

Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12 m.

Lithologic Foundation: Glacial deposit over boulder clay.

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

Cmpts.	Mass	T ₀	Damping Ratio	Magnification	1° Tilt	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	24/7/41
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	29/11/41

Date	Component	Phase	Time G.M.T.			Period	Ampl.		Remarks	
			h.	m.	s.		μ	km.		
Jan. 7	NE	e	11	54	6	20				
		N	12	2	11					
		F		15	-					
27	NR	1	13	59	3	25	48			
	E	1	14	9	55					
	E	eL		23	-					
	N	L		25	-					
	N	N		30	28					
	N	L _R		32	-					
	N	L _R		36	18					
	N	M		39	48				20	27
	N	M ₂		41	36				24	90
	N	F	15	45	-					
30	NR	1	12	35	57	25	30			
	N	L	13	1	2					
	N	L		1	12					
	N	M		3	24					
	N	L _R		5	59					
	N	L _R		6	22					
	N	M		7	57				20	22
	N	M		9	24				20	22
	N	F		50	-					
	1	N	1	18	7				8	23
N		1		7	57					
N		eL		11	7					
N		eL		11	12					
N		N		13	37					
N		F		14	37	25	13			
Feb. 5	E	L	1	33	-	15				
	N	M		36	-					
	N	F		40	-					
3	E	e	21	5	18					
	E	eL		14	18					
	N	F		31	-					
21	NR	1	7	19	53	30	25			
	NR	1		29	54					
	E	1		30	28					
	E	1		35	7					
	E	L		46	16					
	N	M		51	26				26	24
	N	M ₁		52	14				20	23
	N	M ₂		57	23					
	N	F		40	-					

No trace on E-S component.

79.4°
8820



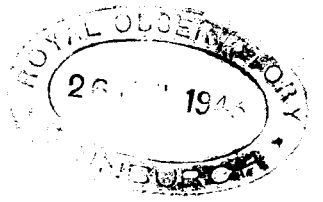
Date	Component	Phase	Time G.M.T.			Period	Ampl.		Remarks
			h.	m.	s.		A	Δ	
						s.	μ.	km.	
Mar. 1	N N N	eL	10	31	17	19	10		
		eL		33	32				
		M		39	6				
		F		52	-				
5	NE N	1	20	8	27				
		1		9	12				
		F		21	-				
8	N N	1	5	5	-				Times uncertain owing to failure of relay for time break. No N-S record.
		1		11	-				
		F		53	-				
11	N N N N	e	22	47	7	15			
		e		47	17				
		M		50	2				
		M		50	12				
		F		54	-				
19	NE N N N N	e	13	26	16	25 20	13 8		
		eL		29	46				
		eL		30	11				
		M		33	8				
		M		36	11				
		F		57	-				
20	N N N N N	e	1	33	26	20			
		e		41	36				
		e		47	46				
		e		48	6				
		eL		53	26				
		M		55	18				
		F	2	18	-				
20	N N	e	3	11	56				
		e		12	11				
		F		17	-				
21/22	N N N N N N N N	1P	23	33	21	36 20	36 35	80.2° 8910	N-S record missing through failure of light.
		1		36	49				
		1S		43	26				
		1		44	32				
		1		49	16				
		eL		59	53				
		M ₁	24	3	46				
		M ₂		19	3				
		F		58	-				
		22	N N N N N	1	2				
1				20	16				
1				29	38				
1				35	36				
eL				41	6				
F				51	-				
30	NE N N	1	9	20	37	26 26	14 14		
		M		22	49				
		M		23	7				
		F		50	-				

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

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

Compts.	Mass	T ₀	Damping Ratio	Magnification	1° Tilt	Date from which constants apply
H	1 lb.	10 sec.	20:1	150	18.1 mm.	24/7/41
H	1 lb.	10 sec.	20:1	150	18.1 mm.	29/11/41

Date	Component	Phase	Time G.M.T.			Period	Ampl.		Remarks.	
			H.	M.	S.		μ.	mm.		
Apr. 8	NE	1P	15	53	54		83.1°	9235		
		1PP		57	6					
		1		58	1					
	NE	1S	16	4	15					
		1PS		5	0					
		1		6	45					
	N	1L		25	13	37	300			
		N ₁		28	10					
		N ₂		33	56					
	N	N ₁		34	2	24	238			
		N ₂		34	2					
		F		51	-					
	8	NE	1L	20	20	-	20	7		
			N ₁		25	26				
		N	N ₁		30	19	18	8		
			N ₂		31	15				
	9	NE	F	21	3	-	18	5		5
			N	0	46	14				
N			1	56	22					
9	NE	N	1	57	14	20	5	5		
		N	1	10	-					
		F	5	34	-					
9	NE	N	5	43	22	18	18	110		
		N	5	58	-					
		F	9	25	-					
13	NE	1	8	0	4	22	37	26		
		1		8	21					
		1		11	5					
		1		16	22					
		1		16	34					
		1		19	7					
		1		21	15					
14	NE	1P	2	25	54	33	290			
		1PP		29	4					
		1		29	36					
NE	1		31	1	33	292	139			
	1		32	24						
	1S		36	18						
NE	1PS		37	1	20	139				
	1SS		41	21						
	1SSS		44	51						
NE	1L ₁		49	11	33	290				
	1L ₂		50	31						
	1L ₃		52	11						
NE	N ₁		54	44	20	139				
	N ₂		3	48						
	F		36	45						



Trace lost between 8h. 1m. and 8h. 5m. during changing of chart.

83.5°
9280



King's College Observatory,
Aberdeen.

Date	Component	Phase	Time G.M.T.			Period	Ampl.		Remarks
			h.	m.	s.		A	E	
May 15	NE	e	2	58	22				
	E	N	3	0	32	10			
	N	F		0	40	10			
21	NE	i	3	52	27				
	NE	e		57	17				
		F	4	20	-				
21	NE	Traces from 7h. 58m. to 8h. 8m.							
23	NE	e	14	1	0			Traces.	
		F		10	-				
24	E	i	3	50	7			No N-S record: light failed.	
		e	4	17	27				
		F		45	-				
25	N	e	22	4	18			No E-W record: light failed.	
		N		7	20	25	9		
		F		26	-				
28	NE	1P	1	20	39			72.8° 8090	
	NE	1		27	29				
	NE	1S		30	4				
	E	1PS		30	39				
	NE	eL		55	30				
	NE	M	2	10	39	20	33		
28	E	i	3	29	50			Doubtful on N-S.	
		F		34	-				
28	NE	i	14	49	40			72.8° 8090	
		F		56	-				
29	NE	1P	5	37	12			22.3° 2480	
	NE	1S		41	11				
	N	L		42	30				
	E	L		42	45				
	E	M		43	29	12	14		
	N	F	6	9	-	12	10		
31	N	i	2	51	50				
		i		52	20				
		F	3	15	-				
June 1	NE	i	9	11	9				
	NE	e		18	30				
	NE	i		27	23				
	NE	L		33	5				
	E	M		35	10	10	10		
	N	F		35	13	10	9		
1	E	i	12	17	17			N-S record obscured by shaking of building.	
		M		22	0	13			
		F		31	-				
2	E	e	1	5	30				
	E	e		9	30				
	E	eL		18	10				
	E	M		21	37	30	19		
	N	M		32	25	20	6		
	N	F	2	2	-				

Date	Component	Phase	Time G.M.T.			Period	Ampl.		Δ km.	Remarks
			h.	m.	s.		A	B		
June 10	NE	i	10	46	4					
	NE	eL	11	10	4					
	E	N ₁		14	26	30	19			
	N	L		17	34					
	N	N ₂		19	38	28	30			
	N	F		20	2	20	19			
				57	-					
14	NE	e	3	28	14					
	E	e i		37	24					
	NE	L		42	43					
	NE	F	4	0	38					
				58	-					
16	E	i	4	58	35					
	N	i		58	40					
	NE	e	5	4	35					
	NE	e		7	55					
	N	F		8	30	12	5			
				29	-					
16	NE	iP	5	46	55					
	NE	iB		52	35				35.8°	
	NE	L		57	8				3980	
	N	M	6	1	15	12	13			
	N	F		1	35	17	22			
				30	-					
18	NE	i	9	49	46					
	NE	i	10	4	46					
	NE	eL		18	-					
	N	L		25	31					
	N	M		27	31	30	38			
	N	F	12	27	58	24	24			
				8	-					
21	NE	i	4	49	31					
	E	i		50	46					
		F	5	11	-					
24	N	e	11	47	49					
	E	e		48	29					
	E	e	12	35	50					
	N	e		36	30					
	N	M		57	12	22	40			
		F	13	6	42	21	58			
				59	-					

New Zealand
Earthquake.

SEISMOLOGICAL BULLETIN.

No. 1

July - Sept., 1942.

King's College Observatory,
Aberdeen.

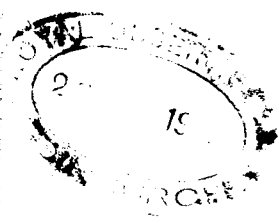
Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12 m.

Lithologic Foundation: Glacial deposit over boulder clay.

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

Compts.	Mass	T ₀	Damping ratio	Magnification	1" Tilt	Date from which constants apply
M	1 lb.	10 sec.	20 : 1	150	18.1 mm.	24:7:41
A	1 lb.	10 sec.	20 : 1	150	18.1 mm.	29:11:41

Date	Component	Phase	Time G.M.T.			Period	Ampl.		Remarks	
			H.	M.	S.		A	△		
			H.	M.	S.	S.	mm.	mm.		
July 3	NE	e	3	9	-					
	N	i		24	0					
	N	i		25	0					
	N	N		25	39	25	22			
8	N	N		25	54	25	22			
	N	F	4	7	-					
	NE	LP	7	13	21			80.2°		
	NE	LP		23	26			8910		
	N	i		27	51					
	N	i		28	1					
	NE	LP		40	56					
	N	N		46	36	18	52			
	N	N		50	58	18	17			
	N	F	9	15	-					
12	NE	i	5	28	8					
	N	e		34	11					
	N	e		39	51					
	NE	eL		49	-					
	N	N		54	11	20	4			
	N	N		58	24	15	5			
	N	F	6	45	-					
	25	NE	i	6	40	15				
		NE	i		46	39				
		NE	i		47	33				
N		i		54	12					
N		i		54	25					
N		eL	7	8	19					
N		eL		10	-					
N		N		24	19	20	5			
N		F		55	-					
29/30		NE	e	23	8	19				
	NE	i		14	44					
	NE	i		32	34					
	N	e		44	24					
	N	e		44	44					
	N	N		53	24	21	9			
	N	N		55	19	23	15			
	N	F	1	25	-					
	Aug. 1	N	i	12	54	2				
		N	i		54	9				
N		i	13	7	56					
N		e		26	44					
N		i		26	49					
NE		eL		54	29					
N		N	14	19	31	20	11			
N		F		23	29	18	11			
			51	-						



Aug			h.	m.	s.		u.	mm.	
1	NE	1	14	52	9				
	NE	eL	15	36	0				
	NE	L		40	0				
	NE	L		43	0				
	NE	L		45	0				
	NE	M		46	1	20		6	
	NE	M		51	14	18		6	
	NE	F	16	49	-				
6/7	NE	1P	23	48	54			77.4°	
	NE	1PF		51	54			8600	
	NE	1S		58	44				
	NE	1	0	0	44				
	NE	1		3	34				
	NE	1SS		7	32				
	NE	1		7	52				
	NE	1		9	59				
	NE	1		10	24				
	NE	L		12	4				
	NE	L		12	50				
	NE	M		15	31	28		332	
	NE	M		17	7	28		842	
	NE	F	3	19	-				
8	E	1	22	58	17				
	NE	eL	23	14	45				Very slight on N-S
	NE	M		25	47	18			
	NE	F		38	-				
12	NE	e	20	53	40				
	NE	F	21	4	-				
13	NE	e	16	56	50				
	NE	M	17	4	42	18			Very slight on E-W
	NE	M		4	52	20			
	NE	F		16	-				
15	E	eL	16	0	54				
	E	M		16	57	20			Very doubtful on N-S owing to shaking of building.
	E	F		33	-				
22	NE	e	9	41	11				
	NE	M		47	51	18			
	NE	F	10	10	-				
23	E	1	6	55	31				
	E	e	7	5	56				N-S lost through failure of light.
	E	eL		19	30				
	E	M		29	21	18			
	E	F	8	25	-				
24	NE	1P	23	3	41				
	NE	1		7	33				N-S e.
	NE	1S		14	13			85.5°	
	NE	1		21	48			9500	
	NE	1		25	13				
	NE	L		27	8				
	NE	L		36	33				
	NE	M		44	23	18		180	
	NE	M		45	43	16		255	
	NE	F	4	20	-				
25	E	e	20	40	-				
	E	M	21	11	4				N-S very slight.
	E	F	22	-	-	16			



Date	Component	Phase	Time G.M.T.			Period	Ampl.		△	Remarks
			h.	m.	s.		A	B		
						s.	μ.	km.		
Aug. 27	NE	1	6	19	2					
	NE	1		22	56					
	NE	1		26	47					
	NE	1		28	33					
	E	N		29	48	10	10			
	N	F		29	54	10	12			
				56	-					
Sept. 1	E	1	9	53	32					
	N	1		54	22					
	E	1		56	57					
	N	1		59	42					
	N	L	10	2	7					
	N	L		2	42					
	N	N		3	50	15	10			
	N	F		6	17	15	8			
				33	-					
9	N	1	1	45	28				Light failed on W-E compt.	
	N	L	2	0	38					
	N	F		8	8	17	4			
				51	-					
24	NE	1	4	1	58					
	N	e		12	48					
	N	e		22	8					
	N	e		25	0					
	N	L		27	28	20	28			
	N	L		31	33					
	N	L		31	48					
	N	N		34	37	18	29			
	N	F		34	48	17	40			
				35	-					



SEISMOLOGICAL BULLETIN.

No. 1

Oct. - Dec., 1942.


King's College Observatory,
Aberdeen.

Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12 m.

Lithologic Foundation: Glacial deposit over boulder clay.

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

Compts.	Mass	T ₀	Damping Ratio	Magnification	1° Tilt	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	24/7/41
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	29/11/41

Date	Component	Phase	Time G.M.T.			Period	Ampl.		Remarks
			h.	m.	s.		A	E	
Oct. 1	N	e P	18	13	0				Very slight.
9	NE E N	e L eL P	16	28	0				 <p>N-S record missing through fault of relay.</p>
20/21	E E E E E	i i i L N L N P	23	41	45				
				48	8				
			0	50	31				
				13	15	35	83		
				17	41	12	34		
21	N N E N	e eL eL N N P	16	46	-				
				58	20				
				58	30	16	9		
			17	3	22	15	16		
26	N N N N	i i eL N P	21	26	41				
				30	25				
				46	20	20	10		
				54	32				
28	NE NE E	i i N P	2	35	0				
				39	12				
				43	55	12	12		
				47	-				
28	E E E	i e N P	9	6	45				
				22	30				
				30	20	20			
				43	-				



Date	Component	Phase	Time G.M.T.			Period	Ampl.		Δ	Remarks
			h.	m.	s.		A	B		
						s.	μ	km.		
Nov. 3	N N N N N N N N N N N N	1 1 1 1 1 1 1 1 1 1 1 1	0	23	12					
				28	12					
				34	0					
				49	32					
			1	40	40					
				40	40					
				30	30					
				10	15					
				17	30					
			2	20	-					
10	N NE NE N N N N N N N N N	1 1 1 1 1 1 1 1 1 1 1 1	11	55	33					
			12	0	23					
				0	36					
				4	40					
				7	36					
				10	18					
				15	50					
				19	8					
				27	26					
				29	38					
				35	30					
				37	0					
	44	58								
	45	53								
15	N N N N N N N N N N N N	1 1 1 1 1 1 1 1 1 1 1 1	13	37	40					
				38	55					
				47	30					
				50	18					
				52	18					
				53	46					
			16	20	-					
15	E E E	1 1 1	17	14	20	15	18			
				16	30					
				19	50					
15	E E E	1 1 1	17	47	30	16	22			
			18	58	-					
				3	50					
18	NE	1 1 1	0	12	-				Very slight.	
				19	-					
21	N N N	1 1 1	14	16	38	20	11		Light failed on E-W.	
				21	15					
				33	-					
22	N N N	1 1 1	17	29	8	20	6		Very slight on E-W.	
				40	38					
			18	-	-					
26	E E E N	1 1 1 1	14	48	28				No definite maximum on either component.	
				57	28					
			15	9	-					
				10	-					
28	E E E E	1 1 1 1	10	56	21	10	46		31.6° 3510	
			11	1	34					
				4	8					
			12	6	38					
			12	35	-					



Date	Component	Phase	Time G.M.T.			Period	Ampl. A B	△	Remarks	
			h.	m.	s.					s.
Dec. 2	N N N	1 eL F	19	17	45					
					21					20
					22					20
					41					-
4	N N N	e e N N F	15	46	-	25			Slight.	
			16	21	-					
				32	40					
				37	25					
11	NE N	e N N F	2	49	40	18	22			
				58	52					
19	NE N N N N	1P 1S L L N N F	23	34	0	17		90.4° 10,050		
				44	56					
			0	55	3					
				5	57					
20	NE NE E N N	1P 1S L L N N F	14	9	59	20	534	27.7° 3080		
				14	44					
				19	0					
				19	5					
27	N N	eL N F	17	26	22	16	4			
				36	25					
				58	-					
29	E E NE NE E N	1P 1 1S L N N F	3	49	14	12	52	10.3° 1145	Obscured by microseisms.	
				49	44					
				51	10					
				51	39					
31	N N E E E N	1 1 L L L N N F	12	18	23	16	24			
				20	25					
				25	35					
				25	59					
		27	45	16	30					
	29	46								
		30	48							
		41	-							

