

12 JUL 1945

No. 1

SEISMOLOGICAL BULLETIN.

January - March, 1945.

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.				
Jan. 1	N	i	01	26	51	20 18	8 20		
	E	i		27	1				
	NE	i		31	53				
	E	L		34	52				
	N	L		35	11				
	E	M		38	12				
8	N	M	02	38	34	15			
	E	F		15	-				
	N	i		22	55				36
	E	i		23	55				58
12	N	F	19	7	-	15 15	18 18		
	NE	i		19	1				5
	NE	e			12				34
	E	i			17				31
	NE	i			22				55
	NE	L			26				10
	N	M			29				50
	E	M			30				7
13	E	F	12	12	55	13	4	Very slight: N-S trace almost negligible.	
		F		13	14				-
16	E	i	14	22	30	13	4	Only slight effect on N-S.	
	E	M		31	50				
		F		41	-				
18	NE	i	03	21	20	15	16	N-S maximum not well defined.	
	E	M		22	44				
		F		29	-				
18	NE	i	03	54	10				
		F		59	-				
Feb. 10	NE	iP	05	9	48	40 33	178 177	77.4° 8600	
	NE	iS		19	38				
	NE	iSS		24	50				
	E	L		33	53				
	N	L		34	58				
	E	M		36	11				
	N	M		39	16				
		F		46	-				
		F		07	46				-
Appears to cease on E-W component at 06h. 40m. commencing again at 07h. 15m. Slight effect on N-S observable in this interval. Effect more marked on both components between 07h. 15m. and 07h. 30m.									

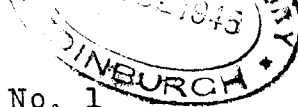
SEISMOLOGICAL BULLETIN.

No. 2.

January - March, 1945.

 King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks
			h.	m.	s.				
Feb. 11	NE	e	21	42	48			Slight on both components.	
	NE	M		51	43				
		F	22	4	-				
13	NE	i	11	41	25				
		F		59	-				
✓ 18	NE	i	10	29	53				
	N	e		39	16				
	E	L		44	38				
	N	L		46	18				
	NE	M		54	9	E19 N21	47 58		
		F	11	41	-				
26	NE	e	22	31	-			Only slight indications of disturbance between 22h. 31m. and 23h. No definite maxima.	
	E	eL	23	0	51				
	N	eL		2	31				
		F		35	-				
Mar. 2	NE	i	09	50	9				
	NE	L		55	50				
	N	M		58	34	20	27		
	E	M	10	3	3	15	11		
		F		23	-				
Dismantled from 7/3/45 to 21/3/45.									
✓ 23/24	NE	i	23	50	28				
	NE	i	00	0	30				
	NE	i		11	36				
	N	L _Q		25	25				
	E	L		28	26				
	N	L _R		36	6				
	E	M		47	0	27	49		
	N	M		49	28	20	63		
		F	01	34	-				



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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.				
Apr. 10	E N	i i F	02	5	55				
				6	10				
				27	-				
10	E N E	e M M F	17	0	11				
				3	56	20	4		
				4	5	20	6		
				31	-				
15	NE N	e M F	20	29	7				
				36	0	17	3		
				56	-				
May 1	N N E	e M M F	23	45	23				
				49	14	22	5		
				49	25	22			
				58	-				
19	N E N E NE E NE E N N	i i i i i i L M ₁ M ₁ M ₂ M ₂ F	15	18	34				
				20	55				
				21	20				
				23	3				
				27	57				
				32	23				
				40	47				
				45	2	23	13		
				45	33	22	20		
				49	54	16	18		
				51	10	16	15		
				16	24	-			
			25	NE N	e M	13	47	20	
14	15	2				15	6		
June 3	E NE E N E N	i i i L L M F	13	26	46				
				27	26				
				32	31				
				38	0				
				40	31				
				47	3	23	7		
				14	27	-			

W-E very slight.

No definite max^m. on N-S.

SEISMOLOGICAL BULLETIN

No. 2.

April - June, 1945.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period	Ampl.	Δ	Remarks	
			h.	m.	s.					s.
June 4	E	i	12	19	9					
	NE	i		27	33					
	NE	L		42	33					
	E	M		47	9	15	18			
	N	M		47	18	14	7			
		F	13	31	-					
6	NE	e	01	36	45				Whole distur- bance slight. Max ^m . appears about 01 h. 46 m.	
		F	02	15	-					
6	NE	i	07	6	27					
		E		8	45	9	11			
		N		8	55	9	15			
			F		29	-				
7	E	e	01	38	47				N-S very slight.	
		M		41	57	15				
		F		47	-					
20	NE	i	01	45	6					
		E	02	7	16					
		N		9	56					
		E		15	3	15				
		F		38	-					
20	E	i	17	46	48				Light failed on N-S.	
		E		56	26					
		E	18	16	56					
		E		24	55	20				
		F	19	6	-					
22	NE	i	09	39	38				No definite maximum.	
		L		58	57					
		F	10	39	-					
22	NE	iP	18	10	42				6355° 57.2°	
		iS		18	34					
		iSSS		24	23					
		L		29	40					
		N	M		36	48	15	15		
		E	M		36	57	13	17		
		F	19	35	-					
25	E	i	08	7	21					
		N		10	57					
		N		13	14	17				
		E		14	4	17				
			F		41	-				

KING'S COLLEGE OBSERVATORY
11 NOV 1945

No. 1

SEISMOLOGICAL BULLETIN.

July-September 1945.

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	To	Damping Ratio	Magnification	1" Tilt	Date from which constants apply.
N	1 lb.	10 sec.	20:1	150	18.1	23/3/44
E	1 lb.	10 sec.	20:1	150	18.1	28/3/44.

Date	Components	Phase	Time G.M.T.			Period	Ampl	△	Remarks
			h	m	s				
July 15	NE E E E E E E	i i i eL L M M F	05	52	48	23	8 5	Km	
			06	0	14				
				2	7				
				7	5				
				20	46				
				26	15				
				28	45				
22	E N N E E E	e e eL eL M M F	11	3	20	24	8 5		
				3	40				
				22	20				
				27	30				
				31	36				
				39	31				
				57					
23	E N E E E E E E E E E	e e i i i i L L M M F	04	8	0	23	21 14		
				12	0				
				18	16				
				18	54				
				26	6				
				31	35				
				31	54				
				36	19				
				41	17				
				46	20				
				49	59				
				05	55				
			Aug. 1	NE N E NE NE E N	iP iPP iPP is i M M F				
	39	11							
	39	20							
	46	35							
	57	25							
23	18	42							
	18	51							
2	E NE NE N E	i i eL M M	18	8	38	17	4 3		
				16	7				
				40	20				
				44	42				
				53	42				

SEISMOLOGICAL BULLETIN.

No. 2.

July - September 1945.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period	Ampl.	△ km	Remarks
			h.	m.	s.				
Aug. 2.		F	19	13			<i>M</i>		
2.	E	e	21	11	20				
	N	e		15	27				
	N	M		19	40	18	5		
	E	M		19	46	18	5		
		F		50					
4.	NE	i	14	54	22				
	NE	i		57	46				
	N	i	15	1	7				
	E	i		1	46				
	N	M		7	50	18	11		
	E	M		8	0	20	16		
		F		27					
8.	NE	i	10	16	22				
	N	eL		35	20			No definite max. on E-W	
	E	eL		36	15				
	N	M		43	20	22	13		
		F	11	16					
14.	NE	i	12	34	15				
	NE	L		57	10				
	E	M ₁	13	0	53	18	7		
	N	M ₁		0	55	17	14		
	E	M ₂		9	6	13	9		
	N	M ₂		9	12	15	18		
		F	14	10					
21.	N	i	20	25	10				
	N	i		25	50				
	N	i		38	31				
	N	eL	21	18	25	18		Effect on E-W very slight	
	N	M		38	40				
		F	22	22					
28.	N	e	19	36	47				
	N	i		44	2				
	N	L	20	3	1			E-W out of order	
	N	M		9	20	19	17		
		F	21	5					
29.	N	i	10	42	12				
	N	i		44	57				
	N	i	11	3	16				
	N	i		17	37				
	N	L		32	0				
	N	M ₁		45	20	19	20		
	N	M ₂	12	28	15	17	18		
		F	13	53					
31.	N	eL	00	38	30				
	N	M		45	24	20	3		
		F	01	38					

SEISMOLOGICAL BULLETIN

No. 3.

July - September 1945.

King's College Observatory.

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

Lithologic Foundation: Glacial deposit over boulder clay.

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

Date	Components	Phase	Time G.M.T.			Period	Ampl	△ KM	Remarks.
			h.	m.	s.				
Sept. 1/2 <i>Aug 12</i> <i>12/1</i> <i>12/1</i>	N	e	23	4	24	22	83		
	N	i		5	18				
	N	i		9	13				
	M	i		15	41				
	N	i		22	57				
	N	i		30	10				
	N	i		36	2				
	N	L		00	3				20
	M		00	26	29				
	F		01	57					
5/6	N	e	22	9	25	21	52		
	N	i		19	28				
	N	i		27	4				
	N	L		49	20				
	N	M		23	5				23
	F		00	46					
6.	N	e	01	57	17				
	N	eL	02	31	7				
		F	03	45					
7.	N	iP	15	53	8		27.7° 3080		
	N	is		56	53				
		F	16	42					
8.	N	e	04	56	15	21	6		
	N	M	05	8	24				
		F		40					
9.	N	e	04	23	53	18	3		
	N	i		26	6				
	N	i		32	17				
	N	i		49	1				
	N	L		05	10				17
	N	M		05	21				44
	F		06	36					
13.	NE	i	11	45	3	18"		Phases indistinct	
	NE	L	12	12	15				
	NE	M		23	20				
		F		31					
14.	NE	i	02	20	5				
	E	i		26	7				
	E	i		28	0				
	E	i		28	15				
	N	F		59	30				

SEISMOLOGICAL BULLETIN

No.4.

July - September 1945.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period	Ampl.	△ km.	Remarks
			h.	m.	s.				
Sept. 19	N N	i	12	46	4	20	7		Very slight on E-W
		M	13	40	14		7		
		F		39					
Sept 23	NE E N	i	16	11	26	20	8 14		
		M		14	18				
		M		14	28				
		F		34					
Sept 28	N N N N E E N	e	22	30	15	16 17	4 16		
		c		46	5				
		i		52	53				
		L		57	14				
		L		58	14				
		M	23	6	13				
		M		7	51				
		F		43					

SEISMOLOGICAL BULLETIN

No.1.

October-December 1945

King's College Observatory.
Aberdeen.

Lat. 57°10' N.

Long. 2°06' W.

Height above M.S.L. 12m.

Lithologic Foundation: Glacial deposit over boulder clay.

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

Compts	Mass	To	Damping Ratio	Magnification	1" Tilt	Date from which constants apply
N	1 lb	10 sec.	20:1	150	18.1	23/3/44
E	1 lb	10 sec.	20:1	150	18.1	28/3/44.

Date	Components	Phase	Time G.M.T.			Period	Ampl	△	Remarks	
			h	m	s					
Oct. 1 <i>2.50 v</i> <i>10.40 v</i> <i>BULLETIN</i> <i>1945</i> <i>7.</i>	N	i	05	34	53	secs.	<i>M</i>	km.		
	N	i		44	3					
	E	i		51	9					
	N	M		53	58				17	4
	E	M		55	13				17	2
		F	06	16						
	N	e	14	0	2					
	E	i		4	5					
	E	M		11	7	15	3			
		F		35						
19.	N	iP	14	48	15			69.0 7560		
	NE	iS		57	49					
	N	L	15	12	22	32	69		Effect slight on E-W	
N	M		16	43						
		F		55						
16.	N	i	16	24	11					
	E	i		27	12					
	NE	i		27	55					
	E	i		31	14					
	N	i		31	23					
	N	L		56	11					
	E	L		57	21					
	E	M		17	1	55	22	27		
		M			13	16	20	11		
		F			48					
21.	NE	i	03	44	20					
	NE	e		55	2					
	NE	L	04	4	30					
	E	M		16	34	16	15			
	N	M		16	38	16	29			
		F		48						
26.	NE	e	14	7	23					
	N	M		14	13	20	47		Obscured by micro-seisms	
		F		33						
28.	N	e	00	50	8					
	E	e		51	23					
		F	01	20						

No. 2.

SEISMOLOGICAL BULLETIN.

October-December 1945

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T.			Period	Ampl.	△ km	Remarks.	
			h	m	s					
Oct. 29.	N E N	eL	11	25	7	secs.	/			
		M		33	10	18				8
		M F	12	33	22	18				29
Nov. 3.	N N	e	22	30	6	17	6		No record on E-W	
		M		45	20					
		F		58						
18.	NE E N N E	i	09	15	17	15 14	11 10		Renewal of disturbance between 10h 11m and 10h 16m: lost during changing of chart: end 10h 33m.	
		L		18	57					
		L		19	17					
		M		20	0					
		M F		20	27					
20.	N E N N E	e	06	43	12	18 18	4			
		e		49	12					
		L		47	14					
		M		51	55					
		M F	07	52	21					
27.	NE	i	12	53	28					
		F	13	48						
27.	NE NE NE E E E N E	iP	22	6	31	15 15	1339 500	56.8° 6310	Karachi earthquake	
		i		9	16					
		iS		14	23					
		i		14	37					
		iSS		18	43					
		i		32	53					
		M		33	3					
		M		38	53					
		M		02	25					
		F								
30.	E N NE	e	13	3	13	E20 N22	3 5			
		e		4	13					
		M F		14	8					
Dec. 8.	N E N E N	e	01	34	42	26 25	42 65			
		e		34	49					
		eL	02	2	42					
		eL		6	7					
		M M F		13	7					
19.	N N N	i	04	26	36	27	45		W-E component out of action	
		L		47	3					
		M		54	32					
		F	05	31						
		F								

