

SEISMOLOGICAL BULLETIN.

No. 1.

April - June, 1950.

King's College Observatory,  
Aberdeen.

Lat. 57°10'N

Long. 2°6' W.

Height above M.S.L. 12m.

Lithologic Foundation:

Glacial deposit over boulder clay.

Instruments: Milne-Shaw seismograph.  
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	15/4/49.
E	1 lb.	10 sec.	20.1	150	18.1	15/4/49.

Date.	Compon-ents.	Phase.	Time G.M.T.			Period secs.	Amp. $\mu$	$\Delta$ Km.	Remarks: Time of origin.
			h.	m.	s.				
April 4	NE	iS	19	01	25	12 11	52 28	U.S.C.G.S. 54.2°	
	NE	i		04	59				
	N	i		10	15				
	NE	L		13	10				
	N	M		20	6				
	E	M		23	11				
April 5	N	i	18	21	36				
		e		24	38				
		F		28	-				
April 6	N	i	03	11	07				
		i		11	59				
		F		26	-				
April 13	E	i	12	05	28				
		F		11	-				
April 14	N	e	21	02	-			Very slight	
		F		33	-				
April 15	E	e	15	34	58	20		N-S record disturbed by shaking of building	
		M		38	43				
		F		47	-				
April 20	E	i	17	31	38				
		i		32	12				
		F		38	-				
April 30	E	i	11	05	00	25	6	Whole very slight. Difficult to distinguish any phase on <u>N-S</u>	
		i		13	56				
		e		26	44				
		M		27	57				
		F	12	23	-				

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Date.	Compon- ents.	Phase.	Time			Period secs.	Amp. A	$\Delta$ Km.	Remarks: Time of origin.
			G.M.T. h. m. s.						
May 9.	E N N N E N E	e e eLQ eLR eLR M M F	06	24	11				
				27	24				
				35	25				
				40	22				
				41	11				
				49	56	16	2		
				51	00	15	2		
			07	13	-				
May 9.	E E E E E E N	iP iPP iS iSS i M M F	11	25	3			44.8° 4980Km	N-S record lost through overlapping. T <sub>o</sub> = 11h 16m 57s.
				26	47				
				31	40				
				34	54				
				43	32				
				47	57	12	8		
				48	27	12	14		
			12	13	-				
May 10/ 11	NE NE N NE N N E N	ePcP e eS ePS e eL M M F	23	51	55			75.5° 8390Km	T <sub>o</sub> = 23h 40m 7s.
				54	56				
			00	01	27				
			00	02	05				
				10	13				
				21	31				
				27	24	19	10		
				29	49	15	16		
			01	37	-				
17	N E N N E N E	iPP e ePSKS eL eL M M F	18	35	59			143° 15890Km	T <sub>o</sub> = 18h 13m 22s.
				44	27				
				46	07				
			19	23	10				
				26	20				
				34	21	20	16		
				34	30	25	4		
			20	43	-				
19	N N N N N NE E N	iPKP iPP i i e eL M M F	02	57	42			143° 15890Km	T <sub>o</sub> = 02h 38m 22s.
			03	01	30				
				09	35				
				22	08				
				50	27				
				56	-				
			04	05	20	16	2		
				07	12	17	4		
			05	25	-				
25	N NE NE NE N E	iPP iSKS e e M M F	18	53	41			104° 11560Km	T <sub>o</sub> = 18h 35m 12s.
				59	33				
			19	08	36				
				24	06				
				32	50	20	16		
				33	49	20	13		
			20	06	-				

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Date.	Compon- ents.	Phase.	Time			Period secs.	Amp. $\mu$	$\Delta$ Km.	Remarks: Time of origin.
			G.M.T.	h.	m.				
May 26.	N	PKP	01	36	36			143° 15390Km $T_o = 01h 17m 4s.$	
	N	i		39	39				
	NE	iPP		40	10				
	N	iSKKS		46	26				
	NE	i		59	51				
	NE	iSSS	02	03	41				
	N	e		16	21				
	E	e		17	31				
	E	eL		24	06				
	N	eL		25	00				
	E	eL		31	20				
	N	L		33	30				
	E	M		38	56	20	14		
N	M		41	49	20	30			
	F	04	34	-					
May 28	N	e	02	55	30			Very slight on E-W compt.	
	E	e		58	-				
	N	M	03	01	20	20	3		
	F		25	-					
May 31	E	e	09	41	35				
		F		47	-				
May 31	E	e	13	57	10			Very slight	
	N	M	14	04	30	25	4		
		F		25	-				
June 7	E	iP	17	05	04			83.1° 9120Km $T_o = 16h 52m 38s.$ No definite maximum.	
	NE	i		15	24				
	NE	iPS		16	10				
		F	18	16	-				
June 8	N	iPP	16	25	50			103.5° 11,500Km $T_o = 16h 07m 36s.$	
	N	iPPP		28	04				
	N	i		32	16				
	NE	iS		33	33				
	N	iPS		35	00				
	N	iSS		40	45				
	E	e		50	24				
	N	eL		56	11				
	E	M	17	02	44	20	3		
	N	M		07	22	18	8		
		F		58	-				
June 19	E	iPP	12	55	58			103.5° 11,500Km Early part of N-S record confused by shaking of building $T_o = 12h 37m 47s.$	
	E	iSKS	13	02	17				
	E	i		05	33				
	E	iPPS		05	57				
	E	iSS		10	57				
	NE	eL		32	40				
	N	M <sub>1</sub>	13	34	47	30	44		
	E	M		44	27	20	11		
	N	M <sub>2</sub>		44	30	20	30		
	F	14	59	-					

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Time	Components	Phase	Time G.M.T.			Period secs.	Amp. μ	Δ Km.	Remarks: Time of origin.
			h.	m.	s.				
Time 20	E	i F	14	19 25	30 -			Very slight: doubtful on N-S.	
Time 21	N	iPKP	07	15	15		147.6°	T = 06h 55m 36s. o	
	N	iPP		18	40		16,400Km		
	E	iPPP		22	02				
	N	iPSKS		28	41				
	NE	eSS		37	22				
	N	eSSS		43	20				
	E	eL	08	04	30				
	N	eL		06	20				
	E	M		16	53	22	6		
Time 21	N	M		17	00	22	39		
	N	F	09	45	-				
	NE	eL	10	51	40				
Time 21	N	M	11	09	15	22	7		
	E	M		11	20	21	9		
		F		24	-				
Time 22	N	e	00	50	-			Very slight.	
	N	e	01	43	40				
	E	e		56	-				
		F	02	16	-				
Time 24/25	NE	iPKP	22	45	04		147.6°	E-W 51m 36s. N-S 08m 00s. T <sub>o</sub> = 22h 25m 24s.	
	N	iPP		48	28		16,400Km.		
	NE	iPPP		51	54				
	NE	i		57	42				
	E	iSS	23	07	45				
	N	iSSS		13	11				
	NE	eL		33	20				
	N	M		46	51	20	28		
	E	M		47	27	22	23		
Time 25	N	e	11	23	20		104.5°	T <sub>o</sub> = 11h 06m 03s.  E 31, 47s.	
	E	iPP		24	21		11600Km		
	N	i		28	24				
	E	iSKS		30	40				
	NE	iSKKS		31	40				
	E	iS		32	22				
	E	iPS		33	53				
	E	iSSS		43	40				
	N	eL		52	-				
	E	eL		59	50				
	E	M	12	02	39	27	5		
		F		25	-				
	Time 27	E	eL	16	17	22			
E		M		24	18	25	26		