No. 1.

SEISMOLOGICAL BULLETIN

April - June 1940.

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_o	Damping Ratio	Magnification	1" Tilt	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	2nd April, 1940.
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	2nd April, 1940.

Date	Component	Phase	Time G.M.T. h.	m.	s.	Period s.	Ampl. A E μ	△ km	Remarks
April 6	E	e	14	19	6				
	E	eL		24	30				
	E	F		56	-				
10	N	eL	21	6	11				
	N	M		14		17			
	N	F		12					
13	N	i	6	40	9				No E-W record owing to breaking of lamp filament.
	N	i		40	24				
	N	i		41	5				
	N	i		42	21				
	N	L		46	16				
	N	M		49	59	21	16		
	N	F	7	5	-				
16	NE	iP	6	19	0			69.7°	
	N	iPP		21	43			7745	
	NE	iS		28	8				
	N	iSS		32	21				
	NE	i		36	35				
	E	L_Q		38	13				
	E	L_R		41	25				
	N	L_R		41	30				
	N	i		46	8				
	E	i		47	50				

ROYAL OBSERVATORY 27 JUL 1940 EDINBURGH

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Date	Component	Phase	Time G.M.T. h.	m.	s.	Period s.	A E	△ km.	Remarks
April 16 (Cont.)	NE	M	6	56	15	18	50(N) 40(E)		
		F							Overlapped by next shock.
16	E	L	7	15	-				
	N	M		20	58	20	57		
	E	M		24	41	18	47		
		F	9	15	-				
19	NE	eL	15	25	-				
	E	M		30	30				
	N	M		31	25				
		F		50	-				
20	NE	e	20	34	20				Very slight particularly W-E compt.
		F		46	30				
22	NE	e	12	38	-				
		F		53	-				
24	N	e	11	25	-				
		F		54	-				
27	N	e	10	44	24				Very faintly indicated on W-E compt. from 10h.48m.-11h.50m.
	N	i		46	1				
	N	i		48	16				
	N	e		51	30				
	N	L_Q	11	1	25				
	N	L_R		6	50				
		M		10	15	15	5		
		F		57	-				
May 4	NE	iP	7	35	29				E eP
	NE	iS		44	41			70.4°	
	N	i		45	24			7820	

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Date	Component	Phase	Time G.M.T. h.	m.	s.	Period s.	Ampl. A E μ	Δ km.	Remarks
May 4 (Cont.)	E	i	7	58	46				
	NE	L	8	4	14				
		F		49	-				
4	E	eP	21	10	12			44.9°	
	E	i		12	24			4990	
	NE	iS		16	50				
	N	i		19	51				
	E	iSS		20	4				
	N	L		26	32				
	E	L		28	39				
	N	L		29	21				
	E	M		34	26	15	20		
	N	M		37	46	12	13		
		F	22	45	-				
5	E	eP	2	16	34			89.4°	
	E	iSKS		27	4			9930	
	N	iS		27	24				N-S effect very slight.
	E	L		50	24				
	E	M		58	26	20	4		
		F	3	38	-				
7	E	iP	22	30	14			32.8°	
	E	iPP		31	27			3640	
	NE	iS		35	34				
	NE	i		37	41				
	NE	L		42	39				
	N	M		44	25	20	14		
	E	M		45	4	18	17		
		F	23	32	-				

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Date	Component	Phase	Time G.M.T. h.	m.	s.	Period s.	Ampl. A E μ	△ km.	Remarks
May 11	E	e	14	7	15				
	N	e		9	15				
	N	i		13	39				
	E	i		15	8				
	NE	eL		20	15				
	NE	eL		28	15				
	NE	M		42	35	18			Amplitude very small.
		F	16	38	-				
17	E	e	2	11	40				
	NE	i		21	35				N-S component very small.
	N	eL		33	30				
	E	eL		35	30				
	E	M		53	35	18			
		F	3	17	-				
19	NE	iP	4	48	36			75.5°	
	N	i		51	22			8390	
	E	i		51	27				
	N	i		58	4				
	NE	iS		58	16				
	NE	i	5	8	6				
	N	L		10	35				
	E	L		11	20				
	E	M		16	50	20	59		
	N	M		18	36	17	60		
	E	M	7	6	30				By path greater than 180°.
	N	M		27	30				
		F	8	5	-				
19	NE	i	15	44	16				Commenced during interval or changing
	NE	e		51	16				
		F	16	45	-				

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Date	Component	Phase	Time G.M.T. h.	m.	s.	Period s.	Ampl. A E μ	△ km.	Remarks
May 19	E	e	18	54	30				
〃	E	L	19	1	51				
	E	M		10	30				
	N	M		12	48				
		F		42	-				
〃 24	NE	e	7	59	46				Doubtful if of seismic origin.
		F	8	19	-				
24									
	NE	iPP	16	50	56			88.5°	First impulse occurred during interval of changing.
	E	i		57	0			9840	
	NE	iSKS		57	54				
	N	iS		58	16				
	NE	i		58	26				
	NE	i		58	57				
	E	iPS		59	35				
	N	i		59	55				
	NE	iSS	17	4	10				
〃	NE	i		7	25				
	E	L		10	27				
	N	L		10	50				
	N	M_1		13	45	33	430		
〃	N	M_2		15	35	30	356		
	E	M_1		21	12	27	152		
	E	M_2		24	38	23	126		
		F	21	25	-				
24/25	NE	iP	22	10	56			94.0°	
	E	i		13	15			10440	
	NE	iSKS		21	25				
	E	iS		22	9				
	NE	i		22	39				

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Date	Component	Phase	Time G.M.T. h.	m.	s.	Period s.	Ampl. A E μ	△ km.	Remarks
May 24/25	E	e	22	27	57				
	E	L		34	18				
	E	M		46	45	22	7		
	N	M		48	15	24	8		
		F	1	0	-				
28	N	i	10	0	48				
	E	i		4	53				
	NE	i		7	40				E e.
	NE	L		37	-				
	N	M		46	28	27	10		
	E	M		50	30	25	9		
		F	12	20	-				
29	NE	iP	2	6	55			50.8°	
	N	iPP		8	55			5645	
	NE	iS		14	10				
	E	i		16	45				
	N	iSS		17	45				
	NE	L		23	-				
	N	M		29	40	15	15		
	E	M		29	50	13	8		
		F	3	49	-				
29	E	e	15	44	-				
		F		57	-				Very slight.
June 2	NE	eL	23	30	24				
	N	M		31	34	16	4		
	E	M		31	38	16	4		
		F		45	-				

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Date	Component	Phase	Time G.M.T. h.	m.	s.	Period s.	Ampl. A E mm	△ km.	Remarks
June 3	NE	i	18	27	17				
	N	L		38	24				
	E	L		38	37				
	NE	L		41	30				
	N	M		51	37	15	4		
	E	M		52	39	18	5		
		F	19	37	-				
5	NE	eP	11	14	14			48.8°	
	NE	ePPP		16	52			5420	
	NE	i		17	33				
	NE	iS		21	16				
	N	iPS		21	39				
	N	L		26	32				
	E	L		26	46				
	N	M		31	4	23	33		
	E	M		33	21	17	16		
		F	13	14	-				
12	E	L	14	50	-				Beginning lost during period of changing.
	N	L		56	-				
		F	15	19	-				
17	E	e	10	52	13				
	NE	e		53	23				
	E	e	11	11	28				
	N	eL		16	25				
	E	eL		18	30				
		F	12	16	-				
18	E	e	14	15	15				Very slight.
		F	15	19	-				

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Date	Component	Phase	Time G.M.T. h.	m.	s.	Period s.	Ampl. A E μ	△ km.	Remarks
June 18	NE	i	18	59	33				
	E	eL	19	16	25				
	N	eL		18	35				
	E	M		27	30	17			
		F		56	-				
22	E	e	11	58	34				
	NE	i		59	25				
	NE	i	12	1	9				
	E	i		6	32				
	N	i		6	35				
	NE	eL		18	20				
	NE	M		33	40	25			
		F		58	-				
23	NE	eL	7	3	30				
	N	M		6	28	13			
		F		11	-				

A. E. M. Geddes.

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