No. 2.

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Jan. 11	E	iP	23	03	00			54.5° 6055Km	U.S.C.G.S: 65°N, 133°W
	E	i		04	10				T_o = 22h 53.6m
	E	iPP		05	09				No N-S record available
	E	iS		10	16				
	E	i		12	22				
	E	iSS		13	51				
	E	iSSS		16	06				
	E	L		18	16				
	E	M		24	07	18	22		
		F	24	23	-				
Jan. 12	N	ePP	17	37	47			69.5° 7720Km	U.S.C.G.S: 49½°N, 156°E
	N	eS		43	27				T_o = 17h 23.6m
	NE	PS		44	20				Obscured by shaking of building.
	E	eSSS		51	17				
	N	eL		56	45				
	E	e	18	01	12				
	N	M		06	13	20	19		
	E	M		08	45	20	16		
		F	19	03	-				
Jan. 20	E	e	18	19	50				U.S.C.G.S: 1½°N, 126°E.
	E	eL		24	10				
	N	eL		25	00				
	E	M		32	10	29	12		
	N	M		33	04	20	5		
		F		49	-				
Jan. 21	E	e	02	27	-				U.S.C.G.S: 50°N, 156°E. No N-S effect
		F		37	-				
Jan. 25	E	i	20	25	58				U.S.C.G.S: 19°N, 73½°W No effect on N-S
		F		40	-				
Jan. 27	E	i	03	57	30				U.S.C.G.S: 4½°S, 153°E. Nothing readable on N-S Obscured by microseisms.
	E	i	04	02	18				
	E	i		02	45				
		F		12	-				
Feb. 5	E	i	22	57	27				
	N	i		58	59				
	E	M	23	01	28	16	4		
		F		09	-				
Feb. 6	NE	iP	13	24	45			79.0° 8780Km	U.S.C.G.S: 42½°N, 143½°E
	NE	i		25	17				T_o = 13h 12m 44s
	N	ePP		27	16				
	N	ePPP		29	05				
	NE	iS		34	44				
	NE	i		35	00				
	N	eL		48	12				
	E	eL		48	52				
	E	M		59	00	18	20		
	N	M	14	00	03	23	14		
		F		50	-				

No. 3

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Feb. 7	NE	e	18	44	05				U.S.C.G.S: 49°N, 156°E.
	N	iS		45	11				
	E	i		52	07				
	E	eL	19	00	10				
	E	M		14	00	19	5		
	N	M		14	38	15	3		
		F		49	-				
Feb. 7	E	eP	22	37	07			28.4°	B.C.I.S: 35°N, 24½°E
	E	iPP		37	56			3155Km	
	NE	iS		42	01				T_o = 22h 31.0m
	E	i		48	05				
	N	i		48	10				
	E	M		50	29	15	3		
	N	M		50	58	12	2		
		F	23	05	-				
Feb. 12	E	iP	08	23	42				U.S.C.G.S: 35°N, 54½°E
	NE	iPP		25	20			43.4°	T = 08h 15m 47s
	NE	iS		30	04			4820Km	N°30m 17s
	NE	iSS		33	02				N 33m 20s
	NE	L		37	06				Persian Earthquake
	N	M		44	18	24	43		
	E	M		47	40	17	66		
		F	09	44	-				
Feb. 14	N	e	22	37	-				Very slight
		F		54	-				U.S.C.G.S: 18½°N, 146°E
Feb. 19	N	e	15	28	31				U.S.C.G.S: 0°, 18°W
	NE	iS		35	50				
	E	i		37	36				
	NE	iSSS		41	35				N 41m 30s
	E	L		52	00				
	N	L		54	37				
	N	M		58	49	11	13		
	E	M		59	06	16	35		
		F	16	41	-				
Feb. 23	E	i	01	22	15				No trace on N-S component
		F		32	-				U.S.C.G.S: 29½°, 81°E
Feb. 25	E	i	21	35	33				U.S.C.G.S: 56°N, 156½°W
	N	i		35	39				Obscured by microseisms
	E	i		37	22				and shaking of building
	NE	e		48	10				
		F		51	-				
Feb. 26	N	iSKP	12	05	54				U.S.C.G.S: 11°S, 164½°E
	E	iPPP		06	49				
	N	i		08	00				
	E	iSS		22	07				
	N	i		22	29				
	E	i		24	52				
	NE	e		37	20				
	E	L		42	14				
	N	L		46	10				
	E	M	12	49	20	23	36		
	N	M_1		49	42	23	21		
	N	M_2		57	22	20	27		
		F	14	15	-				

No. 4.

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Mar. 3	E	i	12 04 24				U.S.C.G.S: 20°S, 169°E
	N	e	09 14				
	NE	e,i	13 54				
	N	e	36 34				
	E	i	37 39				
	E	M	13 19 19	18	6		
		F	55 -				
Mar. 5	E	i	21 20 02				U.S.C.G.S: 51°N, 158°E
	E	iS	22 01				
	E	i	30 44				No N-S record available
	E	e	22 00 35				
	E	M	10 25	17	4		
		F	46 -				
Mar. 10	E	e	22 31 50				
	E	M	41 36	25	9		Very slight
	N	e	46 24				
		F	23 11 -				
Mar. 14	N	e	17 49 45				
	E	e	50 45				
	E	M	18 01 00	23	11		
	E	M	02 32	20	5		
		F	24 -				
Mar. 18	NE	iP	19 11 42			26.4°	E 11m 45s.
	N	iPPP	12 30			2935Km	
	NE	i	14 28				T_o = 19h 06m 12s
	NE	iS	16 20				
	E	M	26 00	12	770		
	N	M	26 20	13	590		
		F	23 00 -				May be several aftershocks.
Mar. 19	NE	iP	08 38 03			60.5°	
	NE	iS	46 10			6720°	
	E	iPPS	46 49				
	N	i	47 07				T_o = 08h 28m 06s.
	N	i	48 35				
	E	i	50 10				
	N	i	50 28				
	NE	i	53 11				
	E	i	56 52				No definite maximum phase. Deep focus.
		F	11 35 -				
Mar. 25	N	e	06 35 -				
	E	e	36 -				
	N	M	36 22	20	3		
		F	45 -				

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SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

April - June, 1953

Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12m. Lithologic Foundation: Glacial deposit over boulder clay.

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

Compt.	Mass	To	Damping Ratio	Magnification		Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	18.1 mm.	17/3/52
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	17/3/52

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
April 4	E	i	06 29 34				
	N	e	38 03				
	E	e	39 58				
	N	M	45 08	17	3		
	E	M	45 33	17	6		
		F	07 05 -				
* 5	N	eL	11 00 54				
	N	M	11 14	18	4		
		F	16 -				
6	N	e	00 58 29			119°	U.S.C.G.S.: 7°S, 132°E
	N	iS	01 04 09			13,200Km	
	N	iPS	05 59				T_o = 00h 36m 11s
	N	iSS	12 44				
	N	e	37 50				No E-W record available
	N	M	47 14	20	3		
		F	02 04 -				
8	NE	e	00 55 00				
	NE	M	57 10	25	4		
		F	01 09 -				
14	NE	iP	13 41 07			85.5°	U.S.C.G.S: $7\frac{1}{2}$° S, $71\frac{1}{2}$° W.
	E	epP	43 12			9500 Km	
	E	isP	44 08				T_o = 13h 29.0m
	N	isPP	47 37				
	E	iSKS	50 44				Apparently deep focus
	E	eS	51 22				
	N	iPS	52 12				
	NE	i	55 33				
	E	M	14 04 10	18	7		Very pronounced on E-W, slight on N-S
		F	30 -				
23	N	ePP	16 44 57			124°	U.S.C.G.S.: 4°S, 154°E
	NE	i,e	45 20			13,780 Km	
	E	iSKS	50 11				T_o = 16h 24m 34s
	NE	iPS	55 20				
	E	iSS	17 01 56				N 07m 00s
	E	iSSS	06 50				

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
April 23 (contd)	E	L	17 22 55				
	N	L	23 45				
	E	M	28 14	26	167		
	N	M	37 12	24	120		
		F	21 - -				
24	N	iP	02 14 27			19.8° 2200Km	U.S.C.G.S.: 76½°N, 6°E
	N	i	15 26				
	NE	iS	18 16				N 18m 11s
	N	e	19 22				
	N	M	20 32	19	4		T_o = 02h 09.9m
	E	M	21 31	19	3		
		F	42 -				
30	N	iPKP	06 46 25			144° 16,000Km	U.S.C.G.S.: 20½°S, 170°E
	N	iPP	49 30				
	E	iPPP	52 37				T_o = 06h 26.8m
	E	iSKS	53 23				
	NE	iSKKS	56 26				
	N	eSSS	07 13 46				
	N	eL	36 45				
	E	eL	39 40				
	E	M	45 54	30	15		
	N	M	47 33	20	6		
		F	08 41 -				
May 2	E	e	05 57 35				Very slight: no trace on N-S component.
		F	06 05 -				
2	N	e	18 45 38				
	E	i	48 04				
	N	M	55 28	20	6		
		F	merged in succeeding shock				
2	E	e	19 15 30				
	N	e	17 30				
	N	M	26 50	20	6		
	E	M	27 32	17	4		
		F	20 13 -				
6	N	iPP	17 35 55			112° 12,450Km	U.S.C.G.S.: 36½°S, 73°W
	N	ePPP	38 26				
	N	eS	43 52				T_o = 17h 16m 45s
	N	ePS	45 28				
	N	eSS	51 44				No E-W component record
	N	eSSS	55 38				
	N	eL	18 08 30				
	N	M_1	17 00	23	5		
	N	M_2	21 42	20	6		
		F	19 06 -				
11	E	iPP	10 40 03				U.S.G.G.S.: 169°E, 21½°S.
	E	i	49 23				
	E	i	53 42				No trace on N-S components.
	E	e	58 18				
	E	e	11 07 43				
	E	eL	30 30				
	E	M	49 56	19	2		
	E	M	12 23 52	17	2		By path > 180°.
		F	38 -				

No. 3

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
May							
18	E	i	08 32 30				U.S.C.G.S.: 28½°N, 44°W
	E	M	34 50	19	2		
		F	52 -				
19	E	i	03 25 27			71°	U.S.C.G.S.: 51°N, 159°E
	E	iS	31 45			7890 Km	
	E	iPS	32 25				
	E	i·	32 45				No effect on N-S
	E	eSSS	39 35				
	E	L	43 30				
	E	M_1	49 45	19	4		
	E	M_2	04 01 50	14	6		
		F	52 -				
24	E	e	01 46 41				
	E	i	47 32				
	E	i	59 30				
	E	e	02 21 26				
	E	M	28 14	20	5		
		F	55 -				
31	E	iP	20 09 03			61.0°	U.S.C.G.S.: 20°N, 70½°W
	E	i	10 30			6780 Km	T_o = 19h 58.8m
	NE	iS	17 20				
	E	iSS	21 20				Very slight on N-S
	NE	L	27 30				
	E	M	31 45	20	38		
		F	21 49 -				
June							
8	E	iS	12 01 09				U.S.C.G.S.: 52°N, 159½°E
	E	i	21 30				
	E	M	29 44	17	4		
		F	37 -				
9	E	e	02 25 -				U.S.C.G.S.: 53°N, 160°E
		F	35 -				
13	E	iP	18 44 27			24.4°	B.C.I.S.: 38¼°N, 22¾°E
	E	iS	48 45			2710Km	T_o = 18h 39.1m
	E	i	54 14				
	E	i	56 54				
		F	19 03 -				
15	NE	iP	17 57 55				
	E	i	18 02 17			64.8°	U.S.C.G.S.: 56½°N, 154°W
	NE	iS	06 36			7200 Km	
	N	iPS	07 04				T_o = 17h 47m 24s
	NE	iSSS	13 50				
	N	eL	23 10				
	E	eL	23 38				
	N	M	27 12	18	3		
	E	M	28 30	20	25		
		F	19 52 -				

No. 4

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
June 16	E	e	10 09 20			92°	
	E	iSKS	16 33				
	E	iSKKS	17 01				
	E	i	19 05				
	E	eSS	22 27				
	E	eL	10 39 10				
	E	M	47 28	20	3		
		F	11 11 -				
16	E	i	20 08 04				Very slight
	E	i	11 05				
	E	e	27 -				
		F	36 -				
18	E	iP	05 49 20			24.2°	B.C.I.S.: 41¾°N, 27¾°E
	E	eS	53 40			2890 Km	Turkish Earthquake
	E	i	57 20				T_o = 05h 44.0m
	E	M	06 03 07	13	2		
		F	12 -				
18	E	e	10 39 40				
	E	e	43 35				
	E	e	11 14 10				
	E	M	25 20	22	3		
		F	12 02 -				
23	E	e	14 40 10				Very slight
		F	45 -				
* 25	NE	e	11 03 33			113.4°	U.S.C.G.S.: 8½°S, 123½°E
	NE	iPP	04 53			12600 Km	
	NE	iPPP	07 22				T_o = 10h 45.5m
	E	iSKS	10 55				
	N	eS	13 00				
	E	i	15 00				
	E	i	19 17				
	N	eSS	21 00				
	N	eL	40 10				
	E	eL	43 10				
	N	M	49 00	25	4		
	E	M	50 25	22	5		
	E	M	59 17	20	7		
		F	13 09 -				
26	E	i	06 02 15			113°	U.S.C.G.S.: 8°S, 124°E
	E	iPP	02 40				
	NE	i	04 00				T_o = 05h 42.7m
	E	ePS	11 39				
	NE	e,iPPS	12 22				
	NE	e	19 -				
	E	eSSS	22 15				
	E	eL	41 05				
	N	eL	43 05				
	E	M	51 12	22	5		
	N	M	56 28	20	3		
		F	07 27 -				

A. E. M. Geddes

Natural Philosophy Department,
Marischal College,
Aberdeen.

No. 1.

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

July - September, 1953

Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12m. Lithologic Foundation: Glacial deposit over boulder clay.

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

Compt.	Mass	To	Damping Ratio	Magnification	Date from which constants apply
N	1 lb.	10 sec.	20 : 1	150	15/7/53
E	1 lb.	10 sec.	20 : 1	150	15/7/53

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ km.	Remarks: Time of origin.
July							
1	E	eS	03 21 05			71°	U.S.C.G.S.: 50½°N, 157°E
	E	e	32 20			7890 Km	
	E	eL	41 10				No N-S record
	E	M	49 15	16	2		
		F	04 12 -				
2	NE	iPKP	07 16 13			141°	U.S.C.G.S.: 18½°S, 169°E
	NE	ipPKP	17 20			15670 Km	N 17m 17s
	E	iPP	19 12				
	N	iSKP	19 43				T_o = 06h 56m 48s
	NE	i	21 20				
	NE	eSS	37 16				
	E	eSSS	42 50				
	E	e	56 30				
	E	M	08 10 50	27	5		
		F	09 - -				
9	E	e	19 30 10				Very slight
		F	42 -				
9	E	iS	21 37 26			38.9°	U.S.C.G.S.: 30°N, 42½°W
	E	i	38 58			4320 Km	
	E	eL	43 05				T_o = 21h 23.9m
	E	M	53 13	15	2		
		F	22 07 -				
10	E	i	15 37 07				Very slight
		F	43 -				
12	E	ePP	07 03 -			117°	U.S.C.G.S.: 2°S, 139½°E
	E	e	07 00			13000 Km	
	E	iPS	12 40				T_o = 06h 43.2m
	E	eL	41 -				
	E	M_1	46 30	20	4		
	E	M_2	55 30	18	4		
		F	08 20 -				
20	NE	iPKP	08 28 11			144°	U.S.C.G.S.: 21°S, 177°W
	N	iSKP	31 45			16000 Km	
	N	iSKKS	37 55				T_o = 08h 08m 30s
	N	iPSKS	41 12				
	N	i	49 20				
	E	iSS	50 00				
		M lost in changing of charts					
		F	10 45 -				

No. 2

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
July 21	E	i	18 08 24				U.S.C.G.S.: 27½°N, 128°E
	N	e	09 20				
	E	M	18 46	22	7		
	N	M	19 30	17	6		
		F	37 -				
22	NE	iP	05 22 30			70°	U.S.C.G.S.: 51°N, 157°E
	E	iPP	25 10			7780 Km	
	N	e	27 10				T_o = 05h 11.1m
	N	iS	31 39				
	NE	e,i	31 58				
	E	i	40 37				
	N	L	46 28				
	E	M_1	52 32	22	7		
	N	M_1	53 22	18	7		
	N	M_2	06 00 35	20	14		
	E	M_2	01 07	20	14		
		F	07 10 -				
22	NE	i	15 20 15				
	E	M	29 42	13	4		
	N	M	30 07	13	4		
		F	44 -				
22	NE	eP	18 12 30			43.6°	U.S.C.G.S.: 26½°N, 44½°W
	NE	i,eS	19 00			4845 Km	
	NE	e	24 10				T_o = 18h 04.4m
	E	M	27 21	17	3		
	N	M	27 27	15	2		
		F	40 -				
23	N	e	19 06 20				
	NE	e	09 10				Very slight
	N	i	15 10				
	E	M	16 24	14	1		
		F	35 -				
26	N	iPP	17 10 47			100°	U.S.C.G.S.: 17½°N, 145°E
	N	i	13 15			11110 Km	
	NE	iSKS	17 00				T_o = 16h 53.5m
	NE	eSS	25 10				
	E	M	42 18	25	4		Deep focus
	N	M	54 22	20	3		
		F	18 18 -				
29	NE	i	13 51 00				
	N	e	14 06 30				
	N	M	14 10	16	1		
		F	48 -				
29	E	e	18 37 28				U.S.C.G.S.: 13°N, 90½°W
	N	e	39 25				
	E	eL	50 10				
	N	eL	52 00				
	E	M	19 08 30	16	3		
	N	M	10 35	13	1		
		F	48 -				

No. 3

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
July 30	N	e	00 29 05				U.S.C.G.S.: 16°S, 173°W
*	E	e	30 00				
	N	M	36 10	20	3		
		F	50 -				
31	N	i	00 08 19				U.S.C.G.S.: 19°N, 145°E
	N	i	10 02				
	N	e	12 17				
	E	e	32 00				
		F	55 -				
Aug. 1	NE	e	04 20 -				
		F	29 -				
2	E	e	18 43 20				No effect on N-S
		F	57 -				
6	E	e	19 24 20				U.S.C.G.S.: 45°N, 80°E
	N	i	25 14				
	E	M	29 14	16	4		
	N	M	29 25	15	3		
		F	40 -				
6	NE	e	21 32 -				
		F	37 -				
9	NE	iP	07 46 27			23.9°	U.S.C.G.S.: 38½°N, 21°E
	NE	iS	50 40			2655 Km	
	N	i	53 30				T_o = 07h 41m 15s
	E	i	54 10				Greek Islands' shock
	NE	L	55 39				
	E	M	56 00	16	53		
	N	M	57 33	14	43		
		F	Lost during changing of chart				
11	N	iP	03 37 38			24.5°	
	N	i	37 59			2720 Km	
	N	iS	41 57				T_o = 03h 32m 19s
	N	iSS	43 00				No E-W component available
	N	L	45 23				
	N	M	48 34	14	133		
		F	05 29 -				
11	E	e	12 58 -				
		F	13 08 -				
12	N	e	06 15 12				
	N	e	22 40				
	N	M	25 12	20	5		
		F	39 -				
12	NE	iP	09 29 11			24.0°	
	NE	iPPP	29 56			2665 Km	T_o = 09h 23m 58s
	NE	iS	33 25				
	N	L	36 30				
	E	L	36 50				
	E	M	39 56	16	491		
	N	M	40 28	16	509		Several minor shocks before 12h
		F	12 00 -				

No. 4

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Aug.							
* 12	NE	iP	12 10 41			24.5°	U.S.C.G.S.: 38°N, 21°E
	NE	iS	15 01			2720 Km	
	NE	L	19 30				T_o = 12h 05m 23s
	N	M	21 12	17	24		
	E	M	22 39	20	41		
		F	13 03 -				
12	E	e	13 51 30				
	NE	e	53 40				
	E	M	57 22	20	3		
		F	14 06 -				
12	NE	iP	14 14 01			24.5°	U.S.C.G.S.: 38°N, 21°E
	NE	iS	18 22			2720 Km	T_o = 14h 08m 43s
	N	L	22 52				
	E	L	23 40				
	N	M	25 02	14	14		
	E	M	27 29	13	10		
		F	47 -				
12	N	e	16 18 20				
	NE	i, e	22 44				
		F	36 -				
12	N	e	17 27 42				U.S.C.G.S.: 22°S, 175°W
	N	eSSS	43 22				
	N	L	18 10 34				
	E	L	11 20				
	N	M	20 23	18	4		
	E	M	22 30	19	5		
		F	19 21 -				
13	E	e	03 35 10				
	N	e	36 20				
		F	50 -				
13	N	iPKP	09 42 50			144°	U.S.C.G.S.: 21 1/2°S, 170°E
	E	i	44 00			16000 Km	
	N	iSKP	45 47				T_o = 09h 23m 23s
	E	iPP	46 06				
	N	iSKKS	52 48				
	NE	e	10 05 20				
	E	M	34 42	15	2		
		F	11 41 -				
* 23	N	i	07 29 06			58.8°	U.S.C.G.S.: 1°S, 14°W
	N	eS	36 20			6540 Km	
	N	iSS	40 14				T_o = 07h 18.2m
	N	eL	47 04				No E-W record available
	N	M	56 22	12	2		
		F lost during changing of chart					
25	N	i	02 34 34				U.S.C.G.S.: 5°S, 152°E
	E	e	35 15				
	N	e	42 50				
	E	e	53 25				
	E	e	03 06 24				
	N	e	08 55				
	N	M	14 32	22	5		
	E	M	14 34	23	4		
		F	04 17 -				

No. 5

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Aug. 27	N	e	21 39 10				
	E	e	43 25				
		F	22 - -				
27	N	e	23 39 -				
	N	e	24 09 -				
	E	e	35 -				
	N	M	36 30	20	3		
		F	46 -				
29	NE	e,i	02 17 30				
	NE	i	24 18				
	NE	M	34 06	20	5		
		F	48 -				
29	N	iP	14 13 51			21.8°	
	NE	iS	17 45			2420 Km	
	NE	L	20 05				T_o = 14h 08m 58s
	N	M	23 12	14	7		
	E	M	23 48	10	4		
		F	50 -				
4	N	iP	07 34 22			72.0°	U.S.C.G.S.: 50°N, 156½°E
	NE	iPP	37 02			8000 Km	
	N	iPPP	38 45				T_o = 07h 23m 07s
	N	iS	43 35				E 43m 59s
	N	i	44 22				
	N	i	51 50				
	E	i	52 25				
	N	L	58 00				
	E	L	08 00 -				
	NE	M	08 52	E 16	15		
				N 20	19		
		F	52 -				
4	NE	e	15 02 35				
	E	M	08 30	19	5		
		F	22 -				
5	E	iP	14 24 13			26°	U.S.C.G.S.: 38°N, 23°E
	NE	iS	28 42			2890 Km	N 28m 45s
	N	eL	32 00				
	E	L	33 45				T_o = 14h 18m 43s
	N	M	35 29	14	10		
	E	M	35 49	17	19		
		F	52 -				
5	NE	iS	19 18 40			71.0°	U.S.C.G.S.: 51°N, 157°E
	E	e	30 25			7890 Km	
	N	e	36 25				T_o = 18h 58m 11s
	E	L	38 15				
	N	M	47 20	18	2		
	E	M	47 33	18	4		
		F	20 11 -				
6	NE	e	02 00 -				
		F	12 -				

No. 6

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Sep. 7	N	e	04 05 36				
	N	iS	09 35				
	N	iSS	10 38				No E-W record available
	N	e	12 20				
	N	i	16 02				
	N	M	20 35	17	24		
		F	05 15 -				
10	NE	iP	04 12 27			32°	
	E	iPP	13 23			3555 Km	
	E	iPPP	13 41				T_o = 04h 06m 02s
	NE	iS	17 37				
	N	iSS	19 16				Cyprus Earthquake
	E	i	20 05				
	N	i	23 00				
	E	i	24 04				
	E	L	27 48				
	N	M	28 46	15	34		
	E	M	31 27	15	40		
		F	05 32 -				
14	N	iPKP	00 46 27				U.S.C.G.S.: 18½°S, 178½°E
	NE	iPP	49 46				
	NE	iPPP	52 28				
	N	i	54 32				
	NE	i	01 00 24				
	N	e	12 07				
	N	e	30 50				
	E	e	31 20				
	N	M_1	44 19	20	3		
	E	M	49 09	20	6		
	N	M_2	02 21 19	25	6		
		F	58 -				
14	E	e	11 59 25				
	E	L	12 09 22				N-S record too disturbed by shaking of building to read.
	E	M	14 16	15	5		
		F	40 -				
14	NE	iP	15 01 36			24.2°	U.S.C.G.S.: 38°N, 20½°E
	NE	iS	05 52			2690 Km	T_o = 14h 56m 23s.
	NE	e	09 20				
	E	M	13 26	12	5		No definite maximum on N-S record
		F	40 -				
16	N	e	02 55 -				No E-W record available
		F	03 30 -				
17	N	i	17 34 28				
	N	i	35 18				
	N	i	39 15				
	N	i	44 40				
	N	e	52 40				
	E	e	54 50				
	N	e	22 03 20				
	NE	e	31 30				
	N	M	39 30	19	5		
	E	M	40 42	20	5		
		F	23 41 -				

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Sep. 20	N	e	19	46	20				
	NE	e		52	23				
	N	M		57	30	20	5		
	E	M		57	34	19	5		
		F	20	15	-				
23	NE	iP	02	25	51			71.0°	U.S.C.G.S.: 50½°N, 156°E
	N	i		26	26				
	NE	iPP		28	30			7890 Km.	
	N	i		30	31				T_o = 02h 14m 35s
	N	iS		35	04				
	NE	iPS		35	36				
	NE	iSS		39	48				
	NE	eSSS		42	40				
	NE	eL		51	20				
	E	M_1		56	33	24	24		
	N	M_1		57	02	20	19		
	N	M_2	03	04	05	17	18		
	E	M_2		06	03	18	22		
		F		52	-				
25	NE	i	14	07	08				
	NE	e		33	10				
	N	M		37	26	17	2		Slight
		F		58	-				
26	N	iP	01	13	46			72°	U.S.C.G.S.: 50°N, 157½°E
	N	iS		23	21			8000 Km.	
	N	iPS		24	06				T_o = 01h 02m 31s
	E	e		35	20				
	N	e		39	30				
	N	M		44	40	17	2		
	E	M		52	24	18	2		
		F	02	11	-				
27	NE	iS	06	24	06			60.0°	
	E	iSS		28	16			6660 Km.	
	N	eSSS		30	25				
	NE	L		34	06				No definite maximum
		F		58	-				
29	N	iPKP	01	56	12			126.0	
	N	ipPKP		57	06			14000 Km.	
	N	iPP		58	06				
	N	iPPP	02	00	15				
	N	iSKKS		04	42				No E-W record available
	N	iS		05	53				
	N	iPPS		09	26				
	N	i		11	00				
	N	i		16	15				
	N	L		24	-				
	N	M		29	54	20	22		
		F	04	-	-				
30	NE	i,e	23	26	30				
	NE	i		31	16				
	NE	e		37	33				
	N	L		39	30				
	E	L		40	40				
	N	M_Q		44	57	22	30		
	E	M_Q		46	28	18	22		
	E	M_R	24	00	47	18	22		
		F		50	-				

Natural Philosophy Department,
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Aberdeen.

A.E.M.Geddes

SEISMOLOGICAL BULLETIN

No. 1

KING'S COLLEGE OBSERVATORY, ABERDEEN

October - December, 1953.

Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12m. Lithologic Foundation: Glacial deposit over boulder clay.

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.	15/7/53
E	1 lb.	10 sec.	20 : 1	150	18.1 mm.	15/7/53

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Oct. 5	N	iP	04 42 44			67.8°	U.S.C.G.S.: 53½°N, 160½°E.
	N	iS	51 41			7540 Km	
	N	i	52 05				T_o = 04h 41m 31s.
	N	e	56 34				
	N	eL	05 08 16				No E-W record available
	N	M	20 49	20	4		
		F	42 -				
6	NE	e	00 21 00				U.S.C.G.S.: 9°S, 152½°E
	NE	M_1	25 20	20	3		
	E	M_2	37 30	20	3		
	N	M_2	37 40	20	3		
		F	46 -				
6	N	ePP	21 59 24			124.2°	U.S.C.G.S.: 3½°S, 151°E
	N	ePKS	22 01 08			13,800 Km	
	N	i	05 13				T_o = 21h 38.3m
	N	i	06 16				
	N	i	09 40				
	N	iSS	15 30				No E-W record available.
	N	eSSS	20 23				
	N	eL	32 24				
	N	M	43 35	22	7		
	N	M	49 30	20	8		
		F	23 45 -				
8	N	e	16 58 15				U.S.C.G.S.: 30°N, 97½°E
	E	e	59 20				
	E	M	17 00 20	20	3		
	N	M	00 40	18	4		
		F	12 -				
8	N	iS	19 29 29				U.S.C.G.S.: 32°N, 82½°E
	N	i	37 24				
	E	e	39 20				
	E	eL	43 30				
	N	M	48 40	17	6		
	E	M	49 11	16	5		
		F	20 19 -				
9	N	e	04 09 30				
	E	e	10 30				
	E	M	11 42	15	2		No definite maximum on N-S record.
		F	15 -				

No. 2

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Oct. 10	E	i	21 42 37				U.S.C.G.S.: 38½°N, 21°E
	N	e	43 35				
	NE	i	45 42				
		F	48 -				
11	E	e	13 26 23			71°.0	U.S.C.G.S.: 50°N, 155½°E
	N	iS	28 49			7890 Km	
	E	iPS	29 34				T_o = 13h 08m 35s
	E	e	35 20				
	NE	eL	39 30				
	N	M	53 41	19	12		
	E	M	58 06	19	12		
		F	14 50 -				
11	N	iS	17 26 42			61.5°	U.S.C.G.S.: 31½°N, 83°E
	E	eSSS	34 52			6830 Km	
	NE	eL	39 40				T_o = 17h 08.0m
	N	M	43 09	20	26		
	E	M	44 53	15	18		
		F	18 05 -				
13	E	eS	09 26 20			82°	U.S.C.G.S.: 30°N, 113½°W
	NE	i	30 52			9110 Km	
	NE	L	33 40				
	E	M_Q	36 23	18	13		
	E	M_R	40 40	15	11		
	N	M	43 49	15	10		
		F	10 06 -				
17	E	e	21 44 40				U.S.C.G.S.: 52°N, 159°E
	N	e	47 25				
	E	M	56 40	17	8		
	N	M	59 17	16	4		
		F	22 28 -				
21	NE	i	11 40 25				U.S.C.G.S.: 38°N, 20½°E
	E	M	45 42	18	7		No definite maximum on N-S
		F	56 -				Fore-shock of the following.
21	NE	iP	18 45 09			24.1°	U.S.C.G.S.: 38°N, 20½°E
	NE	iPPP	45 52			2680 Km	
	NE	iS	49 24				T_o = 18h 39m 55s
	NE	i	49 47				
	NE	iSSS	50 35				
	NE	L	53 00				
	N	M	56 10	14	34		
	E	M	58 10	14	37		
		F	19 54 -				
1	E	i	23 53 52				Very slight
	N	e	53 55				After shock of the previous.
		F	24 07 -				
1	E	eL	19 02 35				U.S.C.G.S.: 22°N, 122°E
	N	M	04 39	22	10		Obscured by microseisms
	E	M	05 23	22	13		
		F	19 -				

MOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Nov. 4	NE	iPP	04	10	46			135° 15000 Km	U.S.C.G.S.: 12½° S, 166½° E
	E	i		11	56				
	N	iPPP		13	55				
	N	iSKS		15	32				
	E	iSKKS		17	26				T_o = 03h 49.0m
	NE	iSS		28	40				
	E	i		34	42				
	E	L		44	50				
	N	L		45	36				
	E	L		53	15				
	N	M_1		58	24	24	78		
	E	M_1		59	36	22	67		
	E	M_2	05	08	35	20	99		
	N	M_2		13	26	19	74		
		F	06	58	-				
4	N	e	13	37	-				Very slight
		F		52	-				U.S.C.G.S.: 12°S, 166½° E
9	N	i	17	46	00				U.S.C.G.S.: 52½°N, 159°E
	N	e		51	30				
	N	eL	18	03	38				
	N	M		10	27	17	5		
	N	M		16	46	15	5		
		F		51	-				
10	N	e	15	18	45				
	N	M		23	16	11	3		
		F		33	-				
10	N	iP	23	52	03			76.6° 8510 Km	U.S.C.G.S.: 50½°N, 157°E
	N	iPPP		56	21				
	N	i	24	00	45				T_o = 23h 40m 15s
	N	iS		01	49				
	N	eSS		06	55				
	N	e		16	45				
	N	M_1		22	11	19	20		
	N	M_2		29	47	20	27		
		F	25	03	-				
13	N	e	19	37	25			141° 15670 Km	U.S.C.G.S.: 13°S, 166°E
	N	iSKP		38	35				
	N	iPPP		41	15				
	N	iSKS		42	05				T_o = 19h 15.5m
	N	i		51	05				
	N	iSS		56	25				
	N	L	20	32	45				
	N	M		36	34	20	11		
	N	M	21	29	20	15	5		By path > 180°
		F		42	-				
14	N	iS	20	24	02				U.S.C.G.S.: 52°N, 160°E
	N	e		29	30				
	N	e		38	25				
	N	eL		42	45				
	N	M		48	45	17	4		
		F	21	23	-				
17	N	iS	13	52	10				U.S.C.G.S.: 14°N, 92°W
	N	i	14	01	14				
	N	L		07	40				Obscured by microseisms
	N	M		14	09	22	50		
		F		52	-				

No. 4

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Nov.	N	e	17 59 16				
25	N	iP	18 01 26			83.8	U.S.C.G.S.: 34°N, 141°E
	N	iPP	04 53				
	N	iPPP	06 48			9310 Km	
	N	i	08 58				T_o = 17h 49m 03s
	N	iS	11 43				
	N	iPS	12 28				
	N	i	14 02				
	N	iSS	17 16				
	N	iSSS	20 46				
	N	i	25 54				
	N	L	30 40				
	N	M_1	37 50	21	535		
	N	M_2	44 41	17	340		
		F	22 40 -				
26	N	iPP	00 19 16			83.8	U.S.C.G.S.: 34°N, 141°E
	N	iS	26 19			9310 Km	
	N	i	29 26				T_o = 00h 03m 39s
	N	eSS	32 16				
	N	e	47 46				
	N	L	52 00				
	N	M	57 46	18	24		
		F	01 45 -				
26	N	e	02 34 36				
	N	M	44 41	15	4		Very disturbed by wind on building.
		F	03 10 -				
26	N	iS	08 37 19			83.8	U.S.C.G.S.: 34°N, 141°E
	N	iSS	42 44			9310 Km	
	N	i	48 14				T_o = 08h 14m 27s
	N	e	55 36				
	N	L	58 56				Obscured by shaking of building
	N	M_Q	09 05 51	15	29		
	N	M_R	09 54	19	49		
		F	10 - -				
29	N	L	01 05 25				
	N	M	09 41	12	3		
		F	16 -				
29	N	e	05 04 30				
		F	12 -				Very slight
Dec. 2	N	ePP	04 45 18			120°	U.S.C.G.S.: 3½°S, 141½°E
	N	iSKKS	52 37			13340 Km	
	N	ePPS	55 50				T_o = 04h 24m 42s
	N	e	05 00 30				
	N	L	24 07				
	N	M	33 35	25	13		
		F	06 45 -				
3	N	i	15 13 39				U.S.C.G.S.: 31°N, 85½°E
	N	i	20 26				
	N	i	26 56				
	N	M	32 12	22	33		
		F	16 12 -				

No. 5

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
4	N	i	15 08 38				U.S.C.G.S.: 49½°N, 129°W
	N	i	10 57				
	N	iS	14 16				
	N	i	16 54				
	N	iSS	18 28				
	N	eSSS	20 49				
	N	L	25 37				
	N	M	28 30	22	33		
	N	M	30 34	18	29		
		F	16 31 -				
5	N	e	10 28 45				
	N	M	35 34	18	4		
		F	53 -				
7	N	iSKS	02 29 30			96.4°	U.S.C.G.S.: 22°S, 68½°W
	N	iSKKS	30 09			10710 Km	
	N	i	30 57				T_o = 02h 05m 35s
	N	iPPS	32 24				
	N	iSS	36 51				
	N	iSSS	40 41				
	N	e	47 44				
	N	L	51 49				
	N	M	59 36	19	20		
		F	03 49 -				
8	N	e	03 01 50				
	N	M	03 50	15	2		Very slight
		F	06 -				
9	N	e	02 14 20				
		F	43 -				Very slight
12	N	iP	17 44 14			86.0°	
	N	iP_ePP	44 26			9555 Km	
	N	iPP	47 4[illegible]				T_o = 17h 31.7m
	N	i	51 55				
	N	iS	54 50				
	N	iS_eS	55 09				
	N	iSS	18 00 22				
	N	iSSS	03 41				
	N	i	07 10				
	N	L	14 10				
	N	M	16 41	24	78		
	N	M	20 20	21	61		
		F	21 - -				
18	N	e	04 01 -				
	N	M	07 33	20	4		Slight. ? seismological
		F	?				
22	N	e	19 36 35				
	N	M	44 43	19	7		
		F	52 -				
24	N	e	03 12 45				
	N	M	21 03	19	4		
		F	58 -				

No. 6

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

Date	Compt.	Phase	Time G.M.T. h.	m.	s.	Period sec.	Ampl. μ	Δ° km.	Remarks: Time of origin.
Dec. 25	N	i	02	11	58				
	N	iS		12	18				
	N	iSS		17	26				Obscured by microseisms
	N	i		23	00				
	N	i		26	36				
	N	i		37	30				
	N	i		43	05				
	N	M		55	03	18	22		
		F	03	40	-				
28	N	e	02	48	30				
		M		55	05	15	3		B.C.I.S.: 38½°N, 21°E
		F		59	-				

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