SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

JANUARY - MARCH 1961

Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12M. Lithologic Foundation: Glacial deposit over boulder clay.

Instruments: Milne-Shaw Seismographs, Photographic Registrations, Two Components.

Compt.	Mass	To	Damping Ratio	Magnification	1" Tilt	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	E-W 4.11.60
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	N-S 4.11.60

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	$\Delta°$ km.	Dir^{n} of Motion N E	Remarks Time of origin
	Jan.								
1	5	N	iP	14 17 45			71.5°	-	U.S.C.G.S.: 51.6°N,
		N	iPP	20 33			7945 Km	+	176.3°W
		N	e	22 15				+	T_o = 14h 06m 29s
		E	eS	27 08				- +	iN 27m 18s
		N	iPS	27 40				-	
		E	i	28 33				+	
		N	iSS	31 48				+ +	iE 31m 38s
		E	eSSS	34 23				+	
		N	L	41 00					
		N	M_1	45 24	24	24			
		N	M_2	53 48	20	19			
		E	M	57 50	17	12			
			F	15 48 -					
2	5	N	i	16 14 57				+	U.S.C.G.S.: 4.1°S, 143.0°E
		N	i	17 34				-	
		E	i	25 17				-	
		NE	e	30 28				+ +	
			F	37 -					
3	5	N	ePSKS	18 30 43			144°	+	U.S.C.G.S.: 21.2°S, 169.3°E
		N	eSS	40 28			16600 Km	-	
		E	iSSS	45 00				-	
		E	L	19 26 30					
		N	M	35 43	20	14			
		E	M	37 19	22	20			
			F	20 41 -					
4	10	N	i	14 35 36				-	U.S.C.G.S.: 49.9°N, 156.2°E
		N	iPPP	37 48				+	
		N	i	39 08				-	T_o = 14h 28m 12s
		N	iS	42 57				+ -	eE 42m 47s
		NE	iPS	43 18				+ +	
		N	iSS	47 48				+	
		N	eSSS	50 23				-	
		N	L	58 18					
		E	M_1	15 04 18	20	11			
		N	M	04 53	19	20			
		E	M_2	13 00	17	10			
			F	48 -					
5	11	N	e	12 40 21				-	U.S.C.G.S.: 51.8°N, 171.0°W
		N	M	46 38	20	5.5			
		E	M	53 27	18	4.5			
			F	57 -					

No. 2

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. mm	Δ° km.	Dir^n of Motion N E	Remarks Time of origin
	Jan.								
6	12	E	LM	14 57 -					
				15 05 -					U.S.C.G.S.: 57.4°N, 155.9°W
7	14	E	e	17 18 45				-	
		E	M	32 30	15	1.5			
			F	35 -					N-S component clock under repair
8	16	E	iP	07 32 34			84°	+	U.S.C.G.S.: 36.0°N, 141.1°E
		E	iPP	34 47			9335 Km	-	T_o = 07h 20m 06s
		E	i	39 39				-	
		E	i	42 39					All shocks on 16th
		E	iS	42 57				+	
		E	iPS	43 49				-	Near east coast of Honshu,
		E	iSS	48 42				-	Japan
		E	eSSS	52 17				+	
		E	i	55 12				-	
		E	L	59 57					
		E	M	08 12 49	17	82			
			F	09 24 -					
9	16	E	e	12 09 27				-	U.S.C.G.S.: 35.7°N, 140.6°E
		E	M	12 49	15	5			
			F	Lost in following shock					
10	16	E	iP	12 25 02			84°	-	U.S.C.G.S.: 36.2°N, 141.7°E
		E	i	35 00			9335°	+	Repeat of No. 8
		E	iS	35 17				+	
		E	i	40 12				-	
		E	eSSS	52 07				-	
		E	L	58 47					
		E	M	13 04 45	18	53			
			F	14 05 -					
11	16	E	e	14 50 21				-	U.S.C.G.S.: 36.3°N, 141.2°E
		E	i	57 02					
			F	15 16 -					
12	16	E	i	16 03 42				+	U.S.C.G.S.: 36.4°N, 140.6°E
		E	iS	04 04				-	
		E	e	08 44				+	
		E	e	21 35				+	
		E	L	28 00					
		E	M	33 27	18	27			
			F	17 07 -					
13	17	E	LM	04 59 -					U.S.C.G.S.: 58.8°N, 135.9°W
				05 06 -					
14	20	E	eS	17 28 28				-	U.S.C.G.S.: 56.4°N, 152.3°E
		E	e	29 44				-	
		E	e	36 18				+	
		E	L	45 45					
		E	M	50 58	13	6			
			F	18 30 -					
15	22	E	iPP	03 46 13			134°	+	U.S.C.G.S.: 11.9°S, 166.2°E
		E	iSKP	46 42				-	
		E	ePPP	48 37			14890Km	+	
		E	e	51 49				+	
		E	iSKKS	55 28				-	
		E	iSS	04 05 57				+	
		E	e	20 27				+	
		E	e	31 22				-	
		E	L	39 -					
		E	M	46 27	19	17			
			F	06 09 -					

No. 3

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dir^n of Motion N E	Remarks Time of origin
	Jan.								
16	31	N	i	01 25 35				+	U.S.C.G.S.: 55.8°N, 153.9°W
		E	i	28 30				-	
		N	M	28 47	20	27.5			Obscured by microseisms
		E	M	31 45	20	24.5			
			F	50 -					
	February								
17	4	N	i	20 00 44				+	U.S.C.G.S.: 24.0°N, 122.7°E
		E	e	01 44				-	
		E	M	05 00	20	22			
		N	M	05 10	17	12			
			F	09 -					
18	6	N	e	22 49 15				-	U.S.C.G.S.: 6.4°S, 155.0°E
		N	e	55 35					No E-W record available
		N	M	58 29	25	9			
			F	23 15 -					
19	9	N	e	02 48 50				+	U.S.C.G.S.: 28.2°S, 177.4°W
		N	i	50 52				+	No E-W record available
		N	i	55 36				+	Effects slight
			F	03 00 -					
20	12	NE	iP	22 05 29			75.5°	- -	U.S.C.G.S.: 43.7°N, 147.6°E
		NE	ipP	05 51			8390 Km	+ +	
		E	i	07 34				-	T_o = 21h 53m 46s
		E	iPP	08 14				- -	eN 08m 34s
		N	i	11 45				+	
		NE	iS	15 09				- -	
		NE	isS	15 29				- +	
		E	iSS	20 24				+ -	eN 20m 29s
		NE	i, eSSS	24 29				- +	
		N	L	30 35					
		E	M_1	38 21	22	73			
		N	M_1	38 38	23	64			
		E	M_2	43 19	19	74			
		N	M_2	46 40	15	60			
			F	Lost in succeeding shock					
21	12	E	ePPP	23 42 50				+	U.S.C.G.S.: 44.0°N, 147.7°E
		N	iPS	48 05				+	
		E	e	52 25				-	
		N	i	24 03 34				+	
		E	e	10 30				+	
		N	L	14 -					
		E	M	17 55	16	11			
		N	M	19 36	16	9			
			F	57 -					
22	13	N	e	07 58 05				-	U.S.C.G.S.: 17°S, 173.7°W
		N	M	08 03 54	15	3			
		E	LM	00 -					
				-12 -					
23	15	N	iS	11 06 46			75.5°	-	U.S.C.G.S.: 43.7°N, 147.4°W
		E	i	07 34			8390 Km	+	T_o = 10h 45m 16s
		N	iSS	11 39				-	
		N	iSSS	14 44				-	
		NE	i, e	24 29				- -	
		E	M	36 39	18	8			
		N	M	38 05	14	2			
			F	12 07 -					

No. 4

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dir^{n} of Motion N	Dir^{n} of Motion E	Remarks Time of origin
	Feb.									
24	23	E	i	05 01 17					+	U.S.C.G.S.: 38.2°N, 142.7°E
		N	e	01 45						
		E	M	08 47	15	3		-		Effect slight on N-S
			F	21 -						
25	26	E	e	05 05 50					+	
		NE	e	13 35				+	+	? Seismic
		N	i	20 41				+		
		E	e	24 55					-	
		N	i	38 35				-		
			F	55 -						
26	26	E	e	06 56 50					+	U.S.C.G.S.: 32.7°S, 111.2°W
		E	M	07 06 50	20	2.5				
			F	10 -						
27	26	NE	i	18 22 55			82.5°	-	+	U.S.C.G.S.: 31.4°N, 131.2°E
		E	iP	23 15			9280 Km		+	
		N	i	25 34				+		
		E	iPP	26 29					-	T_o = 18h 10m 50s
		N	iPPP	28 20				-		
		E	i	30 10					+	
		NE	iS	33 32				+	+	
		N	iPS	34 35				+		
		E	i	37 28					+	
		N	iSS	39 30				-		
		E	iSSS	42 47				-	+	eN 43m 00s
		N	L	50 45						
		E	M_1	57 00	20	229				
		N	M_1	19 00 25	23	149				
		E	M_2	03 45	20	383				
		N	M_2	07 20	17	110				
			F	22 00 -						
	March									
28	7	N	$iPKP_1$	10 30 28			152°	+		U.S.C.G.S.: 28.2°S, 175.7°W
		N	$iPKP_2$	31 06			16890 Km	-		
		N	i	32 33				+		
		N	i	33 24				-		No E-W record available
		N	iPP	34 58				+		
		N	i	41 01				+		
		N	i	44 21				-		
		N	i	51 20				+		
		N	eSS	55 20				-		
		N	e	11 04 38				+		
		N	e	23 10				-		
		N	M_1	51 45	15	13				
		N	M_2	12 03 34	18	22				
			F	55 -						
29	11	E	LM	02 16 -						U.S.C.G.S.: 48.7°N, 154.6°E
				-34 -						
		N	LM	17 -						
				-24 -						
30	11	E	e	09 15 36					+	B.C.I.S.: 11.8°N, 43.0°E
		E	i	19 21					+	No effect on N-S compt.
		E	i	21 52					-	
			F	33 -						
31	13	E	e	08 45 40					-	U.S.C.G.S.: 19.2°N, 107.3°W
		N	e	46 38				+		
		E	LM	53 -						
				-56 -						
			F	09 02 -						

No. 5

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dir^{n} of Motion N	Dir^{n} of Motion E	Remarks Time of origin
March										
32	16	E	iPPS	14 15 58					+	U.S.C.G.S.: 8.2°S, 122.0°E
		E	iSSS	25 46					-	
		E	i	29 01					+	
		N	i	32 00				+		
		NE	L	52 50						
		N	M	55 46	22	10				
		E	M	57 16	27	44				
			F	15 16 -						
33	17	E	e	21 35 45					+	U.S.C.G.S.: 24.3°S, 175.6°W
		N	e	44 45				-		
		E	M	49 00	20	5.5				
			F	57 -						
34	18	E	i	15 20 38					-	
		E	i	28 46					+	
		NE	iSSP	41 12				+	-	
		E	L	16 12 41						
		E	M	36 40	20	36				
		N	M	40 16	20	19				
			F	55 -						
35	20	E	e	06 54 54					+	U.S.C.G.S.: 11.5°N, 86.3°W
		N	LM	54 -						
				-59 -						
		E	M	58 54	18	4.5				
			F	07 13 -						
36	20	E	Traces	16 32 -						U.S.C.G.S.: 18.4°S, 175.2°W
				17 00 -						
37	21	E	e	01 05 29					+	
		E	e	13 42					-	
		E	M	19 17	17	4				No readable effect on N-S
		E	i	26 15					-	
		E	e	34 37						
		E	L	48 57					+	
		E	M	53 37	17	4				
			F	02 07 -						
38	24	E	Traces	23 44 -						
				-58 -						U.S.C.G.S: 35.3°N, 140.9°E
39	28	NE	eP	09 51 02			105.4°	-	-	
		E	iPP	54 52			11710 Km	-	+	iN 54m 57s
		NE	i	56 07				-	-	
		NE	iSKS	10 01 42				-	-	T_o = 09h 36m 51s
		NE	iPS	04 27				+	-	
		E	iPPS	05 02					-	
		NE	iSS	09 28				-	+	
		E	iSSS	14 40				-	+	
		E	L	29 37						
		E	M_1	34 57	20	55				
		E	M_2	42 22	20	55				
		N	M	43 07	25	43				
			F	11 24 -						

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Library Where?

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

APRIL - JUNE 1961

Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12M. Lithologic Foundation: Glacial deposit over boulder clay.

Instruments: Milne-Shaw Seismographs, Photographic Registrations, Two Components.

Compt.	Mass	To	Damping Ratio	Magnification	1" Tilt	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	E-W 4.11.60
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	N-S 4.11.60

No.	Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Dirn of Motion N	E	Remarks Time of origin
	April											
1	1	E	iP	15	27	39			53.1°		-	U.S.C.G.S.: 39.6°N, 77.7°E
		E	iPP		29	39			5900Km		+	T = 15h 18m 23s
		E	iPPP		30	31					+	N8 N-S record available
		E	iS		35	08					-	
		E	iPS		35	46					-	Clock under repair
		E	i		37	34					+	
		E	i		39	12					+	
		E	L		46	42						
		E	M_1		52	38	10	33				
		E	M_2		57	05	12	38				
			F	16	52	-						
2	4	E	eS	10	03	32					+	U.S.C.G.S.: 40.1°N, 77.8°E
		E	eSS		07	16					+	
		E	e		13	44					+	
		E	i		14	51					-	
		E	M		19	13	18	42				
			F		56	-						
3	6	E	i	02	04	46					-	U.S.C.G.S.: 39.6°N, 77.8°E
		E	e		09	06					+	
			F		15	-						
4	6	E	eS	18	25	50					+	U.S.C.G.S.: 27.8°N, 56.7°E
		E	eSS		32	40					-	
		E	i		36	00					-	
		E	L		45	50						
		E	M		49	40	18	2				
			F	19	01	-						
5	7	E	e	21	42	40					+	U.S.C.G.S.: 39.3°N, 73.0°E
		E	e		46	50					+	
		E	M		49	15	12	1.5				
			F	22	02	-						
6	8	E	iSKKS	18	26	13			113°		-	U.S.C.G.S.: 38.2°S, 72.7°W
		E	i		27	47			12555 Km		-	
		E	ePS		28	37					+	
		E	SS		34	55					+	
		E	eSSS		38	45					-	
		E	L		54	45						
		E	M_1	19	02	57	20	8				
		E	M_2		07	23	18	9				
			F	20	05	-						

No. 2

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Dirn of Motion N	E	Remarks Time of origin
	April											
7	9	E	iS	07	44	30					-	U.S.C.G.S.:36.5°N,121.3
		E	e		55	45					+	
		E	M		08	15	16	3.5				
			F		26	-						
8	9	E	eP	15	47	52			86.4°		+	U.S.C.G.S.:24.1°N,122.2°
		E	ePPP		52	55			9600 Km		+	
		E	iSKKS		58	26					-	
		E	i	16	01	35					+	
		E	eSS		04	35					+	
		E	eSSS		08	25					+	
		E	L		17	45						
		E	M_1		23	25	20	30				
		E	M_2		30	45	17	96				
			F	17	19	-						
9	12	E	eS	22	42	28					+	U.S.C.G.S.:13.1°N, 88.9°
		E	eSS		47	49					+	
		E	L		58	05						
		E	M	23	01	37	22	3.5				
			F		09	-						
10	13	N	i	16	50	38				+		U.S.C.G.S.:40.1°N,77.8°
		N	iS		51	23				+		
		N	eSS		54	54				-		
		N	i		58	41						
		N	L	17	02	-						
		N	M_1		06	19	19	77				
		N	M_2		11	27	16	36				
			F	18	06	-						
11	23	E	e	06	00	27					+	U.S.C.G.S:26.2°N,129.8°
		E	e		12	02					+	No N-S record available
		E	M		15	35	12	2.5				
			F		29	-						
12	23	N	iP	09	13	27			75.5°	+		U.S.C.G.S.:44.6°N,150.2°
		E	iPP		16	29			8390 Km		+	
		N	i		19	27				+		T_o = 09h 01m 44s
		NE	iS		23	07				+	-	
		N	iPS		23	43				+		
		E	i		26	48					-	
		N	eSS		28	17				+		
		E	eSSS		31	24					+	
		NE	L		43	27						
		N	M_1		47	22	20	25				
		E	M_1		47	49	17	20				
		E	M_2		53	52	15	21				
		N	M_2		54	29	15	15				
			F	11	03	-						
13	23	E	LM	17	35	-						U.S.C.G.S.:44.5°N,150.1°
					-45	-						
		N	LM	17	45	-						
					-48	-						
14	25	E	LM	02	00	-						U.S.C.G.S.:44.6°N,150.0°
					-20	-						No N-S effect.

No. 3

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	$\Delta°$ km.	Dir^{n} of Motion N	E	Remarks Time of origin
	April											
15	29	E	i	09	31	16			14.5°		+	U.S.C.G.S.: 71.3°N, 7.4°W
		E	iP		32	35					-	No N-S record available
		E	i		32	53			1610Km		+	T_o = 09h 29m 07s
		E	iS		35	23					+	
		E	L		36	39						
		E	M		37	33	14	83				
			F	10	41	-						
16	30	E	i	07	34	54					+	U.S.C.G.S.: 52.0°N, 31.9°W
		E	iP		37	56					+	
		E	i		39	25					+	
		E	L		42	23						
		E	M		43	54	16	14.5				
			F	08	25	-						
17	30	E	e	11	51	31					+	U.S.C.G.S.: 44.6°N, 149.7°E
		E	L		57	31						
		E	M	12	04	50	16	4				
			F		33	-						
	May											
18	2	E	e	03	15	55					-	U.S.C.G.S.: 71.2°N, 6.9°W
		E	i		18	20					-	
		N	i		19	30				-		
		E	M		20	04	15	3				
		N	M		23	25	10	1.5				
			F		31	-						
19	2	NE	eSKKS	23	15	38			150.6°	-	-	U.S.C.G.S.: 27.8°S, 176.5°W
		E	iSS		27	32					-	
		N	i		28	25				-		
		E	eSSS		32	35					-	
		E	e		45	40					+	
		E	L	24	03	42						
		E	M		15	29	17	6				
		N	M		15	50	18	4.5				
			F	25	10	-						
20	5	E	e	14	20	50			150.6°		+	U.S.C.G.S.: 27.8°S, 176.1°W
		E	e		44	10			16735 Km		+	
		E	e	15	11	25					+	
		E	M		21	00	15	2.5				
		N	LM		19	-						
					-29	-						
			F		34	-						
21	6	E	LM	16	14	-						
					-21	-						
		N	LM		17	-						
					-21	-						
			F		28	-						
22	7	N	iS	15	46	51			14.4°	-		U.S.C.G.S.: 71.2°N, 7.1°W
		E	iSS		47	14			1600 Km		+	
		N	i		49	01					+	
		E	M		49	09	13	10				
		N	M		52	39	9	3.5				
			F		56	-						
23	8	N	M	20	17	58	10	3.5				U.S.C.G.S.: 24.3°S, 69.7°W
		E	M		18	09	18	5.5				
			F		25	-						

No. 4

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dir^{n} of Motion N	Dir^{n} of Motion E	Remarks Time of origin
	May									
24	13	E	e	16 41 42					+	U.S.C.G.S.:43.4°N,147.8°E
		E	M	48 27	20	2.5				No effect on N-S
			F	17 05 -						
25	14	E	e	15 11 28			13.1°		-	U.S.C.G.S.:67.7°N,18.4°W
		E	eS	13 29			1455 Km		-	
		NE	L	14 45						
		E	M	15 27	15	3				
		N	M	16 30	10	2				
			F	27 -						
26	14	E	e	15 43 59					+	U.S.C.G.S.:67.7°N, 18.4°W
		N	e	44 43				-		
		N	M	45 24	15	2.5				
		E	M	45 33	15	4				
			F	16 02 -						
27	16	N	eS	22 08 22				+		U.S.C.G.S.:30.0°N,132°E
		N	e	32 10				-		No E-W record available
		N	M	38 27	17	1				
			F	54 -						
28	17	N	iP	19 40 38			71.2°	+		U.S.C.G.S.:52°N, 173.9°E
		N	iPPP	45 19			7910 Km	+		
		N	eS	49 54				+		T_o = 19h 29m 21s
		N	ePS	50 44				+		
		N	e	53 26				-		
		N	e	58 18				-		
		N	L	20 10 15						
		N	M	20 36	18	2				
			F	47 -						
29	19	NE	e	17 18 00						U.S.C.G.S.:24.1°N,123.4°E
		E	M	25 35	25	3				
		N	LM	22 -						
				-34 -						
			F	59 -						
30	22	E	e	15 03 35					+	
		N	e	05 17				+		
		E	M_1	10 35	20	2.5				
		N	M^1	12 35	17	2				
		E	M_2	14 47	17	4				
			F^2	50 -						
31	22	NE	ePKP	17 52 00			146.5°	+	+	U.S.C.G.S.: 22.8°S,176.1°W
		E	eSKP	55 30			16280Km	+	-	eN 55m 20s
		N	e	56 22				-		
		N	eSKKS	18 02 12				-		
		E	e	03 20					-	
		NE	e,iSS	14 10				-	+	
		E	L	43 00						
		N	L	44 20						
		N	M	53 35	22	3				
		E	M	57 40	23	5				
			F	19 30 -						
32	23	NE	iP	02 51 15			28.9°	-	+	U.S.C.G.S.:36.4°N,28.3°E
		E	i	51 55			3320 Km		-	
		N	iPPP	52 15				+		
		E	iS	56 18				-	-	iN 56m 25s
		E	iM	56 59	12	31				
		N	L	58 55						
		NE	M	03 06 00	15	65 E) 37 N)				
			F	04 39 -						

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Dirn of Motion N	E	Remarks Time of origin
	MAY											
33	31	NE	eS	14	39	18				+	+	U.S.C.G.S.: 29.8°N, 114.0°W
		E	iPS		39	48				-	+	eN 39m 45s
		NE	i		49	38				-	-	
		E	L		54	33					+	
		NE	e		57	35						
		NE	M_1	15	04	30	15	2.5 E 1.5 N				
		N	M_2		06	36	12	2.3				
		E	M_2		06	53	12	2.3				
			F		29	-						
	JUNE											
34	1	NE	iP	23	39	12			57.7°	-	-	B.C.I.S.: 10.3°N, 39.9°E
		NE	e, iPP		41	17			6410 Km	-	-	
		NE	e		42	37				-	-	
		E	iS		47	10				-	+	eN 47m 02s
		E	e		48	38					+	
		NE	e		53	28				-	-	
		N	L		57	45						
		E	M	24	06	58	15	26				
		N	M		08	24	15	10				
			F	25	51	-						
35	2	NE	e, iP	05	00	58			57.4°	+	-	U.S.C.G.S.: 9.8°N, 40.0°E
		N	ePP		03	09			6380 Km	-		
		E	e		04	31					+	
		NE	iS		08	54				-	+	
		N	i		11	00				-		
		E	iSS		12	52					+	
		E	eSSS		14	42					-	
		NE	L		24	20						
		E	M		33	45	15	19				Several succeeding minor
		N	M		35	26	11	10				shocks in same locality.
			F	07	15	-						
36	2	E	e	07	28	30					-	
		NE	e		36	40				-	+	
		E	M		41	49	15	1.5				
		N	M		46	25	15	1				
			F	08	11	-						
37	3	N	i	01	29	30				-		U.S.C.G.S.: 56.1°N, 164.8°E
		N	e		33	10				+		
		N	M		48	35	20	2				
			F	02	06	-						
38	4	N	e	18	48	40				+		
		N	M	19	39	35	25	4				? Seismic
			F	20	12	-						
39	7	N	oP	14	25	45			62.2°	+		
		N	e		29	05			6910 Km	-		
		N	eS		34	19				+		
		N	e		41	25				-		
		N	L		48	23						
		N	M		54	30	20	2.5				
			F	15	19	-						
40	9	N	e	13	03	15				+		
		N	e		27	30				+		? Seismic
		N	L		35	-						
		N	M		41	46	15	2.5				
			F		49	-						

No. 6

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dir^{n} of Motion N E	Remarks Time of origin
	JUNE								
41	10	N	e	21 37 20				-	
		N	M	45 25	15	1.5			
			F	22 06 -					
42	11	N	e	05 15 20		49.2°		-	B.C.I.S.: 28.3°N, 54.7°E
		N	iP	19 15		5465Km		+	Iran shock
		N	e	21 08				-	
		N	i	25 46				-	
		N	iS	26 20				-	
		N	i	26 30				+	
		N	i	30 05				-	
		N	iSSS	30 55				+	
		N	L	33 -					
		N	M_1	36 50	27	98			
		N	M_2	41 22	22	98			
			F	07 32 -					
43	11	N	Traces	07 36 -					
				09 00 -					
44	11	N	iS	12 47 20				-	B.C.I.S.: Repeat of Iran shock
		N	L	57 30					
		N	M	13 04 52	16	3.5			
			F	28 -					
45	11	N	LM	14 23 30					
				38 -					
		N	M	31 20	17	2			
46	14	N	e	20 52 30				-	
		N	e	21 05 15				-	
		N	L	09 20					
		N	M	15 25	15	1.5			
			F	35 -					
47	16	N	iS	10 52 30				-	
		N	i	54 05				-	
		N	eSS	56 55				+	
			F	11 06 -					
48	19	N	e	02 39 15				-	
		N	L	46 20					
		N	M	49 22	20	2.5			
			F	52 -					
49	20	N	LM	03 54 -					
				04 08 -					
50	23	N	e	09 16 15				+	
		N	e	24 10				-	
		N	e	28 15				+	
		N	L	33 25					
		N	M	38 41	14	5.5			
			F	10 08 -					
51	25	N	e	17 37 25				-	
		N	LM	40 10					
				48 -					Very slight effect
			F	18 12 -					
52	26	N	e	15 16 06				-	U.S.C.G.S.: 52.4°N, 174.5°E
		N	M	32 20	15	1.5			
		N	M_1	44 27	15	1.5			
			F_2	58 -					

No. 7

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Dir^{n} of Motion N	E	Remarks Time of origin
	JUNE											
53	27	N	eP	07	15	15			73°	-		U.S.C.G.S.: 27.8°N, 99.4°E
		N	ePP		18	07			8110 Km	+		
		N	e		19	45				-		T_o = 07h 03m 47s
		N	iS		24	14				+		
		N	eSS		29	27				-		
		N	eSSS		32	37				-		
		N	L		38	06						
		N	M_1		43	12	22	8				
		N	M_2		45	25	20	8				
			F	08	43	-						
54	28	N	e	16	55	20				-		
		N	M	17	01	30	20	3				? Seismic
			F		10	-						

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SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

JULY - SEPTEMBER, 1961

Lat. 57°10′ N. Long. 2°6′ W. Height above M.S.L. 12M. Lithologic Foundation: Glacial deposit over boulder clay.

Instruments: Milne-Shaw Seismographs, Photographic Registrations, Two Components.

Compt.	Mass	To	Damping Ratio	Magnification	1" Tilt	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	E-W 4.11.60
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	N-S 4.11.60

No.	Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. mm	Δ° km.	Dirn of Motion N	E	Remarks Time of origin
	July											
1	6	N	ePKP	22	28	58			144°	+		U.S.C.G.S: 20.0°S, 169.4°E
		N	ePP		32	08			16000Km	-		
		N	ePPP		35	26				+		
		N	ePSKS		42	21				+		T_o = 22h 09m 27s
		N	e		49	08				-		
		N	eSSS		56	35				-		
		N	e	23	05	08				-		
		N	eL		18	53						
		N	M		30	40	23	25				
			F	24	50	-						
2	7	N	ePP	13	31	32			126°	-		U.S.C.G.S.: 5.7°S, 149.7°E
		N	e		32	12			1400Km	+		
		N	eSKS		37	03				-		T_o = 13h 10m 56s
		N	iPS		41	28				+		
		N	ePPS		43	37				+		
		N	eSS		48	40				+		
		N	eSSS		53	42						
		N	L	14	13	-						
		N	M		20	09	21	7.5				
			F	15	27	-						
3	8	N	ePKP	02	55	04			144°	-		U.S.C.G.S.: 20.4°S, 169.0°E
		N	ePP		58	04			16000Km	-		
		N	eSKS	03	02	12				-		T_o = 02h 35m 21s
		N	ePSKS		08	05				+		
		N	e		10	32				-		
		N	eSS		17	22				+		
		N	L		49	12						
		N	M	04	02	25	20	2.5				
			F		54	-						
4	8	N	ePKP	15	54	12			144°	-		U.S.C.G.S.: 20.2°S, 168.6°E
		N	eSKP		57	48			16000Km	-		
		N	e	16	00	19				+		
		N	e		11	12				-		
		N	L		53	-						
		N	M		59	32	20	2.5				
			F	17	58	-						
5	11	N	eS	09	55	02			86°	+		U.S.C.G.S: 8.3°N, 93.3°E
		N	e		58	01			9555 Km	+		
		N	eSS	10	01	04				+		
		N	L		14	42						
		N	M		22	12	20	4				
			F		59	-						

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Dirn of Motion N	E	Remarks Time of origin
6	12	N	e	13	56	00				-		U.S.C.G.S.:45.2°N,151.0°E
		N	e	14	12	47				+		
			F		21	-						Very slight
7	12	N	e	15	26	58				-		
		N	e		28	05				+		
			F		34	-						? Seismic
8	13	N	e	22	30	25				-		U.S.C.G.S.:25.2°S,179.7°E
		N	M		33	12	20	2.5				
			F		42	-						
9	15	N	L	01	10	10						U.S.C.G.S.:13.1°N,120.4°E
		N	M		19	10	15	1.5				
			F		26	-						
10	17	N	e	17	04	20				-		U.S.C.G.S.:2.4°S,141.5°E
		N	L		10	00						
		N	M		17	32	15	3				
			F		33	-						
11	18	N	e	14	16	13			82.2°	+		U.S.C.G.S.:29.4°N,131.6°E
		N	iP		16	16				-		
		N	i		16	24			9355 Km	-		
		N	i		17	00				+		
		N	ePP		19	21				-		
		N	ePPP		21	29				+		
		N	iS		26	39				+		
		N	iPS		27	34				-		
		N	eSS		32	17				+		
		N	eSSS		35	53				-		
		N	L		43	12						
		N	M		52	06	23	113				
			F	17	33	-						
12	19	N	e	05	59	18				-		U.S.C.G.S.:29.2°N,131.4°E
		N	e	06	03	05				+		
			F		07	-						
13	19	N	e	12	22	-				-		U.S.C.G.S.:29.6°N,131.5°E
		N	e		26	12				-		
		N	L		45	15						Disturbed and uncertain
		N	M		56	42	15	1.5				by shaking of building.
			F		?							
14	19	N	eP	23	06	19			24.5°	+		B.C.I.S.:38.2°N, 20.6°E
		N	e		07	22			2720 Km	+		
		N	eS		10	38				+		
		N	eSS		11	52				-		
		N	L		13	06						
		N	M		15	13	15	1.5				
			F		58	-						
15	20	N	LM	07	41	-						U.S.C.G.S.:10.3°N,12[illegible]°E
				-	56	-						Traces
16	21	N	e	19	26	-				-		U.S.C.G.S:30.0°N,131.4°E
		N	LM		42	-						
					-55-							
17	22	N	e	14	01	00				-		U.S.C.G.S.:36.8°N,70.3°E
		N	e		07	00				+		
		N	e		13	06				-		
		N	i		15	56				-		
			F		24	-						

No. 3

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dir^{n} of Motion N E	Remarks Time of origin
	July								
18	23	N	ePKP	14 23 15			144°	-	U.S.C.G.S.:18.5°S,168.2°E
		N	eSKP	26 50			16000Km	+	
		N	e	28 15				+	
		N	ePSKS	36 25				+	
		N	ePPS	38 57				+	
		N	e	15 10 00				+	
		N	L	20 35					
		N	M_1	24 00	23	3			
		N	M_2	40 00	15	1.5			
			F	16 25 -					
19	23	N	iPKP	22 10 26			140.6°	+	U.S.C.G.S:18.3°S,168.3°E
		N	i	10 51			15620Km	+	
		N	iPP	13 31				-	T_o = 21h 51m 07s
		N	iSKP	14 13				-	
		N	i	14 45				-	
		N	iSKKS	20 18				+	
		N	i	22 15				+	
		N	iPSKS	23 40				-	
		N	iPPS	25 50				+	
		N	iSS	32 14				+	
		N	iSSS	37 55				-	
		N	L	58 15					
		N	M	23 04 19	25	104			
		N	M_1	09 32	23	87			
			F_2	26 03 -					
20	28	N	iP	01 17 59				+	U.S.C.G.S.:2.2°S, 77.1°W
		N	iS	27 58				-	
		N	i	29 00				+	
		N	eSS	32 44				-	No definite maximum
			F	?					Deep focus.
21	28	N	ePKP	06 31 20			144°	-	U.S.C.G.S.:18.6°S,167.7°E
		N	e	35 50			16000 Km		
		N	eSKKS	40 55				+	T_o = 06h 11m 45s
		N	e	43 35				+	
		N	eSS	53 30				+	No definite maximum
			F	08 37 -				+	
22	28	N	eL	10 56 -					U.S.C.G.S:20.0°N,109.1°W
		N	M	11 05 12	15	2			
			F	33 -					
	AUGUST								
23	1	N	ePP	06 01 22				+	U.S.C.G.S.:9.8°S,160.5°E
		N	iPKS	02 27				+	
		N	e	05 49				-	
		N	e	12 57				+	
		N	e	25 17				-	
		N	L	44 27					
		N	M	51 17	23	14			
			F	07 25 -					
24	1	N	eP	07 37 20				-	U.S.C.G.S.:56.8°S,25.1°W
		N	e	50 10				+	
		N	i	08 03 07				+	
		N	L	16 24				+	
		N	M	24 34	18	11			
			F	09 00 -					

No. 4

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dirn of Motion N E	Remarks Time of origin
	Aug.								
25	1	N	M	10 42 25	19	2.5			U.S.C.G.S.: 57.1°S, 26.1°W
			F	11 07 -					Early part obscured by overlapping
26	4	N	LM	07 53 -					U.S.C.G.S.: 42.7°N, 144.8°E
				-59-					
27	4	E	i	18 48 56				-	U.S.C.G.S.: 34.8°N, 38.7°W
		N	i	49 48				+	
		E	M	53 25	15	1.5			
			F	19 04 -					
28	8	N	eP	12 29 44			71.5°	-	U.S.C.G.S.: 50.9°N, 170.7°W
		E	e	29 57			7945Km	+	
		N	ePP	32 23				-	
		N	ePPP	34 00				+	Two shocks superposed
		NE	i, eS	39 02				+ -	
		E	ePS	39 44				+	
		NE	e	47 07				- +	
		N	L	58 35					
		N	M	13 02 09	18	7			
		E	M	04 57	16	4			
			F	14 20 -					
29	11	NE	iP	16 03 20			76.1°	- -	U.S.C.G.S.: 42.9°N, 145.1°E
		N	i	05 42			8455 Km	+	
		E	iPP	06 26				+	T_o = 15h 51m 34s
		NE	i	09 06				+ -	
		NE	iS	13 03				- +	
		NE	i	13 26				- +	
		NE	iPS	13 54				- +	
		E	iSS	18 10				+	
		E	SSS	21 26				+	
		E	e	26 03				+	
		N	i	27 30				+	
		NE	L	32 00					
		E	M	39 26	22	89			
		N	M	41 53	19	96			
			F	18 50 -					
30	11	E	e	23 40 10				+	U.S.C.G.S.: 2.8°S, 122.1°E
		N	e	40 40				-	
		N	e	42 56				-	
		E	eL	48 06				+	
		N	LM	46 -					
				-56 -					
		E	M	54 16	15	1.5			
			F	58 -					
31	15	N	eL	00 40 25				+	U.S.C.G.S.: 20.3°S, 169.4°E
		E	e	44 35				+	
		NE	M	50 10	20	2.5			
			F	01 15 -					
32	15	E	e	19 51 54				-	U.S.C.G.S.: 32.8°N, 142.4°E
		N	e	52 14				+	
		NE	L	56 15					
		E	M	20 00 05	20	3			
		N	M	05 15	18	2			
			F	16 -					

No. 5

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Dir^{n} of Motion N	E	Remarks Time of origin
	Aug.											
33	17	NE	iP	21	27	50			71.5°	+	+	U.S.C.G.S.:46.3°N,149.3°E
		N	P_cP		28	12			7945 Km	-		
		N	iPP		30	31				+		T_o = 21h 16m 32s
		N	e		31	45				+		
		NE	iS		37	09				+	+	
		NE	iPS		37	45				-	+	
		E	i		43	00					+	
		E	e		45	43					-	
		E	L		53	-						
		E	M		55	21	15	3				
		N	L	22	01	25						
		N	M		09	00	16	3.5				
			F		39	-						
34	19	NE	iP	05	21	37			88°	-	-	U.S.C.G.S.:10.7°S,71.0°W
		NE	i		23	44			9780Km	+	-	
		E	iPP		25	40					-	Deep focus
		NE	iSKS		31	05				+	+	T_o = 05h 09.9m
		NE	iS		31	30				-	-	
		NE	i		33	36				+	+	
		E	i		35	08				-	+	iN 35m 18s
		E	iSS		37	40					+	
		E	iSSS		41	08					+	
			F	Lost in succeeding shock								
35	19	N	i	05	45	49			81°	-		U.S.C.G.S.:36°N, 136.5°E
		E	i		47	38			9060 Km		+	
		E	iS		55	55				+	-	iN 56m 03s
		N	iPS		56	40				+		
		E	i		57	23					-	T_o = 05h 33m 31s
		NE	iSS	06	01	15				-	-	
		NE	L		15	-						
		N	M_1		19	57	19	59				
		E	M_1		20	10	17	42				
		E	M_2		22	08	15	48				
		N	M_2		23	53	14	47				
			F	07	55	-						
36	23	N	e	04	41	06						U.S.C.G.S:38.7°N,68.7°E
		E	e		42	00						
		N	M		44	06	20	2				
		E	M		44	55	20	2.5				
			F		51	-						
37	27	N	iPP	17	06	14				+		U.S.C.G.S:18.3°N,146.6°E
		E	e		07	17					+	
		NE	e,i		11	17				+	+	
		N	i		17	19				+		
		N	M		31	17	15	1.5				
		E	M		34	29	15	2				
			F		55	-						
38	31	NE	iP_I	02	00	22			87.5°	-	-	U.S.C.G.S: I 10.4°S,70.9°W
		NE	i_pP_I		02	29			9720 Km	+	+	II 10.4°S, 70.9°W
		NE	iP_{II}		08	55				+	-	Two shocks superposed.
		NE	iS_I		09	54				+	+	Both deep focus
		N	i		10	15				-	+	iE 10m 18s
		NE	i_pP_{II}		11	05				+	+	
		NE	i		13	51				+	+	
		NE	$iSKS_{II}$		18	25				+	+	
		E	iS_{II}		18	48	10	139				
		N	iS_{II}		18	55	10	111				

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Dir^{n} of Motion N	E	Remarks Time of origin
	Aug.											
38	31	(contd.)										
		E	iSP_{II}	02	19	45				+	-	iN 19m 53s
		NE	i		22	33				+	-	iN 22m 37s
		N	iSS_{II}		24	50				+		
		E	i		28	44						
		N	M		32	19	16	36			+	
		E	M		32	22	19	67				
			F	04	31	-						
		SEPTEMBER										
39	1	N	e	00	29	15		117°		-		U.S.C.G.S.:59.3°S,27.3°W
		N	iPP		29	26		13000Km		+		
		N	iPPP		31	47				+		
		N	iSKS		34	52				-		T_o = 00h 09m 35s
		N	iPS		39	07				-		
		N	i		40	00				-		No E-W result available
		N	eSS		45	57				-		
		N	eSSS		50	11				-		
		N	L	01	06	10						
		N	M_1		11	52	20	14				
		N	M_2		18	16	20	14				
			F	02	19	-						
40	1	E	iS	19	12	30			79°		-	U.S.C.G.S.:13.5°N,92.5°W
		E	iPS		13	30			8780Km		+	
		E	iSS		17	36					+	T_o = 18h 50.6m
		E	eSSS		21	23					+	
		N	e		26	08				+		
		E	L		35	30						
		E	M		42	25	15	3				
		N	M		44	42	15	1.5				
			F	20	02	-						
41	5	N	eP	02	42	45			22.8°	-		U.S.C.G.S.:80.0°N,2.3°W
		E	e		45	40			2540 Km		+	
		NE	eS		46	58				-	+	
		N	e		48	10				+		
		N	L		49	15						
		N	M		50	15	15	1.5				
		E	M		54	40	15	1				
			F	03	04	-						
42	5	NE	eS	06	29	03				+	+	
		NE	e		33	15				-	+	
		E	i		36	23					-	
		N	M		44	40	15	1.5				
			F		59	-						
43	5	N	i	11	45	03				+		U.S.C.G.S.:59.8°N,150.6°W
		E	iP_cP		45	18					-	
		N	e		47	18				+		
		NE	e,iS		53	10				-	+	
		E	iPS		53	39					-	
		NE	eSS		57	14				+	+	
		E	e	12	01	08				-	-	eN 01m 18s
		N	L		06	00						
		NE	M		13	43	15	1.5				
			F		53	-						

No. 7

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dir^n of Motion N	Dir^n of Motion E	Remarks Time of origin
	Aug.									
44	8	E	e	05 20 20					+	U.S.C.G.S.:51.8°N,131.2°
		N	e	23 20				+		
		E	L	24 30						
		E	M	27 16	16	2				
		N	M	27 38	16	2				
			F	50 -						
45	8	N	eP	11 41 27			115°	-		U.S.C.G.S:56.1°S,27.3°W
		N	e	44 56			12780 Km	-		
		N	ePP	45 52				-		
		N	iSKS	51 38				-		
		N	iSKKS	52 52				-		No E-W record available
		N	ePS	55 41				-		
		N	i	57 36				+		
		N	e	12 00 40				-		
		N	iSSS	05 56				-		
		N	L	18 40				-		
		N	M	27 33	23	98				
			F	14 13 -						
46	15	N	eS	01 58 03						
		N	L	02 06 18				-		B.C.I.S.:34¼°N,33½°E
		N	M	10 08	20	33				
			F	31 -						
47	17	E	i	09 19 38						
		N	e	20 25					+	U.S.C.G.S.:23.9°N,122.2°E
		NE	e,i	28 07				-		
		E	M	37 50	17	16		-	+	
		N	M	37 54	17	20				
			F	50 -						
48	19	NE	iSKS	02 47 42				+	+	U.S.C.G.S.:20.3°S,63.2°W
		E	i	48 17					+	
		NE	ePPS	51 37				-	-	Deep focus
		NE	eSSS	57 52				+	-	
			F	03 30 -						
49	19	E	e	10 02 08					-	
		E	i	08 22				-	+	iN 08m 27s
		N	iSKS	09 12				-	-	eE 09m 18s
		E	e	17 12					-	
		E	L	23 30						Effect on N-S slight
		E	M_1	26 42	20	2.5				
		N	M	29 18	20	2.5				
		E	M_2	34 18	18	2				
			F	45 -						
50	20	E	L	20 06 10						
		N	L	08 16						U.S.C.G.S.:3.6°S,150.9°E
		E	M	14 15	22	6.5				
		N	M	14 42	25	5				
			F	33 -						
51	24	NE	LM	22 26 30						U.S.C.G.S.:33.3°N,141.3°E
				-43-						
		N	M	32 28	20	2.5				
			F	44 -						

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SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

OCTOBER - DECEMBER, 1961

Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12M. Lithologic Foundation - Glacial deposit over boulder clay.

Instruments: Milne-Shaw Seismographs, Photographic Registrations, Two Components.

Compt.	Mass	To	Damping Ratio	Magnification	1" Tilt	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	E-W 4.11.60
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	N-S 4.11.60

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dir^{n} of Motion N E	Remarks Time of origin
	Oct.								
1	2	N	iP	07 27 24			25.8°	+	U.S.C.G.S.: 37.2°N, 22.2°E
		N	eS	31 54			2865 Km	-	
		N	i	33 07				+	
		N	L	37 30					
		N	M	41 42	13	5			
			F	55 -					
2	2	N	e	08 31 20				+	U.S.C.G.S.: 51.4°N, 179.4°E
		N	e	42 25				-	
		N	LM	53 20					
				09-00 -					
3	5	E	e	23 21 07				+	U.S.C.G.S.: 24.0°N, 121.9°E
		N	e	22 12				+	
		NE	M	30 22	15	2			
			F	36					
4	18	NE	eSKS	17 17 07			108°	- +	U.SC.G.S.: 36.7°S, 72.6°W
		E	iS	18 52			12000Km	- -	eN 19m 15s
		E	iPS	20 49				+	T_o = 16h 52.6m
		E	iPPS	21 38				-	
		N	iSS	26 29				+	
		E	L	46 18					
		N	M_1	56 25	20	11			
		E	M	56 37	17	22			
		N	M_2	18 02 15	17	20			
			F	19 21 -					
5	23	N	i	15 25 33				-	U.S.C.G.S.: 3.5°N, 126.4°E
		E	e	30 20				-	
		E	L	33 55					
		N	M_1	37 45	27	24			
		N	M_2	40 10	20	16			
		E	M	40 33	20	16			
			F	50 -					
6	26	E	e	01 33 44				-	U.S.C.G.S.: 3.1°S, 147.4°E
		N	e	41 53				-	
		NE	L	47 -					
		E	M	54 10	19	10			
		N	M	54 20	19	10			
			F	02 07 -					

No. 2

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Dir^n of Motion N E	Remarks Time of origin
	Oct.								
7	26	N	e	16 11 10				+	U.S.C.G.S: 0.4°S, 98.6°E
		NE	e	21 48				- +	
		NE	L	26 10					
		N	M	31 13	19	5			
		E	M	34 23	19	5			
			F	43 -					
8	29	N	e	09 39 17				-	U.S.C.G.S.: 49.0°N, 128.7°W
		N	L	43 05					
		N	M	47 35	20	13.5			
			F	57 -					
9	30	N	Traces	02 52 -					U.S.C.G.S.: 42.3°N, 126.7°W
				03 03 -					
10	30	N	i	08 47 11				-	B.C.I.S.: 74°N, 52°E
		N	i	48 36				+	Russian Megaton Explosion
		N	i	49 06				+	
		N	e	49 36				-	
		N	L	52 24					
		N	M	54 06	15	8			
			F	59 -					
	November								
11	3	N	i	00 28 54				+	U.S.C.G.S.: 54.5°N, 162.3°E
		N	e	36 50				-	
			F	49 -					
12	6	N	Traces	06 43 -					
				-56-					U.S.C.G.S.: 45.7°N, 147.9°E
13	12	E	e	02 48 15				+	U.S.C.G.S.: 8°N, 29.5°E
		N	eL	51 00				+	
		E	eL	51 40				+	
		E	M	56 10	15	1.5			
		N	M	56 55	16	2			
			F	03 08 -					
14	14	NE	iS	05 04 30				- -	U.S.C.G.S.: 7.3°N, 82.4°W
		N	e	07 20				-	
		E	eSS	08 55					
		N	M	18 00	25	6.5		-	
		E	M	20 15	20	2.5			
			F	46 -					
15	15	NE	iP	07 29 00			75.9°	- -	U.S.C.G.S.: 43.1°N, 145.1°E
		N	i	31 17			8435 Km	-	
		N	ePP	32 03				- -	iE 32m 09s
		NE	iS	38 42				- +	
		E	iPS	39 25				-	T_o = 07h 17m 15s
		N	i	40 45				+	
		E	eSS	43 50				-	
		E	i	48 20				-	
		NE	e	53 -				+ +	
		NE	L	58 -					
		N	M_1	08 03 55	22	33			
		E	M_1	05 10	20	27			
		N	M_2	07 20	20	44			
		E	M_2	09 00	15	18			
			F	11 -					

No. 3

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. mm	Δ° km.	Direction of Motion N	E	Remarks Time of Origin
	Nov.											
16	18	E	Traces	23	03	-						U.S.C.G.S: 23.7°N, 121.8°E
					-07	-						
17	19	E	Traces	04	32	-						U.S.C.G.S.: 18.4°S, 167.4°E
					-41	-						
18	20	E	iP	18	05	34					-	B.C.I.S.: 30.75°N, 40.5°W
		E	iPP		07	12					-	U.S.C.G.S.: 31.3°N, 40.9°W
		E	iS		11	26					-	Phases doubtful
		E	i		13	42					-	
		E	iSS		14	16					+	
		E	L		19	58						
		E	M		26	24	14	2				
			F		46	-						
19	27	E	L	06	43	18						
		E	L		48	40						U.S.C.G.S.: 31.6°N, 131.1°E
		E	M		52	00	12	3.5				
			F	07	00	-						
20	27	E	iSKS	17	35	48			111°		+	
		E	iPS		39	08			12330Km		-	
		E	i		40	47					-	
		E	iSS		45	48					+	
		E	i		50	54					-	
		E	L	18	06	42						
		E	M_1		09	32	25	4				
		E	M_2		14	37	20	4				
			F		36	-						
	December											
21	2	E	L	12	51	54						U.S.C.G.S.: 36.5°N, 8.6°E
		E	M		54	12	14	7				Obscured by microseisms
			F		58	30						
22	4	E	L	13	14	25						U.S.C.G.S.: 33.2°N, 95.3°E
		E	M_1		17	30	15	6				
		E	M_2		21	37	15	5				Obscured by microseisms
			F		32	-						
23	6	E	i	17	09	30					-	U.S.C.G.S.: 49.4°N, 155.2°E
		E	L		24	05						Obscured by microseisms
		E	M		28	52	20	7				
			F		40	-						
24	20	E	iP	13	37	23			77.5°		+	U.S.C.G.S.: 4.6°N, 75.6°W
		E	i		40	54			8610 Km		+	
		E	i		46	43					+	T_o = 13h 25m 30s
		E	iS		47	17					-	
		E	iPS		47	58					+	
		E	eSS		52	30					+	
		E	eL	14	01	08						
		E	M		09	38	20	5				
			F		45	-						
25	25	E	e	00	47	14						U.S.C.G.S.: 38.3°S, 74.6°W
		E	M		50	09	20	2.5				
			F		55	-						
26	28	E	e	00	26	00					+	U.S.C.G.S: 41.2°S, 175.7°E
		E	i		28	10					-	
		E	eSS		33	24					+	
		E	i	01	12	10					+	

M/D. 2781-61

No. 4

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

No.	Date	Compt	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. mm	Δ° km.	Direction of Motion N	E	Remarks Time of Origin
	Dec.											
26	28 contd.											
		E	L	01	14	10						
		E	M		34	32	20	7				
			F		57	-						
27	30	E	i	00	52	00			70.5		+	U.S.C.G.S.: 52.3°N, 177.7°E
		E	iPP		53	21			784 0Km		+	
		E	i		53	51					+	
		E	eS		59	54					-	
		E	iPS	01	00	25					+	
		E	i		01	52					-	
		E	iSS		04	38					-	
		E	eSSS		07	24					-	
		E	e		10	55					+	
		E	L		17	-						
		E	M		29	34	20	30				
			F	02	30	-						

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