

SEISMOLOGICAL BULLETIN.

No. 1.

January - March, 1944.

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.	5/1/43
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	29/12/42

Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks	
			h.	m.	s.					
Jan. 5	NE NE	e	7	24	-	12	μ	km.		
		M F	8	5	13					
5	E N E N E N N E E N E	i	21	32	47	24 24 25	16 50 35			
		i		33	57					
		i		36	56					
		i		37	56					
		i		44	31					
		i		50	0					
		eL		56	8					
		eL		57	57					
		M ₁		22	10					15
		M ₂			11					15
10	NE NE E N NE E N	i	20	22	11	26 23	42 18			
		i		32	18					
Feb. 1	NE NE N E	iP	3	28	20	18 17	2444 1740	29.4° 3265		
		iS		33	18					
		M		41	30					
		M F	7	35	-					
1	N E	i	21	39	51					
		i		40	31					
		F		51	-					
2	NE NE	i	3	43	51	20	7			
		M F	4	6	-					
4/5	N E N	i	23	50	34					
		i		53	14					
		i		55	19					
		F	00	2	-					
5	E N NE N E E N	e	17	42	55					
		e		44	5					
		e		53	53					
		L	18	2	54					
		L		3	34					
		M		15	45					
		M		15	52					
		F		41	-					



SEISMOLOGICAL BULLETIN.

No. 2.

January - March, 1944.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period s.	Ampl. μ.	Δ km.	Remarks
			h.	m.	s.				
Feb. 6	E	1	17	11	46				
	N	i		11	56				
		F		18	-				
10	NE	1	12	20	12			Very slight.	
		F		34	-				
15	N E NE	1	5	46	58	15	10		
		i		47	20				
		M		49	39				
		F		54	-				
19	NE N E	1	11	41	58	13 15	15 21		
		M		43	48				
		M		43	58				
		F		54	-				
19	E N E	1	13	51	28	20	8		
		e		53	38				
		M		54	48				
20	NE NE E	1	19	35	10	16	7	Max. indefinite on N-S.	
		L		38	22				
		M		39	49				
		F		49	-				
21	NE E	L	00	32	20	13	3		
		M		34	40				
		F		40	-				
21	NE N E E	e	15	28	25	12	9		
		L		32	25				
		L		32	43				
		M		34	39				
		F		51	-				
21	NE	1	17	40	41				
21	NE	1	20	20	6				
		F		30	-				
22	E N	1 i	2	20	6				
	F	21		21					
				25	-				
23	N E E	L	1	34	23	13	5		
		L		35	17				
		M		37	18				
		F		47	-				
29	E NE NE N NE E N E E	1P	3	54	20	16 16	5 9	85.6° 9510	
		1		55	35				
		1S		4	51				
		PS		5	25				
		1		6	30				
		1		11	20				
		L		19	20				
		L		24	58				
		M		34	50				
		M		35	5				
29	E N NE	P i i	16	40	33			82.7° 9080	
				40	48				
				43	29				



SEISMOLOGICAL BULLETIN.

No. 3.

January - March, 1944.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks
			h.	m.	s.				
Feb. 29 (Cont.) ✓	E	i	16	47	26				
	NE	iS		50	51				
	NE	i		51	6				
	NE	i		55	36				
	E	i	17	0	16				
	N	L		4	40				
	N	M ₁		11	30	28	110		
	NE	L		13	27				
	N	M ₂		20	54	20	77		
	E	M _F		20	59	20	101		
			19	37	-				
Mar. 6	NE	e	20	37	27				
		F		55	-				
6/7	NE	e	23	44	57				
		F	00	3	-				
✓9	NE	iP	22	20	30			65° 7220	
	NE	i		24	30				
	NE	iS		29	12				
	NE	iS		29	42				
	NE	i		31	33				
	E	iSS		33	40				
	NE	L		38	0				
	N	M		41	55	19	248		
	E	M _F		46	2	18	224		
		F	1	45	-				
✓10	NE	i	7	2	25				
	E	eL		16	30				
	N	eL		20	0				
	E	M		25	11	20	6		
	N	M _F		25	29	20	6		
		F	8	12	-				
15	E	e	5	20	26				
	N	e		24	36				
	NE	i		30	31				
	E	i		34	52				
	N	i		35	14				
	E	i		42	6				
		F		55	-				
15	N	i	6	17	6				
	E	e		18	31				
		F		32	-				
15	E	i	6	44	30				
	N	i		47	28				
		F	7	1	-				
✓22	N	i	1	2	45				
	N	i		12	4				
	N	i		18	15				
	N	L		39	25				
	N	M _F		42	49	27	14		
		F	2	20	-				
✓31	NE	i	3	11	41				
	NE	i		21	21				
	NE	eL		27	40				
	N	L		48	30				
	E	L		49	46				
	N	M _F		54	46	25	9		
		F	4	0	0	26	12		
				42	-				

These are perhaps
a continuation of
previous shock



SEISMOLOGICAL BULLETIN.

No. 1

April - June, 1944.

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.	28/3/44
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	28/3/44

Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks								
			h.	m.	s.												
April 5	N N N N N N N	1 1 L L M M F	4	51	6	22 18	7 6										
				51	36												
				54	51												
				55	36												
				56	54												
				57	44												
				13	-												
				9	E E E					1 L M F	18	59	46	20	5		Not measurable on N-S.
												19	1				
												19	51				
19	58																
26	NE NE NE NE NE NE N N N N	1 1 1 1 1 1 L M M F	2	13	54	22 23 28 22	27 30 44 27										
				23	31												
				23	54												
				29	56												
				40	7												
				49	49												
				54	22												
				54	49												
				1	12												
				4	57												
				25	-												
				27	NE NE N N N N N N N N					1 1 1 1 1 1 L M M F	14	56	50	27 26 21	12 13 2		
												57	7				
												7	47				
13	33																
17	33																
24	42																
29	42																
36	33																
37	10																
46	10																
May 6	NE N N E	1 L M M F	00	25	22	17 18											
				34	17												
				37	24												
				37	39												
				16	-												
				16	-												
19	NE E N	1 M M F	00	41	18	18 18	4 4										
				01	40												
				01	47												
				01	41												
				01	17												
				02	44												



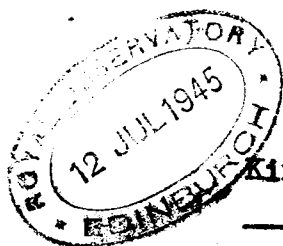
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks.
			h.	m.	s.				
May 20	NE N	1 e F	23	34	27				These two disturbances on May 20 & 21 may arise from same source.
				39	2				
21	NE N	1 M F	24	40	10	11	3		
			00	0	-				
V25	NE N N N N N N N N	1P 1 1 1 1 1 1 1 1 1	01	24	57	22	7	147.4° 16380	
				38	37				
				45	17				
				46	20				
				50	7				
				51	14				
			02	7	37				
				10	43				
				26	24				
				23	-				
V25	N NE NE NE E NE E N N	1P 1 1S 1 1 L M N ₁ N ₂ F	13	17	27	24 28 22	64 63 57	71° 7890	
				18	52				
				26	42				
				35	37				
				48	30				
				55	33				
			14	0	37				
				0	51				
				10	17				
				53	-				
28	NE NE	1 1 F	00	3	20				
				12	7				
June 9	NE E N E E N	e L e L N N F	21	4	45	20 20	8 8		
				29	30				
				31	10				
				38	20				
				47	0				
				43	14				
16	NE NE N E E N	e 1 L L N N F	22	10	-	16 16	9 15		
				14	7				
				33	25				
				39	2				
				41	2				
				44	40				
21	NE E E E E	e 1 1 e L N F	11	18	12	17	4	Effect on N-S compt. slight.	
				39	46				
				59	11				
				13	0				
				31	21				
				20	-				
25	E E	e N F	01	49	11	15		No record on N-S.	
			02	55	21				
25	NE NE NE E E E	1P 1 1S L 1 N F	04	22	17	15	16	30.9° 3430	
				26	47				
				27	15				
				33	22				
				34	21				
				34	54				
			05	15	-				



Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks
			h.	m.	s.				
June 25	E E	1	07	8	14				No N-S record.
		L		14	31				
		F		29	-				
25	E	e	15	30	20				
		F	16	37	-				
25	E E E	1	17	59	3				N-S record too faint to read.
		L	18	9	20				
		L		20	5				
		F		58	-				
✓28	NE	1S	08	20	49			37.00 9665	P phase missing. Interval 8h.40m.- 8h.42m. lost during chart changing.
	E	1		21	31				
	E	1		29	17				
	E	1		29	24				
	E	1		31	36				
	E	L		35	4				
	E	M ₁		38	11	22	43		
	E	M ₂		44	32	20	47		
	E	F		46	57	19	113		
		F		11	30				

No. 1



SEISMOLOGICAL BULLETIN.

July - September, 1944.

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.		28/3/44
E	1 lb.	10 sec.	20	1	150	18.1 mm.		28/3/44

Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks
			h.	m.	s.				
July 2	E	eL	22	55	-				No trace on N-S.
		F	23	10	-				
12	E	e	8	26	0				Very slight. Doubtful on N-S owing to shaking of building.
		F	9	20	-				
13	NE E E N	i	11	8	34				
		L		33	45				
		M		42	52	17	4		
		F		43	0	17	3		
17	NE NE NE E N E N E	i	10	44	0				
		e		58	52				
		i	11	6	42				
		i		13	2				
		L		13	52				
		L		16	42				
		M		19	15	18	11		
		F		20	0	18	11		
19	E N NE E NE N E	e	10	34	1				
		e		34	11				
		i		44	37				
		L	11	3	11				
		L		8	41				
		M		19	23	17			
		M		20	23	18			
		F	13	2	-				
20	E N NE	e	10	47	6				
		e		48	1				
		M		53	56	20			
		F	11	15	-				
20	N E	e	20	49	1				Very slight.
		e		52	11				
		F	21	23	-				

Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks
			h.	m.	s.				
July 27	N E E N NE NE NE N E	iP i i i iS i L M M F	00	15	19	24 24	8 8	66° 7335	
				15	29				
				17	11				
				19	51				
				24	6				
				31	55				
				37	19				
30	NE NE N E NE	iP iS L L M F	04	6	13	17	E14 N8	35° 3890	
				10	48				
				14	58				
				15	8				
				16	28				
Aug. 2	N E N E	eL eL M M F	23	32	6	21 20			
				33	16				
				35	24				
				36	6				
				52	-				
7	E N NE E NE E E	i e i i L L M M F	03	38	34	17 18	14 24		
				39	34				
				49	14				
			04	51	12				
				10	14				
				13	52				
				19	46				
05	20	42							
	30	-							
9	NE	e F	17 18	53	30				
				5	-				
10	NE E NE E N	i e L M M F	02	12	7	17 17	20 12		
				19	47				
				25	2				
			03	31	54				
				32	40				
10	E N E N	eL eL M M F	11	43	0	16 16			
				43	11				
			12	2	39				
				3	21				
14	N N	e M F	15	10	0	25	9		
				15	3				
				40	-				
15	N N	e M F	02	6	39	22	3		
				10	49				
				25	-				
18	E E E	i i eL F	10 11	55	4				
				1	12				
				15	12				
				50	-				



Aberdeen.

Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks
			h.	m.	s.				
Sept. 3	NE N	e M F	20	23	19	17			
				45	26				
			21	27	-				
6	E N	e e F	14	2	6				
				2	26				
11	NE NE NE N E NE E N	i i i e e L M M F	10	3	37	28 20	30 11		
				4	38				
				10	34				
				25	12				
				26	17				
				35	12				
				45	50				
14	E NE N E	e eL M M F	07	3	22	22 22	10 10		
				35	52				
				45	14				
			08	45	-				
23	NE NE E N E N	iP iS L L L M M F	12	24	7	34 20	149 58	72° 8000	
				33	28				
				43	12				
				47	57				
				45	27				
				13	15				
23	E	e F	17	29	57				Very slight: no trace on N-S.
			18	1	-				
27	E N E N E E N	i i i L L M M F	16	41	31	16 14	40 27		
				44	8				
				45	30				
				50	11				
				51	17				
				57	19				
				59	53				
30	E N	e M F	4	30	0	20	6		E-W very slight.
				32	40				
				44	-				
30	N E N	e e M F	8	9	30	16	3		E-W very slight.
				11	-				
				16	29				
				23	-				

No. 1.

October - December, 1944.

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.	28/3/44
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	28/3/44

Date	Components	Phase	Time G.M.T.			Period	Ampl.	△	Remarks
			h.	m.	s.				
Oct. 2 ✓	NE	i	20	51	30				
	E	eL	21	7	9				
	N	eL		9	10				
	E	M		13	14	25	8		
	N	M F		13 42	22 -	25	6		
3	E	i F	17	13 17	14 -				Very slight. Obscured on N-S by shaking of building.
✓ 5	NE	i	17	47	58				
	N	i		51	15				
	N	i	18	1	23				
	E	i		9	56				
	N	i M F		10 40 19	2 23 56	25	9		
✓ 6	NE	iP	2	40	14				
	NE	iS		44	51			26.6°	
	N	iSS		45	52			2955	
	N	L		47	13				
	E	L		47	50				
	E	M		51	9	17	164		
	N	M F		53 4	24 35	16	269		
14	N	e	3	17	39				
	E	i		21	0				
	N	M		33	57	20	4		
	E	M F		36 50	15 -	18	4		
14	N	e	6	17	40				
	E	i		20	49				
		F		29	-				
14	NE	e	21	11	50				
	NE	M		14	15	E 27 N 28	E 7 N 8		
		F		36	-				
✓ 17	E	iP	18	47	16				
	NE	iS		55	34			60.0°	
	N	L	19	5	14			6665	
	E	L		7	54				
	NE	M		10	12	E 30 N 28	E 56 N 132		
	E	M ₂ F		14 20	34 15	20	17		

SEISMOLOGICAL BULLETIN.

No. 2.

October - December, 1944.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period s.	Ampl. μ.	Δ km.	Remarks
			h.	m.	s.				
Nov. 6	N	i	6	19	29				
	N	e		21	44				
	E	i		24	43				
	E	i		26	20				
	N	i		30	4				
		F		35	-				
15	E	i	21	5	20				
	N	i		5	51				
	NE	i		12	5				
	NE	i		14	52				
	N	i		20	32				
	E	i		20	51				
	NE	L		36	10				
	N	M		42	23	30	62		
	E	M ₁		43	52	28	53		
	E	M ₂		48	34	25	57		
		F		22	45	-			
16	E	e	12	30	0				
	NE	i		32	30				
	N	i		33	44				
	NE	i		50	30				
	E	e	13	7	0				
	NE	L		16	15				
	N	M		31	7	20	49		
	E	M ₁		33	38	20	33		
	E	M ₂		37	51	18	38		
		F		15	16	-			
Dec. 7	NE	iP	4	48	16				
	NE	iPP		51	38			87.2°	
	E	i		54	46			9690	
	N	i		54	51				
	NE	iS		58	56				
	NE	iSS	5	4	32				
	E	i		9	46				
	N	i		14	16				
	E	M		26	36	22	1333		
	N	M		29	41	20	1205		
		F		9	25	-			
8	N	e	18	48	-				
	E	e	19	0	-				
	NE	M		15	3	20	5		
	E	M		15	45	20	5		
		F		35	-				
10	E	i	05	37	54				
	N	i		38	44				
	N	M	06	26	42	18	3		
		F		46	-				

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period s.	Ampl. μ .	Δ km.	Remarks
			h.	m.	s.				
Dec. 10	N E N N N E N N E N	i	16	44	24				
		i		44	54				
		i		48	4				
		i		54	14				
		i	17	11	15				
		L		23	34				
		L		28	57				
		M ₁		36	56	25	11		
		M		44	51	23	7		
		M ₂		50	24	20	11		
F		18	49	-					
12	N E NE NE E N N E	i	04	28	31				
		i		29	48				
		i		37	48				
		i		42	18				
		L		47	43				
		L		51	23				
		M		55	9	25	22		
		M	05	4	43	20	6		
		F	06	-	-				
12	N NE E N	i	10	48	53				
		i	11	0	41				
		M		14	6	15	5		
		M		18	5	15	11		
		F		45	-				
19	NE E N	eL	14	45	30				
		M		49	13	22	27		
		M		49	22	22	27		
		F	15	41	-				
22	N N E	eL	23	15	42				
		M		25	17	20	9		
		M		25	47	20	7		
		F		51	-				
30	NE	i	00	37	16				North of England earthquake. E-W shows slight irregularity from 00.36.20. Both components un- steady from 00.31.45 to 00.34.28.
		F		39	-				
30	NE N E	L	22	31	22				
		M		38	33	26	6		
		M		38	58	28	10		
		F		49	-				