

Jan - Feb 1958

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NEW OBSERVATORY
21 MAY 1958
RICHMOND, SURREY.

SEISMOLOGICAL BULLETIN

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.

January, 1958

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

Compt.	Mass	To	Damping Ratio	Magnification	1" Tilt	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm. E-W 19.0 mm N-S 18.1 mm	8/11/56
E	1 lb.	10 sec.	20 : 1	150		

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ km.	Dir ⁿ of Motion	Remarks Time of origin
Jan 2	N N N	e i M F	02 22 55 23 24 27 09 33 -	16	2		N E +	U.S.C.G.S.: 36 ¹ / ₂ °N, 22°E E-W clock stopped
4	E E	i i F	06 54 15 57 45 07 16 -				+	U.S.C.G.S.: 31 ¹ / ₂ °N, 40 ¹ / ₂ °W - Nothing readable on N-S compt.
5	E E N E	e L LM M F	11 58 20 12 00 25 03 - -15- 05 31 43 -	17	14			U.S.C.G.S.: 56 ¹ / ₂ °N, 121°E
15	E E E E E E E E N N N E E E	eP i ePP iPPP iSKS eSKKS iS iPS iSS L L M ₁ M ₁ M ₂ M ₂ F ₂	19 27 26 28 09 31 21 33 31 38 07 38 35 38 46 40 03 45 26 59 - 20 00 30 03 16 05 18 07 41 08 09 21 15 -			96.1° 10680Km	+	U.S.C.G.S.: 16 ¹ / ₂ °S, 71 ¹ / ₂ °W - + N 31m 29s + N 38m 10s - N 38m 51s + T ₀ = 19h 14.0m
15	N N E E	e e e M F	23 26 20 32 10 38 30 47 40 24 20 -	20	3			U.S.C.G.S.: 13 ¹ / ₂ °S, 167°E
16	N E N E	e e M M F	04 31 36 33 16 35 21 39 09 44 -	15 15	2 1.5			U.S.C.G.S.: 39 ¹ / ₂ °N, 25°E

No. 2

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Date	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Dir ⁿ of Motion		Remarks Time of origin	
			h.	m.	s.				N	E		
17	N	M F	08	52	55	22	13				U.S.C.G.S: 52°S, 139 ¹ / ₂ °E	
19	E E N E N E E N E N E N E N E	iP i i iPP iPPP iSKS iS iPS iPPS i i i i M ₁ M ₁ M ₂ M ₂ F ₂	14	19	54			88.0° 9780Km	- + + + + + - + - + - + + + + + + + +		U.S.C.G.S: 8 ¹ / ₂ °S, 79 ¹ / ₂ °W N 23m 17s E 25m 23s E 32m 11s T ₀ = 19h 07m 06s	
			Lost in succeeding shock									
19	N N N N N N N N N E E N	i i i iS i i i i i M M F	14	56	44			88.0° 9780Km	+ + - - + - + + + + + +		U.S.C.G.S: 8 ¹ / ₂ °S, 79 ¹ / ₂ °W Very much affected by previous shock, especially on E-W compt. Large microseisms also present.	
20	E	LM	03	22	-						U.S.C.G.S: 30 ¹ / ₂ °S, 71 ¹ / ₂ °W Very slight effect	
23	E E N E N	i i i i e F	13	38	12				+ + + - +		U.S.C.G.S: 65°N, 6 ¹ / ₂ °E B.C.I.S.: 64 ³ / ₄ °N, 7 ¹ / ₂ °E Record doubtful owing to shaking of building.	
24	NE E E N E N E N E NE	e e e i i i i i i M M F	06	05	18				- + + + + + + + + - - -		U.S.C.G.S: 56 ¹ / ₂ °N, 163°E	
25	N N N N	e i i i M F	09	31	05				- - -		No E-W trace available	
			Lost in changing of charts									

No. 3

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. "	Δ° km.	Dir ⁿ of Motion	Remarks Time of origin
27	NE E	L M F	08 57 - 09 03 25 13 -	20	5		N E	
30	N NE N E E NE	i i i e L F	06 36 54 38 48 51 14 53 05 07 13 - 21 30 08 05 -				- + + + +	Whole effect slight
A.E.M. Geddes								
Natural Philosophy Department, The University, Aberdeen.								