

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

January - March, 1956

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.

Const.	Mass	To	Damping Ratio	Magnification	1" Tilt	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	7/9/55
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	7/9/55

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Jan. 3	N	e F	16 25 50 53 -				U.S.C.G.S.: 48 ¹ / ₂ ° N, 155° E Very slight: no maximum indicated. ? Deep focus
6	N	i F	12 31 20 40 -				U.S.C.G.S.: 40 ¹ / ₂ ° N, 26° E Very slight
8	E E E E N E	ePS eSS e eL e M F	07 34 20 38 40 41 - 53 - 56 - 08 02 24 21 -	15	2	79.7° 8855Km	U.S.C.G.S.: 17° N, 99 ¹ / ₂ ° W T ₀ = 07h 12.1m
8	E E N E N E NE E N	i eSKS iSKKS iS i iPPS L M M F	21 15 29 17 50 18 28 18 45 19 09 20 29 34 50 46 15 46 28 22 37 -	20 20	30 14	94.5° 10,500Km	U.S.C.G.S.: 19° S, 70° W T ₀ = 20h 54m 09s
10	N N N N N N N N	iPKP ₂ i i iSS e eL M ₁ M ₂ F	09 13 05 26 34 31 49 37 24 10 03 50 10 50 23 04 47 07 12 - -	15 15	16 18	164° 18220Km	T ₀ = 08h 52.3m
12	N N N	i i i F	05 55 58 56 53 06 00 12 01 -				U.S.C.G.S.: 47 ¹ / ₂ ° N, 20° E
14	N N	i M F	14 50 32 54 24 15 18 -	15	2		U.S.C.G.S.: 51 ¹ / ₂ ° N, 173° W Very slight

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Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Jan. 16	N	eP	23 50 06	20	22	84.4 ^o 9380Km	U.S.C.G.S.: 1/2 ^o S, 80 1/2 ^o W T _o = 23h 37m 40s
	N	i	50 39				
	N	iS	24 00 42				
	N	i	01 06				
	N	iSS	06 12				
	N	i	12 20				
	N	M F	26 34 26 20 -				
Feb. 9	N	e	14 51 30	15 15	32 35	90 ^o 10,000Km	U.S.C.G.S.: 32 ^o N, 116 ^o W Lower California: Shock and aftershock. E-W record lost during adjustment of apparatus.
	N	ePS	54 45				
	N	i	59 25				
	N	i	15 04 20				
	N	i	08 14				
	N	M ₁	14 52				
	N	M ₂ F ²	17 37 16 55 -				
12	NE	e, iPP	12 06 10	13 15	15 6	90 ^o 10,000Km	U.S.C.G.S.: 19 ^o N, 119 1/2 ^o E Luzon Shock. T _o = 11h 49.6m
	E	eSKS	12 53				
	E	iS	13 38				
	N	iPPS	14 48				
	NE	e, iSS	19 30				
	E	e	29 40				
	E	eL	34 30				
	N	eL	37 30				
	E	M	47 16				
	N	M F	47 58 13 32 -				
12	E	e	12 36 -47				U.S.C.G.S.: 18 ^o N, 120 ^o E Luzon aftershock
13	E	e	15 13 40	20	5		U.S.C.G.S.: Luzon aftershock
	E	M	17 22				
	E	F	27 -				
* 14	E	e	13 22 30	15	3		U.S.C.G.S.: Luzon aftershock 18 1/2 ^o N, 119 1/2 ^o E
	E	M	31 44				
	E	F	40 -				
14	E	e	19 04 15	20 15 16	11 5 9		U.S.C.G.S.: Lower California 1 ^o aftershock 31 1/2 ^o N, 115 1/2 ^o W
	N	e	05 20				
	N	e	09 20				
	N	i	12 14				
	N	M ₁	14 09				
	N	M ₁	15 30				
	E	M ₂ F	16 19 47 -				
15	E	e	01 52 35	16 15	4 8		U.S.C.G.S.: Lower California aftershock
	E	eL	57 45				
	N	e	59 30				
	N	M	02 02 31				
	E	M F	04 35 37 -				
18	N	i	07 45 40		82 ^o C		U.S.C.G.S.: 30 ^o N, 137 1/2 ^o E
	E	iP	46 22				
	N	i	47 06				

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			h.	m.	s.				
Feb. 18 (contd.)	N	i	48	46			9110Km	$T_0 = 07h\ 34m\ 50s$ Deep focus E 01m 00s	
	E	iPP	49	11					
	N	i	50	26					
	E	ePPP	50	47					
	NE	iS	55	54					
	NE	iPS	56	15					
	N	iSS	08 01	11					
	N	i	02	07					
	E	iSSS	03	56					
	E	e	15	35					
	N	e	16	30					
	E	M	27	26	20	25			
	N	M	29	26	15	6			
		F	09 26	-					
19	N	iPPP	02	32	32		64° 7110Km	U.S.C.G.S.: $52^\circ N, 131\frac{1}{2}^\circ W$	
	E	i	34	42					
	E	iS	37	15					
	N	i	40	57					
	E	iSS	41	27					
	NE	i, e	44	21					
	E	eL	48	30					
	N	eL	49	50					
	E	M	56	48	16	45			
	N	M	57	22	14	16			
		F	04 07	-					
19	E	eF	04 44	30				U.S.C.G.S.: $58\frac{1}{2}^\circ N, 154^\circ W$	
20	E	eP	20 37	24		27.5° 3055Km	U.S.C.G.S.: $39\frac{1}{2}^\circ N, 30\frac{1}{2}^\circ E$ Turkey $T_0 = 20h\ 31.5m$		
	E	i	39	15					
	NE	iS	42	00					
	N	i	42	32					
	E	iSS	43	50					
	NE	e	46	20					
	E	M	51	40	14			27	
N	M	51	48	13	18				
	F	21 40	-						
23	NE	iS	01 34	20		37.8° 4420Km	U.S.C.G.S.: $31^\circ N, 42^\circ W$ North Atlantic $T_0 = 01h\ 21m\ 05s$		
	NE	i, eSS	37	24					
	N	i	40	50					
		F	55	-					
29	E	e	21 33	30		22	7	U.S.C.G.S.: $23\frac{1}{2}^\circ N, 94\frac{1}{2}^\circ E$ Nothing readable on N-S	
	E	M	37	35					
		F	43	-					
March 3	E	e	18 26	20		13	4		
	E	M	32	23					
	N	eLM	32						
		F	-39						
5	E	e	07 41	10		15	16	Very slight effect on N-S	
	E	M	46	27					
		F	08 04	-					

No. 4

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Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
March 5/6	E	e	23	50	50	18	6	U.S.C.G.S.: $44\frac{1}{2}^\circ$ N, 144° E No visible effect on N-S	
	E	e	00	12	20				
	E	M F	14 49	15 -	-				
* 13	N	i	13	33	40	20	6	79.2 $^\circ$ 8800Km U.S.C.G.S.: 7° N, 82° W $T_o = 13h\ 13m\ 13s$ No maximum on N-S	
	N	iS	35	13					
	N	iPS	35	30					
	N	i	38	35					
	E	iSS	40	40					
	E	eL	50	15					
	E	M F	14 24	30 -					
16	E	iS	19	55	05	17	3	34.9 $^\circ$ 3880Km U.S.C.G.S.: 34° N, 36° E. No effect on N-S	
	E	iSS	57	28					
	E	e	20	02	25				
	E	M	09	45					
	E	F	17	-					
19	E	LM	18	44	-			Very slight: No N-S effect	
			19	00	-				
26	E	e M F	00	16	30	15	2	U.S.C.G.S.: 52° N, 159° E	
			18	09					
			23	-					
26	E	LM	04	49	-55			U.S.C.G.S.: 52° N, 159° E Very slight	

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N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	7/9/55
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	7/9/55

Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
April 2	NE	eS	11	14	17			93.6° 10,400Km U.S.C.G.S.: 2°N, 97° E. T = 10h 49m 55s.	
	E	ePS		15	32				
	NE	i		17	07				
	NE	e		41	-				
	E	M ₁		48	30	21	6		
	N	M		50	00	20	3		
	E	M ₂		54	30	19	7		
		F	12	23	-				
6	E	iP	07	20	20			51° 5665Km U.S.C.G.S.: 36½°N, 71°E. T ₀ = 07h 11m 32s. No N-S record available. LM only slightly developed. Deep focus.	
	E	ePP		22	17				
	E	iPPP		23	27				
	E	iS		27	22				
	E	i		28	22				
	E	eSS		31	10				
	E	LM		38	-				
		F		59	-				
10	E	iSKS	13	40	02			100° 11110Km U.S.C.G.S.: 3°S, 102E. No readable effect on N-S.	
	E	i		42	22				
	E	e		53	-				
		F		59	-				
✓ 22	E	e	05	46	20			U.S.C.G.S.: 6°S, 151½°E. Very slight on N-S.	
	E	eL		50	25				
	E	M		58	20	19	2		
		F		06	06	-			
✓ 22	NE	e	17	33	15			68° 7555Km U.S.C.G.S.: 54°N, 162°W. T ₀ = 17h 21m 58s.	
	E	e		37	40				
	NE	iS		41	56				
	N	eSS		46	48				
	E	eSSS		49	16				
	N	eL	18	02	50				
	NE	M		06	22	18	E 6) N 4)		
	F		19	07	-				
23	N	iP	03	43	37			76.3° 8480Km U.S.C.G.S.: 42½°N, 144½°E. T ₀ = 03h 31m 50s.	
	NE	iS		53	21				
	E	i		53	41				
	E	e	04	08	20				
	NE	e		13	20				
	E	M		17	30	19	6		
	N	M		24	10	16	2		
	F		50	-					

No. 2

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Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
May 7	E	e	12	12	20			U.S.C.G.S.: $46\frac{1}{2}^\circ\text{S}$, 96°E .	
	N	e		13	-				
	E	M ₁		18	28	20	7		
	N	M		22	14	20	3		
	E	M ₂ F		22 40	45 -	18	6		
13	E	e	08	12	-			U.S.C.G.S.: 30°N , 70°E	
	E	e		17	15				
	E	i		21	30				
	E	i		24	50				
	E	i		26	50				
	E	M		29	35	15	11		
	N	L-M F		27 40	-35 -				Very slight on N-S.
15	E	e	23	11	30			U.S.C.G.S.: 38°N , 22°E .	
	E	M		12	13	18	2		
	N	L-M F		12 20	-14 -				
18	E	e F	22	22	20 30			Very slight. U.S.C.G.S.: Near coast of Greece.	
✓ 19	E	e	02	37	15			U.S.C.G.S.: 7°S , 156°E .	
	E	M		52	15	20	3		
	N	L-M F		45 03	-55 11				
19	E	i	20	24	13			U.S.C.G.S.: 40°S , 43°E .	
	E	i		27	34				
	E	e		30	40				
	E	eL		48	20				
	E	M F		21	08 58	08 -	15		3
19	E	e	22	02	25				
	E	e		07	15				
	E	M		20	30	19	5		
	E	F		40	-				
✓ 22	E	i	04	07	25			U.S.C.G.S.: $15\frac{1}{2}^\circ\text{S}$, 173°W .	
	NE	e		12	15				
	N	M		17	38	20	3		
	E	M F		21 50	23 -	18	3		
22	NE	e	14	06	-			U.S.C.G.S.: 4°S , $152\frac{1}{2}^\circ\text{E}$.	
	N	e		12	10				
	E	i		13	25				
	E	e		28	10				
	N	e		32	10				
	E	M		47	-				
	F			15	04	-51 -			No definite maxima: deep focus

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Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
May 23	E	iPKP	21	08	11			138.5° 15390Km	U.S.C.G.S.: 15½°S, 179°W. Deep focus: no definite maxima.
	N	i		09	13				
	N	i		09	57				
	E	i		10	10				
	N	iPP		10	43				
	N	iSKP		11	35				
	NE	i		12	18				
	N	i		16	13				
	E	iS		19	18				
	N	i		22	15				
	NE	i		27	43				
	E	iSS		30	14				
	E	iSSS		35	26				
E	i		45	53					
	F		23	23	-				
June 3	E	i	05	36	18			U.S.C.G.S.: 79½°N, 118½°W. No effect observable on N-S.	
	E	i		37	13				
	E	iF		42	15				
4	NE	e	07	38	-			U.S.C.G.S.: 52°N, 170½°W.	
	N	i		46	28				
	E	e		50	25				
	E	M		58	35	17	2		
	N	M	08	02	38	15	2		
	F		37	-					
5	E	e	07	25	35			U.S.C.G.S.: 51°S, 112½°W. Very slight.	
		F		31	-				
8	E	e	04	35	15			U.S.C.G.S.: 35°N, 67½°E. Very slight Afghanistan foreshock.	
	E	M		20	33	15	2		
		F		50	-				
8	E	i	14	36	30			20	
	NE	i		39	48				
	E	eL		48	-				
	L	M		55	-				
				-57					
	N	M		56	-				
	F		-59						
			15	06	-				
9	E	iPP	10	27	08			103.5° 11500Km	U.S.C.G.S.: 30½°S, 70½°W. T ₀ = 10h 09m 00s.
	N	iPPP		29	23				
	N	i		30	37				
	NE	iSKS		33	33				
	NE	PS		36	21				
	E	iSS		42	14				
	E	e	10	49	28				
	N	eL		54	12				
	N	M ₁	11	02	25	27	5		
	E	M ₁		02	39	20	7		
	E	M ₂		11	43	17	14		
	N	M ₂		14	36	17	16		
	F ²	12	48	-					

No. 4

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Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
June 9/10	NE	iP	23	22	53			51.7° 5740Km	U.S.C.G.S.: 35½°N, 67½°E. Afghanistan. T ₀ = 23h 13m 50s.
	NE	iPP		24	47				
	E	iPPP		25	43				
	N	i		25	59				
	NE	iS		30	13				
	NE	iPS		30	51				
	E	iSS		33	40				
	N	i		33	53				
	N	iSSS		35	19				
	NE	L		40	33				
	N	M		44	25	15	260		
	E	M		48	35	12	190		
	F		02	55	-				
11	E	iP	08	26	12			17.8° 1980Km	U.S.C.G.S.: 52°N, 31½°W. Ne 29m 37s. T ₀ = 08h 22m 11s.
	E	eS		29	27				
	NE	eL		30	37				
	E	M ₁		31	32	20	6		
	N	M		32	22	15	3		
	E	M ₂		33	23	12	4		
	F		51	-					
12	E	e LM	09	49				U.S.C.G.S.: 9°S, 110°W. Very slight.	
		F		10	-56				
16	E	iSKS	06	42	36			86.0° 9560Km	U.S.C.G.S.: 28½°N, 131½°E.
	N	eSKKS		43	05				
	E	e		43	20				
	E	eL	07	03	10				
	N	e		08	20				
	E	M ₁	07	06.5		25			
				-8					
	N	M ₁		13					
				-16					
	E	M ₂		17.5		16			
			-19						
N	M ₂		18		12				
			-20						
	F		32	-					
23	N	iP	02	28	50			67.5° 7500Km	U.S.C.G.S.: 56½°N, 163½°E. T ₀ = 02h 17m 54s. N e 42m 20s.
	N	i		29	00				
	E	e		30	15				
	N	ePP		31	15				
	N	ePPP		32	28				
	E	e		33	20				
	NE	e		37	36				
	NE	iS		37	47				
	E	i		38	40				
	N	i		38	55				
	E	iSS		42	17				
	NE	eSSS		45	02				
	NE	e		51	20				
	NE	eL		56	-				
	N	M ₁	03	01	26	15	5		
	E	M ₁		01	30	17	12		
E	M ₂		03	55	17	12			
N	M ₂		07	22	15	6			
	F		04	16	-				

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Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
June 28	N	iP	23	09	40			66.2° 7355Km U.S.C.G.S.: 49°N , $129\frac{1}{2}^\circ\text{W}$. $T_0 = 22\text{h } 58\text{m } 58\text{s}$. N e 25m 45s.	
	E	ePP		12	15				
	N	iPPP		13	35				
	NE	iS		18	28				
	NE	iSS		22	36				
	E	eSSS		25	30				
	NE	eL		29	30				
	NE	M ₁		33	40	21	30 E 10 N.		
	E	M ₂		38	45	16	30		
	N	M ₂ F ₂		39 25	03 00	17	12		
✓ 29	NE	e	02	45	30			U.S.C.G.S.: 26°N , 122°E .	
	NE	eL	03	08	-				
	E	M		17	22	15	6		
	N	M F		17 33	41 -	17	2		
30	NE	e	02	04	20			U.S.C.G.S.: 44°N , 29°E .	
	E	M		08	12	12	2		
		F		13	-				

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Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
July 9	NE NE NE N N N E	e,i iP iPP iS L M M F	03 17 26 17 32 18 20 22 20 25 00 29 10 32 37 09 10 -	14 14	490 571	28.0° 2110Km	U.S.C.G.S.: 37°N, 26E Aegean Sea T = 03h 11m 40s Series of aftershocks followed throughout the following 24 hours.
* 9	E E NE E NE E E E	iP iPP iS i i eSS eL M F	10 06 33 09 04 15 06 15 27 16 26 19 26 25 20 28 26 55 -	23	7	63.5° 7055Km	U.S.C.G.S.: 20°N, 73°W T ₀ = 09h 56m 05s
9	NE E	e M F	20 30 40 35 30 39 -	15	2		U.S.C.G.S.: Aegean Sea aftershock
10	N E NE NE E	eS e e e,i M F	03 12 10 12 16 14 00 17 45 24 13 31 -	12	2		U.S.C.G.S.: Aegean Sea aftershock
16	E N E E NE E E E NE NE N E NE N E	iP i ePP i iS iPS i eSS iSSS e,i L L M ₁ M ₂ M ₂ F	15 19 01 19 45 22 15 24 11 28 38 29 06 30 36 33 10 37 31 42 20 46 36 47 06 50 06 55 17 55 58 17 50 -	22 18 14	N 66) E 101) 38 56	75.1° 8345Km	U.S.C.G.S.: 23 ¹ / ₂ °N, 96°E T ₀ = 15h 07m 23s

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
July 17	E	e	07	54	40				U.S.C.G.S.: 7°S , $126\frac{1}{2}^\circ\text{E}$
	NE	i		58	10				
	NE	i		59	23				
	NE	i	08	00	16				
	NE	i		02	10				
	N	i		08	32				
	NE	i		11	11				
	E	L		36	40				
	E	M		41	18	20	4		
N	M		45	40	16	2			
	F		09	00	-				
18	NE	ePP	06	39	02			116° 12890Km. U.S.C.G.S.: 5°S , 130°E $T_o = 06\text{h } 19\text{m } 26\text{s}$ E e, 55m 20s Lost during changing of charts	
	NE	i		39	20				
	NE	iPPP		42	12				
	NE	iSKS		44	23				
	N	iSKKS		45	41				
	NE	iPPS		49	18				
	N	iSS		55	06				
	E	L	07	07	46				
	N	eL		11	25				
	E	M		22	20	23	54		
	N	M ₁		22	24	22	16		
	N	M ₂		32	20	22	26		
	F ²		09	10	-				
19	N	e	21	26	-			U.S.C.G.S.: 15°N , $120\frac{1}{2}^\circ\text{E}$ Slight	
	N	M		41	05	18	2		
		F		47	-				
20	N	e	00	18	-			Very slight	
		F		42	-				
21	NE	e	00	27	-			U.S.C.G.S.: 1°N , 26°W	
	NE	eL		33	20				
	N	M		36	18	15	2		
	E	M		38	25	20	2		
		F		52	-				
21	E	iP	15	42	44		61.3° 6810Km. U.S.C.G.S.: 23°N , 70°E $T_o = 15\text{h } 32\text{m } 31\text{s}$		
	E	iPP		45	10				
	NE	iS		51	04				
	N	i		52	45				
	N	iSSS		57	35				
	NE	i	16	06	50				
	NE	i		09	22				
	E	M		16	03	15		6	
		F		58	-				
23	N	i	15	03	40			U.S.C.G.S.: $4\frac{1}{2}^\circ\text{S}$, 154°E ? Seismic	
	E	e		11	10				
	NE	i		23	00				
		F		29	-				
✓ 23	E	e	19	49	30			B.C.I.S.: 25°S , 116°W U.S.C.G.S.: 24°S , 102°W Very slight on N-S component	
	N	i		49	50				
	NE	e		52	10				
	E	e	20	03	10				
	E	e		16	25				
	N	e		17	20				
	E	M		36	00	18	2		
		F		21	46	-			

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.			
			h.	m.	s.							
July 28	E	e	15	27	30			Very slight: L-M waves only.				
	N	e		34	20							
		F		58	-							
30	N	e	05	57	30	16	2	U.S.C.G.S.: Aegean Sea after-shock				
	N	M		58	32							
	N	M	06	00	10							
✓ 30	N	eSS	09	27	00	22	11	B.C.I.S.: 36°N, 26°E				
	N	eL		29	40							
	N	M ₁		31	22							
	N	M ₂		34	40							
		F ²		58	-							
30	N	L-M	10	56	-			U.S.C.G.S.: Aegean Sea after shock.				
			11	03	-							
		F		09	-							
Aug. 4	E	e	10	35	25	20	3	U.S.C.G.S.: 57 ¹ / ₂ °S, 150 ¹ / ₂ °E Very slight on N-S component				
	E	M		59	30							
		F	11	39	-							
16 9	E	ePKP	23	20	-		138° 15330Km	U.S.C.G.S.: 15°S, 176°W				
	E	i		21	09							
	NE	iSKP		23	06							
	NE	i		24	29							
	E	iSKS		26	58							
	N	iPPS		34	33							
	E	iSS		39	34							
17 12	NE	eS	17	22	25	30	25	U.S.C.G.S.: 34°N, 138°E				
	NE	i		22	45							
	N	iPS		22	58							
	NE	eSS		27	57							
	NE	eL		42	-							
	E	M		43	38							
	NE	M		48	50							
		F	18	34	-							
	✓ 14	N	e	03	28				20	17	6	U.S.C.G.S.: Region of 46°S, 38°E
		E	e		29				55			
N		e		45	-							
NE		M ₁		51	58							
NE		M ₁		56	02							
E		M ₂	04	00	02							
N		M ₂		02	22							
	F ²		20	-								
15	NE	iSKS	05	43	45			U.S.C.G.S.: 0°, 101 ¹ / ₂ °E				
	NE	ePS		46	00							
		F		48	-							
15	NE	iPP	11	10	02			U.S.C.G.S.: 1 ¹ / ₂ °S, 123°E				
	NE	iPPP		12	20							
	NE	iSKS		16	00							
	E	i		18	27							
	N	i		18	40							
	NE	LM		44	-							
		F		50	-							
Lost in succeeding shock.												

M₂ 08 15 20 6
F² 06 08 - 17 10

16
17
17
20
23
24

N
NE
NE
E
E
N

N
NE
E
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E
N
NE
N

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
Aug. 30	NE	iS	04	44	30			U.S.C.G.S.: 54°N , 164°W	
	E	e		53	-				
	NN	e	05	03	50				
	E	M		07	00	15	1		
		M		12	54	15	1		
		F	Lost in succeeding shock						
30	N	i	05	48	52			U.S.C.G.S.: 41°N , $126\frac{1}{2}^\circ\text{W}$	
	NN	e	06	00	15				
	E	M		04	05	19	2		
		M		07	00	18	3		
		F		26	-				
Sep. 6	NE	eS	11	56	56			U.S.C.G.S.: Dodecanese region.	
	NE	e		57	46				
	E	M	12	04	49	13	2		
	N	M		05	50	13	2		
		F		24	-				
3	N	iP	18	12	44			20° 2220Km U.S.C.G.S.: $76\frac{1}{2}^\circ\text{N}$, 7°E $T_o = 18\text{h } 08\text{m } 11\text{s}$	
	NN	iPP		12	57				
	E	iS		16	25				
	N	i		16	46				
		F		25	-				
11	E	e	10	39	-			U.S.C.G.S.: 14°N , 91°W Disturbed by shaking of buildi	
	E	M		42	57	18	2		
		F		55	-				
16	N	iS	08	54	07			U.S.C.G.S.: 34°N , $69\frac{1}{2}^\circ\text{E}$ Afghanistan No E-W record available	
	NN	i		56	21				
	NN	i		58	06				
	NN	L	09	03	10				
	N	M		10	34	20	30		
		F		10	34	-			
16	E	e	14	56	-			Afghanistan aftershock No effect on N-S record	
		F	15	05	-				
16	E	e	18	26	40			U.S.C.G.S.: $36\frac{1}{2}^\circ\text{N}$, 26°E	
	NN	e		26	50				
	E	M		27	40	13	1		
	NN	M		27	45	10	1		
		F		32	-				
20	E	e	22	29	40			U.S.C.G.S.: $51\frac{1}{2}^\circ\text{N}$, $159\frac{1}{2}^\circ\text{E}$	
	NN	e		33	-				
	E	e		35	30				
	E	i		40	24				
	E	M		42	38	15	2		
	N	M		43	50	15	2		
	F		23	11	-				
20	E	e	23	15	00				
	NE	e		21	40				
	NE	M		30	32	20	8E) 4N)		
	N	M		34	05	25	4		
	F		24	07	-				
24	N	e	10	48	45				
	NN	M		51	50	15	2		
		F		11	08	-			

A.E.M.Geddes

No. 6

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. <i>u</i>	Δ° km.	Remarks: Time of origin.
Sep. 11		<u>Addenda</u>					
	N E N E	i i M M F	21 44 54 49 39 54 36 54 46 22 19 -	15 19	1 3		U.S.C.G.S.: 49 ¹ / ₂ ° N, 155° E

SEISMOLOGICAL BULLETIN



KING'S COLLEGE OBSERVATORY, ABERDEEN

October - December, 1956.

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., 19mm.	7/9/55, 8/11/56
E	1 lb.	10 sec.	20 : 1	150	18.1 mm., 18.1mm.	7/9/55, 8/11/56

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Oct. 8	E	eL	16 15 25	18	1		U.S.C.G.S.: 19 ¹ / ₂ °S, 174 ¹ / ₂ °W Very slight: no measurable effect on N-S.
	E	M	24 25				
11	E	F	31 -	20	58	73.2° 8145Km.	U.S.C.G.S.: 46°N, 150 ¹ / ₂ °E T ₀ = 02h 24m 36s No N-S record
	E	iP	02 36 05				
	E	iPP	38 55				
	E	iS	45 32				
	E	iPS	46 05				
	E	i	47 35				
	E	iSS	50 38				
	E	i	54 25				
	E	L	03 03 30				
	E	M	10 35				
11	E	F	05 16 -	35	64	72° 8000Km	U.S.C.G.S.: 40 ¹ / ₂ °N, 126 ¹ / ₂ °W T ₀ = 16h 48.8m
	NE	iS	17 09 35				
	E	i	13 40				
	NE	e, iSS	14 26				
	NE	L	17 40				
	E	M ₁	23 45				
	N	M ₁	24 45				
E	M ₂	28 30					
✓ 12	E	F ₂	18 30 -	15	3		U.S.C.G.S.: 15°S, 74 ¹ / ₄ °W Not readable on N-S
	E	ePS	03 03 30				
	E	i	09 17				
	E	eL	28 30				
	E	M	32 42				
12	E	F	54 -	15	3		U.S.C.G.S.: 42 ¹ / ₂ °N, 144 ¹ / ₂ °E
	E	L-M	13 12 - -19				
19	E	F	22 40 -	15	5	71° 7890Km	U.S.C.G.S.: 52°N, 177°E T ₀ = 20h 47.6m
	NE	i	21 04 30				
	E	iS	08 10				
	E	iPS	08 55				
	N	i	09 30				
	E	i	10 15				
	N	iSS	13 15				
	N	iSSS	16 00				
	N	i	28 25				
	E	M	38 31				
E	M	40 27					

No. 2

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
Oct 23	E NE	eL M	09	28	35	25	E 6) N 4)	U.S.C.G.S.: 3°N, 95°W	
		F		34	44				
			49	-	-				
24	E N N E N E N E N E	P i iS iPS i iSS eSSS L M ₁ M M ₂ F	14 15	54 01	19 39	22 20 18	163 38 91	78° 8670Km U.S.C.G.S.: 12°N, 87°W T ₀ = 14h 42.4m	
			04	14	04				
			04	42	08				
			09	19	09				
			12	39	12				
			18	-	18				
			22	36	22				
			25	01	25				
			26	11	26				
			17	35	17				
25	E E N	e M LM F	05 06	59 02	30 00	22	10	U.S.C.G.S.: 12°N, 87°W After shock of 24.10.56	
				03	03				
				-06-	-06-				
			19	-	-				
26	E N E N E	eSS e L M M F	23 24	30 01	20 -	20 20	3 3	U.S.C.G.S.: 14°S, 167°E	
			05	30	07				
			07	41	13				
			13	28	25				
			25	02	-				
28	N E E	e e M F	04 05	47 00	- 19	20	3	U.S.C.G.S.: 32°S, 179°W	
				48	25				
28	NE NE	e M F	11	33	-	22	10	U.S.C.G.S.: 14°N, 123 ¹ / ₂ °E	
				37	33				
				49	-				
29	N	LM F	16	27	-			U.S.C.G.S.: 8 ¹ / ₂ °S, 77°W	
				-30-	32				
30	N N N	i i M F	00	16	34	10	2		
				17	26				
				18	40				
				26	-				
31	E E NE N E N N E N E	iP iPP iS iPS i i iSS e iSSS M M F	14 14 19 20 20 22 22 23 24	12 12 34 38 14 21 22 48 24	39 39 39 39 21 22 48 24 11	18 19	20 29	48.3° 5365Km U.S.C.G.S.: 26 ¹ / ₂ °N, 54 ¹ / ₂ °E T ₀ = 14h 03m 53s	
			16	00	-				

No. 3

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
Nov 2	E N NE	eS eSS i F	16	14	08 08 20 34			U.S.C.G.S.: 39°N, 23°E	
4	E E E E	eSS e M ₁ M ₂ F ²	07	47	08 38 46 48 05	20 18	3 4	U.S.C.G.S.: 20 ¹ / ₂ °S, 176 ¹ / ₂ °W Very slight on N-S compt.	
9	E E N E NE N E E E E	e iPPP e iS iSKS iPS iPPS iSS iSSS M F	13	18	36 45 39 26 57 29 49 32 56 42 09	19	15	77° 8555 Km U.S.C.G.S.: 17°N, 94°W T _o = 13h 06m 14s	
14	E N NE N E NE E N E	ePP e iS i i iSS i M M F	01	02	32 47 40 40 50 40 32 28 23 -	20 16	3 4	51.5° 5720 Km U.S.C.G.S.: 36°N, 71°E T _o = 00h 51m 40s Ne	
16	E E N	e M M F	12	32	35 57 32 -	22 22	3 3	U.S.C.G.S.: 14°N, 123°E	
✓ 17	NE NE N E N E N	iS e e e L M M F	20	46	12 25 20 45 45 30 55 -	17 16	8 9	U.S.C.G.S.: 54 ¹ / ₂ °N, 134°W	
18	N E	e i F	05	50	25 22 -				
18	E	e F	19	50	35 -			U.S.C.G.S.: 27°S, 176°W No readable effect on N-S	
20	N	LM	23	34	-42-			U.S.C.G.S.: 39 ¹ / ₂ °N, 25 ¹ / ₂ °E	
25	NE N N	e i M F	15	25	30 59 19 -	9	8	U.S.C.G.S.: 18 ¹ / ₂ °S, 72°W	

No. 4

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
Nov. 28	N	e	20	07	-				
	E N	e LM		09	-				
					-17-				
	E	M F	16	35		20	3		
			27	-					
29	E	eS	09	39	26			U.S.C.G.S.: 27°N, 141°E	
	E	iPS		40	21				
	NE	i		41	36				
	E	iSS		45	32				
	NE	e	10	06	06				
	E	M ₁		09	37	20	4		
	N	M		10	26	20	6		
E	M ₂ F ²		11	39	22	5			
			31	-					
Dec. 2	N	LM	03	56	-			U.S.C.G.S.: 52 ¹ / ₂ °N, 169°W	
			04	04	-				
3	N	LM	08	07				U.S.C.G.S.: 53 ¹ / ₂ °N, 169°W	
					-10				
4	E	i	23	23	25			U.S.C.G.S.: 15°N, 92°W	
	E	eL		41	25				
	E	M		44	38	20	3		
	E	F		48	-				
8	E	e	16	31	03		72° 8000 Km	U.S.C.G.S.: 51°N, 179 ¹ / ₂ °W	
	NE	S		31	13				
	NE	SS		36	03				
	N	i		39	53				
	E	e		47	28				
	N	e		48	12				
	E	M ₁		55	52	20			11
	N	M		59	35	20			4
	E	M ₂ F ²	17	05	52	19			7
				29	-				
18	E	iSKS	02	55	49		99.9° 11100 Km	U.S.C.G.S.: 25 ¹ / ₂ °S, 68 ¹ / ₂ °W T ₀ = 02h 31.3m	
	NE	i		55	54				
	N	iS		56	44				
	E	iPS		57	54				
	NE	iPPS		58	14				
	NE	iSS	03	03	31				
	E	iSSS		07	05				
	NE	eL		17	-				
	N	M		24	44	25			43
	E	M		25	19	20			55
		F	04	07	-				
21	N	iP	09	09	28		68.0° 7555Km	U.S.C.G.S.: 51°N, 131°W T ₀ = 08h 58.5m ° No E-W record	
	N	i		17	32				
	N	iS		18	27				
	N	iPS		19	05				
	N	i		24	26				
	N	iSSS		25	46				
	N	L		31	-				
	N	M		38	24	14			43
		F	10	23	-				

No. 5

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. <i>u</i>	Δ° km.	Remarks: Time of origin.
			h.	m.	s.				
Dec. 25	E	i	09	42	56				
	E	i		45	36				
		F		58	-				
27	N	iPKP	00	33	33		146.7° 16300Km	U.S.C.G.S.: 24°S, 177°W No E-W record Deep focus. A.E.M.Geddes	
	N	i		34	52				
	N	i		35	22				
	N	iPP		36	52				
	N	iSKS		40	30				
	N	i		43	12				
	N	i		52	07				
	N	iSS		56	32				
	N	i		59	57				
		F		02	00 -				

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