

January 66

Recd March 67

MINISTRY OF DEVELOPMENT
Geological Survey - Jerusalem
Division of Quaternary and Recent Geology
Seismological Laboratory

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

Seismological Bulletin

Coordinates: Lat 31° 45' 19"N; 35° 11' 50"E
Elevation : 770 Meters

Lithologic Foundation: Upper Cretaceous Dolomite

Instruments: World-Wide Standardised Seismograph System

Constants:

Instruments	Comp.	Free Period (sec.)		Magnification
		Pendulum	Galvanometer	
Benioff variable reluctance	Z,N,E	1.0	0.75	25000 at 1.0 sec.
Sprengnether	Z,N,E	15	100	3000 1500 at 15.0 sec.

Abbreviations:

- T - Wave period in seconds
- Mu - Ground displacement in Microns ^{milli}

Epicenter data - Generally from USCGS

Jerusalem
January 1966

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
2	iP T=0.6, Mu=58 31.3N;138.2 South of Honshu, Japan. Magn.=5.2 h=394	04	16	33.6D	13	eP ePF eS 52.9N;172.0E Near Is. Aleutian Is. Magn=5.6 h=14	10 11	54 57 04	01 2(8) 4(0)
	e 12 03 30				14	iP eS 34.7N;27.0E. Crete Magn=4.8, h=33	18	41 42	17.0 37
	eP T=0.8, Mu=42 eS 37.5N;23.4E. Southern Greece. Magn=4.9 h=22	23	15	03	15	eP eS e(P) 11 16 3(0)	03	10 12	3(1) 03
3	iPKP 20.3S;178.5W. Fiji Is. reg. Magn=5.3, h=537	13	52	18.0D		eP eS 59.5N;144.6W. Gulf of Alaska Magn=5.1 h=33.	12	12 23	53 13
4	eP eS (N.W. of Cyprus)	01	44	02 59		eP eS 36.7N;23.1E. Southern Greece. Magn.=4.7 h=35.	18	10 12	25 2(3)
5	eP eS 13.2N;95.5E. Andaman Is. reg. Magn=5.3, h=37	17	31	20 21	16	eP eS 9.2N;93.8E Nicobar Is. reg. Magn=5.2, h=33	07	17	53
7	eS eS	21	08	45 33		eP eS 52.9N;171.9E. Near Is. Aleutian Is. Magn=5.7, h=25	09	24	38
9	eP 5.4S;113.6E Java Sea Magn=5.6, h=39	03	16	26		eP eS 33.2N;26.2E. Eastern Mediterra Sea. Magn=5.0, h=33.	18	53 55	51 13
10	iP T=1.0, Mu=152 13.9N;120.8E. Mindoro, Philippine Is. Magn=5.5, h=134.	01	31	04.9C		iP T=0.5, Mu=13 eS 19 03			30.6D
11	eS eS eS eS eS eP eS S.E. of Crete.	00 00 00 01 01	18 21 25 49 50	41 04 08 38 08	17	iPKP epPKP 20.8N;175.8W. Fiji Is. reg. Magn=5.7, h=543	18	08 10	44.9D 59
	eP eS 38.2N;22.1E Greece. Magn.=44, h=73	02 58	56 24	55 24		eP eS eP T=0.7, Mu=13 eS Near Crete	20	07 10 07	57 06 16
	iP T=1.2, Mu=100 0.7N;120.2E. Northern Celebes. Magn=6.0 h=33	03	23	30.0D	18	eP eS eP 29.3N;130.4E. Ryukyu Is. Magn=5.3 h=33.	01	13 14	45 19
	eS eP 33.7N;137.2E. Near S. Coast of Honshu, Japan Magn=5.3, h=33	05 14	29 28 39	51 50 04		iP T=0.7, Mu=63 18.6S;177.8W Fiji Is. reg. Magn=5.3, h=364	03	05	44.5
13	eP eS 38.6N;29.2E. Turkey. Magn=4.3, h=42	01	46	17 51		e 18 14 53			
	eP 19.1N;64.7W. Virgin Is. Magn=5.0, h=41.	10	43	42					

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Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.	
18	eP	20	24	06	22	eP	10	59	23	
	46.ON;26.9E. Rumania Magn=4.4, h=63					eS	11	00	46	
	e(P)	21	02	54		ePKP	11	19	40	
	e(S)		04	16		epPKP		22	03	
	eP	21	22	25		17.9S;178.5W. Fiji Is. reg. Magn=5.3, h=598				
	eS		24	13		eP	14	40	16	
	35.ON;23.7E Grete . Magn=4.9, h=32					ePP		43	55	
19	iP	01	56	04.2		eS		50	50	
	3.4N;97.3E. Northern Sumatra, Magn=4.8 h=33					56.ON;153.7W. South of Alaska. Magn=5.8, h=33				
	ePKP	14	04	43		eP	17	10	43	
	20.7S;178.5W. Fiji Is. reg. Magn=4.7 h=593.					eS		12	05	
20	eP	00	41	4(9)		ePKP	19	56	26	
	39.2N;24.4E. Aegean Sea Magn=4.3, h=25					21.OS;174.2W. Tonga Is. Magn=5.0, h=33				
	iP	01	56	59.0	24	eP	02	21	12	
	37.9N;138.0E. Near West coast of Honshu, Japan. Magn=5.5, h=33					32.7N;67.6E. Afghanistan Magn=5.2, h=33				
	e(P)	07	58	38		eP	07	29	16	
	e(S)	08	02	53		eS		34	28	
	e(P)	08	54	04		29.9N;69.7E West Pakistan Magn=5.8, h=12				
	e(S)		58	20	25	eP	06	09	03	
	eP	10	38	2(2)		eS			53	
	iP	13	11	04.2		iP	11	25	26.5	
	eS			21		eS		26	05	
	iP	14	01	03.5		North of Cairo, UAR				
	eS			20		eP	18	18	19	
	ePKP	15	21	43		1.6N;117.8E. Borneo h=42				
	15.3S;173.0W. Samoa Is. reg. Magn=5.3 h=33					eP	19	42	(20)	
						eS		44	1(6)	
21	eP	03	52	(14)	27	eP	01	05	36	
	eS		53	34		eS		06	3(6)	
	eP	12	44	28		eP	10	51	37	
	12.ON;43.8E. Western Arabian Peninsula. Magn=4.7, h=33					eS		52	5(0)	
	e(P)	23	08	1(7)		ePKP	04	55	16	
	e(S)		14	4(2)		epPKP		57	35	
						ePP		58	06	
						17.5S;176.9E. Fiji Is. reg. Magn=5.6 h=558				
22	iP	00	25	30.0D	28	ePKP	06	01	42	
	T=1.0, Mu=728					17.1S;168.4E. New Hebrides Is. Magn=5.7, h=24				
	eS		26	52		iPKP	09	46	13.2	
	37.7N;30.0E Turkey Magn=5.0, h=23					17.9S;178.5W. Fiji Is. reg. Magn=5.4 h=579.				
	iP	01	19	45.6C						
	T=0.7, Mu=31					28	iP	22	50	25.0
	eS		20	08.5		T=2.0 Mu=500				
	(Turkey)					eS	23	00	31	
	eP	03	15	23		51.6N;157.0E. Near East coast of Kamchatka. Magn=5.6, h=107				
	eS		16	45		eP	23	47	(22)	
	iP	03	39	53	31	iP	02	44	39.5	
	eS		40	14		27.9N;99.6E. Yunnan Prov. China. Magn=5.6 h=33				
	(Turkey)									
	ePKP	04	14	47						
	28.9S;176.8W. Kermadec Is. Magn=5.1, h=33									

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Date	Phase	G.	C.	T.
31	eP	09	53	4(0)
	eS		55	12
	eS	12	37	(00)
32.5N; 48.9E. Western Iran. Magn=4.3, h=34				

E. Arieh,

Chief Seismological Laboratory.



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Constants:

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		Pendulum	Galvanometer	
Benioff variable reluctance	Z,N,E	1.0	0.75	25000 at 1.0 sec.
Sprengnether	Z,N,E	15	100	1500 at 15.0 sec.

Abbreviations:

- T - Wave period in seconds
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Date	Phase	G	C	T	Date	Phase	G	C	T
1	eP eS 35.1N;46.0E. reg. M=4.4	07	10 11	14 57	5	eP eS 26.1N;103.1E. China. M=6.1	15 30	22 30	31 38
	Iran Iraq Border h=4					Yunnan Prov. h=15			
2	ePKP 17.8S;173.2W. M=5.2 h=33	05	53	55D		iP ePP eS 50.2N;155.1E h=98	16 31 38	28 31 38	17.00 31 28
	Tonga Is. Fiji Is. reg. h=231					Kurile Is. M=5.8, h=98			
	iPKP 21.6S;176.7W. h=231	17	29	59.7		iP eS	23	08 09	00.5 24
3	eP T=1.6, $M_u=283$ 0.1N;123.5E M=5.9 h=13	06	00	46	6	iP 60.4N;152.3W. M=5.3, h=91	23	40	49.30
	Northern Celebes					Southern Alaska.			
	iP T=1.0, $M_u=68$ 16.6N;120.0E. Is., M=5.8 h=69	12	10	24.5	7	iP eS 29.8N;69.7E M=6.0 h=33	04	32 37	19.0 25
	Luzon, Philippine					West Pakistan.			
	eP eS	20	48 49	10 51		eP 30.ON; 69.9E M=5.4, h=10	05	27	56
	West Pakistan								
4	ePKP 21.4S;174.1W. M=4.6, h=26	05	24	2(0)		eP 30.ON;69.6E M=5.3, h=48	05	36	2(4)
	Tonga Is.					West Pakistan			
	iP eS 34.3N;34.0E M=4.8, h=21	08	40 42	21.5 04		eP eS 34 1/2 N; 32 1/2 E Cyprus	12	44 45	59 42
	Crete.								
	ePKP eSKP 15.9S;167.9E M=6.0, h=190	10 11	58 01	11 23		eP eS (34 1/2 N; 32 1/2 E. Cyprus)	18	51	1(0) 55
	New Hebrides								
	e 11	59	29			eP eS 30.2N;69.8E. M=5.8, h=10	23	12 17	44 44
	West Pakistan								
	ePKP 21.3S;174.3W. M=5.0, h=27	15	56	27	8	eS	03	19	32
	Tonga Is.								
5	eP eS 39.2N;22.0E h=38	02	04 07	51 14		cPKP 21.2S;178.5W. M=5.1, h=525	10	20	57
	Greece M=5.8					Fiji Is. reg.			
	eP eS 39.4N;22.2E h=33	02	14 16	2(2) 36		iP eS 36.3N;28.2E. M=5.4, h=80	13	18 19	06.7 25
	Greece M=4.8					Near Rhodes Is.,			
	eP eS 39.2N;22.2E. M=5.2 h=45	03	01 03	05 27		eP eS 41.4N;25.1E. Greece Bulgaria Border reg.	20	11 13	0(0) 15
	Greece								
	iP eS	11	33 34	56.0 39	9	iP eS ep eS	04	53 54 54 05	42.5 25 2(8) 00

Date	Phase	G	C	T	Date	Phase	G	C	T
9	56.7S;25.7W. South Sandwich Is. reg. M=5.9, h=27				16	iPKP	03	37	41.0
				eSKP			41	14	
	eP 07 31 36C 9.9S;116.3E Southeast of Java, M=5.8, h=32				17	iP	11	59	46.5
ePKP 14 17 32 35.3S;106.0W Easter Is. Cordillera. M=5.4, h=33				T=1.5, $M_u=413$		eS	12	09	32
10	eS 01 27 10				17	32.2S;78.9E. Mid. Indian Rise. M=6.4, h=33			
	iP 14 34 34.5					18	eP 12 54 47 32.2S;79.0E. Amsterdam-Naturaliste Ridge M=5.7, h=33		
	ePP 38 18				iPKP 18 39 18.1 23.5S;179.9W South of Fiji Is. M=5.6, h=548.				
	eS 45 27				eP 00 40 11 36.7N;140.4E. Near East coast of Honshu, Japan M=5.1 h=65				
	20.8N;146.3E. Mariana Is. reg. M=6.2, h=43				eP 07 11 39 eS 22 08 6.9N;124.0E. Mindano, Philippine Is., M=5.5 h=57.				
ePKP 15 18 02 19.4S;173.1W Tonga Is. M=5.1 h=10				eP 19 14 38 44.3N;143.1E Hokkaido, Japan M=5.2, h=225.					
iP 20 25 41.0C 47.2N;150.8E, Kurile Is. M=5.3, h=162.				19	eP 12 56 47 35.3N;70.9E. Hindu Kush Region. M=5.1, h=59				
11	eP 23 58 (22)					20	eP 06 10 31 53.1N;159.8E. Near east coast of Kamchatka. M=4.9, h=44.		
	eS 59 (49)				ePKP 06 30 33 17.9S;178.5W. Fiji Is. reg. h=583				
	12	ePKP 11 58 52 T=1.2, $M_u=150$ 18.3S;174.8W. Tonga Is. M=5.6, h=190				21	e(PF) 00 47 00 55.7S;26.7W. South Sandwich Is. M=5.5, h=9		
13		iP 05 05 08.3C T=0.7, $M_u=190$					22	eS 06 26 44	
	ePP 06 33 49.8N;78.1E. Eastern Kazakh SSR. M=6.3, h=0				iP 09 13 19.2C eS 24				
	eP 10 54 42D eS 11 02 47 26.1N;103.2E. Yunnan Prov. China. M=5.7, h=33				14	iP 13 30 31.3 26.3N;125.7E. Northeast of Taiwan, M=5.6, h=103			
iP 11 15 1(1) eS 16 06				15		eP 05 17 30 ePKP 21 17.6 ePP 22 24 ePPP 25 04 eSKS 28 05 ePS 31 42			
eP 19 15 5(6) 29.8N;69.7E. West Pakistan M=5.1, h=33					14	eP 23 28 41 eS 30 17			
14	iP 17 59 35.4D eS 18 00 56 35.0N;27.2E. Eastern Mediterranean Sea M=5.0, h=46					15	ePKP 10 16 2(2) 22.7S;176.2W. South of Fiji Is. M=5.0, h=33		
	eP 23 28 41 eS 30 17								

JERUSALEM February 1966

Date	Phase	G	C	T	Date	Phase	G	C	T
	5.4S;151.5E								
	M=6.2, h=28								
24	iP	20	06	07.2					
	60.1N;147.7W, Southern Alaska,								
	M=5.0, h=25								
25	ePKP	23	10	34					
	e(PP)		14	10					
	15.1S;173.2W. Tonga Is.								
	M=5.5 h=33								
26	eP	00	46	39					
	52.4N;173.6E. Near Is.,								
	Aleutian Is., M=5.3, h=51.								
	iPKP	11	41	37.0					
	15.4S;173.4W. Tonga Is.								
	M=4.9, h=127								
	eP	20	53	47					
	eS		56	2(2)					
	30.5N;50.8E. Iran M=4.7,								
	h=60								
	eS	22	30	23					
28	iP	02	13	49.8D					
	T=1.0, M ₀ =80								
	epP		14	45					
	ePP		16	47					
	eS		23	25					
	43.7N;139.6E. Eastern Sea of								
	Japan. M=5.5. h=225								
	iPKP	02	17	06.7					
	21.9S;176.4W. Fiji Is. reg.								
	M=4.9;h=171								
28	iP	13	47	43.3D					
	29.2N;130.1E. Ryukyu Is.								
	M=5.5. h=33								
28	eP	19	20	33					
	eS		21	30					
	35 ¹ / ₂ N;31 ¹ / ₂ E. N.W. of Cyprus.								

E. Areih

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		Pendulum	Galvanometer	
Benioff variable reluctance	Z,N,E	1.0	0.75	25000 March 1-14 50.000 March 15-31 at 1.0 sec.
Sprengnether	Z,N,E	15	100	1500 March 1-14 3000 March 15-31 at 15.0 sec.

Abbreviations:

T- - Wave period in seconds
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Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
2	eS	02	12	46	7	eP	17	15	26
	eP	02	40	22		42.9N;46.0E. Eastern Caucasus. Magn.=4.6			
	T=1.0, Mu=32					h=33			
	43.0N;45.8E. Eastern Caucasus. Magn=					eP	20	49	5(9)
	5.3, h=24					14.2S;14.5W South Atlantic Ridge.			
	eP	11	44	(01)		iP	21	39	51.5D
	eS			25		ePP		42	17
	North of Israel					eS		48	33
3	iP	03	37	53.0C		37.2N;114.8E Northeastern China. Magn=			
	T=1.2, Mu=330					5.8 h=33			
	eS		48	13		eP	22	45	30
	48.3N;154.3E. Kurile Is. Magn.=5.9					29.2N;98.6E. Tibet Magn=5.2, h=17			
	h=45				8	iPKP	00	39	04.0
	iP	20	12	17.5		18.9S;173.3W. Tonga Is. Magn=5.3 h=33			
	eS			47		ePKP	01	32	54
	ePKP	21	48	15		ePP		35	09
	20.5S;178.7W. Fiji Is. reg. Magn=4.8					ePKS		36	25
	h=605					13.9S;166.6E New Hebride Is. Magn.=5.8			
	eP	23	38	4(4)		h=37			
4	ePKP	02	00	30		iP	05	54	04.6C
	17.9S;178.2W Fiji Is. reg. Magn=3.7					T=1.0, Mu=128			
	h=532					eS	06	04	33
5	ePKP	00	18	39		1.9N;126.4E. Molluca Passage. Magn=5.9			
	38.8S;177.9E New-Zealand					h=33			
	eS	13	05	30		eP	06	13	05
	eP	16	45	(42)		1.7N;126.4E. Molluca Passage Magn=5.5			
	e(S)		46	21		h=33			
	i	18	39	51.7		iP	12	32	15.0
	eP	21	04	42		1.9N;126.4E Molluca Passage. Magn=5.5			
	eS		13	0(8)		h=78			
	0.0N;18.0W. North of Aension Is.					eP	18	54	5(6)
	Magn=5.2 h=33					eS		57	17
	iPKP	23	09	27.0		38.9N;21.3E Greece Magn=5.1 h=48			
	T=1.0, Mu=64					iPKP	23	35	38.9
	21.5S;175.3W. Tonga Is. Magn.=5.1 h=40					21.5S;175.2W Tonga Is. Magn=4.7, h=33			
6	eP	02	16	16	9	iP	01	14	35.5
	eS			59		eS		14	59
	Near Cyprus					(Northern Israel)			
	iP	02	18	17.6		iP	23	25	45.3
	T=1.1, Mu=31					eS		35	38
	ePP		19	54		7.4S;108.4E Java Magn=5.6, h=148			
	31.6N;80.5E. Tibet Magn.=5.4 h=35				10	iP	04	38	04.4D
	iP	02	23	16.1D		eS		47	47
	T=2.0, Mu=683					32.2N;137.5E South of Honshu, Japan			
	eS		28	58		Magn=5.6, h=382			
	31.6N;80.5E. Tibet Magn=6.1 h=44					eP	11	21	3(9)
	ePKP	18	21	42		eS		23	56
	24.1S;176.9W. South of Fiji Is.					Turkey			
	Magn.=5.4, h=33					ePKP	12	34	31
7	eP	01	18	20.5		19.3S;177.0W. Fiji Is. reg. Magn=5.5			
	T=0.8, Mu=24					h=320			
	39.1N;41.7E Turkey Magn.=5.5 h=13					iP	21	05	09.4.
	iPKP	02	54	07.5		eS		06	33
	20.5S;178.4W. Fiji Is. reg. Magn.=4.9,					(Southwestern Turkey)			
	h=601				11	eP	20	04	01

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11	eP eS	20	04 05	01 40	16	eP T=1, Mu=22	17	09	50
	34.4N;24.4E Crete Magn.=5.1, h=22					12.5N;120.6E Mindoro Philippine Is. Magn. 4.3 h=33			
12	ePKP	01	25	17	17	eP	04	10	21
	30.8S;178.5W Kermadec Is. reg. Magn=5.4 h=94					eS 20 54			
	iP	15	55	21		2.0N;126.4E Molucca Passage. Magn.=5.4 h=79			
	22.6S;176.6W South of Fiji Is. Magn=5.0, h=64					eP	14	19	50
	iP	16	43	03.4C		eS 20 3(8)			
	24.1N;122.6E Formosa Magn=6.7, h=63					ePKP	16	09	05
	eP	16	59	35		epPKP 11 38			
	24.0N;122.7E Formosa h=33					ePP 12 30			
	iP	18	11	17.8C		e 19 32			
	T=1.0, Mu=40					21.1S;179.2W Fiji Is. reg. Magn=6.2 h=626.			
	24.4N;122.8E Formosa Magn=5.7, h=83					eS 22 54 (07)			
13	eP eS	03	48 49	(12) (12)	20	eP	01	49	10
	From March 13 Untill " 17 Interruptions in recording					0.6N;30.2E Uganda Magn=6.1 h=36			
						eP	05	57	06
						50N;78E, Kazakhstan h=0			
						ePKP	09	24	19
14	eP	14	11	4(8)		21.0S;174.5W. Tonga Is. Magn=5.2 h=95			
	39.2N;21.4E Greece Magn=4.4, h=48					iP	20	27	41.6
	iP	21	26	30.5C		eS 28 35			
	Near Cyprus				22	eP	08	22	12
						37.5N;115.0E. Northeastern China. Magn=6.0, h=11			
15	eP eS	02	39 40	31 46		eP 08 30 07			
	Near Rhodes Is.					37.5N;115.1E Northeastern China, Magn=6.0, h=33			
	ePKP	16	29	06D	23	iP	00	16	18.7C
	22.1S;179.4W. South of Fiji Is. Magn=4.4 h=588					eS 26 00			
	eP	17	31	26		23.8N;122.8E. Taiwan Reg. Magn=6.3, h=51			
	(Near Rhodes Is)					eP 03 52 2(1)			
						eS 53 18			
	eP	23	43	31		eP 22 14 2(8)			
	T=1.3, Mu=92					eS 15 05			
	24.4N;122.7E. Taiwan Reg. Magn=5.6 h=22				24	iPKP	04	24	25.6
16	iP	00	03	04.6D		21.5S;176.4W. Fiji Is. reg. Magn=5.2 h=191			
	T=0.6, Mu=20					ePKP 07 44 37			
	18.0S;178.2W. Fiji Is. Reg. Magn=4.5 h=606					33.0S;109.0W Easter Is Cordillera. Magn=5.0, h=33			
	iP	03	31	11.5		e 08 46 46			
						ePKP 47 04			
	eS		32	03		ePKS 50 28			
	Northern Israel					13.7S;166.8E New Hebrides Is. Magn=5.2 h=43			
	eP	20	50	47D		eP 20 15 01			
	T=1.3, Mu=80					9.2S;113.5E. South of Java. Magn=5.0 h=75			
	eS	21	01	06					
	9.5N;121.9E Sulù Sea Magn=5.4, h=24								

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Jerusalem
March 1966

Date	Phase	G.	C	T	Date	Phase	G.	C	T.
24	ePKP 19.7S;176.1W h=262	22	27	33	31	ePKP 33.1S;178.5W Magn=5.0 h=33.	14	53	18
25	e iP T=0.8, Mu=124 eS 38.9N;29.1E Magn.=4.4 h=33	23	10	36	iP epP esP ePcP eS i 36.4N;70.8E. Hindu Kush Reg. Magn=5.6, h=200	23	43	51.0D	35 36 49 36 09.7
26	eP T=1.0, Mu=34 18.5S;26.2E Southern Rhodesia. Magn=5.2, h=16 eP T=1.0, Mu=26 19.8N;120.7E Philippine Is. reg. Magn=5.2, h=12 eP T=1.4, Mu=100 eS 37.6N;115.2E Northeastern China. Magn=5.5, h=33 iP T=1.4, Mu=65 37.7N;114.9E, Northeastern China. Magn=4.9, h=33	09	51	19	E. Ariei Chief, Seismological Laboratory.	14	20	5.7	
27	iP eS 38.0S;23.9E Greece	01	51	48.7D					
28	e(S)	23	50	32					
29	eP eS 36.6N;26.5E Dodecanese Is. h=33 eP eS 23.7N;142.1E. Volcano Is. reg. Magn=5.9 h=79 eP eS 37.4N;114.9E Northeastern China. Magn=5.5, h=34 ePKP 20.0S;175.3W. Tonga Is. Magn=5.1 h=95 iP T=0.8, Mu=20 iS 39N;30E Western Turkey	00	10	48					
30	iP eS 21.8N;62.2E Arabian Sea Magn=5.6, h=33 eP eS (Dodecanese Is.) iPKP 32.5S;179.0W. South of Kermadec Is. Magn=4.8, h=16	02	30	37					

May 66

Reed
March 67

MINISTRY OF DEVELOPMENT
Geological Survey - Jerusalem
Division of Quaternary and Recent Geology
Seismological Laboratory

Address:

Seismological Laboratory
Geography Building, Hebrew University Campus
Jerusalem, Israel

Seismological Bulletin

Coordinated: Lat $31^{\circ} 45' 19''$ N; $35^{\circ} 11' 50''$ E

Elevation : 770 Metres

Lithologic Foundation: Upper Cretaceous Dolomite

Instruments: World-Wide Standardised Seismograph System

Constants:

Instruments	Comp.	Free Pendulum	Period (sec.) Galvanometer	Magnification
Benioff variable reluctance	Z,N,E	1.0	0.75	50000 at 1.0 sec.
Sprengnether	Z,N,E	15	100	3000 at 15.0 sec.

Abbreviations:

Jerusalem
 May 1966

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
1	e(P)	16	37	52	5	21.7S;179.3W Fiji Is Reg. Magn=4.7, h=604			
	ePP		41	50		eP	16	01	31
	epPP		42	27		61.5N;27.5W. Ice land Reg. Magn=5.0, h=33			
	eSKKS		47	42					
	eSP		51	09					
	8.5S;74.3W. Peru Brazil Border reg. Magn=5.7 h=165				6		00	17	44.5
	iP	18	43	11.1C		iP	02	45	29.0D
	30.6N;140.6E South of Honshu, Japan. Magn.=5.0 h=114					T=1.0, Mu=56			
2	eS	10	19	01		15.7S;34.4E Malawi Magn=5.5, h=33			
	iPKP	11	12	11.7		eP	04	04	38
	18.0S;178.3W. Fiji Is. reg. Magn=4.9, h=537					23.8N;123.0E Taiwan Reg. Magn=4.8, h=33			
	eP	13	53	5(4)		eP	07	13	22
	eS		55	35		2.9S;122.2E Celebes Magn=5.2, h=33			
	38.7N;42.6E. Turkey h=33.					iPKP	07	33	04.5D
	eP	16	52	11		25.0S;179.6E. South of Fiji Is. Magn=5.3 h=488			
	8.6S;114.9E. Bali Is. reg. Magn=5.8 h=103					e(S)	08	39	30
	eP	19	37	(20)		iP	12	22	32.2C
	eS			46		Local from NW.			
2	eP	20	42	5(3)		eS	17	43	03
	37.8N;42.4E Turkey Magn=4.5, h=15					iP	19	49	13.4
	eP	23	14	29		eS		51	23
	38.0N;42.6E. Turkey Magn=4.8, h=41					(Greece)			
3	eP	00	04	1(6)		iPKP	20	13	31.5
	eS			51		19.4S;173.7W. Tonga Is. Magn=4.9, h=112			
	eP	14	48	2(7)	7	ePKP	05	28	48
	eS		50	15		22.1S;179.5E, South of Fiji Is. Magn=4.2 h=600			
	Turkey					ePKP	11	28	06
	eP	20	36	38		22.3S;177.0W. South of Fiji Is. Magn=4.4 h=303			
	38.3N, 42.6E Turkey h=33					eP	12	35	39
	eP	20	45	3(0)		eS		37	13
	Turkey					eP	13	10	21
4	e	11	05	32		eS		11	52
	eS	11	28	31		37.8N;27.9E Turkey Magn=5.2, h=12			
	iP	14	30	43.3C		eP	22	11	41
	iP	21	51	03.0C		42.1N;35.8E. Black Sea Magn=4.6, h=13			
	eS		52	35	8	eP	08	42	26
	37.7N;27.9E Turkey Magn=4.7, h=14					T=0.7, Mu=2			
	iP	21	51	03.0C		44.9N;150.5E. Kurile Is. reg. Magn=4.6 h=33			
	eS		52	35		iP	20	15	41.0
	37.7N;27.9E. Turkey Magn=4.7, h=14					eS			46
5	eP	13	51	57	9	0P	00	44	45
	iS		53	30.S		eS		46	(06)
	(Near Creta)					34.5N;26.5E Grete Magn=5.5, h=33			
	eP	14	32	02C		eP	00	59	40
	ePP		36	06		eS	01	01	04
	eS		42	45		eP	01	16	50
	eSS		48	18		eS		18	13
	24.4N;122.6E Taiwan Reg. Magn=5.7 h=60					0P	01	25	49
	ePKP	15	42	15		eS		27	11

Jerusalem
May 1966

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
9	eS	01	28	48	11	49.0N;156.2E. Kurile Is Magn=5.5 h=33			
	eP	01	54	39		iP	15	07	52.6
	eS		55	17		eS		09	15
	eP	02	09	43		34.4N;26.5E. Crete Magn=4.9, h=34			
	oS;125.2E. Molucca Passage. Magn=5.6, h=122					iP	21	52	06
	eP	02	25	24		eS		02	30
	eS		26	48	12	48.8N;156.3E. Kurile Is Magn=5.7, h=28			
	eP	02	35	41		eS	09	44	28
	eS		37	03		eS	11	06	35
						Southern Greece			
	eP	03	26	12		eP	20	33	31
	eS		27	33		eS		35	18
	iP	03	52	40.0		38.6N;25.8E. Aegean Sea Magn=4.4, h=33			
	eS		53	47	13	eS	05	39	50
	37.2N;31.2E Turkey. Magn=5.1, h=125					eP	10	18	0(3)
	eP	04	33	5(0)		eS		19	26
	iP	06	10	19.7C		Near Crete			
	eS		11	45		eP	13	07	26
	34.5N;26.6E Crete Magn=5.0 h=33					eS		08	47
	eS	06	31	1(6)		34.6N;26.6E Crete			
	eP	06	36	34		eP	13	13	41
	eS		37	55		eS		15	02
						34.8N;27.0E Crete Magn=4.8, h=31			
10	eS	09	18	26		eP	16	44	16
	eP	10	21	07		eS		45	38
	41.8N;141.9E. Hokkaido, Japan reg. Magn=4.9, h=43					eS	17	38	34
	eS	16	52	49		ePKP	19	49	10
	eP	18	46	2(7)		19.6S;175.8W, Tonga Is. Magn.=4.2, h=244			
	eS		47	57		eP	22	25	12
	(Near Rhodes Is.)					eS		26	35
	iP	21	13	01.5D	14	e(S)	01	17	35
	T=1.5, Mu=150					eP	17	12	1(2)
	51.8N;99.0E. USSR-Mongolia Border Reg. Magn=4.9, h=2					34.1N;138.8E. Near S. Coast of Honshu, Japan Magn=4.7, h=50			
11	iP	01	24	40.9		eP	17	16	21
	eS		26	05		34.2N;138.9E, Near S. Coast of Honshu, Japan Magn=4.9, h=33			
	34.5N;26.5E. Crete. Magn=4.7 h=94					eP	20	40	37
	eP	02	47	59		eS		51	41
	eS		49	22		10.5N;63.0W. Near Coast of Venezuela, Magn=5.5 h=16			
	eS	05	37	55		eP	23	03	31
	iP	10	23	31.6		eS		05	43
	eS		24	59		26.8N;22.3E. Southern Greece. Magn=4.4 h=33			
	34.5N;26.4E. Crete Magn=4.7 h=11								
	eP	13	53	46	15	eP	09	32	1(5)
	eS		54	07		eS		33	3(4)
	eP	14	30	07		iP	13	51	46.0C
	eS		40	31		Local from S.W.			
	48.9N;156.2E. Kurile Is. reg Magn=5.8 h=13					eP	14	59	13
	iP	14	39	11		T=1.0, Mu=40			
						ePP	15	02	57

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
15	eS		10	00	21	iP	03	25	11.5
	51.5N;178.4W. Andean of Is, Aleution Is, Magn=5.8 h=31					eS		26	36
	eS	22	21	09		Near Grote			
	eP	22	50	10		eP	05	52	48
	eS		51	34		eS		54	11
	eP	02	31	(37)		i	08	27	19.5D
	iS			54.5		T=0.7, Mu=24			
	eP	02	59	53		e		29	23
	T=1.0, Mu=40					eS	16	07	14
	6.9S;129.4E, Banda Sea Magn=5.9, h=212					eP	22	17	04
16	iP	17	32	46D		eS		19	05
	eS		34	03	22	38.1N;23.2E Greece h=117			
	34.4N;26.6E Crete Magn=4.8, h=32					ePKP	00	12	31D
	eP	18	35	09		T=0.5 Mu=20			
	eS		36	33		18.0S;178.4W. Fiji Is. reg. Magn=5.1, h=555			
	eP	21	15	27		eP	07	39	39
	eS		17	03		T=0.4, Mu=10			
17	eP	01	11	26		eS		41	20
	T=1.2 Mu=90					38.7N;28.1E Turkey Magn=4.6, h=40			
	35.8N;140.5E, Near east coast of Honshu, Japan. Magn=5.3, h=68					iP	20	18	43.5D
	iP	07	09	52.5		T=0.5, Mu=30			
	ePP		10	54		iS		20	06.1
	eS		15	04	23	34.4N;26.5E. Crete			
	0.7N;30.1E. Uganda Magn=6.3, h=12					ePKP	06	18	40
17	From 07 40					16.0S;174.5W. Tonga Is. Magn=4.8, h=33			
19	Until 07 40					eP	08	52	22
	Short Period Vertical Seismometer blocked					30.0N;139.8E. South of Honshu, Japan. Magn=5.5, h=28			
	eP	07	19	4(9)		eP	22	02	32
	54.1N;164.1W. Unimak Is. reg. Magn=5.8 h=28					eS		04	00
	eS	12	59	16		Near Crete			
	iP	14	03	05.5C	24	eP	09	42	18
	eS			0(7)		37.4N;22.1E. Southern Greece. Magn=4.9			
20	eP	03	05	51		eP	10	50	36
	T=1.0, Mu=34					eS		52	00
	25.4N;128.3E. Ryukyu Is Magn=5.2, h=58					34.1N;26.4E Crete Magn=4.4, h=53			
	iP	09	21	00.0		eP	11	12	15
	iS		22	23.0		eS		14	28
	34.4N;26.5E. Crete Magn=3.9, h=37					37.5N;22.0E. Southern Greece, Magn=4.9, h=47			
	eP	09	28	29		iP	14	48	01.3D
	eS		39	11		eS		49	24
	13.9N;146.1E. South of Mariana Is. Magn=6.0 h=66					34.1N;26.4E Crete Magn=4.4, h=53			
	eP	18	14	28.5C		iPKP	15	48	54.0
	T=1.3, Mu=60					25.6S;177.4W. South of Fiji Is. Magn=5.3 h=112			
	eS		24	22		eP	17	45	44
	19.6N;122.0. Philippine Is. reg. Magn=5.6 h=96					eS		47	19
	eP	19	51	5(1)	25	34.9N;24.8E Crete Magn=4.9, h=45			
	iS		52	22.5		eP	01	06	2(6)
	34.1N;36.0E. Near Tripoli-Lebanon					eS		08	07
						(Crete)			
						ePKP	12	27	46
						21.6S;169.9E. Loyalty Is. reg. Magn=5.5 h=35			

Jerusalem
May 1966

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
25	e(PKP)	13	40	15					
	ePKS		43	50					
	52.9S;160.0E. Macquarie Is. reg Magn=6.6 h=33								
26	eP	10	36	43					
	eS		38	28					
	(Near Crete?)								
	iPKP	12	45	21.1D					
	T=1.0 Mu=60 Magn=5.0, h=455 25.5S;179.8W Fiji Is. reg								
	ePKP	18	49	31					
	21.1S;176.9W. Fiji Is reg. Magn=5.4, h=230								
27	eP	22	20	31					
	24.4N;68.7E. India-West Pakistan border reg. Magn=5.1, h=5								
28	eP	00	15	40					
	T=0.8, Mu=43								
	eS		25	20					
	eSS		30	54					
	24.4N;122.5E Taiwan Reg. Magn=5.7, h=33								
	iPKP	02	28	33.7					
	22.2S;179.6W. South of Fiji Is. Magn=4.9 h=600								
	iP	06	05	15.5					
	23.8N,125.1E. SW Ryukyu Is. Magn=5.2, h=12								
	e	11	01	45					
	eP	21	37	23					
	eS		38	42					
29	ePKP	14	03	18					
	21.6S;178.7W Fiji Is. Magn=5.2 h=516								
30	e	12	34	39					
31	eP	19	25	11					
	eS		26	44					

E. Arich,

Chief Seismological Laboratory,

June 1966

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 SEISMOLOGICAL BULLETIN

Coordinates: Lat, 31° 46' 19"N; Long: 35° 11' 50"E.

Elevation : 770 Metres.

Lithologic Foundation: Upper Cretaceous Dolomite.

Instruments: World-Wide Standardised Seismograph System.

Constants:

Instruments	Compon.	Free Period (sec.)		Magnification
		Pendulum	Galvanometer	
Benioff- Variable Reluctance	Z,N,E	1.0	0.75	50000 at 1.0 sec.
Sprengnether	Z,N,E	15.0	100	3000 at 15.0 sec.

Abbreviations:

T - Wave period in seconds

Mu - Ground displacement in millimicrons

Epicenter data - Generally from USCGS

Jerusalem
June 1966

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Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
1	ePKP	12	07	22	5	eP	20	54	54.5
	ePKP ₂		07	29.5		eS		57	05
	ePP		11	11		37.2N;22.1E Southern Greece Magn=4.4			
	23.4S;174.9W Tonga Is. Reg. Magn=5.9					h=33			
					6	iP	00	46	35.6
	iP	23	08	51.0		eS		47	00
	e(S)		11	00		iP	07	52	07.00
2	iP	03	40	52.5		ePP		53	15
	T=1.4 A=70					ePPP		53	23
	ePP		44	28		eS		56	34
	51.1N;176.0E Rat Is. Aleution Is. Magn=6.0 h=41					36.3N;71.2E Afganistan USSR border reg Magn=6.3 h=225			
	eP	07	20	41		iP	20	29	49.50
	ON;123.2E Northern Celebre. Magn=5.8					T=1.2 Mu=100			
	h=185					ePP	21	03	10
	ePKP	08	02	09		eS		10	25
	36.8S 179.6W East of North Is. N.Z. h=33					9.6N;126.4E Mindaro Philippine Is. Magn=5.7 h=45			
	e(P)	11	36	(07)	7	eP	01	14	42
	ePKP	17	13	46		ePKP		18	26
	18.6S;173.4W Tonga Is. Magn=5.0 h=33					ePP		19	28
	eP	17	45	06		eSKS		25	20
	e(S)		46	52		eSKKS		26	23
	eP	22	53	41		15.0S;75.8W Near Coast of Peru Magn=5.5			
	eS		55	21		h=48			
	38.5N;27.4E Turkey Magn=4.5 h=33					e(P)	11	56	34.5
	iP	23	09	35.5		24.2N;122.5E Taiwan Reg Magn=5.7 h=41			
	iS		10	10.7		iP	14	12	59.70
3	iP	12	26	54.40		ePP		16	52
	Local					e		19	03
	iP	14	07	47.7		eS		24	00
4	e	01	20	52		11.3N;139.6E West Caroline Is. Magn=6.5			
	iP	05	17	43.9		h=50			
	T=1.2 Mu=160					ePKP	19	24	26
	iPcP		20	41.5	8	iPKP ₂			30.5
	36.3.N;70.8E Hindu Kush reg. Magn=5.7					Magn=5.2 h=606			
	h=207					iP	20	09	08.10
	iP	06	19	52		T=1.0 Mu=40			
	eS		22	04		ePP		12	28
	36.6N;21.0E Mediterranean Sea Magn=5.1					eS		19	50
	h=80					53.1N;171.1E Near Is. Aleution Is.			
5	iP	00	00	47.5	9	eP	00	22	13
	T=1.6 Mu=360					T=0.9 Mu=40			
	oS		11	06.5		7.6N;94.1E Nicabar Is. reg. Magn=5.3			
	46.5N;152.5E Kurile Is. Magn=5.9 h=27					h=5.5			
	eP	03	07	27		e	07	07	28
	31.3S;68.9W San Juan Province Argentina Magn=4.3 h=123					85.3N;92.9E North of Severnaya Zemlya Magn=4.9 h=33			
	iP	09	16	09.8		eP	15	51	41.2
	iS		17	46.5		eS	16	01	52
	39.1N;29.6E Turkey Magn=4.4 h=39					ePS		02	39
						44.3N;147.6E Kurile Is. Magn=5.5 h=110			
						eP	22	28	23
						eS		31	25
						27.6N;52.5E Southern Iran Magn=4.9 h=8			

Jerusalem
June 1966

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Date	Phase	G.	C.	T..	Date	Phase	G.	C.	T.
10	eP	10	53	2(1)	15	eP	01	15	(40)
	eS			26		ePKP		18	46
	eP	21	27	20		ePP		20	42
	iS		28	44.5		10.5S;160.9E Solomon Is. h=33			
	iP	22	50	49.1		ePKP	01	51	52
		T=1.0	Mu=40			i		52	00.1
		45.1N;99.7E Mongolia	Magn=5.1	h=33		10.2S;161.1E Solomon Is. Magn=6.2		h=33	
11	iP	00	12	49		iP	08	09	48.8
	eS		14	29			Local		
	iP	03	12	42.5	16	iP	01	10	14.5
	eS		22	15		eS		11	07
		23.6N;119.9E Taiwan Reg	Magn=5.2	h=33		iP	17	07	18.6
	iP	10	24	59.4		7.0S;107.8E Magn=5.0		h=149	
	eS		27	23	17	iP	01	35	47.4
		39.9N;21.4E Greece	Magn=4.7	h=7		iP	02	28	22.5
	iP	12	07	59.4		iS		29	42.5
	eS		10	12		eP	04	38	09
		37.5N;21.2E Southern Greece	Magn=4.8			eS		39	30
		h=51				eP	05	33	09
	iP	20	23	47.6		eS		34	31
	iS		24	20.9		i	08	04	32.0
	iP	20	43	12.5		ePKP	10	22	49
	iS			40.0		21.9S;178.8W Fiji Is. Reg		Magn=4.8	h=544
13	eP	01	07	38	18	eP	01	54	32
	eS		10	3(8)		eS		55	11
		32.1N;54.5E Magn=4.8	h=67			eP	07	30	32
	eS	03	27	03		eS		31	53
	iP	05	01	21.5		eP	14	10	25
	eS		02	54		eS		11	04
	ePKP	07	52	4(1)		ePKP	22	14	11
	ePP		56	40		18.4S;175.6W Magn=4.5		h=282	
		21.2S;174.1E New Hebrides Is. reg.	Magn=5.9	h=49	19	iP	17	57	40.5
	eP	18	24	20		eS		59	28
	ePKP		27	23		38.6N;27.4E Turkey		Magn=4.6	h=31
	ePP		29	48	20	ePKP	09	11	55
	ePPP		30	30		16.2S;173.1W Tonga Is. Magn=4.8		h=33	
		12.2S;167.1E Santa Cruse Is. Magn=6.2				iP	12	32	28.7C
		h=259						Local	
14	eP	02	48	(12)		ePKP	19	28	53
	eS		49	30		20.5S;174.1W Tonga Is. Magn=4.5		h=33	
		38.1N;42.8E Turkey	Magn=4.7	h=4.7		iP	20	52	51.5
		h=38				eS		54	28
	iP	02	57	23.0	21	eP	11	58	01
		20.8E;178.6W Fiji Is. reg. Magn=4.6	h=545			iS			06.5
	eP	10	41	(37)		eS	13	24	54
	e(S)		43	29		eP	14	23	09
	iP	21	15	395				Local	
		30.7N;138.7 South of Honshu Japan	Magn=5.1	h=397		eP	23	18	56
						50.1N;157.8E Kurile Is. Magn=5.8		h=14	
15	eP	00	04	2(2)	22	iP	20	41	25.5
	e(S)		05	17		e		43	22
						eS		51	12

Jerusalem
 June 1966

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Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
22	7.28;124.6E Banda Sea				27	eP	10	55	12
	Magn=6.1 h=507					29.5N;80.9E Nepal India border Reg.			
23	iP	05	13	20.0		Magn=5.3 h=28			
	ePP		16	19		eF	10	57	18
	43.8N;139.9E Eastern Sea of Japan					29.8N;80.7E Nepal India border Reg.			
	Magn=5.5 h=218					Magn=5.8 h=33			
	iP	12	23	58.00		iP	11	06	45.5
	Local					iPP		08	03.5
	eP	13	04	22		iS		12	40.5
	iS			29.3		i		12	41.2
	iP	18	16	58.0		29.7N;81.0E Nepal India border reg.			
	eS		17	44		Magn=6.0 h=40			
24	ePKP	08	37	21		iP	11	29	11.0
	iPKP ₂			27.5		29.7N;80.8E Nepal India border reg.			
	26.7S;177.3W South of Fiji Is. Magn=5.3					Magn=5.4 h=33			
	h=146					iP	14	03	19.6
	iP	14	06	28.4		T=0.9 Mu=70			
	24.2S;178.7E South of Fiji Is. Magn=4.3					29.6N;80.8E Nepal India border reg.			
	h=619					Magn=5.4 h=35			
	eP	16	37	48		iPKP	22	06	43.5
	eS		39	38		iPKP ₂			48.5
	eP	22	37	31		30.8S;177.2E North Is. New Zealand			Magn=5.7
	eS		39	52		h=54			
	38.8N;21.6E Greece Magn=4.6 h=25				28	eS	17	04	57
25	iP	01	58	54.5	29	iP	23	03	06.2
	ePP	02	02	22		T=1.2 Mu=40			
	eS		09	25		24.2N;122.5E Taiwan reg. Magn=5.2 h=33			
	29.6N;142.1E South of Honshu Japan				30	iP	10	10	34.7
	Magn=5.5 h=49					i(P)	10	35	08.4
	iP	06	23	07.5		eP	12	40	17
	eS		24	49		eS		50	55
	eS	06	40	54		9.6N;126.7W Mindano Philippine Is.			
	eP	11	55	(07)		Magn=5.4 h=44			
	eS		57	25		iP	15	57	06.9
	32.7N;48.5E Western Iran Magn=4.7 h=33					24.4N;122.2E Taiwan reg. Magn=5.4 h=47			
	iP	23	34	55.0		e(P)	22	33	23
	eS		36	18					
26	iP	13	18	15.7					
	eS		19	14					
	37.0N;36.1E Turkey Magn=4.5 h=33								
	iP	23	40	42.0					
	31.9N;104.0E Szechwan Province China								
	M=5.2 h=33								
27	ePKP	08	58	37					
	22.7S;175.8W Tonga Is. Reg Magn=5.3 h=6.0								
	iP	09	34	26.5					
	eS		35	11					
	iP	10	48	35.7					
	ePP		50	12					
	ePPF		50	31					
	29.7N;80.9E Nepal India border Reg								
	Magn=6.1 h=37								

E. Arie

Chief of Seismological Laboratory

April 66

Recd March 67

MINISTRY OF DEVELOPMENT
Geological Survey - Jerusalem
Division of Quaternary and Recent Geology
Seismological Laboratory

Address:

Seismological Laboratory
Geography Building, Hebrew University Campus
Jerusalem, Israel

Seismological Bulletin

Coordinated: Lat $31^{\circ} 45' 19''N$; $35^{\circ} 11' 50''E$
Elevation : 770 Metres
Lithologic Foundation: Upper Cretaceous Dolomite
Instruments: World-Wide Standardised Seismograph System

Constants:

Instruments	Comp.	Free Pendulum	Period (sec.) Galvanometer	Magnification
Benioff variable reluctance	Z,N,E	1.0	0.75	50000 at 1.0 sec.
Sprengnether	Z,N,E	15	100	3000 at 15.0 sec.

Abbreviations:

- T - Wave period in seconds
- Mu - Ground displacement in

Millimicrons

Epicenter - data - Generally from USCGS

Jerusalem
April 1966

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
1	eP	03	46	42	7	eP	09	54	31.C
	53.5S;3.1W. South Atlantic Ridge. Magn.=5.8, h=33					eS	10	04	25
	eP	09	05	(50)		26.1N;127.4E. Ryukyu Is. Magn.=5.7, h=46			
	eS		07	1(5)		iP	13	52	40.5
	(Iran)					Local			
	eP	13	18	10		ePKP	14	56	24
	eS		20	36		24.1S;175.2W. South of Tonga Is. Magn.=5.2 h=33			
	38.7N;21.5E. Greece					i(P)	20	13	30.3
2	iP	22	55	41.5D		eP	20	32	5(0)
	38.7N;141.9E Near east coast of Honshu, Japan. Magn.=4.6, h=39					eS		34	14
3	iP	04	56	00.01	8	iP	01	59	08.20
	ePP		59	11		ePP	02	02	21
	36.7N;140.8E Near east coast of Honshu, Japan, Magn.=5.7, h=68					eS		09	(24)
	eP	11	39	32		51.2N;157.7E. Near East coast of Kamchatka. Magn.=5.9, h=47			
	39.0N;21.5E Greece Magn=5.1, h=25					eP	06	01	54
4	iP	03	01	24.0		eS		09	25
	T=1.0, Mu=34 12.0N;92.7E. Andaman Is. reg Magn.=5.0 h=33					52.7N;33.2W. North Atlantic Ocean, Magn=5.5, h=33			
	eP	06	51	53		ePKP	11	29	57
	T=1.2, Mu=51					15.0S;175.3W. Samoa Is. reg. Magn.=5.2 h=33			
	eS		59	12		eP	13	48	10
	eSS	07	01	41		eS		49	07
	12.1N;92.7E. Andaman Is. reg Magn.=5.0, h=33					35.8N;30.9E. Eastern Mediterranean Sea Magn.=4.5, h=38			
5	iP	05	09	59.5		eP	22	55	1(4)
	44.0N;147.7E. Kurile Is. Magn.=5.0, h=33					eS		56	40
6	e	10	57	(03)	9	ePKP	03	01	08
	eP	01	58	2(1)		9.6N;84.1W, Costa Rica Magn.=5.7, h=30			
	35.0N;73.0E West Pakistan Magn.=5.1 h=38					eP	14	43	44
	eP	03	12	24		32.8N;137.6E. South of Honshu, Japan, Magn.=4.6, h=369			
	eS		23	09		ePKP	15	08	35
	eSS		30	05		14.1S;166.7E. New Hebrides Is. Magn.=5.4, h=47			
	45.8S;96.1E Northeast Indian Rise Magn.=5.8, h=33					iP	19	04	43.0D
	eS	09	53	57		T=1.2, Mu=27			
	iP	22	05	47.6		60.2N;147.1W. Southern Alaska Magn.=4.7 h=34			
	8.9N;126.4E. Mindano, Philippine Is., Magn.=5.8, h=69					eP	20	13	31
7	eP	00	42	35		5.4N;126.0E. Mindano, Philippine Is. Magn.=5.6, h=133			
	eS		44	07					
	36.9N;27.1E. Dodecanese Is. Magn.=4.2 h=33				10	eP	10	52	38
	iP	03	17	57.3D		53.1N;171.0E. Near Is. Aleution Is., Magn.=5.2, h=20			
	eS		18	28		ePKP	16	54	58
	(North of Israel)					ePP		56	14
	eP	03	28	4(7)		31.5S;71.2W. Near Coast of Central Chile Magn.=5.7, h=64			
	eS		31	04		iP	17	35	27.6
	37.8N;21.1E. Southern Greece Magn.=4.8 h=36					iS		36	14.5
	ePKP	05	22	44	11	eP	06	45	45
	15.5S;174.1W. Tonga Is. Magn.=4.9, h=33								

Jerusalem
April 1966

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
11	eS (West of Rhodes Is.)		47	06	18	eP eS	10	02 04	28 51
	eP	16	49	00		iP	15	31	22.5
	eS		54	35		Local			
	38.8N;70.6E Afghanistan USSR Border Magn.=4.8, h=29				19	eP eS	09	22 24	45 14
	iP	23	13	30.0	20	eP	16	45	28.5
	ePP		17	10		T=1.0, Mu=292			
	eS		24	04		eS		48	16
	56.6N;152.0W. Kodiak Is. reg. Magn.=5.4 h=33					41.7N;48.2E, Eastern Caucasus, Magn.=5.5 h=19			
12	iP eS (Near Crete)	03	10 12	57.0 30	21	iP	04	05	08.4
	ePKP	23	56	3(1)		T=0.8, Mu=20			
	ePP		58	09		49.8N;78.0E Eastern Kazakh, USSR. Magn.=5.5, h=0			
13	ePS eSS	00	08 15	15 35		iP	06	47	20.4C
	38.1S;73.0W. Central Chile Magn.=5.1 h=44					T=0.7, Mu=38			
	ePKP	03	55	30		eS		48	49
	38.2S;73.2W. Near coast of Central Chile. Magn.=5.8 h=40					34.8N;26.0E. Crete Magn.= 5.1, h=52.			
	ePKP	04	46	36,5D		iP	07	24	30.5
	epPKP		48	51		Local (from N.E)			
	23.6S;179.9W. South of Fiji Is. Magn.=5.2 h=550					eP	15	57	54
14	eP	16	43	55		ePP	16	01	09
	4.8N;96.2E Northern Sumatra Magn.=4.9 h=30					eS		08	16
	eP	17	11	1(7)		36.1N;141.8E Near east coast of Honshu, Japan Magn.=5.5, h=30.			
	iS		12	08.2		ePKP	16	31	35
	eP	18	54	06		T=0.5, Mu=30			
	eS		55	50		20.4S;178.0W. Fiji Is. reg. Magn=4.5, h=511			
	34.5N;24.0E. Crete Magn.=5.0, h=33					eP	17	49	16
	iP	19	07	41		eS		59	43
	eS (Near Crete)		09	22		35.5N;142.0E. Off east coast of Honshu, Japan Magn.=5.1, h=46			
	iP	21	12	23.0	22	eP	03	02	21
	38.9N;70.6E. Afghanistan USSR Border Reg. Magn.=5.2, h=33					47.9N;47.7E SW Russia Magn.=4.9, h=33			
16	eP	01	40	20		eP	11	31	34
	ePP		43	56		eS		32	07
	eS		50	50		(Near Gulf of Akaba)			
	57.0N;153.6W. Kodiak Is. reg. Magn.=5.7 h=33					eS	11	49	40
	ePKP	15	42	19D		iPKP	17	13	50.0
	21.1S;178.6W. Fiji Is. reg. Magn.=5.4 h=511					T=0.8, Mu=20			
17	eS	16	36	06		18.0S;178.4W. Fiji Is. Reg. Magn.=4.2, H= h=542			
18	iP	08	19	13.8C		eP	23	40	24
	T=1.4, Mu=660					T=2.0, Mu=300			
	eS		23	27		ePP		44	00
	12.9N;48.3E Eastern Gulf of Aden. Magn.= 5.4, h=57					eS		50	54
						57.5N;152.1W Kodiak Is. reg. Magn.=5.9 h=22			
					23	iP	00	22	22.7D
						T=2.4, Mu=900			
						ePP		25	51
						ePPP		28	18
						eS		32	55

Jerusalem
April 1966

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
23	0.9S;122.4E. Northern Celebes			Magn.=6.0	27	25.2S;179.8E South of Fiji Is.			Magn.=4.5
	h=45					h=499			
	eP	01	11	31	28	iP	13	56	27.1C
	73.6N;8.7E Greenland Sea			Magn.=4.6, h=33		eS			29
	ePKP	03	48	16		(from N.W.)			
	23.8S;175.7W Tonga Is. reg.			Magn.=5.1		ePKP	17	16	14
	h=54					ePP		19	53
	eP	04	26	15		19.1S;173.6W. Tonga Is.			Magn.=5.2, h=27
	26.ON;90.4E Eastern India			Magn.=5.1, h=33		iPKP	17	33	20.5C
	iPKP	06	04	42.8		19.3S;173.5W. Tonga Is.			Magn.=5.2, h=33
	23.4S;179.8W South of Fiji Is.			Magn.=4.8		eP	18	16	15
	h=509					4.3N;62.7E Carlsberg Ridge.			Magn.=5.0
	ePKP	07	09	18		h=33			
	T=1.4, Mu=125				29	eP	22	07	31
	41.6S;174.4E Cook Strait N.Z.			Magn.=5.8		iS		08	04.2
	h=15					(Near North of Israel)			
	iP	09	09	08.3		eP	23	16	07
	eS		20	09		52.2N;160.5E. off East coast of Kamchatka			Magn.=4.5, h=33
	0.5S;122.2E. Northern Celebes.			Magn.=5.8	30	eP		06	12
	h=79					eS			13
	eP	11	11	17					44
	eS		13	42					26
	39.1N;21.4E Greece			Magn.=4.5, h=41		eP		07	07
	eS	13	06	15		eS			08
	eP	23	35	3(7)					39
24	e	02	33	30					
	e(S)	06	43	01					
25	ePKP	08	53	34					
	19.0S;175.1W Tonga Is.			Magn.=4.4, h=243					
	ePKP	11	00	42D					
	epPKP		02	57					
	ePP		03	49					
	21.0S;178.7W Fiji Is. reg.			Magn.=5.3					
	h=561								
	eP	23	28	53					
	eS		33	54					
	41.2N;69.3E. Kirgiz SSR			Magn.=5.0 h=33					
26	eP	05	43	32					
	eS		45	15					
	e(S)	20	35	16					
27	eP	00	44	51					
	47.ON;152.7E. Kurile Is.			Magn.=5.0 h=65					
	eP	03	01	0(7)					
	eS		02	1(8)					
	iP	19	50	59.5					
	38.2N;42.7E Turkey			Magn.=4.9, h=25					
	eP	20	24	4(5)					
	eS		26	4(3)					
	(Turkey)								
	ePKP	21	52	07					

E. Arie

Chief Seismological Lab.

August 1966

MINISTRY OF DEVELOPMENT
Geological Survey - Jerusalem
Division of Quaternary and Recent Geology
Seismological Laboratory

Address:

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Geography Building, Hebrew University Campus
Jerusalem, Israel.

JERUSALEM SEISMOLOGICAL BULLETIN

Coordinates: Lat, 31° 46' 19"N; Long: 35° 11' 50"E.

Elevation : 770 Metres.

Lithologic Foundation: Upper Cretaceous Dolomite.

Instruments: World-Wide Standardised Seismograph System

Constants:

Instruments	Compon	Free Period (sec.)		Magnification
		Pendulum	Galvanometer	
Benioff Variable	Z,N,E	1.0	0.75	50000 at 1.0 sec.
Sprengnether	Z,N,E	15.0	100	3000 at 15.0 sec.

Abbreviations:

T - Wave period in seconds

Mu- Ground displacement in millimicrons

Epicenters: data - Generally from USCGS

Jerusalem
August 1966

Date	Phase	G. C. T.	Date	Phase	G. C. T.
1	eP eS	08 29 (19) 30 30	6	iP	20 31 51.9
					44.8N;150.2E Kurile Is Reg Magn=4.7 h=41
1	iP	19 15 53.1	7	iP	01 55 39.5
		29.9N;68.8E West Pakistan Magn=5.8 h=33			
1	eS	20 25 20			02 26 25.1
		Local			T=2.2 Mu=1.500
	iP	20 36 53.7		ePP	30 10
		29.9N;68.6E West Pakistan Magn=5.7 h=33		eSKS	37 10
	iP	20 44 31.5		eS	37 35
		44.6N;140.4E Kurile Is. Reg. Magn=5.2 h=24		eP	08 52 44
	iP	21 08 58.5		eS	47
		T=1.5 Mu=300		iPKP	14 00 55.5
		30.0N;68.7E West Pakistan Magn=6.2 h=33			24.0S;179.9W South of Fiji Is. Magn=4.7 h=537
	eP	22 36 57		eP	14 24 48
		30.0N;68.9E West Pakistan Magn=5.2 h=33			59.6N;144.4W Gulf of Alaska Magn=5.5 h=4
2	eP eS	11 03 01 46		eP	14 33 35
				e	35 32
	iP	12 32 32			36.4N;22.2E Southern Greece Magn=4.5 h=54
		Local		e(P)	17 55 37
	eP	20 06 (34)		e	18 01 50
	eS	07 31		e	03 26
3	eP eS	11 28 47 29 25	8	iP	20 30 51.0
					42.3N;143.0E Hokkaido Japan Reg Magn=5.1 h=66
4	eP iS	11 53 17 20.5		e(P)	08 22 46
				e	32 40
	iPKP	15 45 04.0			13 03 47.5C
		17.8S;174.8W Tonga Is. Magn=5.1 h=239			Local
5	iP iPCP	01 10 13.4 12 35.0	9	e	17 38 43
		32.6N;79.6E Kashmir Tibet border reg. Magn=5.3 h=55		iP	00 22 42.0
	iP	04 05 07.9		eS	24 57
	iPP	06 34.0			32.8N;48.7E Western Iran Magn=4.2 h=54
		49.9N;78.0E Eastern Kazakh SSR. Magn=5.7 h=0 Underground Explosion		iP	03 37 42.5
	iPKP	04 52 04.8		eS	40 14
		10.9S;162.3E Solomin Is. Magn=5.7 h=93			40.3N;19.9E Albania Magn=5.0 h=33
	iP	14 08 36.5		iP	08 01 40.5
	eS	09 19		eS	02 56
	iP	17 51 37.5			19 29 32.5
		42.4N;19.2E Yugoslavia Magn=5.2 h=33		e(S)	30 53
	eP	21 23 55	10	i(P)	23 51 16.5
	eS	25 11			
6	eP	02 34 59		iPKP	05 20 46.0
		42.2N;18.8E Yugoslavia Magn=5.3 h=33		iPKP ₂	49.5
	iP	05 55 53.5		ePKS	24 30
		42.2N;18.8E Yugoslavia Magn=5.4 h=11			20.1S;175.3W Tonga Is Magn=5.8 h=96
	iP	19 45 49.5		eS	07 23 43
		44.9N;150.2E Kurile Is reg Magn=5.0 h=36		eS	11 08 57
				eP	15 25 21
				iS	27 26.5
					36.2N;22.2E Southern Greece Magn=4.7 h=7
				iP	22 11 37.5
					38.4N;69.6E Tadzhik SSR Magn=5.5 h=4

Date	Phase	G. C. T.	Date	Phase	G. C. T.
11	iP	00 26 43.0	16	iP	03 57 13.2
	eS	28 55		40.3N;19.9E Magn=4.9 h=33	
		37.8N;20.9E Ionian Sea Magn=4.5 h=43		eP	08 30 12
	iPKP	05 32 28.5		eS	25
	ePKS	36 10		iPKP	18 07 14.0
		19.3S;173.9W Tonga Is. Magn=5.5 h=33			27.7S;178.2W Kermadec Is Magn=4.9 h=192
	iPKP	20 59 49		ePKP	20 05 06
		23.5S;175.9W Tonga Is Reg. Magn=5.3 h=32		ePP	08 12
	iPKP	22 36 09.5		iPKS	08 50
		23.3S;175.8W Tonga Is. Reg Magn=4.8 h=33			21.4S;171.3E Loyaly Is reg Magn=5.3 h=36
	iPKP	23 37 11.5		eP	21 03 38
		23.6S;175.1W Tonga Is. Magn=4.9 h=33		eS	05 02
	iPKP	23 45 30.0			37.2N;28.8E Turkey Magn=4.6 h=48
		23.4S;175.9W Tonga Is Reg Magn=5.3 h=37	17	iP	21 11 31.3
	iPKP	23 53 44.2			52.3N;174.9E Near Is. Aleution Is. Magn=5.6 h=32
		23.9S;175.3W Tonga Is Reg Magn=4.7 h=33	18	iP	00 16 19.0
12	iPKP	00 32 31.0			1.7S;100.6E Southern Sumatra Magn=5.3 h=19
		23.3S;175.9W Tonga Is Reg Magn=5.2 h=33		eP	00 29 2(5)
	iP	01 19 43.5		eS	30 45
	e(s)	20 23	18	iPKP	02 49 30.0
	iPKP	04 19 29.0			15.8S;172.9W Samoa Is. Reg Magn=4.5 h=33
		22.4S;176.2W South of Fiji Is. Magn=5.4 h=128		iS	03 22 18.5
	iP	15 27 19.7		iP	14 46 56.00
	e(s)	28 29		ePP	30 25
13	iP	14 57 45.6		eS	37 25
	iP	19 34 09.5			2S;125.1E Molucca Sea Magn=6.3 h=56
14	iP	04 18 55.6		iP	14 50 50.5
	eS	19 34.4		eS	15 01 20
15	iP	02 22 48.2			1;125.1E Molucca Sea Magn=6.3 h=33
	ePP	24 30		iP	22 11 01.5
	e	31 28		eS	12 32
		28.7N;78.9E Northern India Magn=5.8 h=50			36.2N;26.4E Dodecanese Is Magn=4.3 h=122
	iP	02 57 43.5	19	eP	03 22 58
	ePP	03 00 49			59.5N;144.6W Gulf of Alaska Magn=4.6 h=33
	eS	07 45		iP	12 24 20.6
		13.3N;121.3E Mindoro Philippine Is. Magn=5.7 h=14		eS	25 53
	iP	10 28 08.5			39.2N;41.7E Turkey Magn=6.1 h=26
	ePP	29 41		iP	12 52 05.1
	ePPP	30 18		iP	13 56 30.3
	eS	34 14			38.9N;41.7E Turkey Magn=5.3 h=33
		38.N;64.OE Carlsberg reg Magn=5.6 h=37		iP	14 20 06.7
	eP	13 49 17			39.2N;41.1E Turkey Magn=5.1 h=47
	ePP	52 45		eP	18 43 26
	eS	59 45			39.1N;41.4E Turkey Magn=4.9 h=33
		60.4N;146.0W Southern Alaska Magn=5.3 h=9		iP	22 21 22
16	iP	02 22 10.7			
	ePP	23 17			
	ePCP	25 08			
	eS	26 37			
	eSS	28 30			
		36.4N;70.8E Hindu Kush reg Magn=5.7 h=199			

Date	Phase	G. C. T.	Date	Phase	G. C. T.
20	iP	09 44 19.5 T=1.1 Mu=60	24	ePKP	02 39 45D
	ePP	47 20		19.0S;177.7W Fiji Is	Reg Magn=4.4 h=442
	eS	54 05		eP	03 37 29
	43.1N;140.6E Hokkaido Japan reg.			eS	38 49
	Magn=5.8 h=161		25	eP	23 01 (17)
	eP	12 01 1(9)	26	ePKP	01 11 40
	39.3N;40.9E Turkey Magn=5.4 h=37			ePKP2	12 01
	eP	12 42 (31)		27.5S; Kermadec Is.	Magn=5.7 h=59
	eP	15 19 (42)		ePKP	09 26 25
	eP	17 56 14		ePP	29 25
	39.3N;41.2E Turkey Magn=4.4 h=33			22.1S;170.0E Loyalty Is	Reg Magn=5.6 h=33
	iPKP	23 14 52.8		iP	09 32 12.5
	23.4S;176.0W South of Fiji Is.	Magn=5.6 h=57		eS	33 09
	i	23 33 13.5		ePKP	22 44 39
21	iP	00 17 14.6		23.6S;175W Tonga Is	Reg Magn=4.9 h=33
	39.2N;41.8E Turkey Magn=4.8 h=33		27	eP	02 49 (15)
	eP	01 33 15		3.2N;128E Magn=5.6 h=170	
	eS	35 05		eP	03 03 3(3)
	40.3N;27.4E Turkey Magn=4.9 h=33			eS	05 23
	eP	02 27 18	28	eP	04 21 40
	39.3N;41.9E Turkey Magn=4.7 h=33			36.6N;138.1E Honshu Japan	Magn=4.5 h=24
	eP	04 08 3(1)		i	10 20 53.4
	iP	05 13 06.4			T=1.0 Mu=36
	8.5N;126.7E Mindanao Philippine Is.			e	10 48 55
	Magn=6.0 h=67			i	13 40 43.3D
	eP	13 33 31			T=0.9 Mu=33
	eP	15 20 16		e	19 08 15
	eP	16 34 41			T=1.0 Mu=54
	iP	20 37 47.0		ePKP	07 49 06
	28.9N;132.0E East of Ryukyu Is.			35.8S;178.5E Off east coast of N. Is.	N.Z. Magn=5.8 h=94
	Magn=5.4 h=34		29	eP	03 37 3(7)
	eP	21 15 (14)		eS	38 48
	eP	22 29 36	30	iP	04 57 25.7D
	eP	22 38 (49)			T=0.3 Mu=70
22	eP	10 33 5(0)		iS	39.0
	i	14 32 150D		e	06 46 31
	ePKP	18 01 36		e	08 55 52
	22.4S;170.6E Loyalty Is. Reg.	Magn=5.9 h=13		iP	12 52 28.2
23	eP	01 37 53		i	49.5
	39.2N;41.0E Turkey Magn=4.6 h=33			eS	13 02 25
	eP	18 34 05D		13.4N;120.7E Magn=5.5 h=81	
		T=0.9 Mu=37			
	23.8N;123.2E Southeastern Ryukyu Is.				
	Magn=5.6 h=37				
	ePKP	22 54 5(2)			
	16.3S;173.2W Tonga Is	Magn=5.0 h=33			

E. Arieh

July 1966

MINISTRY OF DEVELOPMENT
Geological Survey - Jerusalem
Division of Quaternary and Recent Geology
Seismological Laboratory

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Geography Building, Hebrew University Campus
Jerusalem, Israel.

JERUSALEM SEISMOLOGICAL BULLETIN

Coordinates: Lat, 31° 46' 19"N; Long: 35° 11' 50"E.

Elevation : 770 Metres.

Lithologic Foundation: Upper Cretaceous Dolomite.

Instruments: World-Wide Standardised Seismograph System.

Constants:

Instruments	Compon.	Free Period (sec.)		Magnification
		Pendulum	Galvanometer	
Benioff. Variable Reluctance	Z,N,E	1.0	0.75	50000 at 1.0 sec.
Sprengnether	Z,N,E	15.0	100	3000 at 15.0 sec.

Abbreviations:

T - Wave period in seconds

Mu - Ground displacement in millimicrons

Epicenter data - Generally from USCGS

Jerusalem
July 1966

Date	Phase	G. C. T.	Date	Phase	G. C. T.
1	iP	06 02 11.0	9	eP	00 58 35
	ePCP	39		eP	03 31 22
	ePP	04 40.5		eS	33 30
	eS	11 42			37.9N; 22.0E Magn=4.3 h=43
		24.8N; 122.5E Magn.=6.4 h=117		iP	05 07 37.5
	iPKP	19 39 11.6		eS	09 00
		23.75; 179.9W South of Fiji Is. Magn=4.1 h=496		iPKP	08 11 34.5
2	eP	02 46 58			33.2; 179.2W South of Kermadec Is. Magn=5.2 h=62
	iS	48 14.5		eP	11 17 07
	iP	20 59 50.5		eS	19 19
	eS	58		iPKP	14 33 19.2
	iP	21 35 54.00			20.1S; 178.4W Magn=5.1 h=559
	iS	36 01.5		eP	17 06 13
3	iPKP	04 29 24.5	10	iPKP	01 40 45.0
		21.1S; 174.2W Tonga Is. Magn=5.0 h=173			17.45; 178.7W Fiji Is. Reg Magn=5.8 h=532
4	iPKP	07 41 05.5D		ePKP	10 20 23
		22.1S; 179.6W South of Fiji Is. Magn=4.7 h=600		iPKP2	31
	iP	12 24 14.00			30.5S; 177.8W Kermadec Is. Reg Magn=5.8 h=40
	eS	31 19		iP	16 24 38.0
		37.5N; 24.8W Azores Is. Reg. Magn=5.5 h=33			T=1.4 Mu=270
	eP	18 46 4(3)		ePP	27 27
	ePP	50 20		ePPP	29 27
	ePPP	52 32		eS	34 30
	eS	57 24			24.2N; 125.2E Southwestern Ryukyu Is. Magn=5.9 h=28
		51.7N; 179.9E Rat Is. Aleution Is. Magn=6.2 h=13		iP	22 16 16.5
5	iPKP	03 42 03.0D			24.8N; 125.3E Southwestern Ryukyu Is. Magn=5.4 h=58
		15.2S; 174.9W Tonga Is. Magn=5.1 h=252			
6	eP	04 28 53	11	eP	10 43 29
		31 57		iP	12 34 38.6C
		40.9N; 15.7E Southern Italy Magn=4.3 h=25		iP	22 43 38.6
	iP	14 06 44.5		iS	44 28.3
		T=09 Mu=40		iPKP	23 05 49.5
		43.9N; 83.2E Northern Sinkiang Prov. China Magn=4.8 h=33			19.2S; 173.6W Tonga Is. Magn=5.6 h=120
7	eP	14 31 07		eP	00 05 (59)
		T=0.8 Mu=24			38.9N; 41.3E Turkey Magn=4.6 h=64
	ePKP	23 41 56	12	iP	02 59 01.5
		17.8S; 173.6W Tonga Is. Magn=5.3 h=26		iS	03 01 00.5
8	eP	03 55 0(9)			35.5N; 22.4E Mediterranean Sea Magn=4.9 h=15
	e	58 39		iP	18 56 15.0D
	e	14 14 03			44.6N; 37.4E Western Caucasus Magn=5.9 h=26
	eP	21 51 11		iPKP	21 59 51.5
	eS	53 01			20.6S; 174.4W Tonga Is. Magn=4.6 h=33
	iPKP	22 36 18.2	13	iP	02 42 40.5
	ePKP2	51		eS	43 33
		19.0S; 174.5W Tonga Is. Magn=5.3 h=5			

Date	Phase	G. C. T.	Date	Phase	G. C. T.
14	iP 35.6N;140.0E, Near E Coast of Honshu, Japan Magn=5.0 h=71 eP T=1.0 Mu=26 52.9S;27.5E South of Africa Magn=54 h=33	06 31 07.0 20 12 35	22	eP iP 42.8N;84.5E Northern Sinkiang Prov. China Magn=5.2 h=33 ePKP ePKS 16.0S;168.0E New Hebrides Is. Magn=5.5 h=187	01 24 41 03 47 37.) 08 44 (37) 47 27
15	eP eS 39.0N;21.8E Greece Magn=4.5 h=44	23 53 19 55 38		iP ePP eS 51.7N;173.5W Andrean Is. Aleution Is. Magn=5.6 h=56	10 30 32.0 34 20 41 24
16	eP eS eP eS	16 29 2(6) 30 29. 23 08 58 10 16	23	iP ePP ePPP eSKS eS 51.7N;173.5W Andrean of Is. Aleution Is. Magn=5.3 h=55	14 45 01.8 48 29 50 40 55 35 55 52
17	iPKP 19.6S;175.7W Tonga Is. Magn=4.9 h=220	16 24 03.10		ePKP iPKP 20.4S;175.8W Tonga Is. Magn=5.2 h=112	09 12 02 17 37 57.0D
18	ePKP 23.1S;176.8W South of Fiji Is. Magn=4.7 eP 8.4N;58.5E Carlsberg Ridge Magn.=4.9 h=33 eP 13.1N;57.6E Arabian Sea Magn=5.1 h=33	01 07 15 02 01 30 10 05 00	24	i e iP eS iP eS iPKP 27.5S;177.9W Kermadec Is. Magn=5.2 h=143 iP iS 14 51 42.5 53 41 15 33 14.5 35 15 17 09 4(2) 32.6N;49.3E h=74 eP eS 32.8N;48.7E Western Iran Magn=4.9 h=36 eP eS 32.6N;49.0E Western Iran Magn=5.2 h=54	09 12 02 17 37 57.0D 14 06 31.0 15 13 16 09 52 42.5 59 17 40 25.5 40 41.5 22 59 25.8 23 15 43.5 16 03.5
19	eP eS 56.2N;164.9E Komandorsky Is. Reg Magn=5.4 h=18 eP eS 38.6N;27.6E Turkey Magn=4.3 h=53 eP Local iP 51.7N;173.3W Andran Is. Aleution Is. Magn=5.5 h=47	01 53 15 02 03 33 02 35 35 37 15 18 25 54.5 19 33 44.3	25	iP eS 17 40 25.5 40 41.5 22 59 25.8 27.5S;177.9W Kermadec Is. Magn=5.2 h=143 iP iS 14 51 42.5 53 41 15 33 14.5 35 15 17 09 4(2) 32.6N;49.3E h=74 eP eS 32.8N;48.7E Western Iran Magn=4.9 h=36 eP eS 32.6N;49.0E Western Iran Magn=5.2 h=54	14 06 31.0 15 13 16 09 52 42.5 59 17 40 25.5 40 41.5 22 59 25.8 23 15 43.5 16 03.5
20	eP eS iP eS ePKP 13.3S;111.4W Northern eastern Is. Cordillera Magn=5.0 h=33 eP eS	02 49 05 47 03 15 42.5 16 20 13 42 29	26	iP eS 17 40 25.5 40 41.5 22 59 25.8 27.5S;177.9W Kermadec Is. Magn=5.2 h=143 iP iS 14 51 42.5 53 41 15 33 14.5 35 15 17 09 4(2) 32.6N;49.3E h=74 eP eS 32.8N;48.7E Western Iran Magn=4.9 h=36 eP eS 32.6N;49.0E Western Iran Magn=5.2 h=54	09 52 42.5 59 17 40 25.5 40 41.5 22 59 25.8 23 15 43.5 16 03.5
21	iP 49.7N;77.9E Eastern Kazakh SSR Magn=5.6 h=0 Nuclear Explosion ePKP ePP eSKS 17.8S;178.6W Fiji Is. Reg Magn=5.6 h=591	04 05 08.3 18 48 50 51 36 55 44	27	iP eS 32.6N;48.8E Western Iran Magn=5.5 h=36 iP eS 32.6N;48.8E Western Iran Magn=3.9 h=45 eP 17 09 4(2) 32.6N;49.3E h=74 eP eS 32.8N;48.7E Western Iran Magn=4.9 h=36 eP eS 32.6N;49.0E Western Iran Magn=5.2 h=54	14 51 42.5 53 41 15 33 14.5 35 15 17 09 4(2) 18 09 19 11 17
			28	iPKP 29.0S;177.5W Kermadec Is. Reg Magn=5.4 h=59	12 27 42.5

Date	Phase	G. C. T.	Date	G. C. T.
28	iPKP	23 41 20.0		
	25.6S;177.6W South of Fiji Is Magn=4.8			
	h=184			
29	eP	08 24 11		
	eS	26 56		
	28.5N;51.6E Southern Iran Magn=4.8			
	h=33			
	iP	12 30 04		
	Local			
	eP	19 30 08		
	eS	41		
	iP	20 00 38.0		
30	eP	00 28 12		
	eP	05 23 2(6)		
	43.0N;17.8E Yugoslavia Magn=4.3 h=31			
	eP	17 52 00		
	9.1N;126.6E Mindanao Philippine Is.			
	Magn=5.4 h=36			

E. Arieh

Craig, Seismological Laboratory.

September 1966

28 DEC 1967

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JERUSALEM SEISMOLOGICAL BULLETIN

Coordinates: Lat, $31^{\circ} 46' 19''$ N; Long: $35^{\circ} 11' 50''$ E.

Elevation : 770 Metres.

Lithologic Foundation: Upper Cretaceous Dolomite.

Instruments: World-Wide Standardised Seismograph System.

Constants:

Instruments	Compon.	Free Period (sec.)		Magnification
		Pendulum	Galvanometer	
Benioff- Variable Reluctance	Z,N,E	1.0	0.75	50000 at 1.0 sec.
Sprengnether	Z,N,E	15.0	100	3000 at 15.0 sec.

Abbreviations:

T - Wave period in seconds

Mu - Ground displacement in millinicans

Epicenter data - Generally from USCGS

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.	
1	iP	14	25	49.2C	12	ePKP	11	48	5(5)	
		37.5N;22.1E Southern Greece Magn=5.3 h=17				ePP		52	00	
						ePKS		52	44	
1	eP	17	08	51		23.1S;170.6E Loyalty Is. reg. Magn=6.1 h=49				
	eS		09	43						
2	eP	10	46	(31)	13	eP	20	25	57	
	eS		50	47		38.9N;40.6E. Turkey Magn=4.5, h=33				
	12.9N;50.9E. Eastern Gulf of Aden h=33 Magn=4.8					iPKP	23	13	50.6	
	eS	11	21	42		24.1S;175.4W South Tonga Is. Magn=5.5 h=46				
	27.7N;52.4E Southern Iran Magn=5.0, h=33					iP	23	57	51.5	
	eP	15	15	(05)		9.4N;126.2E. Mindano P.Is. Magn=5.3 h=70				
	eS		16	22						
3	eP	01	28	0(8)	14	eP	23	32	50	
	eS			28		ePP		37	07	
						eSKS		43	26	
4	iP	04	46	45.8D		60.1S;27.0W. South Sandwich Is. reg. Magn=6.2, h=33				
	T=1.1, Mu=43					15	ePKP	04	26	55
	12.2N;93.1E Andaman Is. reg. Magn=5.4, h=33					23.6S;175.8W. Tonga Is. reg. Magn=5.3 h=67				
5	iPKP	00	27	31.5D		iP	08	03	22.3	
	T=0.7, Mu=93					T=1.0 Mu=30				
	21.7S;176.4W. Fiji Is. reg. Magn=4.7 h=212					8.1S;117.0E Sumbawa Is. reg. Magn=5.2 h=181				
	e(P)	05	21	42		eP	11	52	42	
	e(S)		22	00		eS		54	23	
	eP	22	37	1(6)		34.8N;24.3E. Crete Magn=4.5, h=72				
	eS		39	38		eP	12	06	07	
	38.5N;21.9E Greece Magn=4.3, h=33					ePP		10	25	
6	eP	02	33	02		eSKS		16	39	
	eS			19		60.3S;26.7W. South of Sandwich Is. reg. Magn=5.7, h=33				
	eP	12	34	02		eS	14	32	19	
	eS		35	29		iP	17	22	27.5C	
	36.7N;26.6E Dodecanese Is. Magn=4.6 h=161					T=1.4, Mu=90				
7	iP	12	24	17.9C		ePP		25	28	
8	iP	20	13	15.7		eS		32	08	
	iS			21.5		eSS		37	32	
	iP	21	28	51.4		22.8N;121.4E Taiwan reg. Magn=5.5, h=47				
	ePP		32	27		eP	19	24	44	
	eS		39	19		eS		26	10	
	2.4N;128.4E. Halmahera Magn=6.9, h=96					35.2N;26.5E. Crete Magn=4.0, h=51				
	iPKP	21	37	04.0		17	ePKP	20	37	21
	21.7S;176.3W Fiji Is. reg. Magn=5.7 h=80					27.7S;176.6W. Kermadec Is. Magn=5.2, h=37				
1	iP	22	08	06.2C		iPKP	21	24	52.8D	
	T=0.9; Mu=47					T=0.9, Mu=84				
	45.4N;150.5E. Kurile Is. Magn=5.6 h=32					20.7S;176W. Fiji Is. reg. Magn=4.6, h=220				
9	eP	10	00	3(3)		18	eP	01	39	19
	eS		01	30		eS		41	12	
	eP	20	47	14		eP	05	34	40	
	eS		51	(35)		42.3N;142.8E. Hokkaido, Japan Magn=5.1 h=73				
	14.7N;52.3E Eastern Gulf of Aden Magn=4.9 h=28					iP	14	26	01.3	
10	September-until 12 September 0650 Disorders in timing System.					22.6N;102.1E Yunnan Prov. China Magn=5.4 h=33				

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
18	iP eS	20	47 51	50.6 12	25	iP	20	32	02.9C
					27.8N;54.3E. Southern Iran Magn=6.2 h=16				
19	eP eS	02	05 08	50 14	26	eP	00	01	21
					38.4N;42.7E. Turkey Magn=4.9, h=35				
	iP	05	13	20.5		ePKP	03	55	34
					23.9N;97.6E Burma-China Border reg. Magn=5.1, h=15				
	iPKP	07	20	55.0		eP	04	34	27
					T=1.0, Mu=150				
	2C	7S	178.4W	Fiji Is. reg. Magn=5.3, h=580		eP	05	19	49
						ePP		21	48
						eS		26	58
20	ePKP	17	51	48					
					28.0S;176.6W. Kermadec Is. Magn=5.1 h=68				
	eP	20	45	09		eP	14	12	33
					44.7N;150.4E Kurile Is. reg Magn=4.7, h=45				
	iP	23	46	54.0	27	iP	03	21	(58)
					T=1.0 Mu=26				
						eS		22	07
					24.1N;97.6E Burma China Border reg. Magn=5.2, h=28				
21	iP	13	57	40.5C		eP	10	57	22
					Local				
						eS		59	1(8)
22	iP	00	16	48.2C	28	iP	14	09	59.2D
					T=1.0, Mu=26				
					52.6N;159.5E off east coast of Kamchatka Magn=5.2, h=61				
	eS	05	26	1(7)	29	eP	00	57	(13)
	eP	07	54	58		eS		58	08
	eS		56	21		iPKP	03	03	41.1
	eP	22	04	21		T=1.5, Mu=340			
					26.2N;104.4E Eastern China Magn=5.3 h=9				
	eS	21	34	41		eP	04	46	34
	iPKP	21	55	06.5		eP	17	48	3(1)
					17.0S;172.8W Samoa Is. reg. Magn=4.4 h=10				
23	eP	01	42	16	30	iP	06	05	17
					T=1.9, Mu=200				
	eS		52	40		Uzbekistan			
					44.7N;150.3E Kurile Is. Magn=5.2, h=34				
	eP	07	39	12		eS	14	39	47
	eS		41	03					
					35.1N;24.2E. Crete h=139				
	iP	20	42	43.2D					
					34.2N;27.2E Eastern Mediterranean Sea. h=178				
24	eP	03	11	28					
	eS		12	50					
25	iP	03	12	15.6D					
					T=0.8, Mu=76				
	eS		13	34					

E. Arieh
Chief of Seismological Lab.

25 APR 1968

MINISTRY OF DEVELOPMENT
Geological Survey - Jerusalem
Division of Quaternary and Recent Geology
Seismological Laboratory

Address:

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Geography Building, Hebrew University Campus
Jerusalem, Israel.

JERUSALEM SEISMOLOGICAL BULLETIN

Coordinates: Lat, 31° 46' 19"N; Long: 35° 11' 50"E.

Elevation : 770 Metres.

Lithologic Foundation: Upper Cretaceous Dolomite.

Instruments: World-Wide Standardised Seismograph System

Constants:

Instruments	Compon	Free Period (sec.)		Magnification
		Pendulum	Galvanometer	
Benioff Variable	Z,N,E	1.0	0.75	50000 at 1.0 sec.
Sprengnether	Z,N,E	15.0	100	3000 at 15.0 sec.

Abbreviations:

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- Epicerter data - Generally from USCGS

October
1966
1

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
2	iP 24.4N; 94.8E Burma India border reg. Magn=5.2 h=65	04	40	57.1	8	iPkP 16.5S; 177.5W Fiji Is. Reg. Magn 4.9 h=57	02	53	56.5
	eP 51-6N; 174.5W Andreanof Is. Aleution Is. Magn=5.1 h=34	07	36	35		iP 156.6S; 177.8W Fiji Is. Region Magn=4.8 h=420	04	15	10.7
	ePP 45.7N; 26.5E Roumania Magn=5.3 h=140	40	08			eS	16	49	
	iP eS	11	25	18.1	9	iPkP 17.8S; 178.2W Fiji Is. Region Magn=4.8 h = 639	15	02	47.2
	eP eS	20	46	25		ePP	02	25	09
			47	38		eS	06	09	50
4	i ePkP 26.1S; 179.4E South of Fiji Is. Magn=5.3 h=486	15	01	14.7		eS		13	35
		23	56	27		iP	06	53	10.3
5	eP .1N; 30.0E Republic of the Congo. Magn=5.4 h=33	08	41	07		ePP			40
	iPkP iPkP ₂ 20.2S; 175.6W Tonga Is. Magn=4.5 h=196	10	25	37.7	10	eS	56	49	
	eP eS	12	07	50			12.6N; 30.8E Sudan Magn=5.1 h=11		
			08	38	11	iP	10	32	53.3
6	iP eS	13	39	05.2		eS		36	35
			40	24			12.6N; 31.1E Sudan Magn 4.2 h=44		
7	iPkP ePP iSkP SkS SkkS 216S; 170.5E Loyalty Is. Reg. Magn=6.4 h=161	16	14	11.5	11	iP	09	58	03.5
	iP i	21	08	36.5		eS		59	20
	61.6N; 150.1W southern Alaska Magn=5.7 h=56			53			15.9S; 172.7W Samoa Is. Reg. Magn=4.6 h=33		
8	ePkP 16.4S; 177.6W Fiji Is. Reg. Magn=5.7 h=33	00	31	58	12	iPkP	00	18	13.0
	iPkP 19.4S; 175.4W Tonga Is. Magn=5.0 h=241	02	41	21.6		ePkP ₂			23
						ePP	21	35	
							15.9S; 172.7W Samoa Is. Reg. Magn=4.6 h=33		
						iP	10	16	18.6
							28.0N; 103.8E Szechwon Province China Magn=4.7 h=31		
						iPkP	21	00	30.5
							32.6S; 178.7W South of Kermadic Is. Magn=5.1 h=33		
						iP	00	19	53.5
						eS		30	29
							11.9S; 121.8E South of Timor Magn=5.7 h=33		
						eP	01	55	3(5)
							44.8N; 111.3W Hebgen Lake Region h=33		
						iPkP	04	42	09.5
							31.2S; 177.8W Kermadic Is. Magn=5.2 h=14		
						iP	11	02	54.6

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
13	eP iS 36.2N; 27.9E Magn=4.4 h=46	01	25	48	17	Magn=4.9 h=8 ePkp 22.3S; 179.1E Is. Magn=5.0 h=635			
	iP 59.5N; 145.2W Magn=5.0 h=10	02	28	42.2		eP iPkp ePP eSkkS 10.7S; 78.7W Near coast of Peru h=38	18	38	42
	iP 22 38 55.7 iS 40 18.5	22	38	55.7		21 56 53 22 00 37.5 01 37 08 44			
14	iP T=1.6 Mu=20 iPP eS 36.4N; 87.5E prov. China Magn=5.2 h=24	01	12	45.3	18	iPkp 23.2S; 179.3 Is. Magn=4.8 h=520	04	21	53.9
	ePkp 15.15; 173.5W Magn=4.8 h=33	02	52	19		iP 07 25 18.2 Local			
	iP 12 32 09.7	12	32	09.7		iP 11 57 28.5 eS 53 06 iP 20 48 46 24.3N; 94.8E border region Magn=5.2 h=86			
15	iP 13.0N; 50.5E Aden Magn=4.7 h=33	06	59	28.4		ePkp 15.2S; 174.0W Tonga Is. Magn=5.5 h=62	22	47	12
	iP eS 45.7N; 26.3E Rumania Magn= 4.8 h=120	07	02	51.5	19	iP 04 05 08.3 T=0.8 Mu=50 Eastern Kazakh SSR Underground Explosion Magn=5.6 h=0			
	iPkp 18.0S; 178.4W Magn=4.8 h=576	08	49	30.2		iP 08 11 28.5 ePP 13 40 ePPP 14 58 eS 19 50 1.6S; 15.5W North of Ascension Magn=6 $\frac{3}{4}$ h=33			
	e ePkp 23.6S; 175.4W Magn=4.6 h=48	09	30	22		eP 19 48 53 51.2N; 159.1E off east coast of Kamchatka Magn=4.6 h=34			
	e 22 59 15	22	59	15		eP 01 00 43 ePP 02 16 33.6N; 78.5E Kashmir Tibet border reg. Magn=5.0 h=27			
16	iP eS	13	15	24.0 44.5	20	iPkp 13 54 53.5 e 58 10 15.5S; 167.7E New Hebrides Is. Magn=4.8 h=139			
17	ePkp 23.5S; 180.0E Is. Magn=5.1 h=49.7	07	48	57		16 20 10 39.6N; 22.1E Greece Magn=4.7 h=33			
	ePkp ePP 11.0S; 166.7E Santa Cruz Is. Magn=5.5 h=55	10	34	53 37 09	21	eP 16 20 10 39.6N; 22.1E Greece Magn=4.7 h=33			
	iPkp 21.0S; 175.4W Tonga Is.	15	00	36.2	24	eP 14 35 58			

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
24	37.7N;59.0E Iran USSR border reg. Magn=5.0 h=33				30	iP iS	17	39	08.9 16.5
25	eP 36.8N;138.2E Honshu, Japan Magn=5.2 h=28	18	16	25	ePkp 31.3S; 179.3W Kermadic Is. Magn=4.4 h=213	22	42	14	
26	eP eS 35.1N; 27.0E Dodecanes Is. h=36	19	33 34	17C 40					
27	eP ePP 73.4N; 54.8E Novaya Zemzya Magn6.3 h=0 Underground Explosion	06	06 07	00 42					
	eP ePP eS ePPS 22.2N; 145.9E North Pacific Ocean Magn=6.0 h=29	T=1.2	14 Mu=11 34 38 45 47	25D 17 14 05					
	eP T=1.0 Mu=50 41.7N; 141.9E Hokkaido, Japan region Magn=5.3 h=71	23	58	57C					
28	e eP 35.8N; 140.0E Near S coast of Honshu, Japan Magn=4.8 h=83	02 13	00 32	17 47					
29	e eP eS 39.2N;21.2E Greece Magn=5.7 h=20	00 02	53 42 44	25 35C 58					
	eP eS eP eP eS 34.8N; 27.8E Eastern Mediterr- anean Sea Magn=4.9 h=59	04 09 12	14 05 14 16	06 36 17 46 04					
	iP 41.8N; 144.1E Hokkaido, Japan Region Magn=5.0 h=41	14	44	59.5					
30	eP eS 39.0N; 21.8E Greece Magn=4.5 h=33	02	13 15	20 4(2)					
	e	05	25	05					

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Instruments	Compon	Free Period (sec.)		Magnification
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Date	Phase	G.	S.	T.	Date	Phase	G.	S.	T.
1	eP	07	13	02					
	ePP		16	07		h=390 M=4.7			
	43.2N; 143E Hokkaido Japan					iP	20	23	37.0
	reg. h=127 M=4.8					iS		24	57.0
	iP	22	24	43.2	12	iP	13	32	02.5
	eS		26	42		ePP		05	11.5
	35.1N; 23.8E; Crete h=70 M=5.0					eS		12	18
2	eP	19	05	10		iPkP	19	04	14.5
	eS		05	50		iPP		06	52.5
	eP	21	41	0(4)		iPkS		07	45.5
	eS		42	53		15.6S; 167E New Hebrides Is.			
	eS	22	06	20		h=40 M=5.3			
3	eP	03	16	2(2)	13	iP	03	04	32.10
	e(S)		22	5(1)		T=1.1 Mu=90			
	eS	06	04	43		17.1N; 61.9W Leeward Is.			
	eP	13	19	48.2		h=65 M=5.5			
	e(S)		20	51		iP	15	05	31.5
	eP	16	37	130		eS		07	24
	ePP		41	08		34.3N; 23.2E Crete h=33 M=4.6			
	eS		45	07	14	i	03	19	06.6
	19.2N; 67.9W Mona Passage					eP	22	56	56
	h=22 M=5.6					eS		58	47
	eP	21	49	59		eP	10	20	24
	6.5N; 60.5E Carlsberg ridj					Local			
	h=33 M=4.8					eP	12	50	48
5	ePkP	13	04	5(8)		eS		52	20
	15.3S; 175.2W Tonya Is.					eP	16	29	33
	h=38 M=5.3					eS		31	23
6	eP	06	50	0(7)	15	e	14	35	13
	eS		50	49		iP	16	32	16.5
	ePkP	15	01	57		51.2N; 176.6W Andreande Is.			
	17.9S; 178.5W Fiji Is.					Aleutian h=48 M=5.0			
	Region h=548 M=4.8				16	eP	02	40	51
7	iP	09	08	26.9		eS		42	10
	7.1N; 125.4E Mindano Philippine					eP	20	56	33
	Is. h=83 M=5.0					46.6N 153.7E Kurile Is.			
	eP	14	07	53		h=33 M=4.8			
	eS			54.5		ePkP	23	15	01
	ePkP	17	57	24		33.5 S; 179.5W South of			
	iPkP			28.0		Kermadec Is. h=33 M=4.8			
	15.1S; 173.6W Tonga Islands					eP	23	16	09
	h=43 M=5.0					52.6N; 167.5W Foz Is.			
						Aleutian Is. h=33 M=4.9			
8	eP	03	17	31	10	ePkP	09	31	42
	eS		20	(07)		36.3S; 100.7W Southern Pacific			
	36.1N; 50.9E Iran h=23 M=5.0					Ocean h=33 M=5.1			
9	eP	15	15	43		eP	18	56	53
	eS		10	1(1)		73.4N; 6.8E Greenland sea			
	39.2N; 20.6E Greece-Albania					h=33 M=4.9			
	border region h=30 M=5.2					eS	22	59	40
						Local			
11	eS	11	30	12	19	iP	05	32	14.4
	iP	15	44	19.0		37.6N; 141.3E Near East coast of			
	52.3N; 169.1W Fox Is.					Honshu Japan h=67 M=5.1			
	Aleutian Is. h=38 M=5.4					iP	07	15	03.5
	iP	16	15	48.5		eS		16	47
	50.3N; 155.1E Kurile Is.					35.0N; 23.5E Crete h=33 M=5.3			
	h=145 M=4.9					eP	07	43	15
	iP	18	16	11.2		40.5N; 142.7E Near East Coast of			
	iS			17.9		Honshu Japan h=33 M=4.3			
	iPkP	18	16	44.6	20	iP	09	43	06.5
	17.5S; 177.2W Fiji Is. Region								

Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
T=1 Mu=30									
51.21N; 176.6W Andreane Is. Aleutian Is. h=54 M=5.1					29	eP	01	25	51
	ePkP	17	07	33		eS		27	16
55.1S; 129.4W South Pacific Cordillera h=33 M=4.9						iPkP	08	19	10.7
	eP	03	48	23.5		15.9S; 176.8W Fiji Is. Region h=370 M=4.6			
21	iP	12	31	54.0		eP	09	32	15
	eS		49	40		9.8S; 90.6E South of Indian Sea h=33			
46.7N; 152.5E Kurile Is. h=40 M=5.6						eP	15	37	02
	iP	13	53	15.00		iS			44.5
			Local			ePkP	22	36	31.5
						ePP		37	13
						14.7S; 167.4E New Hebrides Is. h=161 M=5.2			
21	eP	13	59	5(2)	30	iP	02	23	11.5
34.4N; 116.7W Southern California h=16 M=4.1						eS		25	05
22	iP	06	41	15.5		34.3N; 23.2E Crete h=33			
	i		42	56.5		eP	02	26	29
	iS		50	40.8		eS		23	22
48.2N; 146.7E Sea of Okhotsk h=453 M=5.6						eS	04	58	00
	eP	12	59	27		eP	09	48	2(2)
			Local			eS		49	41
						iP	13	08	49.6
						73.4N; 7.0E Greenland Sea h=33 M=4.8			
23	iPkP	02	38	27.5		iP	17	17	10.5
	ePP		41	00		iS			40.5
	ePkS		41	53		eS	18	14	37
14.9S; 166.9E New Hebrides Is. h=48 M=5.6						eP	22	29	46
	ePkP	18	36	53	ELI ARIEH				
20.1S; 177.7W Fiji Is. Region h=465 M=4.2					Chief Seismological Laboratories				
	eS	19	21	11					
	eS	19	34	26					
24	ePkP	07	51	47					
30.6S; 177.9W Kermadic Is. Region h=11 M=5.0									
25	eS	05	04	43					
26	eP	00	12	(08)					
	eS		14	37					
	iP	03	16	07.5					
	eS			17					
	eP	13	54	04					
37.7N; 58.6E Iran USSR Border Region h=29 M=4.9									
27	iP	00	43	18.5					
	eS		44	41					
	eP	04	28	28					
60.0N; 146.4W h=11 M=4.3									
	i	17	30	03.5					
	iP	20	21	43.8					
	ePkP		23	13					
	ePP		23	30					
	eS		28	49					
78.5N; 64E Svalbard Region h=33 M=5.6									
28	e	12	05	34					
	iP	20	42	32.0					
	eS		43	28					

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Date	Phase	G.	C.	T.	Date	Phase	G.	C.	T.
1	iP	00	45	20.5		ePS		35	14
	1N;125.6E	Molucca passage				14.3N;92.0W	Guataemala		
	M=5-3	h=123					h=70		
	iP	03	32	52.5		iP	14	01	48.5
	eS		33	5(2)		eS		03	13
	ePkp	05	16	01		eP	17	10	49D
	ePP		18	30		eS		12	32
	eSkS		23	05		41.0N;33.5E	Turkey		
	eSkkS		25	13		M=4.9	h=13		
	14.0S;167.1E	New HEBRIDES				ePkp	18	26	(40)
	Is. M=G.1	h=132				36.S; 145.4E	Near North Coast of Guinea M=5.7		
	eP	20	14	20			h=33		
	eS		16	1(3)					
	iP	23	39	56.5		eP	22	01	2(5)
	eS		41	19		eS		02	24
2	eP	01	42	09	11	eP	01	28	5(9)
	eP	03	11	46		eS		29	47
	eS		14	33	12	eP	02	31	2(3)
	28.2N;53.2E	Southern Iran				e(3)		32	4(6)
	M=5.2	h=40			13	eP	02	31	21
	eP	09	44	14		iS		32	45.5
	3.2N; 128.1E	North of Halnapera M=5-8 h=92				iP	12	27	07.6
	iP	18	39	22.5		37.3N; 71.9E	Afghanistan USSR Border region M=5.3		
	eS		40	41			h=126		
3	ePkp	14	32	12	14	iP	13	50	65.3
	iPkp			16.0		iP	07	50	42.5
	iPP		34	14.3		iP	14	53	32.7
	24.7S;179.9E	South of Fiji Is. M=5.1 h=492				eS		56	30
	eP	22	27	3(9)		45.6N;26.4E	Roumania M=4.8 h=158		
	iS		28	16.5					
4	eP	02	45	53		eP	19	28	(21)
	eS		47	22		eS		30	21
	iPkp	18	21	59.5		eP	20	32	31
	15.3S; 173.2W	Tonga Is. M=4.9 h=21				eS		34	51
						eP	21	22	(11)
7	eP	17	30	16.5		ePkp		26	13
	ePP		33	39		ePP		26	45
	eS		40	45		eSkS		33	15
	44.3N;151.7E	Kurite Is. Region M=5.6 h=26				4.8S;143.9E	New Guinea M=6.0 h=74		
8	eP	04	40	54	15	iP	02	17	16.5
	eS		41	41		21.7N;94.5E	M=5.7 h=81		
	eP	11	35	11		eP	03	42	20
						eS		43	04
9	iP	13 _{Local}	26	13	16	eS	04	37	40
	iP	13	36	51.0		eP	13	10	3(9)
	eS			57		eS		12	33
	iP	13 _{Local}	41	50.0		eP	15	47	43
						eS		49	01
	iP	13	49	07.3D		eP	20	59	45
	eP	19	38	30		ePP		01	20
	eS		40	06		eS		05	47
						29.6N;81.0E	Nepal M=5.9 h=9		
10	iP	20	13	22.5	18	iP	07	44	08.5
	eS		14	49.5		eS		45	32
	eP	13	21	09		35.1N;27.1E	Dodicanesse Is M=4.7 h=33		
	ePkp		25	06					
	ePP		25	45		eS	13	10	25



			T.	Date	Phase	G.	C.	T. -
19	eP	00	35	23				
	eS		36	40				
	eP	02	49	43				
	eS		50	59				
20	e	19	01	54				
	e		03	50				
21	eP	09	10	5(6)				
	ePP		14	09				
	20.0S;169.7E New Hebrides Is. M=5.6 h=245							
	eP	12	05	08				
	iP	22	18	29.2				
	29.4N; 81.0E Nepal India border Region M=5.4 h=31							
22	eS	12	59	56				
	iP	19	36	27.5				
	48.6N;154.3E Kwute Is. M=5.2 h=77							
23	eP	01	29	55				
	17.95;178.6W Fiji Is. Region M=5.0 h=575							
	eP	16	05	66				
	eP		08	57				
	ePP		09	52				
	ePS		19	21				
	7.1S;148.3E East New Guinea Region M=6.4 h=4.3							
24	iP	22	41	42.6				
	59.9N;153.4W Southern Alaska M=5.1 h=113							
25	eP	05	48	63				
	14.1N;53.8E Arabian Sea M=5.2 h=33							
	iP	19	53	20.0				
	eS		54	36.5				
	35.1N;28.6E Eastern Mediter- ranean M=4.6 h=46							
26	eP	04	23	6(4)				
	eS		25	06				
	38.7N;40.9E Turkey M=4.8 h=55							
27	iP	01	34	36.5				
	37.1N;141.0E Honshou Japan M=5.0 h=60							
	eP	21	46	59				
	21.3S;175.6W Tonya Is. M=5.0 h=14							
28	eP	08	33	62				
	eP		36	51				
	ePP		37	46				
	ePPP		39	58				
	25.5S;70.5W Near coast of Northern Chile h=47							
29	eP	07	42	44				
	eS		43	47				
	35.9N;30.5E Eastern Mediter- ranean Sea M=4.6 h=63							
	eP	12	16	16				
	32.6S;111.8W Eastern Is. Corrdilera h=33							
	eP	22	36	11				
	32.8S;111.7W Eastern Is. Corrdilera M=5.4 h=33							

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