

14 JUN 1971

Ministry of Development
The Geological Survey of Israel
Seismological Laboratory

Address: Seismological Laboratory
Hebrew University Campus
Jerusalem

MONTHLY SEISMOLOGICAL BULLETIN
JUNE 1968

Coordinates: Lat. $31^{\circ}46'19''$ N; Long: $35^{\circ}11'50''$ E; Elev.: 770 m.
Litholog. Foundation: Upper Cretaceous Dolomite; Instr.: WWSSS

Date	Phase	G.M.T.		Date	Phase	G.M.T.			
1	iP	04	32	13.5	3	eP	00	47	41
	eS		33	30	iS			48	57.5
	iP	10	44	04.5 C	eP	08	44	25	
	ePP		47	14	35.8N; 141.2E Near East Coast of Honshu-Japan				
	40.1N; 142.2E Near East Coast of Honshu-Japan.				M=4.6	h=56			
	h=50 M=5.4				iP	10	42	43.8 C	
	ePKP	11	42	29	eS		44	01	
	30.9S; 177.6W Kermadec Is.				35.3N; 28.0E Eastern Mediterranean Sea				
	M=4.5 h=33				M=4.4	h=20			
	2	iPKP	01	30	00	iP	14	28	25.0
18.4S; 177.7W				45.6N; 148.3 E Kurile Is.					
M=4.3 h=558				M=5.4	h=160				
iP		06	40	31.5	iP	14	45	46.0	
44.2N; 147.1E Kurile Is.				eS		46	5(3)		
M=4.9 h=31				eP	01	47	30		
eP		07	28	28	4	eP	06	52	47.5
eS			29	43	eS		55	06	
ePKP		08	37	29	32.6N; 48.2E Western Iran				
8.0S; 158.6E Solomon Is.				M=5.2	h=20				
M=5.6 h=35				eP	17	26	52		
eP	11	55	38	41.1N; 143.3E					
eS		56	55	M=4.4 h=33					

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Date	Phase	G.M.T.			Date	Phase	G.M.T.		
4	iP	20	18	34.5	8	ePKP	00	35	33.5
	iS		19	36.5		8.7S; 157.5E Solomon Is. M=5.4 h=33			
5	ePKP	12	11	12	8	eP	00	51	02
	12.8S; 111.8 W Northern Eastern I. Cordillera M=5.1 h=33					eP	00	51	02
	eP	13	01	55		87.0N; 51.2E North of Franz Josef Land M=5.3 h=33			
6	11.0N; 122.2E Panay, Philippine Is. M=5.1 h=33				8	eP	02	56	58
	ePKP	13	02	50		40.5N; 143.6E Off East Coast of Honshu-Japan			
	41.8S; 171.9E South Is.- New Zealand. M=5.2 h=66					iP	05	42	08.30
6	iP	19	56	00	8	eS		52	24
	14.8N; 119.9E Luzon Philippine Is. M=5.4 h=80					43.4N; 147.0E Kurile Is. M=5.3 h=43			
	eP	21	29	29		iP	06	40	56.5
7	41.3N; 142.5E Hokkaido-Japan Region M=5.3 h=37				8	eS		42	14.5
	eP	12	10	14		iP	07	38	13.5
	e		11	45		eS		39	31
7	iPP		13	43.9	8	iP	21	00	16.0
	eS		20	44		26.3N; 24.4E North East Taiwan M=5.0 h=160			
	ePPS		21	57		iP	21	06	59.0
7	1.8S; 120.1E Celebes M=7 h=20				8	41.4N; 142.2E Hokkaido - Japan Region M=5.2 h=30			
	ePKP	18	42	29		eP	23	36	15
	17.0S; 176.5W Fiji Is. Region M=4.6 h=72					ePP		39	23
7	eP	21	43	41	8	eS		46	30
	eS		54	14		eSS		51	34
	2.1S; 120.5E Celebes M=6.2 h=23					47.7S; 31.5E South of Africa M=5.6 h=33			
7	iP	23	36	39.4	9	eP	00	59	19
	iS		37	56.5		38.9N; 46.0E N.W. Iran USSR Border Region M=5.0 h=50			

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Date	Phase	G.M.T.			Date	Phase	G.M.T.		
9	ePKP	02	55	04	12	eP	20	25	37
	16.6S; 177.9 W	Fiji Is. Region				39.3N; 143.0E, Near East	Coast of Honshu-Japan		
	M=3.8	h=521				M=4.4	h=33		
	eP	04	23	22		iP	22	10	03
	6.4N; 95.2E	Nicobar Is. Reg.				ePP	13 22		
	M=4.2	h=33				eS	20 18		
	ePKP	22	21	44		39.2N; 142.7E, Near East	Coast of Honshu-Japan		
	31.2S; 177.8W	Kermadec Is.				M=5.7	h=36		
	M=5.0	h=33							
11	eP	06	11	3(6)		iP	23	38	22.8
	38.5N; 43.0E	Turkey				ipP	39 04.5		
	M=4.7	h=33				eS	48 14		
	eP	10	35	51		13.8N; 120.6E, Mindoro	Philippine Is.		
	5.8S; 103.9E	Southern Sumatra				M=5.0	h=140		
	M=5.4	h=60							
12	iP	04	38	14.4C	13	eP	02	18	06
	24.8N; 91.9E	India-East				ePP	21 20		
	Pakistan Border Region					39.4N; 142.8E, Near East	Coast of Honshu-Japan		
	M=5.3	h=44				M=5.0	h=25		
	eP	09	04	46		iP	12	08	46.5
	eS	08		0(3)		eS	19 04		
	35.3N; 27.9E	Eastern				39.1N; 142.9E, Near East	Coast of Honshu-Japan		
	Mediterranean Sea					M=5.3	h=33		
	M=4.0	h=33							
	iP	13	54	11.0		iP	15	08	46.5
	eS	14	04	34		39.4N; 142.8E, Near East	Coast of Honshu-Japan		
	39.4N; 142.7E	Near East Coast				M=5.1	h=20		
	of Honshu-Japan								
	M=6.0	h=44							
	iP	16	01	22.8		eP	15	43	42
	39.2N; 143.0E	Near East Coast				24.6N; 66.3E, West Pakistan			
	of Honshu-Japan					M=5.1	h=33		
	M=5.1	h=30							
	iP	18	04	24.5		eP	21	22	58.0
	39.1N; 142.9E, Near East Coast	of Honshu-Japan				39.3N; 142.9E, After-shock	Honshu-Japan		
	M=5.5	h=30				M=5.2	h=29		

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Date	Phase	G.M.T.			Date	Phase	G.M.T.		
13	eP	23	07	1(6)	14	eP	23	15	33
	29.7N; 51.4E, Southern Iran					51.6N; 159.3E, Off East Coast of Kamchatka			
	M=5.0	h=33			M=4.9	h=33			
14	eP	01	09	07		iPKP	23	21	18
	38.5N; 143.1E, Off East Coast of Honshu-Japan					15.7S; 172.7W, Samoa Is. Reg. M=5.0 h=33			
	M=4.2	h=33							
	iP	03	30	39.5	15	iP	03	43	41.5
	eS	40 56			39.3N; 142.8E Near East Coast of Honshu-Japan				
	39.3N; 142.8E, After-shock Honshu-Japan					M=5.4 h=25			
	M=5.0	h=38							
	iP	12	05	01.3		iP	06	10	46.0
	39.3N; 142.8E, After-shock Honshu-Japan					26.9N; 126.4E East China Sea			
	M=5.4	h=37			M=5.7	h=88			
	iP	12	30	02.7		iP	11	39	59.0C
	45.1N; 153.5E, Kurile Is. Region					51.7N; 159.3E Off East Coast of Kamchatka			
	M=5.5	h=41			M=5.4	h=39			
	iPKP	13	08	41.0		iPKP	13	35	00
	15.7S; 172.9W, Samoa Is. Reg.					.2S; 91.1W Galapagos Is.			
	M=4.8	h=33			M=5.2	h=33			
	iP	13	36	05.3		ePKP	13	53	3(7)
	51.7N; 159.3, Off East Coast Kamchatka					18.2S; 167.9E			
	M=5.0	h=33			M=5.5	h=11			
	iPKP	19	22	59.8		e(P)	14	18	38
	41.9S; 171.8E, South Is. New Zealand					e			41
	M=5.3	h=25							
	iP	22	54	17.6		eP	20	05	23
	57.7N; 159.3E, Off East Coast of Kamchatka					41.8N; 142.6E Hokkaido Japan-Region			
	M=4.6	h=33			M=5.2	h=33			
					iP	21	57	27.2	
					Local				
				16	eP	00	51	20	
					.1S; 91.2W Galapagos Is.				
					M=5.0	h=30			

Date	Phase	G.M.T.		Date	Phase	G.M.T.	
16	ePP	04	07	26	iP	05	33
	.2S; 91.2W	Galapagos Is.			45.7N; 8.0E	Northern Italy	
	M=4.9	h=33			M=4.7	h=5.0	
	eP	05	08	3(4)	iP	11	19
	eS	19		02	eS	21	
	36.1S; 15.8W	Tristan da Chunha			37.9N; 23.4E	Greece	
	Region				M=4.3	h=178	
	M=5.1	h=33					
	iP	08	35	363			
	iS	36		34.5			
	36.8N; 34.4E	Turkey					
				19	eP	01	50
					39.4N; 142.9E	Near East	
					Coast of Honshu--Japan		
					M=4.9	h=33	
17	iP	12	05	16.4C	iP	05	13
	ePP	08		14	Local		
	eS	15		30			
	40.9N; 142.9E	Hokkaido--Japan			eP	08	28
	Region				ePKP	31	
	M=5.7	h=48			ePP	32	
					5.5S; 77.1W	Northern Peru	
	eP	17	08	39	M=6.4	h=28	
	40.1N; 143.7E	Off East Coast					
	of Honshu--Japan				iPKP	11	45
	M=5.2	h=60			30.7S; 177.8W	Kermadec Is.	
					M=4.7	h=33	
	iPKP	18	28	47.5			
	ePP	31		09	iPKP	20	17
	ePS	41		16	43.9S; 75.1W	Off Coast Of	
	ePPS	43		00	Southern Chile		
	12.3S; 166.6E	Santa Cruz Is.			M=5.7	h=24	
	M=5.5	h=33					
	iP	19	09	57.1	20	ePKP	02
	ePP	13		10	5.5S; 77.3W	Northern Peru	
	38.6N; 143.6E	Off East Coast			M=5.8	h=33	
	of Honshu--Japan						
	M=4.9	h=17			iP	20	38
					eS	24.5	
18	ePP	02	43	08	22	eP	01
	.2S; 91.5W	Galapagos Is.				24	55.5C
	M=4.7	h=33			ePP	28	
					eS	35	
					40.2N; 143.6E	Off East Coast	
					of Honshu--Japan		
					M=5.5	h=14	

Date	Phase	G.M.T.			Date	Phase	G.M.T.			
22	eP	16	00	06	27	iPKP	02	21	20.5	
	eS		02	35		iPP		23	37.5	
	29.6N; 51.4E Southern Iran					20.8S; 178.9W Fiji Is. Region				
	M=4.8	h=32				M=4.9	h=605			
23	IPKP	21	19	37.0	28	eP	22	22	30	
	17.9S; 178.1W Fiji Is. Region					6.0N; 120.8E Mindanao				
	M=4.6	h=650				Phillipine Is. Region				
						M=5.3	h=60			
23	iP	09	19	35.5	30	iP	22	49	19.3	
	eS		22	5(5)		ePP	09	53	22	
	29.8N; 51.1E Southern Iran						eS		59	54
	M=5.2	h=34					12.9N; 145.2E Mariana Is.			
				M=5.2	h=38					
24	eP	17	06	57						
	56.7N; 152.4W Kodiak Is. Reg.									
	M=4.9	h=33								
24	iP	09	53	36.2						
	eS		55	09						
	iP	12	10	36.30						
		Local								
25	eP	23	45	44						
	ePP		48	52						
	39.5N; 143.4E Off East Coast of Honshu-Japan				E. Arieh					
	M=5.3	h=16			Director,					
					Seismological Laboratory					
26	eP	01	57	35						
	29.8N; 51.0E Southern Iran									
	M=4.9	h=33								
	eP	08	52	23						
	iP	10	36	02.0						
	42.0N; 142.6E Hokkaido-Japan									
	M=4.9	h=33								
	ePKP	15	59	50						
	22.1S; 171.3E Loyalty Is. Reg.									
	M=5.6	h=90								

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MONTHLY SEISMOLOGICAL BULLETIN
JULY 1968

Coordinates: Lat. $31^{\circ}46'19''$ N; Long: $35^{\circ}11'50''$ E; Elev.: 770 m.

Litholog. Foundation: Upper Cretaceous Dolomite; Instr.: WSSS

Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
1	iP 47.9N; 48.0E	04	06	20.0		iP eS	21	50 52	31.4 D 40
1	iP ePP eS 35.9N; 139.2E M=5.9 h=6.7	10 11	57 00 07	27.0 C 31 36		iP eS 35.3N; 27.9E M=4.4 h=42	23	19 20	35.5 D 52
					5	eP ePP eS 38.5N; 142.0E Coast of Honshu-Japan M=5.9 h=121	11	40 43 50	32 42 48
2	eP ePKP ePP eSKS ePS 17.6N; 100.2W M=5.9 h=40	03 04	59 03	23 17 30 16 10					
	ePKP 29.7S; 177.9W M=5.6 h=53	04	50	36		eP ePP 9.7N; 126.4E Mindanao Philippine Is. M=5.1 h=24	17	36 39	37 18.3
					6	iP 09		14	39.5
	iP 26.0N; 128.5E M=5.1 h=33	22	24	31.0					
3	iP iS	23	17	28.5 35.5		eP 6.3S; 133.8E Aroe Is. Region M=5.7 h=26	19	46	4(4)
4	iP 34.8N; 139.7E Near S. Coast of Honshu-Japan	00	46	28.5	7	iPKP 41.8S; 171.9E South Is. New Zealand M=4.9 h=37	03	44	28.8
	iP eS	02	29 30	31.8 53		iPKP 22.1S; 175.0W Tonga Is. Reg. M=5.3 h=33	14	43	27.5
	iP	07	24	28.0					
	eP	16	46	36		eP 9.5N; 126.4E Mindanao Phillippine Is. M=5.1 h=69	21	46	43

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Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
8	eP	11	31	45	10	iP	11	28	51.8
						eS		38	58
	iPKP	12	28	06.7		36.8S; 78.5E	Mid. Indian rise		
	22.2S; 179.9W	South of Fiji Is.				M=6.1	h=33		
	M=4.9	h=622							
	iP	13	20	15.0		iP	20	52	52
	38.ON; 67.5E	Southern Uzbek SSR				ePP		56	02
	M=5.2	h=28				eS	21	03	08
						40.1N; 143.2E	Off East Coast of Honshu-Japan		
	iPKP	16	48	18.0		M=5.3	h=33		
	25.3S; 177.4W	South of Fiji Is.			11	iP	23	03	31.2
	M=4.4	h=140				eS			53
	iP	17	18	42.5					
	29.7N; 51.1E	Southern Iran			12	iP	00	57	00 C
	M=4.9	h=43				ePP		01	10
						eS		07	16
	iP	17	43	11.0		40.1N; 143.2E	Off East Coast of Honshu-Japan		
	34.4N; 25.1E	Crete				M=6.0	h=28		
	M=4.3	h=33							
	iP	17	59	59.7		eP	04	08	51
	eS	18	01	30		ePP		11	03
						eS		19	10
	eP	18	20	17		39.5N; 143.1E	Off East Coast of Honshu-Japan		
	eS		21	47		M=5.5	h=26		
	34.3N; 25.2E	Crete				eP	10	37	17
	M=4.3	h=33				29.7N; 50.6E	Southern Iran		
	eP	18	36	34		M=4.8	h=24		
	eS		38	04					
	34.3N; 25.1E	Crete				iPKP	11	49	15
	M=4.3	h=14				30.7S; 178.9E			
						M=4.8	h=545		
	iP	21	37	39.4					
	28.8N; 142.4E	Bonin Is. Reg.				iP	12	15	08.5
	M=5.3	h=33				49.6N; 78.1E	Eastern Kazakh SSR		
9	iP	15	02	51.0		M=5.4	h= <u>0</u>		
	iS		04	24.4					
	34.3N; 25.2E	Crete				eP	13	44	50
	M=4.6	h=21				38.5N; 41.2E	Turkey		
						M=4.3	h=33		
	iPKP	23	35	55					
	18.1S; 178.1W	Fiji Is. Region				iP	22	13	36.9
	M=4.1	h=658				48.ON; 154.5E	Kurile Is.		
						M=5.0	h=33		
10	eP	00	54	26					
	10.5N; 138.6E	West Caroline Is.			13	eP	19	35	52
	M=5.1	h=33				eS		37	08

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Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
13	iPKP	23	23	14.8	19	eP	06	17	19
	20.8S; 173.8W M=4.9 h=33	Tonga Is.				8.9 N; 93.7 E M=4.8 h=33	Nicobar Is. Reg.		
14	iPKP	23	36	34	20	iP	16	52	17.5
	18.3S; 174.9W M=4.7 h=230	Tonga Is.				8.7 N; 93.7 E M=5.1 h=8	Nicobar Is. Reg.		
15	ePKP	10	26	11	21	iPKP	01	48	54.5
	23.6S; 179.2 E M=4.4 h=552					21.8 S; 179.4 W M=4.6 h=600	Fiji Is. Reg.		
16	eP	20	44	43		i	10	10	19.0
	eS		46	05		eP	17	06	08
17	34.2 N; 26.4 E M=3.5 h=57	Crete			17	eS		08	00
	eP	05	37	35		30.0N; 50.8 E h=33	Iran		
18	eS		48	12	18	iP	17	15	44.0
	8.75 S; 125.0 E M=5.7 h=25	Timor				eS		17	02
19	eP	01	12	14	19	iP	20	05	16.0
	46.1 N; 153.0 E M=4.9 h=43	Kurile Is.				eS			24
20	iP	17	30	27.0	20	iP	21	13	40.0
	8.9 N; 93.9 E M=4.8 h=33	Nicobar Is. Reg.				49.6N; 147.8E M=4.9 h=576	Sea of Okhotsk		
21	iP	17	53	22.7	21	iP	05	22	20
	8.8 N; 93.8 E M=4.3 h=33	Nicobar Is. Reg.				54.6 S; 1.7 E M=5.6 h=33	Bouvet Is. Reg.		
22	eP	18	20	08	22	ePKP	18	17	52
	iP	22	03	09.5		ePP		20	40
23	eS			51	23	20.0S; 169.0 E Is. M=5.4 h=34	New Hebrides		
	eP	05	06	25		iP	18	21	42.0
24	ePP		08	50	24	39.9 N; 143.3 E Coast of Honshu-Japan M=4.8 h=25			
	eS		14	25		iP	23	14	58.0
25	8.6 N; 93.5 E M=5.3 h=33	Nicobar Is. Reg.			25	ePP		18	08
						40.2 N; 143.3 E M=5.2 h=14			

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Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
24	iPKP 15.4S; 173.2 W M=5.3 h=84	20	40	38.0	28	iP eS 55.4 N; 166.5 E Is. Region M=5.4 h=26	21	25 35	06.5 30
25	iPKP 21.3S; 174.5 W M=5.1 h=33	07	01	21.5	29	ePKP i ePP 22.4S; 174.9 W, Tonga Is. Region. M=5.6-6.0 h=33	11	31	47 54 34
	iPKP ePKS ePPP eSKKS 30.7 S; 178.3 W Reg. M=6.4 h=60	07	42	50.0		ePKP 22.4 S; 174.8 W, Tonga Is. Region. M=5.3 h=33	12	39	41
	iP 45.7 N; 146.7 E M=5.9 h=16	11	02	48.0		iPKP 25.2 S; 177.8 W M=4.5 h=205	15	33	30.3
	eP eS 40.9 N; 19.9 E M=4.5 h=22	22	09 11	04 4(4)		ePKP 21.4 S; 174.3 W Tonga Is. M=5.0 h=33	15	39	52
26	ePKP 14.3 N; 93.0 W M=4.9 h=14	06	53	16	30	iP eP ePP eS .2 S; 133.4 E West New Guinea Region M=6.1 h=12	15	53	27.5 50 48 18
	iP 22.3S; 12.6 W Ridge. M=5.3 h=33	17	18	41.9 C		iP eS 01 19 43.6 21 02			
	iPKP 31.1S; 177.9 W, Kermadec Is. M=4.6 h=12	22	05	59.0		iP eS 01 32 295 33 48			
27	iP eS 35.4 N; 27.8 E Rhodes Island M=5.7 h=20	02	47 48	32.0 50		iPKP 22.4 S; 175.0 W Tonga Is. Reg. M=5.3 h=33	04	30	06.5
	eP eS	02 03	58 00	49 05		eP ePKP ePS 6.9 S; 80.4 W Near Coast of Northern Peru M=5.8 - 6.4 h=37	20 58 21	53 58 08	40 22 16
	eP iS	07	49 51	05 17.5					
28	iPKP 22.4 S; 174.7 W M=5.0 h=33	11	18	21.0					

JER
July 1968

Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
31	eP	09	24	04					
	eS		27	16					
	37.8 N; 21.4 E Southern Greece								
	M=4.3 h=80								
	iP	19	31	09.7 C					
	eS		32	26					
	35.5 N; 28.0 E Eastern Mediterranean Sea								
	M=4.8 h=28								

David Shlossberg

Eliyahu Arieh
Director, Seismological
Laboratory.

Ministry of Development
 Geological Survey of Israel

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SEISMOLOGICAL BULLETIN

Jerusalem (JER): 31046' 19' N, 35°11'50" E; h=770m.

Lithological Foundation: Upper Cretaceous Dolomite; Instrumentation: WSSS

August 1968

Date	Phase	G.M.T.		Date	Phase	G.M.T.		
1	ePKP	00	33 50	4	iP	06 37	09.00	
	i		34 06.3		14.4N; 122.3E	Luzon		
	ePP		38 10		Philippine Is.			
	eSKKKS		45 15		M=5.9	h=40		
	eSKSP		48 42		eP	14 07	09	
	26.6S; 177.4W, South of Fiji Is.					eS	11 45	
	M=5.6, h=123				25.8N; 62.7E		Western Pakistan	
	eP	20	31 24.50		M=4.7	h=40		
	ePP		34 38		eP	19 31	18	
	eS		41 41			eS	41 15	
16.5N; 122.2E; Luzon Philippine Is.			16.3N; 122.4E; Luzon					
M=5.9, h=36			Philippine Is.					
2	iP	13	35 23.0	4	iP	11 54	05.50	
	eS		39 29		eS	12 04	43	
	27.5N; 60.9E, Southern Iran				6.6N; 126.7E			
	M=5.7 h=62				Mindanao			
	eP	14	21 32		Philippine Is.			
	ePKP		25 02		M=5.7	h=107		
16.5N; 97.6W, Mexico			iP	18 20	19.50			
M=6.3-7.1 h=40				iS	19 36.0			
3	iP	05	06 41.0	35.3N; 27.9E				
	ePP		09 50	Dodecanese Is.				
	ePPP		11 30	M=4.5	h=41			
	eS		16 44	eP	23 27	33		
	25.6N; 128.4E Ryukyu Is.				eS	29 29		
	M=6.4-6.7 h=18			37.7N; 20.7E		Ionian Sea		
			M=4.4	h=31				

Date	Phase	G.M.T.			Date	Phase	G.M.T.			
5	eP	08	34	47	10	iP	02	20	04.00	
	iP	16	29	04.0		iPP		23	37.0	
	ePP		32	04		eS		30	38	
	ePPP		33	50		1.4N; 126.2E, Molucca Passage				
	eS		38	58		M=6.3 - 7.6 h=33				
	eSS		43	47		iP	04	15	28.0	
	33.2N; 132.1E, Shikoku, Japan					1.3N; 126.4E, Molucca Passage				
M=6.1 h=41				M=5.3 h=33						
6	iP	03	28	29.7	11	eP	04	30	00	
	16.1N; 121.8E, Luzon Philippine Is.					eS		32	25	
	M=4.8, h=43					36.8 N; 43.0E, Iraq				
	iP	05	05	07.50		M=5.0 h=29				
	eS		15	10		iP	06	04	46.5	
	15.7N; 121.9E, Luzon Philippine Is.					1.4N; 126.1E, Molucca Passage				
M=5.2 h=49				M=6.2 h=33						
7	eP	08	39	50.5	11	iP	08	23	15	
	13.9N; 51.5E, Eastern Gulf of Aden					1.6N; 126.2E, Molucca Passage				
	M=4.9, h=33					M=5.6 h=33				
8	eP	00	05	20.5	11	iP	16	53	29.5	
	i(P)	02	12	28.00		15.5N; 121.5E, Luzon				
	Philippine Is.					M=5.2 h=33				
9	eP	02	54	24	11	iP	02	20	48	
	iP	05	07	34.5		11	eP	02	58	54
	ePP		10	48.5			eS		08	15
	36.3N; 141.4E, Near East Coast of						1.7N; 126.3E, Molucca Passage			
Honshu - Japan				M=5.3 h=33						
M=5.4 h=41										
9	iPKP	03	27	56.5	11	eP	04	50	43.0	
	ePP		31	56		11	eP	09	13	23D
	eSS		50	50			1.8N; 126.0E Molucca Passage			
22.4S; 113.0W, Easter Is. Reg.				M=5.2 h=33						
M=5.4-5.8 h=33										
9	iP	10	50	26.0	11	eP	15	20	52	
	43.4N; 147.1E Kurile Is.					1.7N; 126.3E Molucca Passage				
M=5.1 h=40				M=5.1 h=33						

Date	Phase	G.M.T.		Date	Phase	G.M.T.			
11	eP	20	13	15	iP	04	25		
	eSKS		24		0.5N; 119.9E Northern Celebes				
	eS		25		M=5.3 h=33				
	eSS		31						
	1.5N; 126.1E, Molucca Passage				iPKP	07	10	08.50	
	M=5.9-6.0		h=33	eSPKP		11	23		
12	iP	13	56		ePKS		14	45	
	1.6N; 126.2E Molucca Passage				ePPP		17	10	
	M=5.4		h=33		eSKKS		20	22	
					e(PPP)		23	46	
	iPKP	18	27		02.7	23.7S; 177.4W South of Fiji			
	31.4S; 177.8W, Kermadec Is.			Is. M=5.5 h=188					
	M=4.9-5.4		h=33	eP	19	53	43		
13	iP	03	05		49.2S; 8.0W, South Atlantic				
	1.9N; 126.2E Molucca Passage				Ridge				
	M=5.8		h=33		M=5.0		h=33		
	eP	04	42		51	eP	20	45	34
						49.2S; 8.0W South Atlantic			
	eP	19	54	24	Ridge				
	15.5S; 167.5E New Hebrides Is.			M=5.1		h=33			
	M=5.2		h=125	iP	21	38	37.20		
14	iP	08	08		0.0N; 120.0E Northern Celebes				
	ePP		11		52	M=4.7 - 53		h=33	
	eS		18		52				
	15.0N; 122.4E, Philippine Is.					iPKP	03	50	41.6
	Region.					21.7S; 179.5W Fiji Is. Region			
	M=5.4		h=8	M=4.6		h=625			
	eP	18	26	30	iP	10	51	44.10	
	iP	22	26	56.5D	ePP		54	58	
	ePP		30	20	eS	11	02	14	
	eS		37	31	38.5N; 143.3E, Off East Coast				
	0.1N; 119.7E Northern Celebes				of Honshu - Japan				
	M=6.0		h=23	M=5.3-5.6		h=22			
15	eP	02	31	31	ePKP	11	52	49	
	eS		32	51	i			52.0	
	35.2N; 26.7E Crete				ipPKP		55	19.5	
	M=4.8		h=67	21.0S; 179.2W Fiji Is. Region					
				iP	20	58	16.7		
				eS			23		

Date	Phase	G.M.T.		Date	Phase	G.M.T.			
17	iP	04	13 37.4	19	33.7N; 25.7E Eastern Mediterranean Sea				
	eS		24 05		M=4.9	h=33			
	ePPS		26 18		iPKP	16 01 58.5			
	eSS		30 34		i		02 03.2		
	1.3N; 126.3E, Molucca Passage				ePP		05 35		
	M=5.7 - 5.9		h=33		15.8S; 174.0W, Tongu Is.				
	iP	04	50 37.5		M=5.3	h=151			
	31.6N; 140.8E South fo Honshu-Japan				iP	17 15 00			
	M=5.3		h=82		11.8N; 125.6E Samar, Philippine Is.				
					M=5.3	h=33			
18	eP	05	57 58	20	eP	19 31 38			
	1.3N; 126.E, Molucca Passage				ePKP	03 34 50			
	M=5.4		h=33		i		55.5		
	eP	12	07 36		31.1S; 179.8 E, Kermadec Is.				
	eS		18 14		M=4.8	h=361			
	48.1N; 157.3E, Kurile Is. Region				21	eP	10 33 25		
	M=5.2		h=27			eS		34 14	
	eP	14	27 41			eP	12 17 13		
	26.4N; 90.5E, Eastern India					eS		18 06	
	eP	17	48 37			ePKP	18 16 39		
1.4N; 126.0E, Molucca Passage			i			45.0			
M=5.2		h=33	30.8; 179.0W, Kermadec Is.						
iPKP	18	27 40.5	M=5.3 - 6.4	h=33					
12.7S; 166.1E Santa Cruz Is.			22	eP		14 12 49			
M=5.2		h=34		ePP			16 20		
iPKP	18	56 31.5D		ePPP		18 20			
ePP		58 27		eS		23 20			
ePKS		59 57		53.ON; 171.0E Near Is.					
10.1S; 159.8E, Solomon Is.				Aleutian Is.					
M=6.2		h=537		M=5.4	h=33				
19	iP	00		42 19.5	iP	16 54 18.5D			
	46.3N; 6.9E Switzerland				52.7N; 171.0E Near Is.				
	M=4.3			h=33	Aleutian Is.				
				M=4.7	h=23				
	iP	15	37 50.0						
	eS		39 19						

Date	Phase	G.M.T.	Date	Phase	G.M.T.
28	15.5N; 122.0E Is. Region M=5.7 h=14	Philippine	31	iP 34.0N; 59.4E M=5.0 h=18	14 10 56.5 Iran
29	iP 01 48 28.0 15.3N; 121.8 E Phillipine Is. M=5.3 h=17	Luzon	iPKP 20 13 37 18.3S; 177.6 W M=5.0 h=379	Fiji Is. Region	
	iP 08 17 38 15.4N; 122.0E Is. Region	Phillippine			David Shlossberg
	iP 21 20 10.8C 15.8N; 121.7E Is. M=5.2 h=39	Luzon Philippine			E. Arieh Director, Seismological Laboratory.
30	iP 02 57 11.5 40.0N; 142.7E M=4.9 h=38	Near East Coast of Honshu - Japan			
	eP 06 31 28 1.4N; 126.2E M=5.4 h=50	Molucca passage			
	iP 06 57 21.7C eS 58 33				
	eP 22 07 53 eS 12 30 14.6N; 56.2E M=5.2 h=33	Arabian Sea			
31	eP 10 52 13 eS 56 30 33.9N; 59.2E M=6.0 h=13	Iran			
	eP 13 27 29 34.1N; 59.4E M=4.8 h=33	Iran			

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MONTHLY SEISMOLOGICAL BULLETIN
 SEPTEMBER 1968

Coordinates: Lat. $31^{\circ}46'19''$ N; Long: $35^{\circ}11'50''$ E; Elev.: 770 m.

Litholog. Foundation: Upper Cretaceous Dolomite; Instr.: WWSSS

Date	Phase	G.M.T.			Date	Phase	G.M.T.			
1	ePKP	00	44	00		iP	23	05	32.5	
	30.7S; 178.3W	Kermadec Is. Reg.				iS		06	36.7	
	M=5.2	h=25								
	eP	04	59	33	3	eP	01	23	35	
		1.0S; 24.5W,	Central Mid. Atlantic.			37.8S; 37.9 E., South Indian Ocean				
	M=5.2	h=33								
	eP	05	42	36	3	iP	05	35	48.0	
		39.1N; 46.0E., N.W. Iran-USSR Border Region				iS		06	36.7	
	M=5.1, h=38									
	iP	07	31	59.5		eP	01	23	35	
eS			35	47		37.8S; 37.9E., South Indian Ocean				
34.0N; 58.2., Iran				M=5.1	h=33					
M=5.9, h=15										
iP	11	08	43.5		iP	05	35	48.0		
	34.0N; 59.6E., Iran				42.9N; 145.2E., Hokkaido-Japan Region					
M=4.8, h=33										
iP	15	31	15.7		M=5.2, h=43					
	iS		26.5		iP	08	22	22.5		
								eS	24	1(8)
								41.8N; 32.3E., Turkey		
								M=5.7, h=5		
iP	20	44	42.3		iP	09	58	21.6		
					33.8N; 59.2E., Iran					
								M=5.0, h=16		
2	iP	11	59	14.4						
	eS	12	00	46						

Date	Phase	G.M.T.		Date	Phase	G.M.T.				
3	iP	10	58	44.5	iP	19	34	53.0		
	41.8N; 32.4E., Turkey				eS	44	52			
	M=4.5	h=11			31.ON; 131.9E., Kyusha-Japan					
	eP	14	11	39						
41.7N; 32.4E., Turkey					iP	19	56	38.0		
M=4.6	h=14				0.6N; 121.9E., Northern-Celebes					
				M=5.3,	h=137					
	iP	15	49	38.0						
	eS	16	00		08	8	iP	02	13	54.2
20.6N; 62.2W., North Atlantic Ocean						45.4N; 142.7E., Hokkaido-Japan Region				
M=5.5,	h=14			M=4.7		h=326				
4	iP	08	13	26.0						
	33.9N; 59.2E., Iran				eP	11	14	45		
	M=5.0,	h=24			eP	15	26		41	
	iP	11	24	14.0	ePP	31	10			
33.9N; 59.1E., Iran,					eS	37	30			
M=5.1,	h=25				3.7S; 143.0E, Near North Coast of New Guinea					
	iP	23	29	18.5						
34.ON; 58.2E., Iran,					M=6.0.,	h=29				
M=5.4,	h=15									
5	iP	04	13	08	9	eP	00	56	45	
	iPP		14		34.5	eSKS	01	02		36
	49.8N; 78.1E Eastern Kazakh, SSR					eSKKS		03		
M=5.5,	h=0			ePKKP		06	06			
	eP	14	50	11	8.7S; 74.5W., Peru-Brazil Border Region,					
	eS		51		12	M=6.0,		h=120		
	iP	18	44			05.0				
	eS		45	22			iP	05	07	51.0
34.ON; 26.8E., Crete					59.ON; 149.2W., Kenai Peninsula Alaska					
	h=94				M=5.2	h=17				
6	iP	02	32	15.5	10	iP	05	14	31.7	
	eS		36		08	15.2N; 93.3E., Bay of Bengal				
	34.ON; 59.3E., Iran,						M=4.2	h=33		
M=4.8,	h=27									
	iP	20	36	39.3						
	eS		40		28	iP	20	36	39.3	
34.ON; 59.4E., Iran,						eS		40		28
M=4.7,	h=18			34.ON; 59.4E., Iran,						

- 3 -

Date	Phase	G.M.T.		Date	Phase	G.M.T.	
10	iP eS	22	11 11 13 00	16.7	14	eP 01 57.9N; 32.6W, N. Atlantic Ocean M=5.3 - 4.7	47 52 h=33
	ePKP	23	10 52		eP 13	52 12	
	15.1S; 177.4W., Fiji Is. Region				eS	55 2(0)	
11	eP	12	05 49		28.4N; 53.1E., Southern Iran M=5.8 h=33		
	ePKP	18	45 35		eP 19	24 04	
	ePP		47 29		eS	26 32	
	43.0S; 75.2W., Off Coast of Southern Chile M=5.5, h=31				28.4N; 53.2E Southern Iran M=5.1 h=44		
	iP	19	21 50.7C	15	iP 04	16 21.5	
	eS		25 40		Local		
	33.9N; 59.4E., Iran M=5.2, h=33				iP 04	58 06.4	
					eS	59 44	
	iP	21	59 05.0D		34.7N; 25.1E., Crete, M=4.9 h=33		
	24.ON; 122.3E Taiwan Region M=5.0 h=42				iP 07	44 47	
					iS	45 19.5	
12	iP	13	48 54.5D	16	eP 14	10 14	
	39.7N; 143.6E, Off East Coast of Honshu - Japan M=5.2, h=12				ePP	15 03	
	iPKP	23	02 39.5D		ePPS	24 59	
	epPKP		05 02		ePcPPKP	29 39	
	ePP		06 03		6.1S; 148.7E New Britain Reg. M=5.8 h=59		
	21.6S; 179.4W., Fiji Is. Region M=5.9 h=635			17	iP 17	33 57	
					eS	35 10	
13	ePKP	05	21 4(1)		iPKP 18	09 32	
	30.8S; 179.1W., Kermadec Is. M=5.6, h=38				15.0S; 175.7W Tonga Is. M=5.2 h=17		
	iPKP	07	07 18.2		iP 19	29 46.5	
	27.0S; 176.5W., Kermadec Is. M=4.5, h=33				iS	31 10.5	
14	iP	01	36 34.2		iP 21	15 05.0	
	24.5S; 80.4E South Indian Ocean. M=4.5, h=33				iS	15 58.0	
					35.3N; 31.3E., Cyprus, M=4.6 h=33		

Date	Phase	G.M.T.			Date	Phase	G.M.T.		
17	eP	21	22	35	20	ePKP	18	48	52
						ePP		52	42
18	iP	04	04	08.5		28.1S; 176.7W., Kermadec Is.			
	iS		05	44.0		M=5.3	h=70		
	34.8N; 25.1E., Crete, M=4.6 h=35					iP	22	37	47.5
						36.8N; 138.1E., Honshu-Japan			
	iP	06	19	16					
	eS		20	45	21	eP	02	54	(19)
	39.8N; 40.2E., Turkey, M=4.6, h=37					eS		56	(05)
19	ePKP	12	06	32		iP	08	30	05.5
	18.2S; 167.1E., New Hebrides Is. M=5.7., h=33					eS		31	13
	eP	11	24	08		iP	13	18	10.8C
	eS		32	30		ePP		21	15
	30.7N; 41.9W., North Atlantic Ridge.					eS		28	16
						42.2N; 142.6E., Hokkaido- Japan Region. M=5.9, h=33			
	iP	20	23	36.8	22	iPKP	08	19	06
	eS		24	30		ipP		21	33.5
	35.2N; 31.3E., Cyprus					18.1S; 178.6W. Fiji Is. Region. M=4.8, h=630			
	eP	22	16	20		iP	09	32	33.5
	eS		19	26		15.7 N; 121.9E., Luzon, Philippine Is. M=5.3 h=20			
	28.4N; 53.2E., Southern Iran, M=5.1., h=34					ePKP	20	41	50
	eP	23	39	38		e		50	19
	28.3N; 53.1E., Southern Iran, M=4.8, h=33					15.4S; 175.2W., Tonga Is. M=4.6, h=33			
20	iP	06	12	59.8					
	epP		13	24					
	ePP		16	34	23	eP	05	16	16
	eS		23	22		ePP		19	22
	epS			55		40.3N; 143.5E., Off East Coast of Honshu-Japan, M=4.8, h=30			
	ePS		24	30		iP	09	35	13.5
	eSS		30	00		eS		35	36.5
	10.7N; 62.7W., Near Coast of Venezuela, M=6.2, h=107								

Date	Phase	G.M.T.		Date	Phase	G.M.T.		
23	eP	19	42	25	eP	07	22 16	
	eP	21	07		46.4S; 166.8E Off W. Coast			
	Local		13		Of S. Is. New Zealand			
					M=5.5 h=33			
	iP	21	28		iP	08	18 14.7	
	eS		30		iS		19 30.5	
	36.4N; 40.7E Jordan - Syria				35.4N; 29.0E Eastern			
	Region				Mediterranean Sea			
M=4.4		h=31		h=33				
24	iP	00	53		eP	10	53 04	
	eS		55		ePKP		56 42	
	34.8N; 25.5E., Crete				ePP		57 32	
	M=4.3, h=67				ePPP	11	00 20	
	iP	03	47		eSKS		03 36	
	ePP		50		ePS		07 04	
	eS		57		ePPS		08 04	
	40.3N; 143.7E Off East Coast				16.6N; 92.6W Mexico -			
	of Honshu-Japan				Guatemala Border Region			
	M=5.1 h=22				M=5.7, h=138			
	iP	04	22		00	iPKP	14	53 47.0
	eS		23		30	19.3S; 175.9W Tonga Island		
39.2N; 40.2E., Turkey			M=5.0 h=230					
M=5.1 h=14				iP	20	54 19.5		
iP	04	58	27	eS		56 04		
40.3N; 143.6E Off East Coast			39.2N; 40.2E Turkey					
of Honshu-Japan			M=5.1 h=47					
M=5.0, h=26			26	iP	00	52 13.5		
iP	12	35	55.2	33.7N; 69.9E Afganistan				
eS		36	32	M=5.2 h=45				
iP	16	31	03.0	iPKP	02	58 36.8		
eS		32	21.5	iPKP		41.2		
				19.3S; 177.6 W.,				
				M=5.2 h=560				
iP	18	54	08.0	iP	06	43 49.5		
eS			40	38.6N; 33.0E., Turkey				
				M=4.8, h=34				
25	iPKP	00	34	18				
18.0S; 178.5W Fiji Is. Region								
M=4.7 h=582								

Date	Phase	G.M.T.		Date	Phase	G.M.T.					
26	iP	08	18	47.5	eP	14	17	34			
	5.7S; 105.5E Sunda Strait				28	eP	00	56	06		
	M=5.1, h=33					40.5N; 26.4 E., Turkey					
	iP	08	36	08.2		M=4.4, h=28					
	45.5N; 151.4E., Kurile Is.					eP	14	08	40		
	M=5.1, h=33					ePKP		12	11.5		
	iPKP	08	59	58		eSKS		18	58		
	iPP	09	02	46.1		eSKKS		20	10		
	17.7S; 178.5W., Fiji Is Region					ePS		22	48		
	M=5.1, h=578					13.2S; 76.4W., Near Coast of Peru					
	iPKP	14	57	02.2		M=6.0, h=70					
	epPKP		59	12		iP	18	32	37.1		
	ePP		59	40		42.0N; 142.1E Hokkaido-Japan Region					
	e		00	43		M=7.6, h=4.8					
	ePPP		02	10		29	iP	03	50	08.5	
20.9S; 177.0W., Fiji Is. Region				49.8N; 78.2E Eastern Kazakh, SSR							
M=5.8, h=251				M=5.4, h=0							
ePKP	18	22	36.7	iP	13		39	47.0			
ePP		26	22	1.6N; 126.2E., Molucca Passage,							
ePPP		29	20	M=5.4, h=33							
30.5S; 178.2W., Kermadec Is. Reg.				30	iP		03	03	44.2		
M=5.8 h=33					eS			05	01.0		
27	eP	01	52		04.4		eP	11	03	12.5	
	eS		53		20			15.1S; 173.5W., Tonga Is.			
	M=6.1, h=127				M=4.9, h=33						
	eP	04	12		15			ePKP	11	57	06
	ePP		16		15			29.5S; 176.9W., Kermadec Is.,			
eS		22	39		M=4.8, h=74						
6.8S; 129.1E., Banda Sea					30		eP	14	18	15	
M=6.1, h=127						1.2N; 126.2E., Molucca Passage,					
iP	10	06	54.0			M=5.3, h=33					
iPKP	17	00	56			eP	14	28	46		
ePP		04	40			3.1N; 128.2E., N. of Halmahera					
30.7S; 178.2W., Kermadec Is.						M=5.4, h=160					
M=5.4., h=33											

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MONTHLY SEISMOLOGICAL BULLETIN

OCTOBER 1968

 Coordinates: Lat. $31^{\circ}46'19''$ N; Long: $35^{\circ}11'50''$ E; Elev.: 770 m.

Litholog. Foundation: Upper Cretaceous Dolomite; Instrum: WWSSS

Date	Phase	G.M.T.			Date	Phase	G.M.T.		
1	eP	01	00	10	5	iP	15	16	24.5
	ePKP	21	31	05		41.7N; 49.5E	Caspian Sea		
	31.0S; 177.5W	Kermadec Is.				M=5.1	h=56		
	M=4.6	h=15			6	iPKP	03	11	27.2
2	eP	03	38	5(2)		15.6S; 173.2W	Tonga Is.		
	eS		39	20.5		M=5.0	h=106		
	ePKP	13	40	36		ePKP	05	34	54
	17.6S; 178.8W	Fiji Is. Region				ePP		38	25
	M=4.4	h=560				15.0S; 175.5W	Tonga Is.		
	iPKP	21	34	49.5		M=5.3	h=33		
	21.6S; 176.8W	Fiji Is. Region				iP	07	52	09
	M=4.2	h=300				10.0N; 93.7E	Andaman Reg.		
4	iP	00	52	14.5		M=5.1	h=111		
	41.7N; 142.8E	Hokkaido-Japan				ePKP	09	06	47
	Reg. M=5.0	h=54				ePP		09	37
	eP	06	18	26		36.9N; 26.5E	Dodecanese Is.		
	ePP		22	36		M=4.7	h=40		
	eS		28	52		iP	22	08	57.0
	56.2S; 27.0W	South Sandwich Is.				38.8N; 32.6E	Turkey		
	Region M=5.9	h=63				M=4.8	h=39		
	iP	07	48	17.8		iP	12	59	31.5
	17.4S; 172.8W	Tonga Is. Reg.				eS	13	00	53
	M=5.0	h=33			7	iP	19	32	18.5
						ePP		36	04
						iS		42	02.5

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Date	Phase	G.M.T.		Date	Phase	G.M.T.	
7	26.3N; 140.6E	Bonin Is. Reg.		11	eP	03	04 45
	M=6.1	h=516			iS		06 23.5
	iP	21	01 14.50		36.6N; 25.9E	Dodecanese Is.	
	ePP		04 20		M=4.3	h=21	
	eS		11 20		ePKP	15	33 06
	42.0N; 142.4E	Hokkaido.			30.7S; 177.5W	Kermadec Is.	
	Japan Region				Reg. M=4.7	h=50	
	M=5.7	h=32			ePKP	17	31 29
	eP	22	56 29		30.5S; 178.0W	Kermadec Is.	
	43.8S; 16.1W	South Atlantic			Reg. M=4.8	h=99	
Region. M=4.6	h=33		iP	20	29 06.7		
8	iP	01	02 59.5	12	iS		13.8
	35.6N; 139.9E	Near South			iP	09	46 48.5
	Coast of Honshu-Japan				eS		53
	M=5.3	h=76			iPKP	19	36 15.5
	iP	07	56 03.8		i		20.2
	eS	08	06 40		epPKP		38 38
	ePPS		07 40		eSPKS		39 38
	39.9S; 87.7E	South East			M=5.7	h=607	
	Indian Rise				eP	23	26 10
	M=6.0	h=33			eS		32 29
ePKP	15	12 30	36.4N; 70.8E	Hindu-Kush Region			
ePP		13 20	M=5.3	h=203			
eSKS		19 14	13	iPKP	08	25 01.5	
ePS		21 50		30.6S; 178.2W	Kermadec Is. Reg.		
ePPS		22 50		M=4.8	h=60		
23.3S; 66.5W	Juyuy Province,			eP	00	09 25.5	
Argentina				iP	03	12 39.5	
9	iPKP	03		58 26.5	i		15 21.5
	14.7S; 175.5W	Samoa Is. Reg.		ePP		16 46	
	M=5.2	h=11		eS		23 21	
	ePKP	17		30 28	31.5S; 117.0E	Western Australia	
	Tonga Is.				M=6.0	h=1	
	M=5.0	h=33		iP	05	32 35.6	
	10	iP	05	18 11.0	12.6N; 95.2E	Andaman Is. Reg.	
		eS		19 29	M=5.5	h=33	
		ePKP	15	24 56	eP	17	44 24
		6.0S; 148.6E	New Britain Region		24.1N; 121.6E	Taiwan	
M=5.1		h=70		M=4.9	h=43		

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Date	Phase	G.M.T.			Date	Phase	G.M.T.			
15	iP	02	07	520	19	iP	17	19	21.5D	
	0.9N; 119.9 Northern Celebes					eS		20	02.0	
	M=5.0 h=34					iPKP	17	48	31	
	iP	02	21	35.00		ePP		52	16	
	0.5S; 100.6E Southern Sumatra					15.2S; 173.3W Tonga Is.				
	M=5.6 h=98					M=5.2 h=33				
	eP	03	06	13		20	eP	07	20	03
	iP	20	21	47.0			eS		29	40
	9.0N; 126.3E Mindanao Philippine Is. M=5.2 h=63						25.0N; 122.5E Taiwan Region M=5.4 h=15			
	16	eP	07	57		50	iP	09	54	15
29.3N; 129.4E Ryukyu Is. M=5.6 h=13				iP	12	07	23.5			
eP		15	30	3(4)	eP	12	34	13		
32.6N; 48.8E Western Iran M=4.1 h=33				40.3N; 144.2E Off East Coast of Honshu-Japan M=4.9 h=15						
17	ePKP	23	33	32	eP	17	16	21		
	28.4S; 177.0W Kermadec Is. M=4.5 h=151				35.4S; 15.9W Tristan DaCunha Region M=5.0 h=33					
	eP	23	53	51	eP	23	18	39		
	e		55	18	45.7N; 26.6E Rumania M=4.6 h=123					
	eP	23	59	19	eP	23	50	12		
	eS	04	01	39	38.7N; 36.5E Turkey M=4.0 h=45					
19	eP	02	39	51	21	iPKP	00	47	27.0	
	eS		45	08		19.1S; 177.7W Fiji Is. Region M=3.9 h=575				
	37.3N; 73.1E Tadzhik SSR M=4.9 h=76					iP	18	19	11.3	
	eP	07	07	57.5		eS		21	0(2)	
	eS		13	08		35.2N; 23.4E Crete M=4.7 h=5				
	37.5N; 73.3E Tadzhik SSR M=5.4 h=33					eP	23	40	32	
	iP	09	58	29.00		22	ePKP	19	32	10.1
	eP	10	01	21			18.3S; 177.9W Fiji Is. Region M=5.3 h=612			
	eS		03	38						
	M=5.4 h=33									
iP	15	37	22.20							
eS		39	04							
M=4.8 h=19										

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Date	Phase	G.M.T.		Date	Phase	G.M.T.			
23	iP	01	28	13.0	27	eP	11	01	55
	iS			23.0	eS			02	57
	eP	04	28	53	ePKP	12	34	48	
	eS		29	18	20.4S; 178.1W Fiji Is. Region				
	iP	13	38	25.80	M=3.8 h=510				
	9.1S; 112.0E South of Java				eP	13	54	53.3	
	M=5.4 h=46				5.9N; 125.6E Mindano				
	eP	21	19	00	Philippine Is.				
	iPP		23	23.5	M=5.5 h=193				
	eS		29	46	iP	22	31	49.5	
24	3.3S; 143.3E Near North Coast of New Guinea				28	eP	12	12	28.5
	M=6.1 h=12					eP	12	57	03
	iP	21	33	03		39.0N; 25.9E Aegean Sea			
						M=4.5 h=33			
	iP	00	55	03.8		eP	14	53	10.5
	7.2N; 126.6E Mindanao Philippine Is.					eS	15	03	30
	M=5.4 h=77					33.4N; 140.8E South of Honshu-Japan			
	iP	05	19	50.5		M=5.5 h=61			
	eS		29	42		ePKP	23	51	38
	45.6S; 34.1E Prince Edward Is. Region					ePP		53	56
29	M=5.3 h=33				125S; 166.5 Santa-Cruz, Island				
	iP	14	11	34.1	M=5.9 h=60				
	1.5N; 126.4E Molucca passage				iPKP	03	22	04.2	
	eP	15	11	55	20.2S; 178.0W Fiji Is. Region				
	iP	16	04	05.7	M=4.5 h=520				
	ePP		07	35	iP	04	18	47.5	
	ePPP		09	35	31.2N; 141.6E South of Honshu-Japan				
	eS		14	32	M=5.7 h=17				
	5.9N; 127.0E Philippine Is. Region				eP	06	57	56	
	M=5.4 h=70				31.2N; 141.7E South of Honshu-Japan				
iP	21	08	06.9	M=5.1 h=33					
6.0N; 127.1E Philippine Is. Reg.				ePKP	07	39	55		
M=5.0 h=85				17.8S; 178.8W Fiji Is. Region					
iP	22	48	17.0	M=5.5 h=567					
49.7N; 155.8E Kurile Is.									
M=5.5 h=35									

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Date	Phase	G.M.T.		Date	Phase	G.M.T.	
29	iP	11	46	44.5	31	eP	03 24 17
	22.5S; 175.2W	Tonga Is. Region			36.6N; 27.1E	Dodecanese Is.	
	M=5.1	h=33			M=5.1	h=11	
	eP	11	59	15	iP	09	19 37.2C
	22.6S; 174.9W	Tonga Is. Region			eS	30	06
	M=5.2	h=33			1.2N; 126.3E	Molucca Passage	
	eP	12	01	45	M=6.1	h=33	
	iP	17	13	40.2			
	1.8N; 126.4E	Molucca Passage					
	M=5.5	h=33					
	iP	22	28	43.5			
	ePP		32	00			
	ePPP		33	47			
	eS		39	08			
	ePS		40	02			
	65.4N; 150.1	Alaska					
	M=6.0	h=7					
30	iP	00	20	16.5			
	1.8N; 126.4E	Molucca Passage					
	M=5.2	h=33					
	eP	04	13	50			
	37.4N; 73.2E	Tadzhik SSR					
	M=5.5	h=12					
	ePKP	10	01	23			
	31.0S; 179.9W	Kermadec Is.					
	M=4.9	h=3.28					
	iP	16	53	18.5			
	37.9N; 38.6E	Turkey					
	M=4.9	h=3					
	iP	18	23	55.5			

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MONTHLY SEISMOLOGICAL BULLETIN

November 1968

Coordinates: Lat. $31^{\circ}46'19''$ N; Long: $35^{\circ}11'50''$ E; Elev.: 770 m.

Litholog. Foundation: Upper Cretaceous Dolomite; Instr.: WSSS

Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
1	iPKP 41.6S; 175.0E New Zealand M=5.5 h=29	01	52	03.9	4	ePKP ePP i ePKS eSKKS 14.2S; 172.0E M=5.8 h=585	09	25	58 28 13 28 37.4 29 38 34 46
2	eP eS 1.5N; 126.2E M=5.4 h=37	22	45	21 56 57		14.2S; 172.0E M=5.8 h=585			New Hebrides Is.
3	eP eS 42.1N; 19.4E M=5.0 h=17	04	53	18 56 28		iPKP 14.1S; 172.0E M=4.8 h=591	10	55	57.5 New Hebrides Is.
	iP 6.8N; 60.1E M=5.2 h=33	08	11	01.5 C Carlsberg Ridge	5	iP	15	04	10.5
	iP eS 38.8N; 29.2E M=5.0 h=5	18	42	05.7 D Turkey		eP iS	21	24	47 25 15.7
4	iP eS 12.2N; 58.0E	09	08	30.0 Arabian Sea	6	iP eS 35.2N; 32.8E M=4.8 h=54	13	42	04.2D 42 46 Cyprus
						eP 31.7N; 50.7E M=4.6 h=42	17	09	17 Iran

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 JERUSALEM
 November 1968

Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
7	ePKP	03	52	41	9	iP	17	14	52.3
	ePP		56	20		38.0N; 88.5W Southern Illinois			
	16.6S; 172.7W Samoa Is. Reg.					M=5.3 h=19			
	M=5.1 h=33								
	iP	09	31	21.5		iP	20	43	43
	40.2N; 142.3E Near East Coast of Honshu-Japan					ePP		47	16
	M=4.9 h=61					eS		54	34
						ePPS		55	44
						2.4N; 126.8E Molucca Passage			
						M=5.5 h=33			
8	iP	10	10	08.00	10	iP	23	47	47.0
	ePP		11	44		eS		48	35
	Novay Zemleya USSR					iP	12	53	02.4D
	173.4N; 54.9E					eS		54	50
	M=6.0 h=0					34.8N; 24.3E Crete			
						M=5.0 h=33			
	iP	14	49	03.20		eP	14	31	56
	45.0N; 150.0E Kurile Is.					eS		33	47
	M=5.0 h=59					34.4N; 23.9E Crete			
						M=4.4 h=33			
eP	17	39	12	11	iP	17	13	50.4C	
9	iP	15	29		32.0	eS		23	37
	iP	17	13		48.5	20.0N; 121.4E Philippine Is. Reg.			
	ePKP	18	45		54	M=5.2 h=33			
	i				58	iP	21	36	17.0
	19.5S; 179.2 W Fiji Is. Region					3.6S; 102.0E Southern Sumatra			
	M=5.2 h=670					M=5.3 h=33			
	iP	12	41		20.6	eP	09	06	51
	iS		43		09.5	57.3N; 155.3W Alaska Peninsula			
	40.1N; 28.7E Turkey					M=5.3 h=59			
	M=4.2 h=41				iP	13	31	40.5	
iPKP	13	32	10.0	eS		33	05		
20.1S; 178.6W Fiji Is. Region				iP	14	53	36.00		
M=4.7 h=615				ePP		56	46		
iP	13	49	23.6	ePPP		58	50		
eS		54	09	eS	15	03	52		
23.8N; 64.7E Near Coast of West Pakistan				40.1N; 143.0E Off East Coast of Honshu-Japan					
M=5.2 h=33				M=5.5 h=35					

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 JER
 November 1968

Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
11	iP	23	36	21.0	13	eP	15	18	5(7)
	eS		37	50		eS		20	24
	36.7N; 27.1E	Dodecanese Is.				35.8N; 26.2E	Crete		
	M=4.8	h=23				h=123			
	eP	23	55	04		iPKP	16	08	07.1
	eS		56	33		iPP		10	28.5
	36.5N; 27.2E	Dodecanese Is.				20.8S; 178.8W	Fiji Is. Region		
	M=4.5	h=21				M=5.2	h=590		
12	iP	00	56	11.2		iP	17	50	32.2
	iPP		59	13.5		eS		52	01
	ePPP	01	01	14		iP	18	54	04.3C
	eS		06	05		ePP		57	24
	ePPS		07	12		eS		04	3(2)
	27.5N; 128.4E	Ryukyu Is.				40.2N; 142.5E	Near East Coast of Honshu-Japan		
	M=5.8	h=48				M=5.5	h=4.9		
	iP	03	39	36.5		iP	19	17	29.5
	iS		41	05.5		eS			43
	36.6N; 27.3E	Dodecanese Is.				iPKP	21	54	30.8
M=5.8	h=48				18.4S; 178.0W	Fiji Is. Reg.			
	iP	06	10	54		M=4.9	h=549		
	eS		12	23					
	36.6N; 27.3E	Dodecanese Is.			14	iP	02	41	58.1
	M=4.7	h=24				iS		42	04.2
12	iP	09	09	50.0		iPKP	11	54	38.8
	eS		20	04		20.0S; 176.0W	Fiji Is. Region		
	41.2N; 143.9E	Hokkaido Japan Reg., M=5.3				M=5.1	h=220		
		h=17							
	eP	10	05	04		iP	13	23	03.6
	iP	14	16	51.5		ePKP	23	28	10
40.0N; 142.6E	Near East Coast of Honshu-Japan				ePP		31	04	
M=5.0	h=53				21.5S; 170.1E	Loyalty Is. Reg.			
	ePKP	22	20	26	15	M=5.4	h=103		
	15.6S; 172.8W	Samoa Is. Region				iP	06	30	15.5
	M=5.2	h=47				eS		34	02
13	iPKP	02	16	35.0		iPKP	13	59	14.7
	15.7S; 172.8W	Samoa Is. Region				17.7S; 178.6W	Fiji Is. Region		
	M=5.0	h=35				M=4.6	h=549		
	iP					iP	17	44	45.7
						eS		45	42

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JER

November 1968

Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
16	ePKP	00	42	43	18	iP	11	15	18.5
	18.0S; 168.5E M=5.3 h=173	New Hebrides Is.		eS		16	30		
	iPKP	03	47	13.5	19	e	14	26	46
	35.8S; 102.2W M=4.8 h=33	Southern Pacific Ocean		iP		22	58	03.7	
	ePKP	08	05	13	20	8.7N; 94.1E M=4.9 h=33	Nicobar Is. Region		
	16.6S; 175.9E M=5.6 h=66	Fiji Is. Region		eP		14	55	4(5)	
	eP	11	40	28	21	ePKP	02	56	16
	eS	41	55	20.9S; 174.1W M=5.0 h=33		Tonga Island			
	iP	22	52	19.0	22	ePKP	23	51	12
	iS	53	51.5	19.6S; 176.2W M=4.5 h=270		Fiji Is. Region			
	eP	23	27	1(2)	22	ePKP	04	02	50D
	eS	28	30	9.6N; 72.6W M=5.7 h=172		South of Kermadec Is. M=5.3 h=33			
	iP	00	29	35.5	iP	09	11	29.5	
	17	eP	07	51	00	eS	21	30	
ePcP		52	10	16.3N; 122.3E M=5.3 h=26	Luzon Philippine Is.				
ePP		53	20	iP	10	44	46.5		
ePPP		54	25	1.5N; 125.6E M=5.7 h=7	Molucca Passage				
eS		58	57	eP	11	20	33		
eSS		08	02	44	Local				
1.3S; 13.6W M=5.3 h=33		North of Ascension Is.		iP	11	50	35		
iP		13	19	13.7	13.1N; 122.6E M=5.5 h=17	Luzon Philippine Is.			
1.2N; 125.3E M=5.4 h=33		Molucca Passage		iPKP	16	02	53.5		
iP		16	53	45.0	23.6S; 180.0W M=5.3 h=516	South of Fiji Is.			
eS		54	38.6	23	eP	05	34	26	
eP		23	13		22	40.1N; 142.4E M=4.4 h=51	Near East Coast of Honshu-Japan		
1.8N; 126.6E M=5.1 h=30		Molucca-Passage		iP	23	25	34		
iP		23	25	34	iS	26	12.9		
iS	26	12.9							

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Date	Phase	G.	M.	T.	Date	Phase	G.	M.	T.
23	eP	10	38	51	25	iP	18	49	45.5
	iP	15	26	28.5		eS	19	00	14
						5.ON; 126.9E			Mindanao
24	eP	00	40	27		Philippine Is.			
	eS	09	19	17		M=5.4			h=31
24	iPKP	21	29	34.5	28	ePKP	16	51	0(7)
	15.6S; 176.0W					6.8S; 156.2E			Solomon Is.
	M=5.3			h=33		M=5.7			h=169
	iP	21	33	14.5	29	iP	22	10	52.0
	ePP		36	23		20.OS; 178.5W			Fiji Is. Region
	eS		43	44		M=4.5			h=582
	40.3N; 142.3E								Near East Coast
	of Honshu-Japan								
	M=5.9			h=51					

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