19	24	28
		iS		25	02
32	22	iP	14	09	12C
		28.6N, 154.7E, Kurle Is. Reg. M=6½			
33		eP	15	55	44.5
		4.3N, 127.9E, Molucca Passage M=5			
34		iP	22	05	43C
		8.2S, 115.7E, Java Sea M=5.6			
35	23	ePKP	03	52	34.5C
		e_pPKP		53	52
		15S, 176.7W, Fiji Is. Reg. M=5.4 h=279Km.			
36		eP	10	16	2(7)
37		eP	15	24	47
		6.0N, 126.1E, Near east coast of Mindano P. Is. M=5.5 h=88			
38		iP	15	27	29.5Local
39	26	eP	19	33	08
		15.0S, 35.2E, Mozambigue M=5			
40		eP	23	19	08
		55.2N, 159.9E, Near east coast of Kamchatka			
41		iPKP	00	19	50
		19.7S, 174.3W, Tonga Is. M=5			
42	27	eP	04	11	00
		55.3N, 160.1E, Near east coast of Kamchatka M=51/4 - 5.7			
43	28	iP	12	56	01
		iS			02
44		iP	21	16	26.7C
		47.5N, 152.4E, Kurile Is. Reg. M=4.9 h=120			
45	29	eP	oo	51	26.6
		28.3N, 52.2E, Western Iran M=4.8			
46		iPKP	01	21	57.7D
		18.1S, 178W, Fiji Is. Reg. M=4.4 h=472			
47		iP	08	39	53C
		27.2N, 59.3E, Southern Iran, M=5.4			
48		iP	10	33	38.5
		i(S)		35	30
49		iPKP	11	17	52D
		18S, 178W, Fiji Is. M=4.8 h=550			
50		eP	11	33	38,2
51	30	iP	14	24	01.5
52	31	ePKP	06	23	24.5D
		15.1S, 173.3W, Tonga Is. Reg.			
53		iP	14	25	45
		iS			46
		very small			

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June - July - 1963

No.	Date	Phase	G.	C.	T.	No.	Date	Phase	G.	C.	T.
1	1	ePKP	00	18	38C	11	5	eP	01	14	52
		15.1S, 173.4N, Samoa Is. reg. M=5.4						eS		15	18
						12		ePKP	14	27	24
2		iP	20	40	02.6C			17.2S, 176.7W, Tonga Is. reg. M=4.8			
		39.0N, 15.0E, Mediterranean Sea M=4.4				13		e	22	02	5(8)
3		ePKP	12	50	46.8			i		04	49.8
		15.0S, 172.4W, Tonga Is.				14		eP	23	07	09.8
4		iPKP	21	33	41.5C			3.0S, 119.5E, Celebes h=75Km.			
		15.2S, 173.5W, Samoa Is. reg. M=5.5				15	6	iP	05	30	42.4D
5	2	iP	14	23	49.2Local					33	39.6
6	3	iP	07	48	15.4			19.9N, 120.2E, off north coast of Luzon, Philippine Is. M=5.8			
		34.2N, 138.7E, Honshu, Japan M=5.3				16		iP	08	31	23.5D
7	4	ePKP	12	14	01.8D			6.7N, 24.7E, Nicobar Is. reg. M=5.5			
		30.5S, 177.8W, Kermadec Is. M=5.1				17		eP	12	16	24.5C
8		iPKP	13	25	49.0C			37.8S, 77.9E, 1500km. of Kerguelen Is. M=5.3			
		30.4S, 177.6W, Kermadec,Is. M=5.2				18		ePKP	18	01	47.6
9		eP	21	17	53			14.3S, 167.3E, New Hebrides Is. M=4.7 h=169Km.			
		1.2S, 127.3E, Halmaahera Reg. M=5.2				19	7	eP	06	55	20
10		eP	22	14	44			es		56	43
		39.0N, 20.6E, Greece M=4.7				20		eP	15	54	26.5
								15.3S, 178.9W, Fiji Is. reg. M=4.9			

No.	Date	Phase	G.	C.	T.
21	7	iP	16	01	33C
		19.0N, 121.8E, off N. coast of Luzon P. Is. M=4.7			
22		iPKP	22	51	45
		15.2S, 173.1W, Samoa Is. reg. M=4.6			
23		iPKP	22	57	20
		15.3S, 173.2W, Samoa Is. M=5			
24	8	iPKP	01	21	42.0D
		15.1S, 173.0W, Samoa Is. reg. M=4.6			
25	9	eP	20	49	24
		10.7N, 41.9W, Mid Atlantic Ocean M=5			
26	10	ePKP	04	35	40.5
		55.4S, 146.4E, Macquarie Is. M=6½			
27		ePKP	06	58	10
		55.3S, 146.1E, 800Km. west of Macquarie Is. M=6-6½			
28		eP	10	59	29
		50.9N, 160.2E, coast of Kamchatka M=5.3			
29	11	iP	03	31	42.5
		37.1N, 70.3E, Hindu Kush M=4.3			
30		iP	18	15	32.5
		30.7N, 86.9E, Tibet M=4.5			
31	13	eP	08	41	5(9)
		eS		44	5(4)
		38.7N, 14.8E, off N. coast of Sicily M=4.4			
32	14	iP	13	02	26C Local
33	19	iP	09	21	51.5C
		4.7N, 126.5E, Talond Is. reg. M=6.2 h=83Km.			
34		iP	10	56	17.4C
		25.0N, 92.1E, Assam, India M=5.7			
35		eP	23	14	25.2
		31.5N, 140.3E, South of Honshu, Japan M=5-5½			
36	20	iP	01	08	40.6
		36.3N, 144.5E, off east coast of Honshu, Japan M=5.1			
37		iPKP	23	06	12.2D
		27.9S, 176.6W, Kermadec Is. M=5.2			
38	21	i	00	28	20.4
39		iP	15	35	22.4C
		25.2N, 92.2E, Eastern India M=5.6			
40	23	ePKP	04	09	23.2
		29.6S, 177.9W, Kermadec Is. reg. M=5			
41		eP	10	17	07
		eS		18	13
42		iP	04	39	29.4D
		59.5N, 151.7W, Cook Inlet M=5.7-6.7			
43	24	From	07		
		Seis. out of order			
	25	Untill	08	14	
44		eP	14	44	33
		8.4S, 106.5E, Near South coast of Java M=5.4 h=78			
45		iP	15	01	56
		iS		01	58 Local
46		iPKP	16	23	40.7C
		20.4S, 176.1W, Tonga Is. reg. M=4.3 h=250			
47	26	iP	09	54	25.0
		4.6N, 126.3E, off coast of Mindanao, P.I. M=4.9			
48		e	16	01	23
49	27	iP	07	20	51.4C
		60.5N, 140.7W, Yukon Territory			
50		iP	15	42	30.2
		14.4N, 93.7E, Andoman Is. reg. M=5.2			
51	28	iP	02	39	36.4C
		27.5S, 66.1E, Indiam Ocean M=6			

July

No.	Date	Phase	G.	C.	T.
52	28	eP	13	58	32
		1.3 N, 97.4 E., Near coast of Sumatra M=5			
53		iP	22	08	10.2
		46.5 N, 153.2 E., Kurile Is. region. M=6.1 - 6 3/4			
54		eP	22	37	35.4
		46.7 N, 153.4 E., Kurile Is. region. M=5.1			
55		iP	23	09	35.4C
		46.4 N, 153.4 E., Kurule Is. region. M=4.8			
56	29	iP	00	06	27.4C
		46.4 N, 153.5 E., Kurile Is. region. M=5.3			
57		eP	02	34	18.4
		46.2 N, 153.3 E., Kurile Is. region. M=4.4			
58		eP	20	29	12.7
		46.3 N, 153.5 E., Kurile Is. region. M=4.6			
59	30	eP	00	08	15.2
		eS		10	05
		35.4 N, 23.7 E., Mediterranean Sea M=4.4			
60		iP	06	56	47.0C
		2.5 S, 102.4 E., Sumatra M=5.5 h=160Km			
61		iP	07	43	56.2C
		33.3 N, 49.1 E, Western Iran M=5.0			
62		e	18	25	29
63		iP	22	17	24C
		46.5 N, 153.3 E., Kurile Is. region M=4.9			

No.	Date	Phase	G.	C.	T.
	July				
1	1	iP	21	19	22.2
		37 N, 96.1 E., Tsinghai Prov. China. M=5.3			
2		eP	22	52	25.3
		46.5 N, 153.6 E., Kurile Is. M=4.5			
3	2	e	00	23	03
4		e	03	50	30
5		iP	19	13	20.0
		Near			
6	3	eP	08	51	51
7	4	eP	11	17	41.5D
		26.3 S, 177.7 W., Tonga Is. region. M=6.5 - 7 h=158Km.			
8		eP	23	07	16.5C
		18.5 S, 12.6 W., St. Helana Is. region M=5¼-5½			
9	5	eP	23	32	5(2)Local
10	6	iP	13	38	31
		20.0 N, 57.6 E, Southeastern Iran M=4.7 h=80Km.			
11	8	eP	09	02	20.5
		26.7 N, 55.7 E, Near south Coast of Iran M=4.8			
12		eP	11	15	07.5
		0.3N, 17.8 W., Mid. Atlantic Ocean. M=4.9			
13		iP	16	04	19
		iS		05	42.5
		36.6 N, 28.0 E., Near South coast of Turkey. M= 4.7			
14	9	iP	03	17	10.5
		46.3N, 153.7 E., Kurile Is. region. M=4.8			
15		iP	17	46	17C
		24.2 N, 122.4 E., Near east coast of Formosa M=4.8			
16	10	iP	03	27	14
		46.3 N, 153.4 E., Kurile Is. region. M=4.8			

No.	Date	Phase	G.	C.	T.
17	10	eP	05	35	29
		46.3 N, 152.9 E., Kurile Is. region. M=5.6			
18		iPKP	17	08	38.6
		30.2 S, 17.8 W., Kermadec Is. region. M=4.7			
19	12	iP	15	40	40D
		i_pP		40	51
		46.8 N, 153.6 E., Kurule Is. region. M=5 - 5¼			
20		eP	23	54	43.5
		33.9 N, 140.7 E, off S. coast of Honshu, Japan. M= 4.4 h= 73Km.			
21	13	iP	08	27	38.8
		29.6 N, 51.0 E., Near coast of Iran. M= 5.0			
22		iP	14	10	53
		44.3 N, 148.8 E, Kurile Is. M= 4.6			
23		iP	14	18	08.4
		24.3 N, 122.3 E., Ryukyu Is. M= 4.9			
24	14	iPKP	00	22	17C
		30.5 S, 177.2 W, Kermadec Is. region. M=5.3			
25		ePKP	04	19	05
		30.5 S, 177.3 W., Kermadec Is. region. M=4.7			
26		eP	05	54	5(1)
		10.4 N, 62.6 W., off coast of N. Venezuala M=5.5 - 6			
27		ePKP	14	48	14
		30.2 S, 177.4 W, Kermadec Is. M=5.1			
28		eP	15	51	12.5Local
		eS			19.5
29		e	17	22	03
30		ePKP	17	25	59
		39.4 S, 174 E., North Is. N.Z. M=6			
31	16	iP	18	30	17.5
		43.1N, 41.5 E., Georgia S.S.R. M=5.8			
32		ePKP	19	28	21.5
		30.6 S, 177.2 W., Kermadec Is. M=5.0			
33	17	eP	12	00	05.6
		43.1 N, 41.5 E., Georgia S.S.R. M= 5.3			
34	18	ePP	05	16	2(8)
		61.0 S, 22.3 W., Sandwich Is. region. M=6			
35		e(S)	17	42	41.2
36		eP	0.5	50	44.3D
		43.3 N, 8.1 E., Liguian Sea M=5.6			
37	19	eP	09	13	06
		36.3N, 141.0 E., Near east coast of Honshu, Japan. M=4.6 h=70			
38		e	22	35	10
39	20	ePKP	06	55	22
		57.6 S, 148.5 E., Macqua ie Is. reg.			
From	20		15	Untill	
	21		08	55	Seis. out of order.
40		iP	14	57	27
		9.7 N, 122.3 E., Negros, Philippine Is.			
41	22	iP	22	17	43C
		i(S)		18	43
42	24	eP	11	43	58.2
		24.6 N, 122.0 E., Near east cost of Formosa M=5.3			
43	25	eP	15	46	16.5Local
		iS			21.5
44	26	eP	04	20	46
		eS		23	11.6
		21.5 E, 42.1 N., Skopie M=6.0			

No.	Date	Phase	G.	C.	T.	No.	Date	Phase	G.	C.	T.
45	26	iP	16	13	42.8	61		iPKP	15	24	28.4
		eS		15	06			29.9 S, 177.4 W., Kermadec Is.			
46		iP	19	48	19C						
		eS		49	36	62	31	ePKP	02	04	07
		36.4 N, 29.1 E., Dodecenese Is.						29.8 S, 177.2 W., Kermadec Is.			
47		iP	20	10	27	63		eP	21	51	34
		e(S)		11	49.5					Near	
48	27	eP	06	03	47.0						
		45.5 N, 8.4 E., Ligurian Sea. M=5.1									
49		iP	13	47	01						
		eS			53.5						
		34.3N, 23.1 E., Crete M=4.3									
50	28	eP	08	07	59						
		11.3 S, 112.1 E., off coast of Java M=5.1									
51		eP	19	03	4 5						
		46.6 N, 153.1 E., Kurule Is. region. M=5.0									
52		eP	20	15	4(1)						
		eS		16	23						
53	29	iP	06	14	35C						
		27.8 N, 55.6 E., Southern Iran M=5.2									
54		e	15	58	32.0						
55		ePKP	20	33	58.0						
		30.2 S, 177.3 W., Kermadec Is. M=6½ - 63/4									
56		ePKP	23	38	36						
		30.1 S, 177.1 W., Kermadec Is. M=4.5									
57	30	eP	01	26	(43.5)						
58		iP	04	24	50.4						
		iS		26	12						
		41.4 N, 39.0 E., Eastern Turkey.									
59		ePKP	06	05	47.5						
		29.6 S, 177.3 W., Kermadec Is. region.									
60		ePKP	14	42	58.0						
		29.5 S, 177.1 W., Kermadec Is. region. M=5.2									

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Geological Survey

Division of Quaternary & Recent Geology
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August 1963

No.	Date	Phase	G.	C.	T.
1	1	i	07	55	27
2		iPKP 29.8S; 177.2 W Kermadec. Is. M=4.8	15	41	02
3	3	i	04	06	19.3
4		iP 7.7N,35.8W, Mid-Atlantic Ocean M=4.3	10	32	47.3
5		iPKP 30.7S,178.3W,Kermadec Is. M=5.2	20	45	56.6C
6	4	iP 35.7 N, 140.1E Honshu Japan, M=4.7	11	55	40
7		i	14	55	39
8	4	eP 9.4S,114.2E,south of Java h=117 km,M=5.5	07	21	19
9	5	iPKP 17.5S,179.1W, Fiji Is. region,h=515km,M=5.2	00	12	56.5
10	6	e(s)	01	51	35.6
11		iP 57N,33.6W,North Atlantic Ocean M=5.1	13	45	51
12		iPn iSn	23	46 47	43 54
13	7	eP eS	02	05 06	16 1(0)
14		eP eS	02	11 12	59 52.5
15	7	eP 54.0N,142.1E, Sakhalin Is. U.S.S.R. h=600 km M=5.1	04	45	18
16	8	iP 54.2N,168.1E, Fox Is. Aleutian Is. M=5.5	02	27	33.4
17	9	eP 44.5N, 11.9E, Northern Italy M=4.9	06	10	26
18		eP	13	59	27
19		iPKP 15.3 S,175.7W, Fiji Is. reg. M =5.5	14	56	29C
20		iP	21	35	13.3D
21	10	eP 28.1N, 53.3E, Southern Iran M=4.8	04	31	17
22		i	09	54	44
23		iP iS	16	00 02	33.4 15.4
24	12	iP 25.3N, 62.7E, near coast of West Pakistan M=5.2	18	35	04
25		eP	07	23	40
26	13	iPKP 19.3S, 173.7W Tonga Is. M=5.1	22	12	30.6C
27	14	i(P)	03	06	37C
28		e	21	03	05.2
29	15	iP 27.9N,139.6E, Bonin Is. h = 476 km M=4.7	02	29	11.2C

No.	Date	Phase	G.	M.	T.
30		iP	06	23	54.4C
		37.9N, 141.6E Near East Coast of Honshu, Japan			
31		eP	17	38	57
		13.8S,69.3W, Peru,Bolovia border. h=543 km.M=7¾			
32		i	18	21	01.5
33	16	eP	12	42	58.6
		i(S)		43	40.5
34		iP	23	17	06.5
		12.8S,14.5W, South Atlantic Ocean M=5.1			
35	17	iP	11	24	44.5C
		30.6N,130.9E, Ryukyu Is. reg.			
36	18	eP	18	56	30
		50.3N, 176.9W, Andreanof Is. M=5.5			
37		e	20	47	36
38	19	e	04	43	54.2
39		eP	08	01	58
		eS		03	35
40	20	iP	16	00	27.5D
		41.2N,142.7E,off east coast of Honshu, Japan M=4.5			
41	21	eP	08	21	52
42	22	iPn	12	06	59
		iS		07	52.5
43		eP	18	48	11
44		ePKP	20	11	22.5
		9.4S,158E, Solomon Is. M=6¾-7			
45	23	i(P)	13	21	51C
46	25	iP	06	13	35
		38.9N,38.4E Central Turkey, M=4.8			
47		iPKP	12	36	48.5D
		17.5S,178.8W, Fiji Is. reg. H=565km M=6-6.5			
48	29	iPKP	15	49	17.5C
		7.1S,81.6W off coast of of Peru, M=6.1-6.5			
49	21	iPKP	21	17	21.5
		15.5S,172.9W, Tonga Is. Reg. M=4.9			
50	30	iP	00	28	51C
		8.7S,108.6E,off south coast of Java M=5.1			
51		iP	14	11	57C
		23.4S,175.4W, Tonga Is. m=4.9			
52	31	e	21	52	09.2

E. Arieh
Chief, Seismological Station

N.B. Epicentre data according to U.S.C.G.S.

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Jerusalem Privisional Readings

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September 1963

No.	Date	Phase	G.	C.	T.
1	1	eP	15	33	43
		eS		34	37
2	2	eP	01	41	08
		33.9 N, 74.7 E, Northern India M=5.1			
3		iP	13	36	45.6D
		Local?			
4		e	23	57	28.5C
5	4	eP	05	12	13.4
		36.1 N, 5.3 E, Near coast of Algieria, M=5.2			
6		iP	11	58	49
		iS	12	00	25.5
7		iP	13	42	57.6D
		iPP		45	18
		71.4 N, 73.3 W, Near east coast of Baffin Is. M=5.9 - 6.5			
8	5	iP	01	14	39.5C
		17.8 S, 178.5 W, Fiji Is. M=4.6 h=558Km.			
9		iP	11	06	03
		iS			43.5
10		eP	22	07	57.5
		eS		08	28.6
11	6	eP	06	15	37.3D
		36.4 N, 130.6 E, Sea of Japan. M=5.4			
12	6	iPKP	10	35	30C
		24.0 S, 179.9 E, Kermadec Is. reg. M=5.2 h=500Km.			
13	7	eP	01	28	42C
		36.4 N, 130.6 E, off east coast of south Korea M=5.3			
14		iP	07	26	08.5D
		45.4 N, 150.8 E, Kurile Is. M=5.2			
15		iP	12	56	13.2C
		54.0 N, 160.3 E Kamchatka M=5.4 h=110Km.			
16		eP	19	41	31.8
		iS		42	23.5
17		e	20	13	33
18	8	iPKP	01	07	20C
		28.1 S, 178.8 W, Kermadec Is. reg. M=5.3			
19		ePKP	09	25	52
		36.2 S, 100.5 W, About 1500Km. S. E. of Easter Is. M=4.7			

No.	Date	Phase	G.	C.	T.
20	8	ePKP	20	09	11.5D
		23.6 S, 179.8 E, Fiji Is. reg. M=5.7 h=550Km.			
21	9	ePKP	03	04	28.3C
		4.4 S, 152.7 E, New Britain. Felt M=5.6			
22	10	iPKP	06	44	01
		i			06
		23 S, 179.8 E, Fiji Is. M=4.8 h=520Km.			
23		e	11	55	(30)
24		eS	13	11	05.2
		iS		12	39
25		e	16	15	(47)
26		iP	21	14	52.2 D
		e(S)		15	11
27	11	ePKP	22	40	22
		S. of Kermadec Is. M=4.9			
28	12	iP	08	10	22.8C
		iS		11	07.2
		Cyprus			
29		iP	08	19	52.5D
		34.9 N, 32.2 E, Cyprus. Felt Nicosia, Paphos M=5.0			
30	13	ePKP	21	30	31
		33.3 S, 178.1 W, Kermadec Is. reg. M=5.1			
31	14	ePKP	00	57	57
		31.3 S, 179.1W, Kermadec Is. M=5.1			
32		e	04	12	06.5D
33	15	iPKP	01	06	01D
		ePP		08	05
		10.3 S, 165.6 E, Santa cruz Is. Felt. M=7¼-7½			
34	16	Fromm	14	30	Untill
	17		06	00	
		Seismometer out of order			

No.	Date	Phase	G.	C.	T.
35	17	ePKP	19	39	19
		ePP		41	35
		10.1 S, 165.3 E, Santa cruz Is. Felt. M=7¼			
36	18	eP	17	00	38
		eS		02	52
		40.9 N, 29.5 E, Turkey M=6.2			
37	22	ePKP	03	15	58
		19.3 S, 175.9 E, Fiji Is. region. M=5.8			
38		eP	10	44	52
		29.3 N, 55.3 E, S. Iran			
39	23	eP	06	49	20
		16.3 S, 28.6 E, Northern Rhodesia. M=5.5			
40		iP	09	10	39.2D
		16.6 S, 28.8 E, Northern Rhodesia. M=5.8			
41		eP	18	36	59
		iPP		37	23
		29.6 N, 50.9 E, Persian Gulf. M=4.7			
42		eP	19	23	04
43	24	eP	02	13	10
		eS		15	1(7)
		40.8 N, 29.2 E, Turkey			
44		ePKP	16	48	52
		i		59	30
		10.6 S, 78.0 W, Near coast of Peru. M=6 - 7 h=80Km.			
45	25	iP	07	12	38 D
		16.7 S, 28.7 E, Northern Rhodesia. M=5.8			
46		e	14	08	10
		e		09	41
47		eP	23	49	4(2)
		eS		51	0(8)

No.	Date	Phase	G.	C.	T.
48	27	iP	11	16	53.2C
		11.3 N, 126.0 E, east coast of Leyte, Philippine. M=5.3			
49	28	e	00	28	2[illegible]
50		iPKP	07	17	13D
		31.5 S, 179.6 E, Kermadec Is. M=5.0 h=457			
51	29	eP	15	17	52
		e(S)		19	1(1)
52		iP	13	37	29C
		eS		38	5(0)
		36.6 N, 29.2 E, Near north coast of Turkey. M=4-5			
53		e	15	43	51
54		eP	19	47	37
		6.0 N, 125.3 E, Mindano, Philippine Is. M=5.3 h=117Km.			
55		iP	22	20	01.5D
		eS		22	30
		36.6 N, 18.3 E, Ionino Sea			

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Eli Arieh
Chief, Seismological
Stations

State of Israel
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Geological Survey

Division of Quaternary & Recent Geology
Seismological Station

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Jerusalem Provisional Readings
Bulletin No. 99
October 1963

No.	Date	Phase	G.	C.	T.
1	1	eP	17	24	29
		eS		26	29
		36.1N, 22.3E. South of Greece h = 106 km. M=4.6			
2	2	ePKP	06	07	01
		20.8S,174.1W, Tonga Is. M=5.3			
3		iP	21	07	35
		eS		09	21
		31.5N, 23.5E, Near West coast of Crete, M=4.5			
4	3	eP	14	51	1(1)
		e(S)		52	5(8)
5		iP	23	36	34c
		32.2N,131.6E, Kyushu, Japan			
6	4	ePKP	03	07	27
		20.7S, 174W, Tonga Is. M=5.3			
7		eP	13	35	20
		18.1N, 60.1E, Arabian Sea M=5.3			
8		eP	17	03	51
		eS		05	39
		34.9N,23.1E, West of Crete			
9	5	iPKP	02	15	19.2C
		16.0S, 173.2W, Tonga Is. M=5.5			
10		eP	02	31	2(8)
11		eP	04	42	29
		eS		44	22
		34.7N, 22.9E, West of Crete M=4.5			
12		ePKP	05	35	23
		15.9S, 173.2W, Tonga Is. M=4.9			
13	5	iP	15	02	32
		11.6N, 42.8E. French Somaliland M=5.3			
14		iP	17	23	10C
		11.7N, 42.6E. French Somaliland			
15	7	i	00	34	22.4
16		eP	04	31	45
		eS		33	06
17		ePKP	13	33	07
		23.6S,179.9E, Fiji Is.reg. M=5.7			
18		eP	23	44	31
		42.7N, 110.5E, Outer Mongolia,inner Mongolia border M=4.9			
19	8	iPKP	00	36	48.5
		15.1S,173.2W, Samoa Is. region M=5½-6			
20		eP	05	43	51
		39N, 20.4E, Near Ionian coast. M=4.3			
21	9	iPKP	05	33	18C
		18.6S,173.7W, Tonga Is. M=4.6			
22	12	iP	11	39	22.4C
		44.8N,149E, Kurile Is. M=6¾			
23		eP	12	05	23
		46.0N, 148.8E, Kurile Is.			
24		iP	12	14	46
		44.4N,149.6E, Kurile Is. M=4.5			
25		iP	13	19	32.5
		44.5N,149.4E, Kurile Is. M=4.8			

No.	Date	Phase	G.	M.	T.
26	12	eP	16	24	20
		44.4N,149.7E, Kurile Is. M=4.4			
27	13	iP	05	30	20.5C
		44.8N,149.5E, Kurile Is. M=8¼			
28		eP	07	15	50
		45.5N,150.6E, Kurile Is. M=5.6			
29		iP	07	31	41
		45N,151.4E, Kurile Is. M=4.8			
30		eP	07	48	06
		45.5N,151.8E, Kurile Is. M=4.6			
31		iP	09	28	52.4C
		44.6N,149.6E, Kurile Is. M=4.9			
02		eP	10	19	07
		44.2N,150.2E, Kurile Is. M=4.5			
33		eP	10	22	56
		44.5N,149.6E, Kurile Is. M=4.7			
34		iP	10	46	28
		44.4N,150.3E, Kurile Is. M=4.7			
35	13	eP	12	18	32
		45.0N,150.8E, Kurile Is. M=4.6			
36		eP	12	42	09C
		45.9N,151.8E, Kurile Is. M=5			
37		iP	12	54	37C
		44.4N,149.4E, Kurile Is. M=5.2			
38		eP	13	10	47C
		45.0n,150.1 E, Kurile Is. M=5.4			
39		eP	13	33	25
		44.5N,149.3E, Kurile Is. M=4.5			
40		eP	14	06	57
		44.9N,151.7E, Kurile Is. M=4.8			
41		eP	14	38	38
		44.5N,149.5E, Kurile Is. M=5.1			
42		iP	16	12	19
		45.6N,150.5E, Kurile Is. M=6.1			
43		eP	17	02	11
		44.5N,150.4E, Kurile Is. M=4.5			
44		eP	17	38	25
		44.5N,150.4E, Kurile Is. M=4.6			
45	13	eP	18	23	24
		44.0N,149.2E, Kurile Is. M=4.7			
46		iP	18	26	11
		44.2N,149.4E, Kurile Is. M=4.7			
47		eP	19	38	33
		45.7N,151.5E, Kurile Is. M=4.6			
48		iP	19	40	06
		45.7N,151.7E, Kurile Is. M=4.6			
49		iP	22	07	32D
		44.7N,152.1E, Kurile Is. M=5.2			
50		iP	22	15	27C
		45.1N,150.9E, Kurile Is. M=4.9			
51	14	eP	00	04	52
		44.5N,150.1E, Kurile Is. M=5.5			
52		eP	00	15	30
		45.0N,150.9E, Kurile Is. M=4.7			
53		eP	00	31	47
		44.5N,150.5E, Kurile Is. M=4.4			
54		eP	01	31	47
		44.3N,151.2E, Kurile Is. M=4.4			
55		eP	04	18	28.5
		44.9N,150.2E, Kurile Is. M=5.3			
56		iP	04	23	43
		44.7N,150.6E, Kurile Is. M=5.3			
57		iP	04	25	32
		44.9N,150.7E, Kurile Is. M=5.2			
58		eP	05	36	42
		44.5N,151.0E, Kurile Is. M=4.9			
59		iP	13	34	13.2C
		44.8N,151.0E, Kurile Is. M=5¾			
60		eP	22	48	01
		44.5N,150.6E, Kurile Is. M=5			
61	15	ePKP	07	26	55
		20.5S,173.9W, Tonga Is. M=5.1			
62		eP	08	12	41
		45N,151.1E, Kurile Is. M=4.9			
63		iP	09	14	34.3D
		45.3N,150.2E, Kurile Is. M=5.4			
64		iP	09	44	35D
		45.2N,150.2E, Kurile Is. M=5.5			
65		iP	10	59	37C
		44.6N,149E, Kurile Is. M=5.4			

No.	Date	Phase	G.	C.	T.
66	15	eP	10	08	03D
		67.2N,18.4W. North of Iceland M=5½			
67		iP	12	06	16D
		45.1N,151.9E, Kurile Is. M=4.8			
68		eP	18	36	26.4
		45.3N,151.0E, Kurile Is. M=4.9			
69		eP	20	53	57.6
		45.4N,151.1E, Kurile Is. M=4.9			
70	16	eP	05	28	05.5
		44.8N,150.4E, Kurile Is. M=5.2			
71		iP	08	46	12
		45.6N,151.9E, Kurile Is. M=5.			
72		iP	10	43	23
		45.2N,150.4E, Kurile Is. M=5			
73		eP	15	49	25
		38.6N,73.4E, Tadzhik S.S.R. M=5.9			
74		eP	19	06	55
		28.8N,58E, Southern Iran, M=4.8			
75		iP	21	43	19
		44.4N,150.9E, Kurile Is. M=5			
76	17	eP	23	36	58.5
		44.6N,149E, Kurile Is. M=5.4			
77	18	iP	00	07	21C.
		44.5N,149E, Kurile Is. M=5.4			
78		eP	02	12	04
		44.5N,149.1E, Kurile Is. M=4.9			
79		iP	04	13	50C
		44.5N,150.4E, Kurile Is. M=4.8			
80		iP	09	06	00D
		44.8N, 150.2E, Kurile Is. M=5			
81		iP	18	07	26C
		45.6N,150.6E, Kurile Is. M=5.2			
82		eP	20	17	43
		47.6N, 154.3E, Kurile Is. M=5.1			
83		iP	21	35	21D
		45.2N, 151.1E, Kurile Is. M=5			
84	19	eP	02	31	07
		46.8N,153.7E, Kurile Is. M=5.2			
85		eP	03	27	33
		46.5N,153.9E, Kurile Is. M=5.1			
86	19	iP	03	46	52D
		46.6N, 153.8E, Kurile Is. M=5½			
87		iP	03	59	40C
		46.8N,153.7E, Kurile Is. M=5.2			
88		iP	16	27	44.2
		44.4N,150.9E, Kurile Is. h=120 km. M=5.1			
89	20	eP	01	05	37
		44.7N,150.7E, Kurile Is. M=6¾			
90		eP	01	26	33
		44.6N,150.1E, Kurile Is. M=4.8			
91		eP	01	35	11
		45.9N, 153.6E, Kurile Is. M=5			
92		eP	04	59	37.5
		44.6N,149.8 E, Kurile Is. M=4.2			
94		eP	06	22	55
		43.9N, 150.7, Kurile Is. M=5.2			
95		iP	09	23	12.3D
		44.4N,150.0E, Kurile Is. M=5.5			
96		iP	12	04	48C
		44.7N, 150.2E, Kurile Is. M=5.1			
97		eP	12	21	55
		45N, 149.6E, Kurile Is. M=4.2			
98		iP	13	05	52
		24.1N,5.1E, Southern Algeria M=5.6, h=o			
99		eP	13	33	41D
		45.1N, 150.5E, Kurile Is. M=5.2			
100		e(P)	13	51	41
		e(S)		53	10
101		eP	17	53	55
		44.2N,149.6E, Kurile Is. M=4.8			
102		eP	18	11	26
		44.2N, 149.6E, Kurile Is. M=5.			
103	21	eP	17	33	14C
		44.1N, 150.3E, Kurile Is. M=5			
93	20	eP	05	11	23
		44.5N, 149.7E, Kurile Is. M=4.4			

No.	Date	Phase	G.	C.	T.
104	21	iP	21	47	09
		iS			31
105		iP	0 3	31	10D
		44.On,150.3E, Kurile Is. M-4.9			
106	22	eP	03	29	42C
		45.0N, 150.2E, Kurile Is. M-5.2			
107		iP	17	04	39
		iS		06	07
		33.4N, 25.8E, Mediterrancan Sea, South of Crete, M=4.6			
108	24	iP	01	18	55C
		44.5N, 150.3E, Kurile Is. M=5			
109		iP	07	37	56
		4.9S,102.9E, Off south coast of Sumatra M=6			
110		eP	15	36	30
		44.8N, 149.9E, Kurile Is. M=4.5			
111		iP	20	30	41
		44.4N,149.7E, Kurile Is. M=5			
112	25	eP	10	30	23
		43.3N,150.2E, Kurile Is. M=5.0			
113		eP	12	45	34
		44.5N,150.2E, Kurile Is. M=4.2			
114		eP	22	58	32
		36.9N,95.2E, Tsinghai Province China, M-5.1			
115		iP	04	08	06.2C
		44.5 .N. 150.1E, Kurile Is. M=5.1			
116	26	iP	05	14	04
		43.7N,150.5E, Kurile Is. M=5.1			
117		eP	06	12	10D
		44.5N, 149.8E, Kurile Is. M=5.1			
118		iP	11	34	14C
		44.7N, 149.7E Kurile Is. M=5.4			
119		iP	11	44	20C
		44.6N, 149.8E, Kurile Is. M=5.1			
120	26.	iPKP	12	53	27
		15.8S,174.W, Tonga Is. h-115km. M=5.5			
121	27	iP	00	11	31D
		43.8N,151.2E, Kurile Is.M-5			
122		ePKP	10	58	42
		22.8S, 175.2W, Tonga Is. M=4.8			
123		eP	15	38	32
		33.9S,15.3W. Tristan de Cunha region			
124		iPKP	18	44	36
		24.3S,176.1W. Tonga Is. M-5.3			
125		iP	20	18	04.6D
		44.5N, 150.1E, Kurile Is. M=5-5¼			
126		eP	23	45	4(2)
127	28	iPKP	08	15	05.8
		24.3S, 176W, Tonga Is. M-5¼			
128		iP	12	15	44
		52.8N,159.8E, Off east coast of Kamchatka, M-5-5¼			
129		iP	14	03	41
		iS		04	12
130		iPKP	20	18	03.4
		24.5S, 179.9E, Fiji Is. reg. h- 532km. M-5			
131		iP	20	49	21.3C
		44.8N,149.6E, Kurile Is. M=4.7			
132	29	ePKP	20.	42	10
		26.2S,177.8W. Kermadec Is. M=4.8			
133		i(P)	22	32	19D
134		ePKP	22	42	31.5
		24.4S,176.1W.Tonga Is.reg. M=4.9			
136		ePKP	03	37	3(0)
		21.8S,175.0W, Tonga Is.reg. M-5½-6¼			
135	31	eP	15	33	34
		44.8N,150.2 Kurile Is. M=4.5			
137		e	14	04	25
138		iP	15 Local	14	10
139		eP	22 Local	14	18

E. Arieh
Chief, Seismological Station

N.B. Epicentre Data from U.S.C. & G.S.

State of Israel
Ministry of Development
Geological Survey
Division of Quaternary to Recent Geology
Seismological Section

Address

Seismological Section
"Generali" Building
Jerusalem, Israel

Jerusalem Provisional Readings
Bulletin No 100
November 1963

No.	Date	Phase	G.	C.	T.
1	1	eP	07	09	5(2)
		eS		11	00.2
2		iPKP	21	19	12.3D
		22.5S;176.8 Tonga Is. M=5.4			
3		iP	22	53	45C
		44.9N;148.9E Kurile Is. M=5.5			
4	2	eP	18	05	57
		44.0N;150.5E Kurile Is. M=S			
5	3	ePKP	03	28	48
		3.5S;77.8W. Peru Equador border. M=63/4			
6		eP	04	45	0(5)
		e(S)		45	5(7)
7		eP	14	39	10
		39.2N;21.4E. Near west coast of Greece, M=4.3			
8	4	iP	01	30	35.2
		6.8S;129.6E Banda Sea			
9		iPKP	01	34	(40)
		15.1S;167;3 New Hebrides Is. M=63/4-7.			
10	6	iP	09	37	24.3D
		46.3;154.8E Near west coast of Kamchatka. M=5.4			
11		eP	21	11	4(0)
		38.7N;22.8E Greece h=100Km. M=4			
12	7	e(P)	03	27	4(9)
		near?			
13		iPKP	16	13	34
		24.2S;176.4W Tonga Is. reg. M=51			
14		iP	18	58	00C
		e(s)		59	39
		36.0N;25.4E. North of Crete M=4			
15	7	iP	20	50	26
		44.9N;151.9E Kurile Is. M=4.5			
16	8	iP	06	39	29
		Local			
17		eP	08	20	37
		45.0N;150.9E. Kurile Is M=4.8			
18	9	e	01	35	13
19		eP	02	56	02
		56.8N;34.6W. South of Iceland M=4.8			
20		iP	09	03	45.4D
		44.5N;149.4E Kurile Is. M=4.9			
21		iP	11	25	57
		45.6N;150.9E Kurile Is. M=4.4			
22		e(P)	14	38	08
23		eP	19	38	58
24		eP	21	29	00
		9.0S;71.5W. Western Brazil. h=600K_m 63/4-7			
25	10	e	01	17	57
		iPKP		18	05D
		9.2S;71.5W Western Brazil. h=600Km M=6½-63/4			
26		eP	11	20	42
		i(S)		22	23
		36.5N;25.9E. Aegean Sea Is. reg. M=4.5			
27		eP	17	30	07
		44.4N;149E Kurile Is. M=5.5			
28		iPKP	19	39	17D
		26.2S;178.3E. South of Fiji Is. h=607. M=4.3			

No.	Date	Phase	G..	C.	T.
29	11	iPKP	11	48	32
		16.9S;174.4W. Tonga Is h=185Km. M=5.2			
30	12	iP	07	07	57D
		35.5N;29.7E. Near S.W.coast of Turkey M = 5			
31	13	iPKP	11	37	17.2
		23.8S;179;9W. Fiji Is reg. h=520Km. M=4.9			
32		ePKP	17	38	45
		22.9S;173.3W. Tonga Is. M=5			
33	14	iPKP	00	39	55.3
		30.1S;177.4W Kermadec Is M=4.7			
34	15	iP	21	18	58D
		44.3N;149.0E Kurile Is. M=6¼-6½			
35	16	iP	00	37	20.3C
		.(s)			30
		Felt with intensity 3-4			
36		iP	02	42	32C
		44.3N;149E. Kurile Is M=5			
37		iP	11	17	17
		26.7N;97.2E Norhtern Burma M=5.1			
38		eP	12	05	3(1)
		es		o6	19
39		iPKP	23	03	21
		22.3S;175W Tonga Is. M=5¼-6			
40		iPKP	23	59	53C
		22.1S;173.3W Tonga Is. M=5.3			
41	17	ePKP	00	59	21.2C
		22.2S;175.0W Tonga Is.M=5.3			
42	17	iPKP	01	33	21
		21.8S;175W Tonga Is.M=5			
43		ePKP	13	32	33.5D
		17.4S;178.5W Fiji Is reg. h=509Km. M=4.7			
44	18	ePKP	14	11	25
		15.9S;173.3W. Tonga Is. M=5.1			
45		ePKP	14	57	47
		29.9N;113.6W.Gulf of Mexico M=6½			
46	19	iP	04	48	35D
		39.7N;129.5E Off east coast of Korea. h=537Km M=4.4			
47		iP	11	13	19.3
		44.4N;149.2E. Kurile Is. M=5.8			
48		iP	17	50	00.4C
		53.1N;159.6E off east coast of Kumchatka M=4.9			
49		eP	18	28	4(6)
		5.0S;102.2E. off south coast of Sumatra M=5.4			
50	20	iPKP	12	19	52
		22.2S;175.2W Tonga Is			
51	21	eP	20	10	52
		44.2N;149.6E Kurile Is. M=4.6			
52		eP	21	13	55
		50.3N;156.4E Southern Kumchatka M=5.3			
53	22	iP	00	30	05.4
		5.9S;107.9E Near north coast of Java. h=323Km. M=5.1			
54		iP	09	04	34.8C
		iS		05	54
55		iP	11	24	18D
		iS		25	18
56		iP	14	14	55.4C
		iS		16	14.4
57		iP	14	58	18.2C
		44.4N;149E Kurile Is M=5.6			
58		eP	15	34	36
		44.5N;149.2E Kurile Is M=4.5			
59	22	eP	15	37	00
		eS		38	2.0
60		eP	16	25	16
		10.4N;94E Andaman			
61		ePKP	17	23	33
		17.9S;172.8W Tonga Is. reg. M=5.2			
62		iP	20	27	44.5C
		iS		29	04.5
		37.3N;30.1E South Western Turkey. M = 4.4			
63		eP	20	43	46 D
		eS		45	05.6
64		eP	20	48	41
		eS		50	01.
65		iP	21	43	15.2 C
		iS		44	35
		M = 5.1			
		37.5N; 30.0E South Western Turkey.			

No.	Date	Phase	G.	C.	T.
66	22	eP	22	13	08.6
		eS		14	28.8
67		eP	22	54.	25.2
		eS		55	44
68		eP	23	01	39
		eS		03	00
69		eP	23	38	41
		eS		40	00
70	23	eP	00	50	52
		eS		01	12
71		iP	12	31	05D
		iS		32	24
72		eP	19	13	06
		45.1N;151.5E Kurile Is.			
		M = 4.6			
73		iPKP	19	49	08.6
		20.2S;178.1W. Fiji Is.			
		h = 515 km M = 4.7			
74	24	eP	11	18	13
		28.2N;140.1E South of			
		Honshu, Japan,			
		h = 260 km M = 5.2			
75		IP	18	21	31
		46.4N;150.5E. Kurile Is.			
		M = 4.9			
76		iP	19	10	41.8
77	25	iPKP	01	10	28.4
		16.3S;174.6W Fiji Is.reg.			
		h = 196 km M = 4.4			
78		eP	06	55	51
		45.4N;151.4E Kurile Is.			
		M = 4.8			
79		eP	08	34	52.8
		eS		35	21.8
80		eP	10	23	33
		44.1N;149.9E Kurile Is.			
		M = 4.8			
81	26	ePKP	03	18	37
		26.9S;176.5W Kermadec Is.			
		M = 4.2			
82		iP	15	22	33.2C
		eS		23	44.
83		iP	16	21	33.2
		eS		22	52
		34.9N;27.4E Crete reg.			
		M = 4.5			
84	27	eP	00	01	3(9)
		eS		03	(50)
85	28	i	17	37	38
86	29	eP	12	23	48
		eS		25	06.
87		iP	18	38	21.2D
		eS		39	41
88	30	e(P)	00	44	45
		e(S)		46	04
89		i(P)	00	47	08
		i(S)		48	28
90	30	iP	21	50	29D
		6.6N;24.2E. Nicobar Is.			
		M = 5.3			

E. Arieh
Chief, Seismological Section

N.B. Epicentre data from
U.S.E. & G.S.

STATE OF ISRAEL

MINISTRY OF DEVELOPMENT

GEOLOGICAL SURVEY

Division of Quaternary & Recent Geology

Seismological Section

Address:
Seismological Section
"Generali" Building
Jerusalem, Israel

Jerusalem Provisional Readings
Bulletin No. 101
December 1963

No	Date	Phase	G	C	T
1	2	eS	17	36	45
2		eP	21	04	57
		80.1N,0.6W Svalbard Reg. M=5.1			
3	3	eP	00	54	29
		es		55	53
4	4	ePKP	16	19	19C
		35.5S,102.8W Easter Is. Reg M=6			
5	6	iP	15	07	41
		eS			45.6
		Felt in Jerusalem with intensity=3-4			
6		i	04	26	37.2C
7	7	e(P)	09	09	5(8)
		e(s)		14	10
8	11	e	13	37	15
9	12	iP	23	36	55D
		46.3N;150SE Kurile Is. M=5.2 h=90Km.			
10	13	el	00	22	22
		eS		23	00
11	14	iPKP	02	03	55.2D
		17.9S;178.3W Fiji Is. Reg. M=4.3 n=550Km			
12	15	i	04	24	33.5D
13		iP	19	45	42D
		4.8S;108.0E Java Sea M=6.4; n=650Km			
14		e	20	11	17
15	16	iP	01	28	18.4
		i(s)			27
16		iP	02	03	18.4
		2.2S;105.9E Near east coast of Sumatra. M=5.7			
17		iP	02	18	30C
		6.3S;104.9E Near west coast of Sumatra.			
18	16	iP	11	21	06D
		45.8N;142.6E Southern Sakhalin h=258			
19		eP	13	52	56
		eS		53	14
		37.1N;20.9E Ionian Sea M=5.6			
20		iP	10	18	25.4
		6.5S;105.3E Sunda Strait. M=6			
21		iP	22	04	30C
		pS		05	50.8
22	18	iKKP	00	49	47.5C
		24.8S;176.6W Tonga Is. M=6.5			
23		eP	03	03	01.5C
		45.5N;151.3E Kurile Is. M=5.2			
24		iP	06	47	32
		41.7N;82.5E Sinkiang Prov. China. M=5.2			
25		iP	14	01	16
		i(s)			22.3
26	19	iP	18	45	45.5
		iS		47	23
		35.6N;25.7E Near North coast of Crete. M=4.8			
27	20	iPKP	00	42	44.5
		8.6S;160.4E, Solomon Is. M=5.5			
28		iPKP	05	12	22
		14.8S;173.4E Samoa Is. Reg M=4.9			
29		eP	15	59	04.5
		12.8S;66.0E Indian Ocean M=5.6			
30		eP	16	33	24.3
		12.7S;66.3E Indian Ocean.			
31		iP	16	55	33
		12.6S;66.4E. Indian Ocean M=4.9			

No	Date	Phase	G	C	T
32	20	ePKP	21	31	45
		20.3S;174.8W. Tonga Is. M=4.1			
33	21	eP	04	53	5(5)
34		iPKP	12	54	06D
		21.2S;175.8W Tonga Is. M=5.1			
35		iP	13	21	01
		16.1N;119.7E. Near west coast of Luzon. M=5.6			
36	23	iP	07	56	27
		Local			
37		eP	13	55	10
		43.8N;150.5E Kurile Is. M=4.7			
38	23	iP	18	52	12
		44.1N;149.4E Kurile Is. M=4.8			
39	24	iP	02	38	30C
		45.2N;151.4E Kurile Is. M=4.5			
40		iP	03	13	25C
		45.4N;151.3E. Kurile Is. M=4.9			
41		iP	03	39	51.5C
		45.5N;151.5E KUrile Is. M=4.8			
42	25	e	11	24	51.5
43	27	eP	14	30	09
		eS			43
44	28	iPKP	09	23	43
		32.7S;178.9W. Kermadec Is			
45	30	iP	13	41	51C
		15.5N;150.6E Kurile Is. M=5.7			
46	31	eP	15	21	42
		38.4N;45.3E. North western Iran. M=4.5			
47	31	iPKP	19	36	38.6D
		17.4S;174.2W Tonga Is. M=5.4			

E. Arieh

Chief, Seismological Section

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