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. 102
January 1964

No.	Date	Phase	G	C	T
1	1	eP	17	09	3(4)
		eS		10	5(9)
2		iP	17	39	11.5C
		45.4N; 151.9E Kurile Is. M = 6			
3	2	eP	15	18	5(0)
		eS		20	23
		35.1N;27E Karpathos(B.C.Is)			
4	3	iP	04	58	45 D
		iS		59	18
		Felt with intensity 3-4 at Tripoli, Lebanon			
5		iPKP	21	43	44D
		20.4S;178.2W Fiji Is. h=520 km. M = 5.3			
6	5	eP	23	58	38.5
		52.3S; 28.6 Prince Edward Is. reg.			
7	6	iP	06	06	30.8 D
		27.2N;127.3E Ryukyu Is. h=110 km. M = 5.7			
8	7	eP	22	14	31.5
		eS		15	15
9	8	eP	22	43	28.8
		3.8S; 119.3E. Celebes h=112 km M = 5.3			
10	9	eP	03	10	31
		41.7N; 141.9E off North Coast of Hokkaido,Japan M = 5			
11	10	eP	16	17	4(8)
		e(S)		19	45
12		iP	17	09	50.2D
		45.4N; 150.0E Kurile Is. M = 5.4			
13	12	iP	06	13	27 D
		53.2N; 466.3W. Fox Is Aletitian Is. M = 5.5			
14		eP	12	48	40
		31.5N; 49.4E Western Iran M = 5.2			
15	15	iP	21	48	45 D
		29.1N; 140.8E. South of Houshu, Japan M = 6 3/4.			
16	16	i(P)	03	06	50 D
17	18	iP	12	16	18
		23.1N; 120.5E Taiwan M = 6-7.			
18	19	iP	09	17	52.2D
		26.9N; 54.0E Near Coast of Southern Iran M = 5.6.			
19	20	ePKP	17	27	4 3
		20.7S; 169.9E. Loyalty Is. reg. M = 6-6 3/4 h=141 km.			
20		iP	20	50	05
		18.8N; 120.7E Near N. Coast of Luzon, P. Is. M = 4.8			
21		ePKP	23	26	17
		30.0S; 177.9W. Kermadeo Is reg. M = 5.1			
22	21	iP	13	05	23
		i(S)			29
23	22	e(P)	15	41	55
		i		42	05
24		iP	16	07	52.3D
		22.4N; 93.6E Burma M = 6.1			
25	23	iPKP	00	18	57 C
		13.7S; 165.9E New Hebrides Is. M = 6.			
26	24	iP	17	28	28 D
		38.7N; 129.4E. Near East coast of Korea. h = 542 km. M = 5.3.			
27	26	e	09	28	00
28	27	eP	01	22	24
		00.0; 17.9W Mid Atlantic Ocean. M = 5.3			

No.	Date	Phase	G	C	T
29	28	iP	14	15	07.3 C
		36.5N; 70.9E. Hindu Kush			
		h= 207 kn. M = 6.1			
30	29	iP	19	43	15
31		iP	22	30	41 C
32	30	iP	17	47	38 C
		iS		49	58
		37.3N; 29.9E. Near South West coast of Turkey			
		M = 5.3.			
33	30	iP	17	54	06 C
		iS		55	24.3
34		i	18	00	49.2
35	31	e	00	34	48.2
36		eP	00	40	14
		e(S)		41	34.8

E. Arieh
Chief, Seismological Sections

N.B. Epicentic data
From U.S.C. & G.S.

STATE OF ISRAEL
Ministry of Development
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Division of Quaternary & Recent Geology
Seismological Section

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Jerusalem, Israel

Jerusalem Provisional Readings
Bulletin No. 103
February 1964

No.	Date	Phase	G	C	T
1	1	eP	06	28	09
2	2	eP	09	06	33
		24.2N; 122.6E Near east coast of Taiwan. M=5.			
3	5	eP	11	42	38
		(in strong microseisms)			
		36.5N; 141.0E Central Honshu, Japan. M=6¼			
4	6	eP	13	20	37 D
		55.7N; 155.8W. Kodiak Is. Reg. M = 6 3/4-7			
5	7	iP	13	11	12.2C
		39.8N; 142.8E off coast coast of Honshu, Japan. M = 5.4			
6	8	eP	06	31	5(1)
		36.8N; 50.3E.N.Iran M = 4.7			
7	9	ePKP	02	18	53 D
		16.5S; 179.2W. Fiji Is. Reg. M = 5.3, h=480 km			
8	9	iP	06	09	02
		25.6N; 36.4E Red Sea			
9	11	ePKP	18	41	(00)
		15.9S; 173.1W. Samoa Is. Reg. M = 5.2			
10	12	EPKP	22	53	48
		15.3S; 174.4W Samoa Is. reg. M = 5 3/4			
11	14	eP	15	55	07.5
		29.2N; 54.5E. S. Iran M = 4.7			
12	[illegible]		18	48	23
		5.1S; 151.7E New Britain. N = 6 3/4			
13	16	eP	00	20	33
		eS		23	27.5
		30.1N; 51.2E. S.W. Iran M = 5 3/4			
14	19	e(S)	02	58	37
15	19	eP	20	37	02
16	20	eP	10	06	16.2 D
		44.6N; 150.E Kurile Is. M = 5.2			
17	20	eP	14	53	50
18	22	eP	05	51	01
		iS			22
19		iPKP	09	10	29.2 C
		30.1S; 177.3W. Kermadec Is. M = 5.1			
20	23	iP	22	43	55 D
		39.2N; 23.7E Aegean Sea. M = 4.5			
21	25	eP	12	31	03
		iS			08
		iPKP	23	43	23.3
		Kermadec Is. 30.1S; 177.9W M = 4.8			
22	26	eP	09	20	57
		27.3N; 54.5E. S. Iran M = 4.6			
23		ePKP	21	37	02.5
		20.7S; 174.4W. Tonga Is. M = 5.			
24	27	eP	15	20	01
		ipP			26
		21.7N; 94.4E Central Burma M = 6.4, h = 102 km			

E. Arieh
Chief, Seismological Stations

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

State of Israel
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Geological Survey
Jerusalem
Division of Quaternary & Recent Geology
Seismological Laboratory

Address
Seismological Laboratory
Geography Building
Hebrew University Campus
Jerusalem, Israel

Jerusalem Provisional Readings
Bulletin No.104
March 1964

No	Date	Phase	G	C	T
1	2	iP	12	10	57
		Local			
2		i(P)	18	09	18
		e		10	38
3		iPKP	19	52	27
		18.9S 174.8W. Tonga Is. M=5.3 h=105Km			
4	4	ePP	21	34	06
		eS		35	51
		34.8N; 23.9E. Off S.W. coast of Crete. M=4.2			
5	5	eP	00	03	47.5
		es		05	2(8)
6		e(P)	08	53	3(4)
		e(s)		55	1(6)
7	6	iP	21	56	06
		1S			52.5
8	7	iPKP	23	32	12
		epPKP		34	25
		19.9S; 177.9W Fiji Is. M=4.5 h=534Km			
9	8	ePKP	01	55	(18)
		44.0S; 168.4E South Is. M=5.6			
10		iP	07	54	31.2
		Local			
11	9	i	19	28	50.0C
12	14	eP	02	42	53
		47.1N;8.3E Switzerland M=4.7			
13	15	iP	22	37	25.0C
		36.2N; 7.6W West of Straits of Gibralter. M=61/4-7 1/4			
14	16	iP	01	14	08.2
		36.9 95.5E. Tsinghai Province, China M=5.9			
15	16	eP	03	34	24
		38.0N, 72.9E Tadzhik S.S.R. h=132Km M=5.2			
16		iP	15	01	13.0
		Local			
17		iPKP	21	58	24.0D
		20.6S; 178.7W. Fiji Is. h=578Km. M=4.9			
18	17	iP	12	09	07.5D
		27.0N; 54.1E Southern Iran M=4.2			
19	18	eP	10	32	35
		Local			
20		eP	13	27	54
		Local			
21	19	eP	09	48	08
		14.7N;56.3E. Arabian Sea			
22		iPKP	22	03	55.0
		15.1S; 172.6W Samoa Is. M=5.6			
23	22	iP	11	53	46.5
		Local.			
24		e	22	54	03.5
		e		55	29
25	23	e(P)	12	11	50
		e		16	53
26		iP	12	45	04
		Local			
27		eP	13	46	44
		38.3N;73.7E Hindukush M=5.4 h=126Km			
28	24	iP	10	12	05
		eS		13	30
29		e	10	36	00.
30		iP	13	35	03.0C
		eS			o(3)

No	Date	Phase	G	C	T
31	24	e(P)	21	53	16
32	25	iP	02	55	45
		36.3N; 140.9E, Near East coast of Honshu, Japan. M=4.8			
33	26	iP	00	34	57.0
		iS		35	05.0
34	27	eP	04	39	43
		25.9N; 95.8E. Northern Burma M=5.4			
35		iPKP	20	41	00
		23.7S; 79.9E. South of Fiji Is. M=5 h=520Km			
36	28	iP	03	49	01.5C
		61.1N; 147.6W Alaska M=8.2			
37		iP	05	07	02.0
		59.8N; 149.4W Alaska M=6.1			
38		iP	05	46	45.0
		60.2N; 146.2W Alaska M=5.6			
39		eP	05	48	46
		57.2N; 153.0W Alaska M=5.7			
40		iP	06	45	30.0
		60.1N; 147.6W Alaska M=5.5			
41		iP	06	54	22.5D
		59.9N; 147.8W Alaska M=5,3			
42		iP	06	56	58.0D
		58.3N; 151.3W Alaska M=6.1			
43		iP	07	06	35.0
		58.8N; 149.5W Alaska M=5.7			
44		iP	07	23	20.5D
		58.8N; 149.5W Alaska M=6.1			
45		eP	07	43	36
		57.4N; 151.7W Alaska M=5.7			
46		eP	08	46	49
		58.1N; 151.1W, Alaska M=5.6			
47		eP	09	14	10
		56.5N; 152.0W Alaska M=6.0			
48		eP	09	27	02
		59.4N; 151.2W Alaska M=5.2			
49		iP	10	05	49.0C
		59.7N; 146.6W Alaska M=5.5			
50		eP	10	48	43
		57.2N; 152.4W Alaska M=6.0			
51	28	iP	11	21	20.0D
		60.1N; 148.4W Alaska M=5.7			
52		iP	11	42	41.2C
		ipP		43	13.0
		0.5N; 122.3E Northern Celebes M=5.8 h=140Km			
53		eP	12	03	03
		58.2N; 149.8W Alaska M=5.3			
54		eP	12	16	10
		60.3N; 146.6W Alaska M=5.3			
55		iP	12	33	58.0D
		56.5N; 154.0W Alaska M=6.1			
56		eP	13	14	07
		60.1N; 147.0W Alaska M=5.1			
57		eP	13	40	32
		60.3N; 147.1W Alaska M=4.9			
58		eP	15	00	29.5
		60.4N; 146.5W Alaska M=5.7			
59		iP	15	02	06.0
		60.4N; 147.1W Alaska M=5.8			
60		eP	16	57	32.5
		59.3N; 147.8W Alaska M=5.3			
61		iP	20	42	01.0
		5 .8N; 148.7W Alaska M=5.8			
62		eP	23	50	26
		57.5N; 151.1W Alaska M=5.2			
63	29	iP	01	22	31.5D
		59.8N; 149.2W Alaska M=5.5			
64		iP	01	34	37.0
		56.3N; 153.7W Alaska M=4.8			
65		iP	01	42	39.0C
		57.5N; 151.3W Alaska M=5.6			
66		iP	02	32	12.0
		59.0N; 149.2W Alaska M=4.7			
67		eP	03	20	13
		59.7N; 148.8W Alaska M=5.0			
68		eP	03	51	26
		60.7N; 149.1W Alaska M=5.1			
69		eP	04	25	11
		60.2N; 145.5W Alaska M=5.3			
70		eP	06	17	54
		56.1N; 154.3W Alaska M=5.8			
71		eP	10	20	56.5
		60.0N; 148.6W Alaska M=5.3			
72		iP	11	56	57.0
		60.0N; 149.1W Alaska M=4.9			

No	Date	Phase	G	C	T
73	29	eP	16	31	22
		60.4N;146.0W Alaska M=5.0			
74		eP	16	53	53.5
		59.7N;147.0W Alaska M=5.6			
75		eP	16	58.3	28.5
		59.8N;146.9W Alaska M=5.3			
76		iP	17	06	19.5C
		ePP		09	47
		60.3N;146W Alaska M=5.2			
77		eP	18	05	57
		59.9N;146.1W Alaska M=5.0			
78		eP	18	08	26
		60.0N;146.1W Alaska M=4.9			
79		ePKP	21	59	17
		6.7S;155.1E Solomon Is. M=5.3			
80		eP	23	40	49
		59.7N;148.2W Alaska M=4.6			
81	30	iP	02	31	13.8
		56.6N;152.9W Alaska M=6.6			
82		i(P)	03	29	16.0
		i(S)		31	
83		eP	07	22	29
		eP		26	00
		59.9N;145.7W Alaska M=5.6			
84		eP	12	18	36
		60.1N;147.0W Alaska M=5.0			
85	30	iP	15	20	48.0
		58.7N;149.6W Alaska M=5.3			
86		eP	16	22	36
		56.6N;152.1W Alaska M=5.5			
87		ePKP	19	01	57
		24.2S;176.4W Tongo Is. M=4.6			
88	31	eP	00	04	40
		59.6N;147.4W Alaska M=4.6			
89		iP	00	26	37.0C
		45.3N;151.0E Kurile Is M=5.3			
90		i(P)	01	09	23.5
		59.7N;149.8W Alaska M=4.7			
91		eP	02	58	25
		59.7N; 159.8W. Alaska M=4.7			
92		eP	04	33	12
		60.3N;146.3W. Alaska M=4.9			
93		iP	09	34	54.5
		iS		36	10
		36.3N;28.8E. Near coast of Turkey M=4.7			

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

R. Arieh
Chief, Seismological Laboratory

STATE OF ISRAEL
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Division of Quaternary & Recent Geology
Seismological Laboratory

Address:
Seismological Laboratory
Geography Building, Hebrew University Campus
Jerusalem, Israel

Jerusalem Provisional Readings
Bulletin No.105
April 1964

No.	Date	Phase	G.	C.	T.
	2	iP	01	22	04
		5.9N; 95.7E. Near Coast of Northern Sumatra			
		M = 5.2 h=132 km			
		eP	16	09	27
		5.8N; 125.8E Philippine Is. M =5.7 h=129 km.			
		eP	22	47	26
		59.8N; 144.3N Alaska			
		M = 4 3/4 - 5.			
	3	eP	04	23	09.5D
		4.0N; 96.6E. Near West Caost of Sumatra.M=5.8			
		iP	08	51	40.0C
		59.6N; 144.7W Alaska			
		M = 54			
		iP	16	15	09
		i(S)		16	30
		iP	22	46	25
		61.6N; 147.6W Alaska			
		M = 57			
	4	eP	05	06	51
		ePP		10	20
		60.1N; 146.7W Alaska			
		M = 5.6			
		eP	07	06	18.5
		60.4N; 146.0W. Alaska			
		M = 4.8			
		iP	07	07	19
		5.5N; 95.3E Northern Sumatra M=4.6.			
		h = 157 km			
		eP	09	24	03
		56.9N; 152.7W Alaska			
		M = 5 3/4 - 6.			
		iP	17	59	16.5
		56.3N; 154.4W. Alaska			
		M = 6½			
	4	eP	08	12	51.5
		56.4N; 154.5W Alaska			
		M = 5.5			
		iP	21	50	33.5
		10.5N; 122.1E Philippine Is. M = 5.3. h=302 km			
		iP	23	53	25
		e(s)		55	(10)
	5	eP	01	35	22
		56.2N; 153.5W Alaska			
		M = 5.4			
		iP	19	41	11.2
		60.2N; 146.7W. Alaska			
		M = 5.3			
	6	iP	16	23	21.5
		45.2N; 150.9E Kurile Is.			
		M = 4.5			
	7	iP	13	30	56
		0.1N; 132.2E Northern Celebes. M = 6.3			
		h = 150 km			
	10	iP	01	21	02.4C
		58.4N; 150.6W Alaska			
		M = 5.5			
	11	iPKP	01	23	48.4D
		29.0S; 178.9W Kermadec Is.			
		M = 5.3. h=302 km			
		eP	16	03	28
		40.5N; 25.0E. Aegean Sea			
		M = 5.1			
		i(P)	23	11	44.4D
	12	iP	01	37	41D
		56.6N; 152.2W Alaska			
		M = 5.1			
		ePKP	11	30	34C
		33.9S; 179.8N. Kermadec Is. M = 5.4. h=89km			

No.	Date	Phase	G.	C.	T.
	13	iP	08	34	24C
		45.3N; 18.1E. Northern Yugoslavia. M = 5.4			
		eP	14	18	05
		57.6N; 151.2W Alaska M = 5.5			
		eP	21	56	11.4
		59.4N; 143.1W. Alaska M = 5.1. h = 33 km			
	14	iP	01	16	52.2C
		49.4N; 155.5E. Kurile Is. M = 5.2			
		eP	06	39	20
		39.0N; 14.5E. Tyrrhenian Sea. M=4.3. h=306 km			
		eP	16	07	5(8)
		61.3N; 147.3W. Alaska M = 5.4			
		eP	23	08	33
		58.0N; 152.6W Alaska M = 5.4			
	15	eP	15	43	53
		56.5N; 154.4W. Alaska M = 5.5			
	16	iP	01	17	02
		37.0N; 142.7E Off east coast of Honshu, Japan M = 5.1			
		eP	19	40	05
		ePP		43	46
		56.4N; 152.9W Alaska M = 5.5			
	17	eP	05	02	41
		ePP		06	20
		56.4N; 152.9W Alaska M = 5.3			
	18	eP	05	40	13.5
		45.5N; 151.1E Kurile Is. M = 5.3			
	19	iP	14	52	45
		iS			47
	20	iP	12	09	27D
		61.4N; 147.3W Alaska			
		eP	16	31	17.4
		60.7N; 145.3W Alaska M = 4.9			
	22	iPKP	20	19	23.5
		15.5S; 167.5W New Hebrides Is. M=5.0. h=123 km			
	23	eP	03	46	37
		5.3S; 134.0E Aru Is. M = 6.4			
		iP	14	25	28.5
		36.5N; 37.9E Turkey M = 4.8			
	24	eP	00	55	(00)
		52.7N; 16.9E. Near coast of Kamchatka M = 4.9			
		eS	03	55	08
		38.0N; 21.8E. S.Greece M = 4.1. h=92 km			
		eP	06	10	29
		ePP		14	52.4
		5.1S; 144.2E. North East New Guinea. M=6.3. h=106km			
	25	iP	01	13	30.6
		37.8N; 30.0E S.W. Turkey M=4.5			
		eP	09	56	23.2
		59.9N; 144.9W Alaska M = 5.0			
		iP	12	45	54
		iS		47	11
		35.2N; 27.6E Dodecanese Is. reg. M=4.9			
		PP	18	49	55
		24.4N; 125.3E. Ryukyu Is. M=5.3			
	26	iP	01	33	47
		iS		35	15
		34.8N; 26.1E. Near south coast of Greece M = 4.0			
	28	iP	11	16	17.9
		34.6N; 32.2E. Eastern Mediterranean. M=4.7			
	29	eP	04	23	55.5
		39.3N;23.7E Aegean Sea M = 5¼			
		eP	17	02	4(5)
		39.2N; 23.7E Aegean Sea M = 4.6			

Epicenter data from U.S.C. & G.S.

E. Arieh
Chief, Seismological Laboratory

STATE OF ISRAEL
MINISTRY OF DEVELOPMENT
Geological Survey
Division f Quaternary & Recent Geology

Address
Seismological Laboratory
Geography Building, Hebrew University Campus
Jerusalem, Israel

Jerusalem Provisional Readings
Bulletin No. 106
May 1964

No.	Date	Phase	G	C	T
1	2	iP	16	23	26
		45.5N; 150.3E. Kurile Is. M = 5.7			
2	4	iP	03	54	34.5C
		Local			
3	5	iP	08	14	14C
		45.5N; 150.1E. Kurile Is. M = 4.9			
4	6	ePKP	08	29	53
		11.1S; 162.2E. Solomon Is. M = 5.1			
5		i	20	51	31
6		eP	20	57	43
		45.5N; 151.6E Kurile Is. M = 4.9			
7	7	iPKP	00	54	09.2
		18.2S; 176.6W Fiji Is. M = 5.4 h = 300 Km.			
8	iP	iP	05	52	26.5 D
		4.0S; 34.9E. Tanganyika M = 6¼			
9		iP	08	10	19.5 C
		40.4N; 139.0E. Off coast of N. Honshu, Japan M = 6½ - 7.			
10		iP	11	22	46
		30.6N; 137.7E. Off S. coast of of Honshu, Japan. M = 5.1 h = 469 Km.			
11		iP	20	24	56 C
		40.5N; 139 E., West coast of Honshu, Japan. M = 5.9			
12	9	iP	07	18	39.5
		e(S)		20	26
13	9	iP	07	50	34 D
		29.6N; 52.5E. S.Iran			
13	11	ePKP	05	08	(16)
		24.6s 179.9E. Fiji Is.Reg. M = 4.8			
15		iP	06	12	07 D
		28.3N; 57.4E S. Iran M = 4.9			
16		iPKP	14	58	54
		22.5S; 175.8W. Tonga Is. reg. M = 5.3.			
17	12	eP	18	28	57.5
		56.6N; 152.4W, Alaska aftershock. M = 5½ - 6¼			
18		ePKP	18	37	0(2)
		19.9S 173.9W Tonga Is. M = 5.5			
19	12	eP	21	42	19
		e(S)			44
20		iP	22	23	20
		i(S)			31
21	13	ePKP	00	26	45
		14.8S; 176.7W. Samoa Is. reg. M = 4.7			
22		iPKP	17	02	41
		Kermadec Is. Reg. M = 5.1			
23		iP	17	08	00
		eS		09	20
24		iPKP	20	57	43
		32.4S 178.3W. Kermadec Is. reg. M = 4.3.			
25	14	ePKP	01	25	11
		32.9S; 178.8W Kermadec Is. reg. M = 4.6 h = 309 Km.			

JER

No.	Date	Phase	G	C	T
26	15	eP	01	51	5(5)
		eS		52	28
27	16	iP	06	08	08.5C
	19.9N; 78.3E Kazakhstan h = 0; M = 5.6				
28		ePKP	16	27	33.5
	32.8S; 178.3W. Kermadec Is. reg. M = 6.0				
29	17	eP	01	03	11.5
	59.4N; 142.7W Alaska aftershock M =53/4-6½				
30		e(P)	14	54	14.5
31		eP	15	25	17
		e(S)		26	55
32		eP	19	36	17.5
	35.2N; 35.9W. North Atlantic Ocean. M= 5 3/4 - 6½				
33		eS	20	59	27.5
34	18	iPKP	14	32	01.5
	21.2S; 174.5W. Tonga Is. reg. M = 4½				
35		iP	20	05	37.5
		i(S)		07	38
36	19	eP	10	51	51.5C
	45.5N; 150.3E. Kurile Is. M = 5.4				
37		eP	23	34	29.5
	48.3W; 154.4E Kurile Is. M = 4.7				
38	20	ePKP	05	13	22
	31.4S; 178.2W Kermadec Is. reg. M = 4.8				
39		e(S)	06	02	22
40		eP	23	36	08
		eS		37	09.5
41	23	eP	00	22	40
	14.6N; 56.3E Arabian Sea. M = 5.1				
42	24	ePKP	04	32	54
	22.6S; 174.1W. Tonga Is. reg. M = 5 - 5¼				
43	24	iP	10	43	55
	34.3N; 141.1E Near East coast of Honshu, Japan M = 5.2				
44	eP	eP	12	46	53
		e(S)			57
45		iPKP	22	41	58.5
	37.0S; 177.8E North Is. New Zealand				
46	25	iP	19	54	48.5D
	9.1S; 88.9E Indian Ocean M = 5.5				
47	26	iP	11	13	04.8
	56.2S; 27.8W Sandwich Is. M=7½-7 3/4 h=120 km.				
48	27	iPKP	11	40	21
	18.4S; 173.1W. Tonga Is. reg. M= 4.6				
49	28	iP	02	08	38.5
	24.5N; 122.0E. Near East coast of Taiwan M=5.9				
50		eP	12	43	51
	0.8S; 24.7W Mid Atlantic Ocean. M = 5.2				
51		eP	16	31	05
	58.3N; 150.6W Alaska aftershock M=5.4				
52		eP	23	41	2(2)
	1.6N; 127.2E Molucca Passage. M = 6.3 h = 103 km.				
53	29	iP	10	30	30
	60.2N; 146.3W. Alaska aftershock. M = 5½				
54		iPKP	12	44	10
	18.6S; 177.8W. Fiji Is. M = 4.2 h = 462 Km.				
55		ePKP	18	55	57
	26.2S; 178.3E. Fiji Is. reg. M = 614 km. h = 5.4				
56		e(P)	21	37	32.5
		e(S)		39	02
57	30	eP	03	31	05.5
	59.5N; 148.5W Alaska aftershock M= 4¼-4½				
58		iP	14	43	09
	36.2N; 141.1E. Near east coast of Honshu, Japan M = 5½ - 5 3/4				

No.	Date	Phase	G	C	T
59	30	eP	17	35	50.2
		9.3N; 126.4E. Near east coast of Mindano P. Is. M = 5.3 h= 91 Km			
60	31	iP	00	52	57.8C
		43.5N; 146.8E Kurile Is. M = $6\frac{1}{2}$ - 6 3/4			
61	31	iP	12	00	16
		iS			19

No.	Date	Phase	G	C	T

N.B. Epicenter data from U.S.C. & G.S.
Registration mostly from
Benioff Vertical (T =1.2.mm, Tg_1 = 0.26, Tg_2 = 24.5 sec.)

E. Arieh
Chief, Seismological Laboratory

State of Israel
Ministry of Development
Geological Survey - Jerusalem
Division of Quaternary and Recent Geology
Seismological Laboratory

Address
Seismological Laboratory
Geography Building,
Hebrew University Campus
Jerusalem Israel

Jerusalem Provisional Readings
Bull ttin No 107
June 1964

No	Date	Phase	G	C	T
1	1	ePKP	13	37	1(0)
		21.0S;175.7W Tonga M=5.2			
2		eP	18	43	36.5
		43.6N;147.0E Off East Coast of H kkaido,Japan M=4.7			
3	2	iP	15	40	46.5
		Local			
4		iP	16	22	18.5
		59.7N;144.4W Alaska M=5.1			
5	3	iP	02	58	22.20
		25.9N;95.8E Northern Burma M=5.5 h=100Km			
6		eP	14	16	3(6)
		59.9N;143.9W Alaska M=5.1			
7		ePKP	18	14	0(9)
		18.8S;173.7W Tonga Is M=4.8			
	4	From	19	00	
	6	Until	07	15	
		Disorders in Seismo -meters.			
8		ePKP	19	27	42
		26.6S;114.4W Easter Is reg. M=5.8			
9	7	iP	11	21	28.0
		Local			
10		ePKP	13	27	4(8)
		18.4S;173.7W Tonga Is.			
11	7	eP	20	43	25
		45.3N;150.9E Kurile Is.			
12	8	eP	14	18	50
	JER	eS		20	21
13		eP	16	50	51C
		eS		52	17
14	9	eP	03	30	11
		eS		32	2(1)
15		eP	07	17	57
		eS		20	08
16	10	iP	18	39	45.5D
		9.4S;117.6E Sumbawa Region M=5			
17		iP	22	29	27.0
		eS		40	11
		5.0N;127.4E Taland Is Region h=146Km.			
18	11	iPKP	01	24	43.5
		19.5S;175.4W Tonga Is h=272Km M=4.5			
19		iP	11	57	31.0C
		Local			
20		iP	14	53	07.0C
		Local			
21		iP	18	44	07.5D
		33.1N;137.6E Near S. coast of Honshu, Japan h=330Km, M=4.8			
22	12	eP	07	48	06C
		eS		49	24
		37.5N;30.4E W.Turkey			

No	Date	Phase	G	C	T
23	12	eP	07	57	52
		eS		59	36
24		eP	16	08	32
		11.4N;124.9E Philippine Is. M=5.5 h=183Km			
25		ePKP	18	30	51
		South of Fiji Is. h=648Km, M=5.3			
26	13	ePi	05	27	08.5
		eS		28	56
27		eP	17	45	06
		23.0N;94.0E Burma M=5.8			
28	14	eP	01	09	23
		48.2N;154.3E Kurile Is. M=4.9			
29		iP	12	17	15.7D
		38.0N;38.5E Southern Turkey			
30		iP	12	39	44.5
		38.1N;38.3E Southern Turkey M=4.7			
31		eP	16	43	1(8)
		es		45	09
		eP	17	05	3(0)
		e(S)		07	13
32	15	iP	00	15	59.4D
		5.4N;97.0E Northern Sumatra M=5.5			
33		eP	00	53	5(3)
		eS		55	22.5
34		eP	01	49	1(9)
		eS		50	49
35	16	eP	04	13	54.0
		eS		24	06.5
		38.3N;139.1E Japan M=6.1			
36		iP	07	05	20.0
		38.7N;139.0E Near coast of Honshu, Japan M=5.6			
37		iP	07	27	11.5
		38.5N;139.2E Near coast of Honshu, Japan M=5.9			
38		eP	15	36	3(0)
		eS		37	50,5
39	17	eP	15	22	56
		38.7N;139.0E Near coast of Honshu, Japan M=5.0			
40		ePKP	22	36	27.5
		23.8S;179.7W Fiji Is. Reg. h=504, M=4.8			
41	(18) JER	eP	04	17	55
		eS		18	13.5
42		eS	04	57	22
		eP	18	14	19(D)
		47.5N;154.9E Kurile Is. M=5			
43	19	eP	00	52	37
		40.7N;32.9E Turkey M=4.6			
44		iP	10	17	[illegible]
		38.8N; 139.3E Near coast of Hunshu Japan M=5.6			
45	20	eP	17	11	26
		40.5N;142.2E Near coast of N. Honshu, Japan M=4.[illegible]			
46	21	iP	01	45	34.8C
		51.0N;157.0E Kamchatka M=5.7			
47		iP	16	41	2(6)
		Local			
48		eP	21	18	(10)
		eS		19	6(0)
49		iPKP	23	16	0(6)
		20.8S;175;6E Fiji Is Reg. M=4.7			
50	22	iPKP	00	36	1(8.5)
		15.7S;172.8W Samoa Is. M=5.1			
51		ePKP	03	22	3(4.5)
		10.4S;161.1E.Solomon Is M=5.4			
52		iPKP	13	59	4(1)
		25.1S;177.4W Fiji Is Reg. M=5.1 h=121			
53		iP	21	35	3(6.5)
		13;6N;120;3E LuzonIs. M=6.5			
54	23	iP	01	38	5(3)
		43.3N;146E Kurile Is. M=6.2			

No	Date	Phase	G	C	T
55	25	iP	12	48	01.1
		Local			
56	26	eP	07	56	11
		eS		57	10
57		eP	19	48	(45)
		eS		51	(08)
58	27	eP	07	34	3(1)
		eS		36	0(9)
59		ePcP	16	54	20
		11.5S;13.8W Ascension Is. Reg. M=4.7			
60	28	eP	11	16	18
		34.6N;32.2E. Eastern Mediterranean Sea M=4.7			
61		e	15	25	45
62		iP	16	08	58.0
		eS		09	46
63	28	eP	17	39	17
		4.0N;32.4W N. Atlantic Ocean M=5.3			
64		eP	19	22	05
		58.3N;150.2W Alaska M=5.5			
65	29	eP	07	34	10D
		62.7N;152.0W Southern Alaska			
66	30	eP	13	59	13
		0.8S;122.5E Northern Celebes M=6.3			
67		eP	16	00	10.5
		44.7N;150.4E Kurile Is. M=5.1			
68		iP	16	01	07.0C
		45.9N;150.4E Kurile Is. M=6.0			
69		eP	18	59	49.5
		45.1N;150.0E. Kurile Is. M=4.6			
70		eP	20	19	55.5C
		epP		21	21
		46.6N;144.6E, Sea of Okhotsk h=383Km. M =5.5			

N.B. Epicenter data from U.S.C.& G.S.

E. Arieh
Chief, Seismological Laboratory

STATE OF ISRAEL
Ministry of Development
Geological Survey
Jerusalem
Division of Quaternary & Recent Geology
Seismological Laboratory

Address:
Seismological Laboratory
Geography Building
Hebrew University Campus
Jerusalem, Israel

Jerusalem Provisional Readings
Bulletin No. 108
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No.	Date	Phase	G	C	T	
1	1	i	04	59	46.7	C
2		iP	09	59	11	
		45.2N; 150.3E. Kurile Is.				
		M = 5 - 5¼				
3		eP	10	05	00	
		44.6N; 149.9E Kurile Is.				
		M = 49				
4		iP	22	58	39.7	
		37.1N; 139.6E. S. of Honshu, Japan				
		M = 5.1, h = 147 km				
5	2	iP	01	31	55.1	C
		60.1N; 146.0W Alaska aftershock M = 5¼				
6		iP	05	15	55.0	
		1.2N; 118.9E.				
		Maccassar Strait				
7	3	iP	12	21	15	C
		iS			1(7)	
8		iP	19	23	16	C
		11.0N; 39.3 E Central Ethiopia M = 5				
9		iP	11	03	1(3)	
		11.7N; 144.5E.				
		Mariana Is. M= 6				
10		iP	11	19	42	C
		L o c a l ?				
11	4	eP	11	14	3(6)	
		42.2N; 23.6E S.W. Bulgaria M = 4.2				
12	5	eP	04	56	2(3)	
		eS		58	50	
13		iP	23	48	24.2	C
		iPP		51	33.3	
		e(S)		58	49	
14	6	ePKP	07	40	36.6	
		18.3N; 100.4W Mexico				
		M = 6 3/4 - 7½				
15		eP	08	05	18.7	
		eS			50.5	
16		eP	10	20	11.1	
		37.1N; 7.14E Hindukosh				
		M = 5.9, h = 100 km				
17	8	eP	01	35	45.9	
		eS		37	48.4	
		34.9N; 21.7E. Eastern Mediterranean Sea,				
		M = 4.3				
18		iP	12	08	52.(4)	
		5.5S; 129.8E. Banda Sea				
		M = 6.5, h = 165 km				
19	9	eP	03	41	4(4.4)	
		29.3N; 52.7E. S.W. Iran				
20		eP	05	59	04.4	
		15.4N; 119.8E Near W. coast of Luzun P. Is.				
		M = 5.5				
21		ePKP	11	41	52.5	
		23.3S; 175.7W. Tonga Is.				
		M = 5½ - 5 3/4				
22		iP	12	14	41.0	D
		34.2 N;140.9E. Off east coast of Honshu, Japan. M = 5.				
23	9	ePKP	16	58	43.9	
		15.5S; 167.6E. New Hebrides Is.				
		M = 7½ - 7 3/4, h = 121 km				
24	11	eP	03	15	11.4	
		e(S)		18	06.6	

No.	Date	Phase	G	C	T
25	11	eP	09	57	11 (C)
		59.7N; 146.1W. Alaska . M = 5			
		iP	10	17	12.4 D
26		iP	20	38	32.1 C
		59.7N; 146.2W Alaska M = 5 - 5 3/4			
27	12	iP	01	57	40.6 C
		38.6N; 139.2E. Near W. coast of Honshu, Japan M = $5\frac{1}{4}$ - $5\frac{1}{2}$			
28		eP	20	25	01.2
		24.9N; 95.3E. N.W. Burma h = 155 km. M = 6-7			
29	13	iPKP	01	33	10.5
		20.7S; 178.7W. Fiji Is. M = 4.9. h = 575 km			
30		iP	11	07	54.0 C
		23.7N; 94.7E. N.W. Burma M = 6.5, h = 117 km.			
31		iP	17	25	37.4
		8.0N; 126.8E. Mindane P. Is. M=4. h = 104 km.			
32		eP	21	13	38.3
		7.7N; 34.7W. North Atlantic Ocean			
33	14	i(P)	02	01	44.0
34		e	02	56	3(9)
35	14	iP	14	10	50.9
		53.3N; 159.7E, Near east coast of Kamchatka M = 5.5			
36	15	eP	06	04	38.4
		eS		05	21.8
37		eP	07	08	31.8
38		eP	09	54	40.5
		35.2N; 4.5E. Algeria M = 4.3			
39		i(P)	17	24	12.8 C
		i(S)			37.8
		i(P)			47.3
		i(S)		25	12.5
40		i(P)	17	39	12.8
41	16	iP	17	41	22.1
		36.1N; 30.8E. Near coast of S.W. Turkey M = 4.9			
42	17	eP	02	37	03
		38.2N; 23.7E. S. Greece M = $5\frac{1}{2}$- 5 3/4 h=150 km.			
43		iP	04	53	35.3 D
		49.3N; 158.6E. Kurile Is. M = 4 3/4			
44	1	iPKP	05	13	53.6
		24.3S; 179.6E. S. of Fiji Is. h= 495 km			
45		iP	22	13	1(0.5)C
		iS		14	1(3)
46		iP	23	07	0.8 C
		44.6N; 149.2E. Kurile Is. M = 5			
47	18	iP	03	42	18(.6)
		iS		43	49
		36.3N; 26.1E. Dodecanese Is. M = 4.9, h=115 km			
48	20	iP	13	44	10(.2)
		eS			17.(5)
		iPKP	23	02	42 C
		35.5S; 179.7E. Off North coast of N. Is. N.Z. M = 4.9, h = 223 km			
49	21	iP	02	24	06
		eS			4(2)
50		iPKP	04	08	27.2D
		26.0S; 178.0W. Fiji Is. reg. M=$5\frac{1}{4}$-$6\frac{1}{2}$, h=222 km.			
51		eP	10	06	31.5
		72.1N; 130.2E. Laptev Sea. M = 5.4			
52		iP	11	50	57.5
		27.7N; 56.3E. Near coast of S. Iran			
53		iP	13	25	16.0 C
		11.5N; 121.9E. Panay P. Is.			
54		e	22	49	36
55	22	eP	04	45	57.5
		e(S)		49	32

No.	Date	Phase	G	C	T	
56	22	ePKP	12	39	32.5	
		22.2S; 175.4W. Tonga Is. M = 4.3				
57	23	iP	08	45	27.5	C
58		iP	10	10	00.7	
		L o c a l				
59		iP	19	20	56.5	D
		59.9N; 149.2W. Alaska M = 5.4				
60		eP	20	48	3(8)	
61		eP	23	32	35.5	
		e(S)		34	31.5	
62	24	eP	00	07	43.0	
		e(S)		09	37.0	
63		eP	01	34	(20)	
		e(S)		36	16	
64		iP	07	03	23.0	C
		46.9N; 153.9E. Kurile Is. M = 6				
65		iP	08	25	09.0	
		47.2N; 153.8E. Kurile Is. M = 6½				
66		iP	09	29	32.0	C
		46.8N; 154.1E. Kurile Is. M = 5.				
67		iP	10	14	47.5	
		46.8N; 153.8E. Kurile Is. M = 5.1				
68		eP	12	48	30.3	
		46.9N; 154.0E. Kurile Is. M = 4.9				
69		iP	13	37	48.5	C
		47.0N; 153.7E. Kurile Is. M = 5 3/4 - 6.				
70		iP	14	03	13.5	
71		iP	16	46	58.0	
		47.2N; 153.9E. Kurile Is. M = 5.				
72		iP	17	15	19.1	C
		eS		25	43.0	
73		iP	19	02	34.0	C
		47.0N; 153.8E. Kurile Is. M = 5.1				
74	24	iP	19	04	34.0	
		46.7N; 153.9E. Kurile Is. M = 4.8				
75		iP	19	07	45.5	
		46.9N; 154.0E. Kurile Is. M = 4.9				
76		iP	22	24	08.9	
		47.0N; 153.9E. Kurile Is. M = 4.8				
77	25	iPKP	12	39	48.4	
		19.9S; 176.2W. Tonga Is. M = 4.8				
78		eP	18	16	37.4	
		46.8N; 154.1E. Kurile Is. M = 4.8				
79		ePKP	19	49	55.9	
		27.9S; 70.9W. N. Chile M = 6-6½				
80		iP	21	42	53.0	
		2.9N; 128.2E. North of Halmahera, M =5.1				
81	26	eP	18	47	06.4	C
		46.8N; 153.8E. Kurile Is. M = 5.2				
82	27	eP	23	13	07.0	
		46.8N; 153.8E. Kurile Is. M = 5.3				
83	28	eP	00	12	40	
		eS		13	00.7	
84		iP	02	02	01	D
		eS			4(5.5)	
85		iP	20	34	36.3	C
		iS			57	
86		iP	21	48	36.5	
		eS		56	38.5	
		14.3N; 96.2E. Andaman Is. M = 5.5				
87		iP	22	56	29.2	D
		14.1N; 96.1E. Andaman Is. M = 5.6				
88	30	ePKP	01	40	43	
		17.7S; 178.2W. Fiji Is. reg. M = 4.3, h=643 km				
89	31	iP	04	17	37.5	D
		44.6N; 151.6E. Kurile Is. M = 5.5				

No.	Date	Phase	G	C	T	No.	Date	Phase	G	C	T
90	31	eP	23	55	2(8)						
		eS	24	03	13						
		86.3N; 40.5E. Arctic Ocean									
		M = 4 3/4 - 5.									

N.B. Epicenter data from U.S.C. & G.S.
Registration mostly from
Benioff Vertical
(To=1.2, Tg_1=0.26, Tg_2=24.5)

E. Arieh
Chief, Seismological Station

Acked. on 2/8/63 requesting continuation of bulletins.

KK

Notice

1. Since we are revising our mailing list we would appreciate being notified if you are interested in our monthly bulletins. Please indicate also your correct address.

2. Please note down our new address.

Geological Survey of Israel
Seismological Laboratory
Hebrew University Campus
Geography Building
Jerusalem - Israel

STATE OF ISRAEL
Ministry of Development
Geological Survey - Jerusalem
Division of Quaternary and Recent Geology
Seismological Laboratory

Address
Seismological Laboratory
Geography Building, Hebrew University Campus
Jerusalem, Israel

Jerusalem Provisional Readings
Bulletin No 109
August 1964

No	Date	Phase	G	C	T
1	2	iP	08	40	2(1)
		eS		41	4(7)
2		eP	10	45	0(9)
		43.8N; 13.0E central Italy M=4-5			
3		eP	11	16	48
		iS			53.0
4		iP	14	48	50
		iS			52.5
5	3	e(S)	01	33	38.0
6		iP	07	56	27.5C
		e(Ps)	08	06	28
		e(SS)	08	11	34
		22.6N; 121.3E, Near S. coast of Taiwan M=5.4			
7		eP	13	50	4(3)
		iS		51	0.72
8	3	iP	14	43	45.7
		Local			
9		eP	18	22	(44)
		eS		24	25
10		eP	03	32	0(5)
		eS		33	1(4)
11	4	iP	14	55	27.7
		Local			
12		iP	17	36	47.1
		e(S)		47	00
		46.5N; 151.1E Kurile Is. M=5½-5 3/4. h=101			
13		eP	23	21	08
		eS		23	25.5
		34.3N; 46.0E Iran-Iraq Border			
14	5	iP	04	36	40.4
		Rynkyn Is. M=5.1 h=144Km			
15	5	iPKP	11	25	21.0
		i(pPKP)		26	23.4
15		iPKs	11	29	03.9
		31.2S; 179.8E. S. of Kermadec Is. M=5½-6 3/4 h=235			
16		iPKP	22	42	10.5
		ePP		43	57.3
		ePPP		46	35
		iPS		53	45
		41.1S; 74.9W off coast of S. Chile M=6½-6 3/4			
17		eP	00	17	(40)
		e		20	14.5
		e			26.5
18		iP	02	45	16.3
		31.5N 129.9E S.W. of Kyushu Japan M=5.5 h=197			
19	6	iPKP	17	22	17.6
		22.5S 179.5W. S. of Fiji Is M=5-3 h=504			
20	7	i	00	18	23.0
21	7	eP	03	11	(34)
		e(S)		12	48.5
22	8	e(S)	02	41	55.7
23	8	eP	08	53	4(1)
		eS		55	2(5)
24		eP	09	43	27.5
		iS		44	51
25		iP	15	12	06.7
		31.7N 140.2E. S. of Honshu Japan M=5.7 h=110			
26	9	eS	02	45	(00)
27		eS	10	11	3(7.5)
28		eP	15	02	34.5
		iS			36.5
29		iP	20	19	32.5D
		0.3S 125.1E Molluca Sea M=5			

No	Date	Phase	G	C	T
30	10	iP	18	04	28.0
		45.1N 149.9E Kurile Is. M=5.3			
31		eP	18	23	02.7
		30.3N; 57.7E Iran M=45			
32		eP	20	08	10.2
		eS		09	19
33		iP	20	29	20.1
		44.6N; 148.8E KUrile Is. M=4.8			
34		eP	21	36	34.6
		eS		37	46
35	12	eP	02	38	45
		27.2N; 56.4E Iran M=4.7			
36		iP	07	04	020
		i(pP)			20
		ePP		07	075
		48.9N; 153.7E Kurile Is M=5.6 h=127			
37		iP	19	29	20.9
		iS		32	27.0
		31.0N; 49.8E Iran M=5.1			
38	13	eP	00	45	37
		ePKP		49	16.7
		iPP			34
		epPP		51	51
		iPKKP		59	42.5
		5.4S; 154.3E Solomon Is M=6 h=383			
39		eP	10	40	03.5
		e		41	35.5
		34.2N; 25.7E Crete M=4.4			
40		iP	14	54	035C
		Local			
41		iP	15	44	02.0
		LOcal			
42	14	eP	21	39	02.5
		eS		48	21
		SS		52	40
		7.4N;36.8W central Mid Atlantic Ridge M=4.8			
43	15	iP	08	59	17.0
		eS	09	00	28.5
		34.3N; 28.0E Eastern Mediterranean			
44		eS	11	35	33
45	16	eP	15	56	22
		eS		59	09
		27N; 53.0E Southern Iran			
46	16	eS	18	17	23
		Local			
47		eP	21	32	37.5
		39.7N; 52.6E Caspian Sea M=4.8			
48	17	iP	00	19	42.2
		iS		21	0.2
		35.0N; 26.0E Crete M=4.8			
49		iP	12	03	34.1D
		iPcP			48.5
		ePP		06	02
		46.3N; 1519E Kurile Is. M=4.9			
50		eP	05	06	14
		42.6N; 142.3E Hokkaido Japan M=5.1			
51		iP	15	23	30.0D
		iPP		25	11.2
		eS		30	08
		72.2N; 1.7E Norwegian Sea M=5.4			
52		e(S)	17	32	34
53		iPKP	22	22	25.1 C
		24.5S; 176.8W. S. of Fiji M=4.5			
54		iP	22	32	11.8
		iS		33	41.5
55	18	ePKP	05	03	46.0D
		ePP		04	54.5
		eSKS		10	38
		ePS		14	42
		ePPS		15	50
		eSS		21	09
56		iP	11	17	46.4
		0.5N; 67.2E. Carlsberg Ridge M=5.1			
57		iP	15	32	52.9
		5.7N; 58.0E Carlsberg Ridge M=5.4			
58	19	eP	09	36	44
		eS		39	49
		28.2N; 52.6E. S. Iran M=5.6			
59		eP	15	23	50
		eS		26	55
		28.2N; 52.7E. S. Iran M=5.6			
60		eP	22	43	54.5
		28.4N; 52.7E S.Iran			
61	20	eP	02	16	30

MER

No	Date	Phase	G	C	T
62	20	iP	04	28	17.5
		4.1N;95.4E. Northern Sumatra h=93Km			
63		eP	04	59	28
		e(S)	05	01	38
64		iP	05	12	26.8
		28.1N; 52.6E. S.Iran ... M=5.1			
65		iP	05	43	21.7
		28.2N; 52.6E. S.Iran M=5.5			
66		eP	13	00	55
		37,4S; 78.3E M,d Indian Rise.			
67		eP	22	58	19
		28.7N;52.9E. S.Iran			
68	21	e(s)	16	03	55.5
69		eP	16	51	28.5
		40.1N; 40.9E. Turkey M=4.6			
70		e(P)	23	56	49.5
		e(S)		58	11.5
71		eP	00	11	30
		12.2S; 110 E. N.W.of Australia. M=5.3			
72	22	iP	10	16	28.5
		iS		17	48.8
73		e(S)	18	32	36.5
74	23	ePKP	15	43	32
		6.1S; 149.4E. New Britain region. M=4.9			
75	24	e(P)	12	31	10.5
76		eP	17	38	56
		0.2N; 123.8E. N.Celebes M=5.4 h=127Km			
77		iP	21	09	54.5C
		58.4N; 150.3W Gulf of Alaska M=5.8			
78		i	20	42	32.5
		e		46	18.5
79	25	iP	07	09	50
		eS		11	01.5
		35.4N;28.6E. East Mediterranean Sea M=4.6			
80		e(S)	07	23	33
81		e(S)	07	38	31
82		iP	08	06	35.5
		eS		07	49
82	25	35.6N; 29.1E. Eastern Mediterranean Sea M=4.6			
83		eS	08	21	44.5
84		e(S)	10	57	37
85		iP	11	13	23.0D
		iS		14	31
		36.1N; 28.7E. Dodecanese Is. M=4.9			
86		iP	11	24	01.4
		iS		25	13
87		iP	11	44	33.5D
		35.4N; 28.9E. Eastern Mediterranean M=4.5			
88		eP	13	57	19.5
		78.2N;126.6E. East of Severnaya Zemlaya M=6 1/4-6½			
89		iP	14	39	06.8D
		iS		40	20
		35.7N; 29.1E Eastern Mediterranean M=4.8			
90		eP	14	47	38.5
		eS		48	50
91		eP	16	17	41
		eS		18	54
92		eP	16	36	35
		eS		37	46
93		iP	17	57	09.5
		eS		58	21
94		eP	19	22	06
		iS		23	17
		33.8N; 27.9E. Eastern Mediterranean Sea. M=4.4 h=132Km			
95		iP	20	55	10.5
		eS		56	22
		34.9N; 29.0E. Eastern Mediterranean Sea			
96	26	eP	03	27	43.5
		52.1N; 30.1W. North Atlantic Ridge M=5.4			
97		e	05	44	(31)
98		iP	oS	52	11.7D
		47.2N; 148.4E. N.W. of Kurile Is. M=5.3, h=308Km			
99		e(S)	15	12	59.5
100		e(S)	15	30	01
101		eP	19	49	0(5)
		iS		50	17.2

No	Date	Phase	G	C	T
102	26	eP	20	01	27
		eS		02	38.5
103	27	eP	03	42	(50)
		iS		44	02.0
104		iPKP	08	13	47.7 C
		17.5S;173.0W. Tonga Is.			
		M = 4½			
105		iP	12	06	49.0
		28.2N;55.7E. S. Iran			
		M = 5.1			
106		iP	13	01	01.8 D
		iS		04	39
		27.5N;55.9E. S. Iran			
		M = 5.3			
107		iP	19	33	31.6
		eS		34	41
		35.3N; 28.7E. Eastern Mediterranean Sea			
		M = 4.7			
108	(27)	eP	20	08	56
		eS		09	50.5
109		eP	21	12	37
		eS		13	49.5
110	28	ePKP	00	08	16
		21.6S; 175.3W. Tonga Is.			
		M = 5.2			
111		ePKP	04	54	07.5
		epPKP		56	25.0
		19.8S; 178.2W. Fiji Is.			
		h = 580 km M = 5.4			
112		eS	13	27	50
113		iP	13	31	25.5C
		*ePcP		32	15
114		eS	14	36	5(4)
115		PP	15	39	0(3.5)
		iS		40	15
116		eP	22	57	50
		eS		58	(00)
117	29	eS	[illegible]	45	47
118		eS	11	26	14
119		eS	12	41	10
120		eP	13	08	5(9)
		eS		09	58
121	29	eP	13	55	48
		eS		56	49.
122		iP	19	39	30.0 D
		iS		40	42.0
		35.2N; 28.6E Eastern Mediterranean M=4.7			
123		eS	21	11	12
124	30	eP	02	43	32 C
		27.6N; 88.3E. Sikkim			
		M = 5.2			
125		eP	07	51	3(3)
		eS		52	44.
126		iP	15	22	51.8 C
		L o c a l			
127		iPKP	22	04	19.1 C
		19.9S; 176.0W. Fiji Is.			
		h = 253 km M = 5.6			
128	31	ePKP	02	34	02
		35.2S; 106.0W. Easter Is. Cordillera M = 5.2			
129		eS	06	02	51.5
130		iP	06	03	42.0 D
		iS		04	07.0
131		iP	06	48	59.5
		iS		49	24.7
132		eP	19	39	(10)
		eS		41	34
133		iP	22	02	29.0
		iS		04	03.7
134		eP	23	52	05.5
		eS		53	14

JER

Eli Arieh
Chief, Seismological Laboratory

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

* 7.1N;95.1E. Nicobar Is Region M = 5.2

Geofysikální ústav ČSAV
P r a h a 4 - Spořilov

B U L L E T I N S É I S M I Q U E
préliminaire

de la station séismologique de KAŠPERSKÉ HORY (Tchécoslovaquie)

φ = 49°07'51" N, λ = 13°34'42" E
sous-sol: gneiss

Appareil: séismographe électrodynamique vertical (T_1 = 1,5 sec, T_2 = 0,7 sec, D_1 = 0,8, D_2 = 2,2, T_m = 1,0 sec, V_m = 1.10^5).

Date	Phase	h m s	Remarques
1	ePg	04 39 05	D = 1°. eiSg 39 18,2, Lm 39 24
1	e	10 44 32	
1	eiP	13 33(01)	P int.min. Région Indes-Chine. ei 33 22
1	ei	13 38 10,7	eiSg 38 29,5
1	ei	16 06 30	
1	iP	17 28 50,7	D. T 1,2 AMP 112,5 MU. Iles Aléoutiennes. i 29 05,2
1	e	18 34 22	ei 35 32
2	e	06 09 24	ei 10 29,2
2	eP	13 30 29,7	D = 20 km. eiSg 30 32, Lm 30 34
2	eiP	18 24 34,2	Colombie
3	eiPKP	13 16 03,5	Iles Fidji
3	ei	13 23 41,5	
3	ePKP	17 18 32	Iles Tonga. ei 18 44,7
4	e	00 35 32	
4	iP	03 38 34,4	D. T 1,4 AMP 61,5 MU Océan Atlantique. ei 39 15
4	eiP	03 44 19,6	C. T 1,0 AMP 24,2 MU. Turquie. ei 45 05
4	ePKP	10 52 45,5	Nouvelle Guinée
4	e	16 08 37	
4	e	20 14 21	eiSg 14 57,2
5	eiPKP	03 12 44,5	Iles Salomon. i 13 11,7
5	e	05 57 21	eiSg 57 57
5	ei(Pg)	10 21 15,7	ei 21 41, eSg 21 49
5	eiP	12 37 20,2	C. Océan Atlantique. e 39 29
5	ePg	16 30 40	D = 1,6°. eiSg 31 02, Lm 31 21
5	eiPn	21 10 03,2	C. Italie centrale. D = 5,2°. ei 10 34, eiSg 11 38,5, i 56,2
5	ei	21 22 52,5	ei 23 43, ei 24 24,2
5	e	21 46 03	ei 47 23
5	ePn	22 29 59	Italie Centrale. D = 5,4°. ei 30 03, ei 30 31,5,,eiSg 37
6	eiPKP	09 40 03	D. T 1,2 AMP 18,7 MU. Iles Fidji. ei 40 11,5
6	e	12 13 52	ei 15 52,7
6	ei	18 59 32	
6	iP	19 09 16,2	D. T 0,7 AMP 22,2 MU. Iles Nicobar. ei 09 31
7	eiP	04 05 46,5	T 1,2 AMP 18,7 MU. Iles Kouriles
7	eiP	07 33 26,5	Ile de Kodiak
7	e	10 07 48	ei 08 11, eiSg 08 20, Lm 08 32
7	eiP	11 35 41,2	Mer Arabique. ei 35 51,7
7	e	12 32 33	ei 32 39,2

Date	Phase	h	m	s	Remarques
8	e	11	25	46	e 26 26, ei 26 45
8	eP	13	52	52	Japon
8	ePKP	14	01	25	Iles Fidji
8	ePKP	14	28	56	Iles Fidji
8	ePg	15	51	15	D = 80 km. eiSg 51 24,5, Lm 51 29
8	eiPKP	17	24	13	D. T 1,2 AMP 50,0 MU. ei 24 21,5. Iles Fidji
9					
9	ePg	11	49	37,7	D = 20 km. eiSg 49 40. Lm 49 43
9	e	11	57	51	Lm 57 54
9	e	12	56	59,5	ei 57 07,5, ei 57 40
9	eiSg	13	19	40	Lm 19 49
9	ei	14	00	07	Explosion 5,3 tonnes. Lm 00 12
9	e	14	38	05	
9	eiP	22	25	25	Iran-Iraq
10	e	12	56	51	ei 57 16, Lm 57 38
10	eiSg	16	06	21	
11	eiSg	11	49	25	
11	e	12	50	04	eiSg 50 09, Lm 50 25
11	iPg	16	46	39,5	D = 1,6°. eiSg 47 00,5, L 47 10, Lm 47 17
12	e	05	20	08,5	ei 20 54
12	iP	13	01	54,7	C. T 0,9 SEC AMP 18,8 a/ 0223
12	e	13	12	11	
12	eiPKP	15	38	00,5	C. Iles Fidji. ei 40 23,5
12	eiPg	17	04	56,5	D = 1,3°. eiSg 05 12,7, Lm 05 21
12	e	18	21	11	
12	eiPg	20	26	27,2	D = 1,5°. eiSg 26 47, Lm 26 50
12	eiP	20	37	51	T 1,0 SEC AMP 53,0 MU. Iles Kouriles
12	iPKP1	22	26	58,2	C. T 3,5 SEC AMP 1400,0 MU. Iles Aucland. iPKP2 27 47,7
13	eiPKP	11	22	58,2	Région des Iles Fidji 19,8°S 177,7°W. H = 11 03 50,0, h = 357 km ca. Magnitude 5,2 CGS
13	e	12	19	09	ei 19 31
13	ePKP	16	12	03,5	Iles Samoa
13	ePn	22	55	34	Frontière Yougoslavie-Albanie. D = 8,8°. ei 55 44,5
	eiSn		57	17,5	
14	ePg	09	58	14	D = 1,8°. eiSg 58 38
14	ei	10	00	04	
14	eiSg	10	11	30	Lm 11 35
14	iP	10	29	20,7	C. T 1,0 SEC AMP 90,9 MU. Alaska. ei 29 36,5
14	e	14	27	07	
14	ei(Pg)	15	19	58,5	e 20 36,5
14	eiP	15	28	29	T 0,9 SEC AMP 53,8 MU. Iran
14	iP	20	52	27,7	C. T 1,0 SEC AMP 98,4 MU. Iles Kouriles.
15	eP	00	07	44,7	Iles Kouriles 44,8°N 147,8°E. H = 23 55 49,8, h = 33 km ca. Magnitude 4,2 CGS
15	ePKP	01	19	47	Iles Tonga 15,6°S 175,9°W. H = 01 00 08,0, h = 9 km ca. Magnitude 4,9 CGS
15	eiPKP	13	03	52	Iles Samoa. t 1,3 AMP 75,0 MU
15	eiP	15	41	19,2	T 1,3 sec AMP 385,0 MU. Iles Nicobar
15	e	16	03	15	
16	iP	01	38	04,7	C. T 0,8 SEC AMP 69,4 MU. Iles Andaman. ei 38 46,7
16	iP	02	01	45,7	C. T 2,0 SEC AMP 200,0 MU. Alaska

Date	Phase	h	m	s	Remarques
16	eiPg	16	01	03,7	D = 2,9°. ei 01 38,5, eiSg 01 40,5
16	eiSg	17	07	13	Lm 07 19
16	eiPKP	21	06	16,5	Iles Fidji
16	eiP	22	32	49,5	T 2,0 AMP 350,0 MU Océan Atlantique
17	ePg	09	01	09	Explosion 8 tonnes. Dc = 240 km. ei 01 15,2, eiSg 01 39,2
17	e	11	53	28	
17	eiPg	12	14	33,5	Explosion 8,3 tonnes. Dc=151 km. Lm 15 05
17	eiSg	13	30	31	Lm 30 34
17	e(Sg)	14	22	32	
17	iP	15	08	15,8	C. Crête mediane de l'Atlantique. ei 08 43
18	eiP	00	12	49,5	Mer Mediterranée. T 1,5 SEC AMP 52,6 MU. i 13 12, ei 16 36, eL 18 49, Lm 20,5
18	e	06	35	22	ei 36 06
18	e	09	18	02	Lm 18 07
18	e	12	57	11,8	Explosion 10,2 tonnes. Dc=97 km. eiSg 57 21,2, Lm 57 28
18	eiP	13	19	08	Açores. T 1,5 SEC AMP 65,8 MU. i 19 09
18	e	16	05	02	
18	eiPg	16	54	11,6	Explosion 11 tonnes (Eschenloho). ei 54 36,6, ei 54 41,7
18	e	23	44	56	
19	eP	05	21	10	Mexique. ei 21 20
19	ei	07	05	40	
19	e	15	43	55	eiSg 44 41,2, Lm 44 44
19	eiPg	15	56	08,6	D = 68 km. eiSg 56 16,2, Lm 56 20
19	ei	17	52	23	eiSg 52 40
20	ePKP	04	53	09	Cordillère. ei 53 18,2
20	ei	05	08	38,5	
20	e	12	23	09	ei 23 31
20	eiP	14	48	02	Japon. ei 49 46, ei 49 52,5
21	eiPg	01	46	55,2	D = 1,8°. eiSg 47 19, Lm 47 26
21	eiPKIKP	04	41	57,8	D. T 1,1 SEC AMP 43,1MU. Iles Fidji. iPKP 42 05,2, i 42 16,2 ei 44 23
21	e	09	53	17	eiSg 53 42
21	eiSg	09	56	21,2	Lm 56 43
21	eiPKP	17	16	26,2	Iles Fidji
21	eiPKP1	18	30	10,2	Iles Kermadec. eiPKP2 30 48,7
22	eiP	09	19	36,2	Iles Kouriles
22	eiPn	12	46	57,2	D = 2,3°. eiPg 47 01, ei 47 22, eiSg 47 26
22	eiPg	15	19	46,5	D = 1,7°. eiSg 20 09,8
22	eiPg	15	24	37,5	D =1,7°. eiSg 25 00,4
22	e	19	11	09	eiSg 11 25, Lm 11 34
23	eiP	01	45	33,7	T 0,8 SEC AMP 19,0 MU. Ile de Chypre.
23	e	03	36	23	Slovaquie centrale. ei 36 41,5
23	i	05	11	43,5	C. T 2,0 AMP 250,0 MU. Ile de Unimak. ei 11 54,5
23	e	10	14	39	eiSg 14 47, Lm 14 52
23	e	10	56	19	eiSg 56 29, Lm 56 33
23	ei	12	45	53	Lm 45 59
23	eiPg	13	53	25	D = 1,0°. eiSg 53 38,5, Lm 53 46
23	eiSg	14	16	40	
24	e	13	15	25,6	ei 16 06,5
24	ei	13	44	51,7	ei 17 13 29

Date	Phase	h	m	s	Remarques
25	ePg	10	15	48	D = 68 km, eiSg 15 56, Lm 16 01
25	eSg	11	00	40	Lm 00 45
25	e	13	02	00	eiSg 02 09, Lm 02 17
25	eiSg	13	45	22	Lm 45 25
25	eiSg	13	45	49	Lm 45 53
25	eiP	15	54	24,7	T 1,5 SEC AMP 83,3 MU. ei 54 36
25	e	16	39	07	eiSg 39 10, Lm 39 16
25	eiP	17	36	39,7	C. T 1,2 AMP 25,0MU. Région de Unimak 53,6°N 163,9°W.
	ei		36	50	H = 17 24 44,9, h = 30 km ca. Magnitude 5,1(CGS)
25	eiPKP	23	46	57,2	Iles Kermadec 30,7°S 179,9°W. H = 23 27 49,7, h = 424km ca.
	ei		47	36,7	Magnitude 5,3 CGS
26	eiP	00	55	18	T 1,0 AMP 106,0 MU. Tibet. ei 56 13, ei 57 26
26	eiPKP	03	58	17,5	T 1,7 SEC AMP 38,0 MU. Iles Tonga
26	e	10	34	36	ei 34 43
26	eSg	10	45	23	Lm 45 30
26	eiPKP	23	14	1?,2	Nouvelle Irelande 4,9°S 153,5°E. H = 22 55 14,8, h = 34 km ca. Magnitude 5,5 CGS
27	eP	03	53	01	Iles Kouriles 44,1°N 149,0°E. H = 03 40 56,8, h = 35 km ca. Magnitude 4,7 CGS
27	e	12	04	02	
27	eiP	16	02	29,8	C. T 2,0 AMP 133,3 MU. Ile de Kodiac 56,6°N 152,0°W. H = 15 50 54,7, h = 27 km ca. Magnitude 5,4 CGS
27	e	18	52	04	eiSg 52 20
28	eiP	05	14	56,2	T 1,2 AMP 25,0 MU. Océan Atlantique 1,2°S 24,1°W. H = 05 04 55,5, h = 37 km ca.Magnitude 5,5 CGS
28	eiP	06	58	58,7	T 1,1 AMP 21,8 MU. Afghanistan 36,6°N 71,6°E. H = 06 51 05,3, h = 118 km ca. Magnitude 5,5 CGS
28	ei	10	04	53	eiSg 05 19
28	e	10	55	41	eiSg 56 06
28	e	11	20	14	Lm 20 25
28	ei	13	37	36	
28	ei	16	38	24,2	C. Japon 34,0 N 141,2°E. H = 16 25 54,6, h = 71 km ca. Magnitude 5,0 CGS
29	ei	00	46	24	
29	eiSg	06	07	38	Lm 07 45
29	eiSg	07	30	23,6	Lm 30 47
29	eiPg	10	59	24	D = 1,5°. eiSg 59 43, Lm 11 00 15
29	eiSg	11	13	25	Lm 13 38
29	eiPKP2	14	19	59,8	Iles Tonga 20,4°S 174,4°W. H = 14 00 14,9, h = 29 km ca.
	i		20	06,3	Magnitude 5,7 CGS. i 20 34
29	eSg	14	46	49	Lm 46 54
29	e	22	34	40	Mer Mediterranée 34,3°N 23,0°E. H = 22 30 48,4, h = 33km ca
KMC 30	eiPg	01	17	14,2	~~D = 1,9°~~. eiSg 17 39. Lm 17 44
30	eiP	04	43	29,2	Région Crete 34,5°N 23,4°E. H = 04 39 44, h = 43 km ca.
	i		43	34	Magnitude 4,6 CGS
30	e	10	01	05	eiSg 01 35
30	eSg	10	27	16	Lm 27 28
30	eSg	12	56	49	Lm 56 57
30	ePg	21	32	31	Carpathes. D = 3,8°. eiSg 33 16,4

Praha, le 16 janvier 1964.

J.Nykles
B.Závorka

STATE OF ISRAEL
MINISTRY OF DEVELOPMENT
GEOLOGICAL SURVEY
DIVISION OF QUATERNARY & RECENT GEOLOGY
SEISMOLOGICAL LABORATORY

Address
Seismological Laboratory
Geography Building
Hebrew University Campus
Jerusalem, Israel

Jerusalem Provisional Readings
Bulletin No. 110
September 1964

No	Date	Phase	G	C	T
1	1	eP	13	31	27
		27.2N;92.3E. India China border. M=5.7			
2	4	iP	03	39	53.0
		7.6N; 36.9W Central Mid. Atlantic. M=5.4			
2a	JER	eP	03	41	40
		eS		43	2(8)
		39.8N;40.3E. Turkey. M=5.0			
3		eP	10	47	47
		eS		58	34
		4.0S; 131.4E West New Guinea region. M=5.9			
4	5	ePKP	03	13	45
		5.8S; 154.0E. Solomon Is. M=6.4			
5		eP	12	38	03
		0.6N; 25.9W Central Mid Atlantic Ridge. M=4.7			
5a		eP	22	17	(10)
		eS		18	20
6	6	iP	19	07	22.7D
		7.1N; 93.7E Nicobar Is. M=5.2			
7	7	iP	04	46	54.0
		is		47	19.0
8		iP	11	32	22.5D
		15.7N; 53.3E. Arabian Sea M=4.5			
9	8	ePKP	14	01	1(8)
		24.1S;177.6W. S of Fiji Is M=4.8 h=165Km.			
10	8	ePKP	14	28	49
		23.8S; 177.5W. S of Fiji Fiji Is. M=4.7			
11		ePKP	14	32	1(2)
		23.9S; 177.2W. S. of Fiji Fiji Is. h=175Km M=4.5			
12		ePKP	17	24	09.4
		20.4S; 178.3W. Fiji Is. reg. h=539Km. M=5.4			
13	9	eP	15	53	(45)
		es		55	04
14		eP	22	22	(36)
		es		24	1(5)
		34.5N; 45.8E. Iran Iraq border region M=4.5			
15	12	ePKP	22	26	12
		49.1S; 164.2E. Auckland Is. reg. M=6.9			
16	14	iP	14	21	13.7C
		Local			
17		eP	15	25	22.5D
		28.0N; 55.8E Southern Iran. M=4.8			
18	15	ePKP	13	04	02.5
		16.0S; 172.9W Samoa Is reg. M=5.3			
19		iP	15	39	25.5C
		eS		47	21.5
		8.9N; 93.1E. Nicobar Is. reg. M=6.2			
20	16	ePKP	21	06	21
		16.1S; 176.5W Fiji Is. reg. M=5.1; h=352Km.			

No	Date	Phase	G	C	T
21					
21	16	eP	22	34	52.5
		22.9N; 45.1W. N. Atlantic Ridge M = 5.4			
22	17	eP	15	11	15.5
		44.5N; 31.3W. Azores Is. M = 5.6			
23	18	eP	00	10	19
		35.4N; 28.8E. S.W. of Rhodes Is. M = 4.7			
24		eP	13	21	56.5
		39.8N; 29.7W. Azores Is. M = 5.5			
25	cP	eP	23	42	24
		iS		43	35.5
26	19	eS	17	00	24
27	21	PPKP	04	41	53
		21.8S; 179.6W. Fiji Is. reg. M = 5.4. h = 609 km			
28		iPKP	18	30	06.2 D
		30.1S; 179.5W. Kermadec Is. M = 5.2. h = 319 km.			
29	23	iP	01	41	49.5 D
		eS		42	29.5
		34.3N; 32.6E. Cyprus M = 4.7			
30		eP	05	13	03
		53.6N; 163.9W. Unimak Is. M = 5.5.			
31	24	eS	13	25	43
32	25	eP	02	45	27.0
		eS		46	07.5
33		iPKP	23	46	52.6
		30.7S; 179.9W. Kermadec Is. M = 5.3. h = 424 km.			
34	26	iP	00	53	26.2 D
		30.1N; 80.7E. Tibet India border. M = 6.2			
35		ePKP	03	58	25.5
		17.7S; 173.3W. Tonga Is. M = 5.1			
36	26	eP	14	36	06
		eS			50
37	27	eP	05	14	56.7
		eS		16	12
38		eP	10	06	29.5
		2.3N; 126.7E. Mollucca Passage M = 5.1. h=100km			
39	28	eP	05	15	32
		1.2S; 24.1W. Central Mid Atlantic Ridge M = 5.5.			
40		iP	16	38	22.5
		34.0N; 141.2E. Off east coast of Honshu, Japan M = 5.0.			
41	28 (28)	eP	21	02	19.5
		e(S)		03	40
42	29	ePKP	14	20	02.2
		i			09.3
		20.4S; 174.4W. Tonga Is. M = 5.7			
43		eP	22	33	16.3
		eS		35	08.5
		34.3N; 23.0E. Mediterranean Sea.			
44	30	iP	04	42	10.2
		eS		44	02
		34.5N; 23.4E. Crete M = 4.6.			

JER

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

Eli Arieh
Chief, Seismological Laboratory

State of Israel
Ministry of Development
Geological Survey
Jerusalem
Division of Quaternary & Recent Geology
Seismological Laboratory

Address:
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Geography Building
Hebrew University Campus
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Jerusalem Provisional Readings
Bulletin No. 111
October 1964

Date	Phase	G.	C.	T.
1.	eS	10	03	09
	eP	10	56	01.5
	eS		57	50
	e(S)	12	42	26
	eP	21	24	30.5
	eS		25	38.5
2.	eP	01	10	22.5
	51.9N;142.9E. Sakhalin Is. M=5.7			
	ePKP	13	19	40.5
	ePP		21	38
	10.5S;162.4E. Solomon Is. M=6.0			
	iP	18	14	01.7C
	e(S)			39
	e(P)	22	28	24.5
	e(S)		29	42.5
	iP	22	36	27.3
	59.7N;144.5W. Gulf of Alaska M=5.2			
3	iP	03	59	54.5
		04	01	44.5
	eS	04	14	38.5
	eP	13	52	33
	61.4N;147.1W. Southern Alaska M=5.2			
4	eP	01	50	42.5
	39.4N;15.4E Southern Italy M=4.2 h=261Km.			
5	e	00	12	57
			14	48
	eP	03	47	21
	42.6N;142.6E. Hokkaido, Japan. M=5.0			
	ePKP	08	50	06
	16.7S;173.7W. Tonga Is. M=5.1			
5	ePKP	14	18	49
	22.2S;175.8W Tonga Is. M=5.1			
6	ePKP	07	37	31
	36.2S;100.9W. Southern Pacific Ocean M=5.5			
	eP	14	32	22
	40.2N;28.1E Turkey. M=5.1			
	eP	14	33	45.5
	40.3N;28.2E. Turkey. M=6¼-7			
7	eP	13	42	23.5
	eS		43	45
	iP	23	10	16.0C
	eS		12	03
	40.1N;28.2E. Turkey. M=4.4			
8	iP	10	42	17.7C
	eS			26.1
	eP	12	44	56
	eS			0(4)
	e(S)	14	03	40
	eP	18	45	5(9)
	eS		47	14
9	eP	12	01	21
	eS		02	53.5
	iPKP	21	54	02.1C
	16.2S;L71.9W. Samoa Is. M=5¼			
10	e(S)	16	10	2(3)
	e(S)	19	42	3(7)
	iP	19	51.	36.7C
	60.4N;146.1W. Southern Alaska			
	iP	20	19	29.5D
	ePP		22	54
	eS		29	57
	60.5N;145.4W. S. Alaska M=5.4			
11	i	21	27	49.7D
	eS		38	32
	0.6S;121.7E. Northern Celebes M=6¼-6½			

Date	Phase	G.	C.	T.
11	eP	23	46	03
	6.0N;126.7. Mindano P Is. M=5.4 h=121Km.			
12	eP	14	18	04.5
	eS		19	16
	35.4N;28.8E. Eastern Med.Sea M=4.3			
	iP	15	55	48.1C
	ipP		56	08
	ePP		59	18
	eS	16	06	45
	3.0N;126.7E. Talaud Is. M=5 3/4-6 h=59Km			
	ePKP	22	15	19.5D
	31.3S;110.8W Eastern Is. M=6			
13	eP	01	02.	06.5
	8.2N;122.4E. Mindano, P.Is. M=4.5			
	eP	02	33	23
	44.4N;151.6E. Kurile Is. M=5.2			
	ePKP	03	33	12.5
	16.3S;174.2W. Tonga Is. M=4.7 h=167Km.			
	iP	14	47	300
	Local			
14	eP	03	17	33
	eS	03	28	00
	33.4N;141.8E off east coast of Honshu, Japan. M=5.6			
	eS	17	09	08
	eP	17	31	18.0
	e(S)		35	41
	Socotra region?			
	iP	20	45	10.0
	13.9N;54.6E Socotra region M=5.1			
	eP	21	56	3(0)
	eS		58	(26)
15	iP	14	37	45
	iS			48
	iP	20	39	19.0
	eS		49	40
	44.7N;149.8E Kurile Is M=5.2			
	eP	20	48	00
	44.8N;149.6E Kurile Is. M=4.6			
	iP	22	52	59.7D
	44.6N;149.9E Kurile Is. M=4.6			
16	eP	01	49	11
	44.3N;149.6E. Kurile Is. M=4.1			
	eS	02	16	4(9)
16	iPKP	06	35	02
	ipPKP		36	09.5
	eSKS		52	27
	23.6S;177.6W. South of Fiji Is. (h=178Km.) M=5.5			
	iP	07	12	06.1C
	44.3N;149.5E. Kurile Is. M=5.5			
	eP	07	29	3(3)
	44.2N;149;9E. Kurile Is.			
	iP	07	34	10.6C
	44.2N;149.4E. Kurile Is. M=5.2			
	eP	07	37	15.5
	47.6N;143.4E. Kurile Is. M=5.1			
	iP	07	40	55.0
	44.3N;149.6E. Kurile Is. M=5.0			
	eP	07	49	46.5
	44.5N;145.6E. Kurile Is. M=4.9			
	iP	08	30	54.5C
	44.6N.149.4 Kurile Is. M=5. M=5.2			
	eP	08	35	26
	44.6N;149.6E. Kurile Is. M=5.3			
	eP	08	45	58
	44.2N;149.4E. Kurile Is. M=4.7			
	eP	08	45	58
	44.2N;149.4E. Kurile Is. M=4.7			
	eP	08	50	04
	44.3N;150.1E. Kurile Is. M=4.6			
	eP	08	59	51.5
	45.0N;149.3E. Kurile Is. M=5.0			
	iP	09	30	43.5C
	44.5N;149.1E. Kurile Is. M=5.4			
	eP	11	24	54
	eS		25	01
	eP	12	16	32
	44.6N;149.5E. Kurile Is. M=4.5			
	eP	12	31	21
	44.6N;149.5E. Kurile Is. M=4.6			

Date	Phase	G.	C.	T.
16	eP	12	44	48
	es			58
	eP	12	49	53.5
	44.3N;149.4E. Kurile Is. M=4.9			
	eP	13	41	59
	44.4N;149.5E. Kurile Is. M=4.9			
17	eP	03	29	58
	0.7N;119.3E. Northern Celebes M=5.4			
	eP	09	09	5(4)
	e(S)		11	10
	eP	09	52	30
	eS		54	00
	35.0N;25.4E. Crete M=4.8			
	eP	12	23	5(3)
	eS		25	26
	eP	19	41	36
	e(S)		43	45
18	eS	03	01	57
	eP	06	29	03.5
	44.4N;149.7E. Kurile Kurile Is M=5.1			
	eP	09	14	07.5D
	eS		20	26
	2.9N;65.7E. Carlsberg Ridge M=6.3			
	eP	12	44	37D
	epP		46	40
	ePP		47	42
	eS		54	17
	7.0S;124.0E. Banda Sea M=5.8 h=574Km.			
	e	13	01	50
	eP	13	23	3(5)
	29.7N;50.8E. Southern Iran M=4.9			
	eP	17	31	51.5
	e(S)		32	09
	eP	21	29	31.5
	28.0N;54.7E. Southern Iran M=4.8			
	e(P)	22	48	56
19	eP	00	04	17D
	5.9S;105.0E. Sunda Straits			
	eP	00	39	45.5
	eS		40	03
	e(S)	14	00	4(7)
	eP	17	41	5(8)
	eS		44	2(5)
	29.8N;51.2E. Southern Iran			
19	e(S)	18	27	3(0)
20	eP	14	34	1(3)
	eS			1(8.5)
	iP	16	57	42.2C
	iS		58	31.4
	eP	19	45	41
	38.7N;26.7E. Aegean Sea			
21	iP	23	18	16.3C
	ePcP		19	44
	iS		25	30
	28.1N;93.8E. India-China border. M=5.9			
23	eP	02	08	18(C)
	ipP			26.4
	ePP		11	10
	eS		18	22
	19.8N;56.0W. North Atlantic Ocean M=6.4			
	iP	11	20	34.8
	45.2N;152.0E. Kurile Is. M=4.9			
	iP	20	26	58.5
	eS		27	26.5
	eP	21	18	4(6.2)
	eS		29	02
	44.0N;147.5E Kurile Is. M=5.9			
24	eP	00	52	39.5
	44.2N;149.3E. Kurile Is. M=4.4			
25	eP	10	50	0(4.5)
	eS		51	28
	iPKP	12	27	31.6D
	21.7S!179.2W. Fiji Is. reg. M=5.5 h=534Km.			
	eP	23	02	14.5
	38.7N;70.8E. Afganistan - USSr Border. M=5.0			
26	eP	01	32	1(1.5)
	32.9N;49.2E. Western Iran			
	eP	13	45	5(8.5)
	eS		47	00
	iP	14	35	57.0
	eS		46	26
	2.2N;126.8E. Mollucca Passage M=6.0			
	iP	14	38	55.5
	Local			
	iP	14	48	52.0
	Local			

Date	Phase	G.	C.	T.
27	eP	19	51	06
	eS		55	06
	47.8N;16.1E. Austria M=5.6			
	ePKP	20	20	23.5
	27.6S;176.8W. Kermadec Is. M=4.5 h=118Km.			
	eP	21	37	5(4)
	eS		49	08
	ePS		50	29
	45.6S;96.1E. S.E. Indian Rise.			
28	ePKP	06	08	28
	16.6S;177.2W. Fiji Is. M=4.8			
29	iP	14	51	58.0C
	Local			
	eP	20	51	34.5
30	ePKP	02	30	3(1)
	35.0S;107.3W. Easter Is. M=4.8			
JER	e(P)	03	47	27
31	eP	15	03	47
	27.7N;55.7E. S. Iran			

N.B. Epicenter data from U.S.C.G.S.

E. Arieh
Chief, Seismological Laboratory

October, 1964.

Date	Station	Phase	h. G.	m. M.	s. T.	Arc Dist	C/R	Remarks.
1	Kim	i	11	38	26			
		i		39	10			
	Pio	e		38	45			
		i		39	43			
2	Pio	e	13	56	(36)			
2	Kim	$iPKP_1$	22	43	17	150		USCGS H=22 23 32.4 59.7N,144.5W Gulf of Alaska h22Km Mag 5.2
3	Kim	$iPKP_1$	13	59	18	149		USCGS H=13 39 39.9 61.4N, 147.1W Southern Alaska h=48Km Mag5.2
6	Pio	e	08	09	31			
6	Grh	i	14	32	51			
6	Kim	iP	14	41	10	69		USCGS H=14 29 55.6 40.2N,28.1E Turkey h=10Km Mag 5.1
		i		42	24			
	Pio	iP			30	69	C	
6	Pio	i	14	57	31			
10	Kim	$iPKP_1$	19	58	30	150		USCGS H=19 38 47.7 60.4N,146.1W Southern Alaska h=44Km Mag 4½
11	Pio	e(i)	21	46	(07)			
11	Grh	e	23	11	(--)			
12	Pio	e	08	39	(43)			
12	Pio	e	10	02	(07)			
12	Pio	e	16	28	(47)			
12	Pio	e	22	46	(17)			
14	Kim	i	09	37	38		C	
14	Kim	i	14	45	26		R	
15	Pio	e	21	37	(27)			
15	Kim	$iPKP_2$	23	19	36	147	R	USCGS H=22 59 43.6 56.8N,151.9W Kodish Is. region h=33Km Mag 5.2
16	Kim	i	01	57	24		R	
16	Pio	i	07	27	(06)			
17	Kim	e	10	00	55			
18	Pio	e	09	28	(10)			
18	Pio	i	12	44	24			
	Kim	i			46			
	Grh	e		46	(37)			
21	Pio	iP_cP	23	21	47	± 78	C	USCGS H=23 09 18.8 28.1N,93.8E India-China Border region h37Km Mag 5.9
22	Kim	e	05	11	(03)			
		i		12	44			
23	Kim	iP	02	09	09	90	R	USCGS H=01 56 03.2 19.8N,56.0W N. Atlantic Ocean h31Km Mag 6½
	Pio	(e)i			(37)			
23	Grh	e	02	45	(--)			
24	Kim	e	23	08	(43)			
		i		09	31			
27	Pio	iP	21	33	47	53		USCGS H=21 24 31.2 45.6S,96.1E S.E. Indian Rise h=33Km
	Kim	iP		34	18	57	R	
29	Pio	e	02	58	57	(Traces)		

A.A.Attridge.
25/4/65

State of Israel
Ministry of Development
Geological Survey
Jerusalem
Division of Quaternary & Recent Geology
Seismological Laboratory

Address:
Seismological Laboratory
Geography Building
Hebrew University Campus
Jerusalem, Israel.

Jerusalem Provisional Readings
Bulletin No.112
November 1964

Date	Phase	G.	C.	T.
1	iP	12	39	04.4C
	epP			22
	3.1N;128.1E. North of Halmahera M=6.3 h=65Km.			
	eP	13	50	2(8)
	eS		52	42
2	iP	11	28	41.0
	Local			
	iP	15	08	22.7C
	Local			
3	eP	02	29	16
	29.7N;51.0E. Southern Iran			
	eP	06	11	11
	31.6N;66.4E. Afghanistan M=5.1			
	eP	12	28	07
	Local			
	eP	12	55	44
	0.1N;123.7E Northern Celebes M=5.4 h=149Km.			
	eP	15	08	09
	44.6N;149E. Kurile Is. M=5.0			
	eP	17	39	21.5
	36.0N;50.6E. Iran. M=5.3			
4	eP	03	49	56
	54.9N;162.6E. Near east coast of Kamchatka, M=5.0			
	e	13	50	19
	e		51	39
	eP	18	48	21
			49	41
	e(P)	21	15	32
5	eP	14	35	04
	Local			
	eP	14	42	50
	Local			
	iP	20	58	05.7C
	eS		59	50
	35.1N;24.2E Crete, M=4.2			
6	eP	10	05	44
	44.4N;149.0E. Kurile Is. M=5.7			
	iP	14	06	42.4D
	e(S)		15	38
	31.7S;57.4E Atlantic Indian Rise. M=5.9			
7	iP	01	01	02.4D
	2.0N;99.E. Northern Sumatra M=5.2			
	iP	15	01	39.0C
	eS		11	57
	45.5N;150.3E Kurile Is.M=5.6			
	iP	18	48	36.0C
	e(S)		57	38
	0.4N;100.1E. N. Sumatra M=5.1; h=107Km.			
8	ePKP	03	03	1(9)
	ePKS		06	59
	49.0S;163.7E. Auckland Is. reg, M=5.6			
	eP	10	36	39
	29.7N;51.0E. Southern Iran M=4.8			
9	eP	08	08	58
	39.8N;48.4E. N.W. Iran-U.S.S.R. border region M=5.1			
	eP	18	45	3(7)
	eS	19	05	18
	19.3N;121.0E. Philippine Is. M=5.0			
10	e(P)	14	35	35
	e(S)		36	55
	eP	15	50	41
	32.6N;49.0E. Western Iran M=5.3			
11	eP	13	29	50
	56.6N;161.4E. Near east coast of Kamchatka. M=5.4			
	eP	15	52	31
	56.6N;161.4E. Near east coast of Kamchatka. M=5.1			

Date	Phase	G.	C.	T.
11	eP	16	44	37
	56.5N;161.2E. Near east coast of Kamchatka. M=5.0			
	eP	17	09	37
	56.6N;161.4E. Near east coast of Kamchatka. M=5.2			
	eP	17	41	03
	56.6N;161.4E. Near east coast of Kamchatka. M=5.1			
	eP	18	31	04
	56.5N;161.3E. Near east coast of Kamchatka. M=5.3			
	iP	19	19	09.0C
	56.5N;161.3E. Near east coast of Kamchatka. M=5.6			
	eP	19	25	52
	56.6N;161.3E. Near east coast of Kamchatka. M=5.2			
12	ePKP	05	53	04
	18.2S;176.4W. Fiji Is. reg. M=5.2 h=107Km.			
	iPKP	09	45.	22.4
	ipPKP		46	18.4
	16.7S;174.6W. Tonga s. M=4.8 h=190			
	eP	20	09	42
	42.1N;142.5E. Hokkaido, Japan M=5.0			
13	e(P)	16	09	52.5
	e(S)		11	21.5
	ePKP	22	17	13
	29.2S;178.1W. Kermadec Is. M=5.4			
14	iP	04	07	58.5C
	33.6N;131.6E. Kyushu, Japan. M=5.3			
	iP	06	09	02.5C
	36.6N;140.3E. Near east coast of Honshu, Japan. M=4.5			
15	eP	01	07	53
	36.1N;139.6E. Honshu, Japan. M=4.9			
	eP	06	36	0(7)
	35.6N;45.7E. Iran - Iraq border region. M=4.7			
	iP	09	36	59.8
	29.9N;51.0E. Southern Iran			
	iP	16	04	03.5D
	24.0N;122.2E. Taiwan reg. M=5.4			
	eP	23	44	55.5
	eS		46	25
16	eP	05	29	3(1)
	39.8N;39.9E. Turkey M=5.1			
	iP	22	53	14.6C
	eS	23	03	40
	1.0N;118.8E. Borneo M=6.7			
17	ePKP	00	21	06.5
	16.3S;173.7W. Tonga Is. M=5.4			
	eP	01	30	(36)
	27.5N;55.0E Southern Iran			
	ePKP	08	34	16.5
	5.7S;150.7E. New Britain reg. M=6.7			
	iPKP	11	21	52.0
	epPKP		23	56
	23.4S;179.9W. S. of Fiji Is. M=5.5 h=549Km.			
	iP	22	52	08.5D
	eS		53	05
	36.7N;35.2E. Turkey. M=4.5			
18	ePKP	14	54	18
	6.0S;148.2E. New Britain reg. M=6.1			
	ePKP	22	40	50
	20.2S;174.1W. Fiji Is. reg. M=5.8			
19	ePKP	23	53	5(2)
	6.0S;150.8E. New Britain reg. M=6			
24	eP	12	53	22
	13.1N;124.7E. Luzon, P. Is. M=6.1			
26	eP	00	01	0(8)
	eS		02	4(1)
	34;7N;25.9E. Crete			
	eP	10	32	47
	eS		42	46
	24.9N;122.0E. Taiwan Reg. M=5.4			
	eP	17	13	0(0)
	eS		14	2(7)
27	eP	13	59	54D
	37.9N;138.3E. Near west coast of Honshu, Japan M=5.5			
29	iP	21	09	19.7
	31.0N;141.2E. South of Honshu, Japan. M=4.9			
30	eP	01	57	3(5)
	eS		58	18
	iP	10	12	19.3C
	Local. From NE.			

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Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
30	eP	12	37	48	30	iPKP	19	11	57.0
	eS		46	04		24.0S;179.9E. S. of Fiji			
	6.8N;94.8E. Nicobar Is. M=5.7					Is. M=5.5 h=550Km.			

N.B. Epicenter data from U.S.C.G.S.

E. Arieh

Chief, Seismological Laboratory.

State of Israel
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Seismological Laboratory

Address:
Seismological Laboratory
Geography B uilding
Hebrew University Campus
Jerusalem, Israel.

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Date	Phase	G.	C.	T.
1	iPKP	05	12	48
	18.9S;175.8W. Tonga Is, M=5.5 h=232Km.			
2	iP	13	31	41.5
	53.8N;165.4W. Fox Is. Alentia Alentian Is. M=5.0			
	e	15	32	46
3	iP	03	59	33D
	15.0S;66.8E. Mid Indian Rise M=6.1			
	iP	09	01	12
	IS			37
4	eP	23	16	5(3)
	eS		18	03
6	eP	00	08	22
	54.0N;161.5E. Near east coast of Kamchatka. M=5.0			
7	ePKP	09	17	20
	5.4S;151.3E. New Britain reg. M=5.8			
	iP	14	22	17.6
	Local			
8	iP	06	40	53.0C
	Local			
	e(S)	14	06	03
	eP	18	02	15
	34.7N;139.2E. Near coast of Honshu, Japan. M=5.2			
9	ePKP	13	53	53
	27.5S;63.2W. Argentina. M=5.9 h=586Km,			
	eP	18	22	56
	eS		23	51
10	e	02	22	32.5
	eP	02	44	5(3)
	e(S)		45	4(9)
10	iP	15	23	11.1D
	ePP		26	23
	e		29	36
	eS		33	11
	40.4N;138.9E. Eastern Sea Of Japan. M=6.0			
11	iP	16	15	41.6D
	38.9N;130.0E. Sea of Japan M=5.6; h=550Km.			
12	eP	13	14	23
	eS		16	17
	35.3N;23.0E. Crete. M=5.4			
	ePKP	20	04	45
	26.1S;175.9W. S. of Tonga Is. M=4.5			
13	ePKP	00	33	22.5
	34.0S;179W. S. of Kermadec Is. M=5.3, h=112Km.			
	eP	00	45	47
	65.2N;164.9W. Alaska M=4.9			
	eP	13	27	44
	eS		37	3(7)
	20.1N;122.0E. P.Is. M=4.8			
14	eP	02	12	12
	es		23	22
	ess		29	13
	54.3S;2.4W. S. Atlantic Ridge.			
15	eP	02	53	33.0
	eS		55	05
	34.9N;26.2E. Crete. M=4.4			
	eP	05	19	22
	2.3N;126.6E. Molucca Passage			
	iP	17	32	57.6C
	is		33	52.1
	36.5N;34.6E. Turkey M=4.5			
	eP	21	05	33
	es		07	1(5)
	40.0N;28.9E. Turkey M=4.9			

Date	Phase	G.	C.	T.
16	eS	18	05	57
	e	19	40	18.5
17	iP	05	31	02.7C
	45.4N;150.1E. Kurile Is. M=5.3			
	iP	18	59.	51.0D
	31.6N;138.0E S.of Honshu Japan, M=4.9, h=376Km.			
	eP	23	57	51.5
	51.4N;177.9W. Andrean of Is. Alentian Is, M=5.5			
19	eP	02	00	40
	eS		01	49
	35.3N;28.2E. Eastern Mediterranean Sea			
	eP	23	36	19
	28.0N;56.9E. S.Iran M=5.3			
20	iP	03	39	06.0
	29.5N;81.0E. Nepal. M=5.2			
	iPKP	11	45	27.1D
	20.1S;177.7W. Fiji Is reg. M=4.8; h=463Km.			
	eP	13	44	16
	37.5N;141.6E. Near east coast of Honshu, Japan M=4.9			
21	eP	00	52	4(7)
	e	01	52	0.7
	iP	05	33	57.6C
	Local			
	eP	17	49	15.7D
	60.5N;146.8W. Southern Alaska M=5.0			
	eP	18	44	28
	63.1N;150.3W. Central Alaska. M=4.8 h=111Km.			
	eP	19	20	36
	eS		22	05
22	e(PP)	00	42	12
	9.5S;71.3W. Peru Brazil Border. M=5.3 h=614Km.			
	iPKP	01	05	07.1
	21.3S;179.3W. Fiji Is. reg. M=4.6 h=66Km.			
	eP	02	25	32
	eS		26	56.5
	ePKP	02	49	37
	20.7S;178.2W. Fiji Is. reg. M=4.7			
	iP	04	40	56.5c
	es		44	33
	28.2N;57.0E. Southern Iran M=5.5			
	iP	08	14	10.7C
	18.4N;68.8W. Mona Passage M=5.6 h=111Km.			
	e	111	59	20
	e	12	02	25
	iPKP	12	16	50.0D
	22.2S;179.7W. S. of Fiji Is M=5.0 h=600Km.			
22	iP	13	55	59.4C
	Local from N.W.			
	iP	18	40	27.5
	7.2N;126.8E. Mindano P. Is. M=4.9 h=384Km.			
	eP	23	28	16.5
	eS		29	44
23	i	13	43	14.2
	iP	14	09	43.8C
	LOcal from N.W.			
24	eP	02	10	3(3)
	28.1N;57.4E. Southern Iran M=4.8			
	ePKP	19	04	21.0
	ePP		05	28
	4.4S;153.1E New Ireland region. M=6.1			
	eP	19	36	14.8
	3.9N;96.9E. Northern Sumatra. M=5.4 h=141Km.			
25	eP	17	13	5(8)
	34.8N;139.3E. Near S. coast of Honshu, Japan M=5.1			
26	iPKP	05	16	02.4
	19.7S;178.3W. FijiIs reg. M=4.7. h=510Km.			
	iP	14	42	36.7D
	epP		43	12.5
	esP			27
	ePP		45	34
	es		52	39
	ePPS		53	47
	51.8N;156.8E. Kamchatka M=5.7. h=136Km.			
27	e	10	35	30
	iP	17	55	48.5
	eS	18	06	11
	12.9N;125.4E Smoa P.Is. M=5.9			
28	iPKP	16	34	46.9C
	ipPKP		37	06.0
	22.1S;179.6W. South of Fiji Is. M=6¼-6½. h=611Km.			

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
28	eP	17	14	31.5					
	86.7N;68.7E. North of Franz Josef land M=5.7								
	eS	18	28	4(7)					
29	iPKP	23	18	07.5D					
	17.2S;178.7W. Fiji Is. reg. M=4.9 h=493Km.								
30	eP	01	15	35					
	eS		16	33					
	e(S)	11	32	44.5.					
	eP	12	29	1(2)					
	eS			1(7)					
	ePKP	13	35	4.2					
	16.7S;175.0W. Tonga Is. M=4.8								
	e(s)	14	09	(25)					
	iP	15	39	31.7D					
	epP		40	37					
	ePP		42	53					
	eS		49	31					
	31.3N;138.8E. S. of Honshu, Japan. M=5.4 h=261Km.								
I	iPKP	21	49	44.7D					
	23.3S;179.9W. S. of Fiji Is. h=547Km.								
31	e(s)	02	55	4(9)					
	e(S)	10	57	5(0)					
	es	13	19	33					
	iP	16	20	07.2C					
	is		21	41					
	35.8N;25.6E. Crete. M=5.1								

N.B. Epicenter Data from U.S.C.G.S.

e. Arieh

Chief, Seismological Laboratory.