SEISMOLOGICAL BULLETIN.

No. 1. January - March 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.	Components.	Phase.	Time G.M.T.	Period secs.	Amp. μ	△ Km.	Remarks: Time of origin.
			h. m. s.				
Jan.2	N						Slight disturbance from 01h to 04h.
Jan.3.	E	ePP	03 8 51			91°	U.S.C.G.S. 91.4°
	E	i	14 38			10110Km	
	NE	SKS	15 33				
	NE	S	16 6				
	NE	eSS	22 30				
	N	eL	36 47				
	E	eL	37 47				
	E	M	41 29	26	42		
	N	M	41 42	26	60		
		F	04 89 -				
*Jan.3	NE	e	12 09 35				Surface Waves.
	E	M	13 57	20	6		
		F	16 -				
Jan.19.	N						Slight effect of surface waves 17h 40m - 18h 30m N. trace on E compt.

Corrections to October-December 1949 issue:-

Month	Date	Correction	Month	Date	Correction
Oct	31	+ 6 secs.	Dec.	25	+ 24 secs.
Nov.	All dates	+ 6 secs.	Dec.	26	+ 26 secs.
Dec.	17	+ 16 secs.			
Dec.	22	+ 22 secs.	Dec.	29	+ 32 secs.

SEISMOLOGICAL BULLETIN.

No. 3. January - March 1950.

King's College Observatory,
Aberdeen.

Date	Compon-ents.	Phase	Time G.M.T. h.	m.	s.	Period secs.	Amp. μ	Δ Km.	Remarks: Time of origin.
Jan.24.	N	i	17	09	49				No trace on E-W compt.
	N	i		12	23				
	N	i		15	12				
	N	i		27	44				
	N	i		28	47				
		F	18	06	-				
*Jan.30	N	i	01	32	14				Obscured by large microseism
	N	iSSS		38	54				U.S.C.G.S. = 124.3°
	N	i		46	0				
	NE	L		56	10				
	E	L		57	0				
	E	M	02	03	8	20	14		
	N	M		04	57	20	30		
		F		48	-				
Feb.2.	N	e	22	40	15				Obscured by microseisms.
	E	i		50	4				
	E	e	23	00	15				
	E	i		15	54				
		F		41	-				
*Feb.2/3.	N	i	23	47	5				Obscured by microseisms.
	E	i		51	35				
	N	i	24	02	27				
	NE	L		10	15				
	E	M		17	10	24	90		
	N	M		17	10	22	164		
		F	01	30	-				
Feb.3.	N	i	01	50	46				Obscured by microseisms.
		F	02	14	-				Surface waves.
Feb.3.	N	e	03	30	45				
	E	i		33	55				
	N	M		35	26	22	98		
	E	M		35	29	21	36		
		F	04	7	-				
*Feb.5.	N	i	02	00	55				U.S.C.G.S. = 173°
	N	iSS		09	47				
	N	iSSS		16	5				
	NE	e		43	-				
	N	e		51	45				
	NE	L		55	5				
	NE	M	03	14	10	E17	7		
		F		32	-	N20	8		
*Feb.11	N	e	02	17	30				Slight surface waves.
	E	e		19	50				
	E	i		23	54				
	N	e		28	9				
	N	M		33	6	15	3		
		F		42	-				
Feb.12	N	e	23	42	50				Very slight.
		F		51	-				

SEISMOLOGICAL BULLETIN.

No.3. January - March 1950.

King's College Observatory,
Aberdeen.

Date	Components.	Phase.	Time G.M.T. h. m. s.	Period secs.	Amp. μ	Δ Km.	Remarks: Time of origin.
Feb.28.	NE	iP	10 31 58			67.8°	
	N	i	33 20			7535Km.	
	NE	iPP	34 32				
	NE	iPPP	35 58				E 36m 5s.
	NE	iS	40 55				
	E	iPS	41 28				
	N	i	42 29				
	E	i	43 22				
	NE	iSS	45 34				
	NE	iSSS	47 46				
	E	i	49 39				
	E	i	51 15				
	NE	L	53 52				No definite maxima
		F	12 19 -				
Feb.28.	NE	i	11 23 02				After shock.
	N	i	25 46				
	E	i	27 22				
	N	i	32 25				
	NE	L	36 16				Again no definite maxima
		F	12 25 -				
Feb.28.	N	e	12 52 -				
	N	M	58 16	20	6		
		F	13 4 -				
* March 7.	NE	SKS	02 32 09			97.5°	T_o = 02h 8.0m.
	NE	PS	34 19			10840Km	
	NE	i	43 37				
	NE	e	50 40				
	E	L	59 10				
	N	L	03 00 30				
	E	M	11 15	19	66		
	N	M	11 22	18	91		
		F	36 -				
March 14	NE	e	03 33 -				
		F	34 -				
March 15	N	e	06 32 5				
			51 -				
* March 27	NE	i	13 24 24				
	N	i	29 8				
	N	i	32 31				
	NE	e	36 48				
	N	eL	43 3				
	E	eL	44 33				
	N	M	46 18	20	14		
	E	M	51 33	20	3		
		F	14 23 -				
* March 27	N	e	22 12 -				
	N	eL	17 49				
	E	eL	19 40				
	N	M	22 52	22	13		
	E	M	27 53	20	6		
		F	43 -				

SEISMOLOGICAL BULIETIN.

No.4. January - March 1950.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h. m. s.	Period secs.	Amp.	Δ Km.	Remarks: Time of origin.
March 29	N	e	18 11 10				No trace on E-W component.
	N	e	20 38				
	N	e	41 0				
	N	M	45 0	20	6		
		F	19 - -				

Natural Philosophy Department,
Marischal College,
ABERDEEN.

SEISMOLOGICAL BULLETIN.

No.2. April - June 1950.

King's College Observatory,
Aberdeen.

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

SEISMOLOGICAL BULLETIN.

No.3. April - June 1950.

King's College Observatory,
Aberdeen.

Date.	Components.	Phase.	Time G.M.T. h.	m.	s.	Period secs.	Amp. μ	Δ Km.	Remarks: Time of origin.
May 26.	N	PKP	01	36	36			143°	
	N	i		39	39			15390Km	
	NE	iPP		40	10				T_o = 01h 17m 4s.
	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°	
	NE	i		15	24			9120Km	T_o = 16h 52m 38s.
	NE	iPS		16	10				
		F	18	16	-				No definite maximum.
June 8	N	iPP	16	25	50			103.5°	
	N	iPPP		28	04			11,500Km	T_o = 16h 07m 36s.
	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°	Early part of N-S
	E	iSKS	13	02	17			11,500Km	record confused by
	E	i		05	33				shaking of building
	E	iPPS		05	57				
	E	iSS		10	57				
	NE	eL		32	40				
	N	M_1	13	34	47	30	44		
	E	M		44	27	20	11		
	N	M_2		44	30	20	30		
		F	14	59	-				

SEISMOLOGICAL BULLETIN.

No. 4. April - June 1950.

King's College Observatory,
Aberdeen.

Date	Components.	Phase	Time G.M.T. h.	m.	s.	Period secs.	Amp. μ	Δ Km.	Remarks: Time of origin.
June 20	E	i	14	19	30				Very slight: doubtful on N-S.
		F		25	-				
*June 21	N	iPKP	07	15	15			147.6°	
	N	iPP		18	40			16,400Km	
	E	iPPP		22	02				T_o = 06h 55m 36s.
	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		
	N	M		17	00	22	39		
		F	09	45	-				
June 21	NE	eL	10	51	40				
	N	M	11	09	15	22	7		
	E	M		11	20	21	9		
		F		24	-				
June 22	N	e	00	50	-				Very slight.
	N	e	01	43	40				
	E	e		56	-				
		F	02	16	-				
*June 24/25	NE	iPKP	22	45	04			147.6°	
	N	iPP		48	28			16,400Km.	
	NE	iPPP		51	54				E-W 51m 36s.
	NE	i		57	42				
	E	iSS	23	07	45				N-S 08m 00s.
	N	iSSS		13	11				T_o = 22h 25m 24s.
	NE	eL		33	20				
	N	M		46	51	20	28		
	E	M		47	27	22	23		
		F	01	30	-				
June 25	N	e	11	23	20			104.5°	
	E	iPP		24	21			11600Km	T_o = 11h 06m 03s.
	N	i		28	24				
	E	iSKS		30	40				
	NE	iSKKS		31	40				E 31, 47s.
	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	-				
June 27	E	eL	16	17	22				
	E	M		24	18	25	26		through source of light being cut off.

Natural Philosophy Department,
Marischal College,
Aberdeen.

No 1

Seismological Bulletin

July – November 1950

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 Registration: Two Components.

Compts	Mass	T_o	Damping Ratio	Magnification	1" Tilt	Date from which constants apply.
N	1 lb	10 secs	20 : 1	150	18.1	12/7/50
E	1 lb	10 secs	20 : 1	150	18.1	12/7/50

Date	Compts	Phase	Time G.M.T. h. m. s.	Period secs.	Amp/a	Δ° Km	Remarks: Time of origin
July 3	N	ePKP	10 21 26			110°	
	NE	ePP	23 10			12,220 Km	E 24 m 48 s
	NE	ePPP	24 28				
	NE	SKS	29 27				T_o = 10h 03 m 40 s.
	N	S	30 25				
	N	PS	32 26				
	E	eL	51 56				
	N	eL	53 31				
	E	M	11 00 27	25	13		
	N	M	00 49	22	13		
		F	57 –				
July 7	N	e	17 07 51			134.0°	
	E	iPP	08 37			14,900 Km	
	N	iSKP	09 36				T_o = 16h 46m 55 s.
	E	iPPP	11 36				
	N	eS	17 01				
	E	iSS	26 34				
	E	eL	18 03 26				
	N	eL	04 46				
	E	M	15 39	20	4		
	N	M	17 55	18	2		
		F	19 15 –				
July 9	E	e	00 45 58				No N-S record on 8-9 July.
	E	eL	01 02 56				
	E	M	08 00				
		F	26 –				
	E		12 50 –				

Date	Comp.	Phase	G.M.T. h. m. s.	Secs.	μ.	Δ	Remarks
	E	e	02 01 57				
*July 9	E	i	07 38				
	E	eL	40 47				
	E	M	58 47	20	3		
		F	03 26 –				
	E	e	03 42 52				
July 9	E	i	44 42				
		F	04 05 –				
July 9	E	iP	04 51 43			42.6°	
	E	iPP	53 57			8047 0km	
	E	iS	05 01 07				T_0 = 04h 40m 42s.
	E	iSS	05 24				
	E	i	11 04				No definite maximum
		F	06 41 –				
July 9	N	e	10 01 13				Very slight
	E	i	02 29				
	NE	i	06 31				
		F	46 –				
July 9	E	iP	16 19 04			49.0°	
	NE	iPP	20 48			5440km	
	NE	iPPP	21 53				T_0 = 16h 10m 34s.
	NE	iS	26 08				
	N	iSSS	30 26				No definite maximum.
		F	17 02 –				
July 10	E	i	06 00 38				Very slight
	N	e	10 52				
		F	53 –				
July 12	E	iPP	11 24 48			64°	Aleutian Islands
	E	i	29 35			7450km	Region: U.S.C.G.S.
	E	iS	31 02				
	E	e	40 08				
	E	M	53 40	16	2		
		F	12 50 –				

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King's College Observatory – Aberdeen.

Date	Com/lts.	Phase	Time G.M.T. h m s	Period Secs	Amp/μ	Δ° Km	
July	E	iPPP	04 21 07				
13	N	e	22 36			89.5°	
	N	i	25 39			9950 Km	T_o = 04h 02m 52 s.
	NE	iSKS	25 58				
	NE	i	29 24				
	NE	eSS	32 10				
		F	05 12 –				
July	N	e	20 40 52				No trace on W-E.
17	N	i	53 41				
	N	e	21 07 47				
		F	26 –				
July	E	eL	17 17 47				
18	N	eL	18 52				
	E	M	23 52	27	5		
	N	M	27 55	25	4		
		F	39 –				
July	N	iPP	09 53 06			140°	Fiji Islands region
20	NE	eSKP	53 46			15560 Km	U.S.C.G.S.
	E	i	10 02 36				
	NE	eSS	11 38				T_o = 09h 30m 47 S.
	E	eL	35 43				
	N	eL	35 53				
	N	M	44 56	23	3		
	E	M	46 58	25	4		
		F	11 38 –				
* July	E	ePKP	20 51 35				
21	NE	e	51 43			138°	
	NE	iPP	54 48			15340 Km	Ne
	N	i	55 08				T_o = 20h 32.2m
	N	iSKS	59 06				
	E	iSS	21 12 43				
	E	e	36 53				
	E	eL	50 50				
	E	M	22 00 –	19	4		
		F	47 –				

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King's College Observatory - Aberdeen.

Date	Compts	Phase	Time G.M.T h m s	Period secs.	Amp mm	Δ° Km	Remarks - Time of origin
July 23	NE	e	00 24 -				Very slight
		F	30 -				
July 23	NE	e	15 06 56				
	N	e	15 40				
	E	e	48 54				
	N	i	52 16				
		F	17 55 -				
July 25	E	e	17 33 15				
	E	M	35 52	17	2		
		F	51 -				
July 28	E	e	06 08 -				Very slight; ~~tra~~ces only on N-S.
		F	50 -				
July 29	N	e	15 07 -				
	E	e	17 30				
	N	M	21 07	12	1		
	E	M	22 04	12	1		
		F	42 -				
July 29	NE	i PP	17 04 49			108°	
	E	i	05 43			12 000 Km	
	NE	i SKS	10 52				T_o = 17h 46·1m.
	NE	i Ps	13 57				
	NE	e L	37 -				
	N	M	45 52	25	4		
		F	18 16 -				
July 29/30	NE	i PP	00 09 57			126°	
	NE	i	12 09			14000 Km	Ne
	N	Ps	20 00				Fe 20m 12s.
	NE	SS	27 06				T_o = 23h 49·1m
	NE	e	41 55				
	NE	e L	47 05				
	E	M	55 56	30	12		
	N	M	58 24	25	10		
		F	02 20 -				

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Seismological Bulletin July-November 1950

King's College Observatory - Aberdeen

Date	Comdts	Phase	Time G.M.T h m s	Period Secs	amp μ	Δ ° Km	
Aug. 1	N	e	09 30 58				
	N	IS	33 43				
	N	eL	50 –				
	N	M	59 13	15	2		
		F	10 09 –				
Aug. 2	NE	i	11 15 06				
	N	i	17 58				
	NE	eL	45 00				
	N	M	48 58	22	3		
	E	M_1	51 48	20	3		
	E	M_2	12 00 52	17	4		
		F	25 –				
Aug. 2	NE	i	13 59 16				
	E	i	14 02 38				
	NE	i	06 48				N-S 06m 52s
	N	i	09 08				
	NE	eL	20 56				
	NE	M	30 48	15	3		
		F	15 00 –				
Aug 3	E	iP	22 29 28			40 0°	
	NE	i S	38 38			4480 Km	
	E	eSs	43 21				T_0 = 22h 18m 20s.
	NE	eL	50 48				
	N	M	55 02				
	E	M	55 30				
		F	23 56 –				
Aug 5	E	e	09 41 28			142°	
	NE	iPP	42 04			19110 Km	
	NE	iPPP	46 11				T_0 = 09h 16m 48s.
	N	i	49 59				
	E	i	54 18				
	N	i	55 03				
	NE	e	10 25 30				
	N	eL	44 –				

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King's College Observatory – Aberdeen.

Date	Comps	Phase	Time G.M.T h m s	Period Secs	amp μ	Δ ° Km	
Aug 5	E	eL	10 46 –				
Cont^d	E	M	56 05	20	10		
	N	M	58 39	20	16		
		F	11 55 –				
Aug. 7	NE	ePP	03 03 10			103°	
	NE	i	03 43			11450 Km	
	NE	iSKS	09 18				T_0 = 02h 44m 45s.
	NE	iPPS	12 41				N 12m 48s.
	NE	i	18 48				
	NE	eL	35 –				
	E	M	40 28	25	22		
	N	M	40 51	22	26		
		F	04 32 –				
Aug 7	NE	e	16 41 –				Very slight.
		F	17 05 –				
Aug 13	E	e	17 13 10				No indication on N-S.
		F	28 –				
Aug 14	NE	iP	23 04 00			98.5°	
	NE	iPP	06 12			10950 Km	
	E	eSP	07 18				T_0 = 22h 51m 31s.
	N	iPP	08 05				
	NE	iSPP	11 11				
	NE	iSKS	13 38				
	NE	i	17 52				N 17m 59s.
	NE	i	19 55				
	NE	iSSS	25 00				N 25m 09s.
	NE	eL	35 –				
	N	M	49 00	19	6		
	E	M	49 02	20	6		
		F	24 15 –				
Aug 15	NE	iP	14 20 50			41.8°	
	N	i	23 44			4980 Km	
	N	iPPP	24 42				T_0 = 14h 09m 32s.

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Date	Comp'ts	Phase	Time G.M.T h m s	Period secs.	Amp μ	Δ° Km	Remarks - Time of Origin
Aug 15 Cont'd	NE	iS	14 30 09				
	N	iSS	35 16				
	N	iSSS	38 07				
	NE	L	46 00				
	NE	M	50 -	22	>31%		Limit of trace off chart.
		F	20 12 -				
Aug 15	NE	iP	21 53 59			69.0°	
	E	i	22 00 59			7660 Km	
	NE	iS	02 58				
	E	i	04 07				
	NE	e	11 09				
	E	M	24 54				
	N	M	28 14				
		F	42 -				
Aug. 16	E	i	05 53 41				Aftershock - India-Burma U.S.C.G.S.
	E	i	06 02 06				
	NE	e	11 50				
	N	M	14 -	16	3		
		F	36 -				
Aug 16	NE	P	06 53 18			70.2°	Ne
	E	i	07 01 48			7800 Km	Aftershock; India-Burma U.S.C.G.S.
	NE	iS	02 29				T_0 = 06h 42.3m
	NE	eSSS	10 19				
	N	eL	16 09				
	E	eL	17 59				
	N	M	22 12	18	11		
	E	M	26 54	15	11		
		F	08 00 -				
Aug 16	N	e	15 58 50				
	E	e	16 08 04				
		F	22 -				
Aug 16	N	i	18 04 39				Aftershock; India Burma U.S.C.G.S.
	N	e	26 09				

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Date	Compts	Phase	Time G.M.T h m s	Period secs	amp. μ	Δ° km	Remarks – Time of origin.
Aug. 16 Contd	E	e	18 30 00				
	N	M	36 45	15	3		
		F	44 –				
* Aug. 17	NE	iS	02 14 41				Aftershock: India-Burma U.S.C.G.S.
	N	esss	21 55				
	NE	e	30 –				
	N	M	33 58	21	12		
		F	54 –				
Aug. 17	NE	e	06 05 –				
		F	16 –				
Aug. 18	NE	iS	01 28 19				Aftershock: India Burma. U.S.C.G.S.
	E	iss	32 46				
	NE	esss	36 –				
	N	eL	41 49				
	E	eL	44 40				
	E	M	50 20	18	15		
	N	M	51 56	17	16		
		F	02 43 –				
Aug. 18	NE	iS	17 19 08				Ne Aftershock: India-Burma U.S.C.G.S.
	NE	SS	22 40				
	NE	e	36 55				
	E	M	43 00	17	10		
		F	57 –				
Aug. 20	E	iS	09 24 00				No N-S record.
	E	esss	09 31 20				
	E	i	41 00				
	E	M	49 45	12	1		
		F	10 – –				
Aug. 22	NE	e	02 59 –				
		F	03 21 –				

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King's College Observatory – Aberdeen.

Date	Combts.	Phase	Time G.M.T. h m. s.	Period secs	Ampl μ	Δ° Km	Remarks: Time of origin.
Aug. 22	E	e	06 58 45				
	N	iS	07 03 45				
	E	e	09 45				
	N	eL	22 15				
	E	M	27 04	16	3		
	N	M	27 33	14	2		
		F	40 –				
Aug. 22	N	eL	14 00 –				No E-W record.
	N	M	02 56	14	3		
		F	21				
Aug. 23	N	iS	03 29 40				
	N	eSSS	37 40				
	N	eL	46 30				
	N	M	49 –	20	4		
		F	04 10 –				
Aug. 23	NE	e	19 26 –				
	E	M	32 54	12	1		
	N	M	33 15	15	2		
		F	47 –				
Aug. 26	N	e	03 39 50				
		F	04 17 –				
Aug. 26	N	e	04 21 20				
		F	49 –				
Aug 26	N	ePP	04 51 30			56·7°	
	E	iPPP	52 30			6300 Km	
	E	iS	58 00				T_o = 04h 39m 40s.
	E	i	59 10				
	E	eSSS	05 03 45				
	E	M	12 50	19	2		
	N	M	13 53	19	2		
		F					
Aug. 26	N	e	06 45 50				
	E	e	48 54				
	NE	S	53 47				Ne

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Date	Comhts	Phase	Time G. M. T. h. m. s.	Period secs.	Amh. μ	Δ ° Km	Remarks: Time of origin.
Aug. 26 Contd	NE	SS	06 58 00				
	NE	i	59 55				
	N	e	07 03 07				
	E	e	03 55				
	E	eL	09 –				
	N	M	12 46	21	11		
	E	M	18 19	16	15		
		F	08 10 –				
Aug. 30	E	i	07 14 55				
	E	i	16 56				
	NE	i	20 11				
	E	e	27 48				
	NE	e	46 50				
	E	M	53 10	30	6		
	N	M	54 00	30	5		
		F	08 26 –				
Aug. 31st	E	iP	07 19 46			109°	
	NE	i	24 11			12100 Km	Ne
	NE	iPPP	26 21				N 26m 45 s.
	NE	iSKS	30 18				T_o = 07h 05·5m
	NE	iPS	33 41				
	NE	iPPS	34 47				
	E	i	37 07				
	N	eSS	39 25				
	E	e	43 50				
	NE	L	58 30				
	E	M	08 08 06	22	23		
	N	M	09 50	24	20		
		F					Lost in changing of charts.
Aug. 31	E	i	17 27 55			18°	
	E	iS	29 41			2000 Km	
	E	iSS	30 13				
	NE	eL	31 50				
	E	M	32 54	15	2		
	N	M	33 03	15	2		
		F	44 –				

Sept. 2	N	i	03	10	02			No E-W record available.
	N	e		15	–			
	N	eL		22	40			
	N	M		33	56	20	4	
		F		55				
Sept. 2	E	i	14	39	01			
	NE	e		43	30			
	N	eL		49	00			
	E	eL		49	40			
	E	M		54	52	21	3	
	N	M		57	11	20	3	
		F	15	14	–			
Sept. 2	NE	i	15	16	03			Ne
		F		45	–			
Sept 2	NE	i S	16	34	44		68·5°	N 34m 49S.
	E	i		37	19		7610 Km	
	NE	eSSS		42	11			
	NE	eL		53	–			
	E	M		58	53	15	5	
		F	14	24	–			
Sept. 4	N	e	12	24	–			
	E	e		32	–			
		F		45	–			
Sept 5	NE	eP	04	13	08		18·6°	
	E	i S		16	31		2065 Km	
	NE	i		19	11			T_o = 04h 08m 58 s.
	NE	i		19	46			
	NE	i		21	05			
	E	i		21	21			
		F		35	–			

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Date	Comps	Phase	Time G.M.T. h m s	Period secs.	Ampl. μ	Δ° Km	Remarks: Time of origin.
Sept. 9	N	e	1 01 30				
	NE	i	04 52				
	E	eL	19 20				
	N	eL	20 50				
	E	M	28 00	22	3		
	N	M	34 37	23	4		
		F	1 02 –				
* Sept. 10	NE	i S	03 44 07			82·6°	N 44m 09s.
	NE	e SS	49 42			9180 Km	
	E	eL_Q	56 24				T_o = 03h 21m 27s.
	E	eL_R	04 02 –				
	N	e	04 50				
	E	M	08 12	20	3		No defin. te maximum on N-S.
		F	35 –				
Sept 10	N	ePKP	15 35 29			136°	
	NE	i	35 42			15-100 Km	Ne
	N	i PP	38 13				T_o = 15h 16·3m.
	NE	iSKP	38 47				
	NE	i	39 50				
	NE	iSKKS	44 50				
	N	i	48 27				
	NE	i	51 43				
	N	i SS	56 04				Ee 55m 32s.
	N	eL	16 13 30				
	E	eL	14 00				
	N	M	24 57	20	8		
	E	M	25 54	23	9		
		F	17 45 –				
Sept. 11	NE	e	10 21 –				Surface waves only.
	E	M	24 08	14	2		
		F	30 –				
Sept 13	NE	e	00 46 –				Surface waves.
		F	01 05 –				

13	N	i		24 42				
	E	iS		27 39				
	NE	isss		35 55				
	NE	eL		44 10				
	E	M		47 08	23	18		
	N	M		47 11	22	22		
		F	12	06 --				
Sept. 19	N	iPP	20	49 54			114°	
	N	iPPP		52 49			12,660 Km	
	NE	iSKS		54 49				
	NE	ePS		59 32				
	NE	iSS	21	06 04				Ne
	NE	e		12 00				
	NE	eL		24 50				
	N	M_1		31 02				
	E	M		31 53				
	N	M_2	22	48 11				Waves by path > 180°.
		F	23	00 -				
* Sept. 21	NE	i	23	14 20				
	N	e		38 10				
	E	e		43 --				
	E	M		44 19	20	3		
		F		55 --				
Sept. 22	E	e	08	51 --				No trace on N-S.
	E	M		54 14	22	3		
		F		58 --				
Sept. 23	N	ePP	00	15 15			141°	
	NE	i		16 53			15670 Km	
	E	iPPP		18 20				T = 286 [illegible]
	N	iSKKS		22 05				
	N	iPPS		27 38				
	N	i		29 43				
	NE	i		33 05				

		F	01 16 –			
Sept. 23	E	i	06 35 11			U.S.C.G.S. 35°N. 26°E.
	N	i	35 41			
	NE	i	40 30			Ne
	E	M	42 05	20	3	
	N	M	44 04	12	1	
	E	i	44 10			
		F	55 –			
Sept. 24	N	i	23 12 06			No E-W record available.
	N	e	20 25			
	N	i	25 10			
	N	i	28 54			
		F	45 –			
Sept. 28	N	e	03 54 40			
	NE	eL	04 15 00			
	N	M_Q	17 55	20	3	
	E	M_Q	18 00	22	5	
	E	M_R	25 43	17	10	
	N	M_R	25 48	15	8	
		F	35 –			
Sept. 29	N	iSKS	06 54 50			No E-W record available.
	N	i	56 03			
	N	i	57 56			
	N	i	58 56			
	N	iSSS	07 06 17			
	N	L	11 12			
	N	M	19 34	15	26	
		F	08 02 –			
Sept. 30	N	e	07 49 10			No E-W record available.
	N	e	57 42			
	N	L	08 06 10			

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Date	Comp'ts	Phase	Time G.M.T. h. m. s.	Period secs	Amp. μ.	Δ ° Kms.	Remarks: Time of origin.
Sept. 30 and	N	M	08 13 03	13	5		
		F	15 –				
Oct. 3	N	e	23 40 –				Surface waves.
		F	44 –				
Oct. 5	E	i	16 21 29			83·2°	
	N	i P	21 43			9245 Km	
	E	i	24 21				T_o = 16h. 09m. 28 s.
	N	i PP	25 47				
	N	i	28 35				
	NE	i S	31 49				
	E	i	35 04				N 35m 10 S.
	E	i	35 57				
	N	i	39 29				
	E	i	41 57				
	N	i	43 29				
	NE	L	46 29				
	N	M	51 16	21	333		
	E	M	58 05	20	412		
		F	19 35 –				
Oct. 8	N	i	03 40 10			111·6°	No E-W record available.
	N	PKP	41 06			12,400 Km	
	N	e PP	42 22				T_o = 03h. 23·2 m.
	N	i PPP	45 13				
	N	i S	50 14				
	N	i	50 39				
	N	i PPS	52 42				
	N	i	55 49				
	N	i SS	57 55				
	N	i	04 03 29				
	N	L	13 59				
	N	M	27 52	25	165		
		F	06 10 –				
Oct. 15	N	e	14 03 –				Very slight.
		F	33 –				

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King's College Observatory - Aberdeen.

Date	Comps.	Phase	Time G.M.T. h. m. s.	Period Secs.	Amp. μ.	Δ ° Km	Remarks: Time of origin.
Oct 21	NE	e	05 26 –				Slight surface waves.
		F	55 –				
Oct. 21	N	e	10 18 –				
	E	e	26 –				
	N	M	25 52	22	4		
	E	M	28 51	22	4		
		F	57 –				
Oct. 23	NE	i	16 23 55			44.9°	
	NE	iP	25 16			865.5 Km	Ne
	N	i	27 06				
	E	iPP	28 12				T_o = 16h 13m 24s.
	NE	iPPP	29 56				Ne
	NE	iS	35 09				
	N	iPS	35 51				
	E	i	36 39				
	NE	iSS	40 22				E 40m 29s.
	E	iSSS	43 29				
	N	i	46 46				
	E	L	51 12				
	E	M_1	53 55	25	135		
	N	M_1	54 25	22	87		
	N	M_2	58 00	21	70		
	E	M_2 F^2	58 27	21	100		Merged in next disturbance.
Oct. 23	E	e	17 59 13				
	N	i	18 03 07				
	NE	i	09 00				
	E	i	14 29				
	NE	i	22 46				
	E	L	32 53				
	N	L	34 39				
	E	M	39 40	16	6		
	N	M	45 13	17	4		
		F	20 00 –				

Date	Compts	Phase	Time G.M.T. h. m. s.	Period secs.	Ampl. μ	Δ ° Km	Remarks: Time of origin.
Oct. 24	E	eL	00 19 —				No trace on N-S compt.
		F	33 —				
Oct. 24	E	eL	01 29 50				
	N	eL	33 50				
	E	M	39 51	20	4		No definite maximum on N-S compt.
		F	58 —				
Oct. 29	NE	e	01 52 —				Very slight surface waves.
		F	55				
Oct. 29	NE	e	06 41 —				Slight surface waves.
		F	51 —				
Oct 31	N	e	19 33 30				No E-W record available.
	N	eL	41 10				
	N	M	48 00				
		F	20 13 —				
Oct 31	N	e	21 00 16				
	N	M	05 —	18	2		
		F	15 —				
Nov. 2	N	e	07 27 10			99°	
	NE	e	30 05			8780 Km	
	E	iS	30 40				N 30m 4s.
	N	eSS	35 56				
	E	e	37 10				
	NE	e	46 50				
	NE	eL	51 50				
	NE	M	08 02 55	E 13 N 15	3 2		
		F	14 —				
Nov. 2	N	i	15 43 11			114°	
	NE	iPKP	46 49			12670 Km.	E 46m 57s
	NE	iPP	47 52				
	NE	i	49 02				2 shocks separated by 1m 10s.
	NE	i	49 55				
	E	iPPP	50 24				

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Date	Compts.	Phase	Time G M T h. m. s.	Period secs	Amp. μ	Δ° Km.	Remarks: Time of origin.
Nov. 2	E	i	15 52 31				
Cont'd	NE	iSKS	54 31				
	E	iS	55 46				
	N	iS	56 47				
	NE	iPS	58 22				
	NE	iSS	16 04 59				
	E	i	08 34				
	N	i	09 00				
	N	i	15 43				
	NE	i	21 17				
	E	L	26 16				
	N	M_Q	30 13	30	18		
	E	M_Q	30 41	30	18		
	N	M_R	34 56	25	14 3		
	E	M_R	37 40	27	161		
	N	M	17 37 08	22	27		By alternate path > 180°.
	E	M	40 03	18	17		ditto
		F	19 44 –				
Nov. 5	N	e	17 14 11				
	E	eL	15 41				
	E	M	23 06	20	4		
		F	42 –				
Nov. 5	NE	iP	17 49 44			84·3°	IV 49m. 48 s.
	NE	iPP	53 02			9340 Km	
	N	iPPP	56 17				
	NE	i	56 34				
	NE	iS	18 00 10				
	NE	iPS	00 54				
	N	i	04 16				
	NE	iSSS	09 24				
	NE	i	11 54				
	N	L	20 16				
	E	L	21 31				
	E	M_Q	25 33	20	41		
	N	M_R	32 02	17	36		
		F	19 34 –				

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Date	Comp'ts.	Phase	Time G.M.T h. m. s.	Period secs.	Amp. μ	Δ° Km.	Remarks: Time of origin.
Nov. 6	NE	e	23 35 –				Very slight.
		F	54 –				
Nov. 8	N	i	02 40 54			133°	
	N	iPKS	41 30				
	N	eSKS	45 00				
	N	iPS	50 42				
	N	i	58 56				
	N	L	03 22 12				
	N	M	28 42	22	56		
		F	05 11 –				
Nov. 14	N	e	19 49 23				
	N	e	55 43				
	N	e	20 06 54				
	N	eL	10 08				
	N	M_Q	19 –	20	3		
	N	M_R	23 50	16	4		
		F	47 –				
Nov. 17	N	e	22 29 55				
		F	50 –				

Natural Philosophy Department,
Marischal College,
Aberdeen.

A. Ellis Geddes.

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.	Components.	Phase.	Time G.M.T. h.	m.	s.	Period secs.	Amp. A	Δ Km.	Remarks: Time of origin.
April 4	NE	iS	19	01	25				
	NE	i		04	59				U.S.C.G.S. 54.2°
	N	i		10	15				
	NE	L		13	10				
	N	M		20	6	12	52		
	E	M		23	11	11	28		
		F	20	06	-				
April 5	N	i	18	21	36				
	N	e		24	38				
		F		28	-				
April 6	N	i	03	11	07				
	N	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				N-S record disturbed
	E	M		38	43	20			by shaking of building
		F		47	-				
April 20	E	i	17	31	38				
	N	i		32	12				
		F		38	-				
April 30	E	i	11	05	00				
	E	i		13	56				
	E	e		26	44				
	E	M		27	57	25	6		[illegible] any phase on N-S
		F	12	23	-				

DEC 1950

Seismological Bulletin

November 1950 – ~~March 1951~~

No 1

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 registration: Two components.

Compts	Mass	T_o	Damping Ratio	Magnification	1" Slit	Date from which constants apply.
N	1 lb.	10 secs.	20 : 1	150	18.1	12/4/50
E	1 lb.	10 secs.	20 : 1	150	18.1	12/4/50.

Date	Compts	Phase	Time G.M.T. h. m. s.	Period secs.	Amp mm.	Δ° Km.	Remarks: Time of origin
Nov.	E	iP	10 29 14				
22	NE	iPPP	33 54			42.4°	U.S.C.G.S. 51°N 146°W.
	E	eS	38 39			8080 Km.	
	E	iPS	39 10				
	NE	e	42 14				
	N	eL	50 46				
	E	eL	53 54				
		F	11 15 –				
Nov.	N	e	21 33 –				Surface waves only.
24	E	e	36 –				
		F	22 00 –				
Nov. 28	E	e	18 08 10				Surface waves only.
	N	e	09 20				
		F	16 –				
Dec	E	iP	15 01 10			56.4°	
1	N	i	05 14			6300 Km.	T_o = 15h 50.9m.
	NE	iS	08 07				Observed by microseism.
	N	iPS	08 35				
	NE	iSS	12 00				
	NE	iSSS	13 50				N 13m 54S.
	N	i	14 33				
	N	i	14 23				
	E	L	14 33				
	E	M	20 01	14	43		No definite maximum on N-S.
		F	16 16 –				
Dec.	NE	iPKP	20 11 26			141°	
2	N	iPKS	14 47				
	E	i	15 11				T_o = 19h 56.9m.
	NE	iSKS	19 35				

Dec 1950

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Seismological Bulletin Records of 1950 – ~~March 1951~~.

King's College Observatory Aberdeen.

Date	Comp'ts	Phase	Time G.M.T. h. m. s.	Period Secs.	Amp. μ	Δ° Km.	Remarks : Time of origin
Dec.	N	i	22 58				
14	N	iPKKS	25 10				No E-W component
Cont.	N	i	31 41				available.
	N	iSS	34 27				
	N	i	56 50				
	N	M	03 09 38	19	41		
	N	M	04 05 30	18	21		Big kath > 150°.
		F	45 –				
Dec.	NE	iP	14 27 58			81·5°	INe
14	E		30 54			9060 Km	U.S.C.G.S. 17°N, 98° W.
	E	iPP	31 20				N 31m 32s.
	E	iPPP	32 55				T_0 = 14h 15m 5·7s.
	NE	iS	38 10				
	NE	i	40 02				
	E	iSS	43 50				
	NE	iSSS	47 10				Ne
	NE	L	57 40				
	N	M	15 01 11	20	66		
	E	M	04 07	20	123		
		F	17 26 –				
Dec.	N	i	21 35 11				E-W clock under repair
19	N	M	39 12	15	3		
		F	47 –				

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Seismological Bulletin November 1950 – ~~March 1951.~~ DEC 1950

King's College Observatory: Aberdeen.

Date	Compts.	Phase	Time G.M.T. h.	m.	s.	Period Secs.	amp. μ.	Δ° km.	Remarks: Time of origin.
Dec. 2 Contd.	E	i	20	21	13				
	E	iPSKS		25	16				
	N	i		26	52				
	N	iSS		33	26				
	E	L		51	13				
	N	i		54	12				
	N	L		59	00				
	N	M	21	03	58	22	63		Maxima very uncertain.
	E	M		24	11	20	36		
		F	22	45	–				
Dec. 4	NE	iPP	16	49	06			124°	
	NE	iSKKS		55	34				T_0 = 16h 28.4m.
	N	iPS		59	23				
	E	i	17	09	02				
	E	L		28	13				
	N	L		29	18				
	N	M		43	55	22	17		
		F	18	45	–				
Dec. 9									No records available.
Dec. 10	N	iPKP	13	42	42			151°	
	EN	i		44	17			16780 Km	U.S.C.G.S 28½°S, 179°W.
	NE	iPP		46	59				T_0 = 13h 23m 07s.
	E	i		48	42				
	N	i		52	31				Strong.
	N	iPSKS		56	31				
	N	i	14	00	52				
	NE	iSS		05	11				
	NE	i		15	26				Ee
	E	i		16	07				
		F	15	43	–				No distinct maxima
Dec. 14	N	iPKP	02	11	56			142°	
	N	iSKP		15	06			15780 Km	U.S.C.G.S 19½°S, 171°W
	N	iPKS		15	36				
	N	i		16	40				
	N	iSKS		19	05				
	N	iSKKS		21	47				