SEISMOLOGICAL BULLETIN.

No. 1. January - March 1949.

King's College Observatory,
Aberdeen.

Lat. 57°10' M. 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	5/4/48
E	1 lb.	10 sec.	20.1	150	18.1	5/4/48

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
			No N-S component.						
Jan 14	E	e	16	8	25				
	E	M		11	35				Obscured by micro-seisms.
		F		21	-				
Jan 19	E	e	15	39	34				
	E	eL		42	24				
	E	M		48	17	23	55		
		F	16	15	-				
Jan 23	E	i	01	11	26				
	E	i		16	19				
	E	L		16	32				
	E	M		17	9	12	7		
		F		27	-				
Jan 23	E	iPP	06	49	12				
	E	i		52	48			98.8°	
	E	iSKS		55	45			10,980Km	
	E	iPS		58	23				
	E	iSS	07	3	37				T =06h
	E	L		21	23				31m 26S
	E	L		25	8				G.M.T.
	E	M		34	10	20	19		
		F		53	-				
Jan 27	E	e	08	28	22				Surface waves.
		F		35	-				
Feb.1.	E	iPP	18	35	36				
	E	iPPS		45	40			116.5°	
	E	i		48	26			12,945Km.	
	E	iSSS		56	39				
	E	eL	19	14	3				T_o=18h
	E	M	M	27	23	21	12		15m 51S
		F		49	-				G.M.T.

SEISMOLOGICAL BULLETIN.

No.2. January - March 1949.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
Feb.2.	E	iS	18	1	19				
	E	i		9	27				
		F		39	-				
Feb. 13.	E	iSKS	18	55	10				
	E	i	19	8	0			157.5°	
	E	eL		43	25			17500Km	
	E	i		47	0				
	E	M		55	0	21	12		
		F	20	35	-				
Feb. 14.	E	i	19	1	44				
	E	L		29	30				
	E	e		32	20				
	E	M		35	50	25	9		
		F		48	-				
Feb. 23.	E	iP	16	16	51				
	E	iPP		19	17			62.6°	
	E	iS		25	19			6955Km.	
	E	iSS		29	31				T_o=16h 6m 35S G.M.T.
	E	iSSS		32	5				
	E	i		33	30				
	E	i		35	24				
	E	L		36	50				
	E	M		41	42	13	590		
		F	17	36	-				
Feb.24.	E	i	23	25	56				Very slight
		F		42	-				
Feb. 28.	E	i	01	10	15				Surface waves
		F		28	-				
Mar. 2.	E	iP	06	58	18				
	E	iS	07	0	44			13.1°	
	E	L		1	42			1455Km	
	E	M		3	16	13	14		
		F		17	-				
Mar. 4.	E	i	01	41	22				
	E	i		43	49				
	E	eL	02	14	9				
	E	M		26	22	20	16		
		F		54	-				

Natural Philosophy Department,
Marischal College,
ABERDEEN.

SEISMOLOGICAL BULLETIN.

No.3.

January -March 1949.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
Mar. 4.	E	e	10	26	55				
	E	iP		28	12			50.3°	
	E	i		29	22			5590Km	
	E	iPP		29	54				
	E	iPPP		30	54				T_o = 10h 19m 23s G.M.T.
	E	i		33	50				
	E	iS		35	10				
	E	iPS		35	44				
	E	iSS		38	18				
	E	iSSS		40	25				
		F	12	53	-				
Mar.16/17.	E	iPP	22	46	6				
	E	iSKKS		53	4			121°	
	E	e	23	9	41			13445Km	
	E	eL		21	38				
	E	L		23	40				
	E	M		30	29	25	30		
		F	00	39	-				
Mar. 17.	E	i	21	25	17				
	E	i		35	50				
	E	e	22	2	7				
	E	eL		11	27				
	E	M		17	41	24	12		
		F	23	14	-				
Mar. 24.	E	i	21	17	20				
	E	i		25	8				
	E	e		28	50				
	E	M		38	57	17	22		
		F	22	19	-				
Mar. 27.	E	e	06	48	19			118°	
	E	ePP		51	20				
	E	iSKP		52	53			13110Km	
	E	iPPP		53	52				
	E	iS		59	6				
	E	iPPS	07	2	16				
	E	i		3	2				
	E	i		9	24				
	E	iSSS		13	57				
	E	eL		21	29				
	E	L		28	20				
	E	M_1		33	19	30	206		
	E	M_2		36	0	22	138		
		F	09	46	-				
Mar. 28.	E	e	13	33	12				
	E	e		40	44				
		F	14	5	-				Surface waves
Mar. 30.	E	E	16	0	0				
	E	M		6	40	20	6		
		F		26	-				Surface waves

SEISMOLOGICAL BULIETIN.

No. 1. April - June 1949.

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.	Ampl.	Δ	Remarks.
							mm	Km.	
Apr. 1	E	e	09	37	47				
	E	e		41	37				
	E	M		47	30	27	5		
		F	10	2	-				
Apr. 2	E	e	17	12	37				Traces only.
		F		17	-				
Apr. 3	E	e	07	33	59				
	E	M		36	42				Surface waves.
		F		50	-				
Apr. 11	E	e	01	13	40				Very slight.
		F		33	-				
Apr. 13	E	iP	20	6	22			65°	T_o=19h
	E	iS		14	55			7220Km	55m 50s.
	E	e		19	41				
	E	eL		22	23				
	E	M		27	35	35	109		
		F	21	26	-				
Apr. 14	E	e	23	36	42				Very slight
		F		49	-				
Apr. 20.	E	iPP	03	48	4				
	E	iSKS		54	12			112.1°	
	E	iPS		57	40			12450Km	T_o=03h
	E	iPPS		58	40				28m 53s.
	E	i	04	0	56				Chilean
	E	e		4	25				Earthquake.
	E	iSSS		7	30				
	E	e		16	35				
	E	L		23	30				
	E	M_1		27	57	25	37		

SEISMOLOGICAL BULLETIN.

No.2. April - June 1949.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
Apr.20 (Cont.)	E	M_2		33	33	20	41		
		F	05	28	-				
Apr.23	E	ePP	11	35	38			114°	
	E	iPS		45	36			12,660Km	T =11h 16m ° 0s. G.M.T.
	E	iPPS		46	18				
	E	i	12	12	57				
	E	e		19	59				
	E	eL		23	23				
	E	M		29	41	20	6		
		F		48	-				
Apr. 25	E	iSKS	14	18	37			96°	
	E	iS		19	20			10660Km	T =13h 54m ° 53s G.M.T.
	E	iPS		20	41				
	E	iPPS		21	22				
	E	iSS		25	55				
	E	iSSS		30	3				
	E	i		36	42				
	E	L		39	51				
	E	M		46	34	21	36		
		F	15	41	-				
Apr. 25	E	e	20	33	-				Traces
		F		42	-				
Apr. 30	E	e	01	40	50			110°	
	E	iPKP		41	43			12220Km	T=01h 23m 25s G.M.T.
	E	iPP		42	21				
	E	iPPP		44	30				
	E	iSKS		47	50				
	E	iPS		51	6				
	E	iSS		57	28				
	E	iSSS	02	1	58				
	E	eL		11	5				
	E	M		18	23	27	95		
		F	03	40	-				
May 3	E	e	06	16	45				Slight
	E	i		17	9				
		F		27	-				
May 9	E	e	13	56	7			85°	
	E	iSKS		59	36			9450Km	
	E	iS		59	57				
	E	e	14	8	53				
	E	eL		23	51				
	E	M_1		27	30	25	13		
	E	M_2		36	57	18	11		
		F	15	14	-				

SEISMOLOGICAL BULLETIN.

No.3. April - June 1949.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
May 10	E	e	01	11	26				
	E	i		14	29				
		F		25	-				
May 13	E	e	20	20	24				
	E	i		32	30				
	E	i		34	24				
		F		44	-				
May 16	E	e	05	32	30				
	E	M		46	36	22	6		
		F		57	-				
May 21	E	eP	21	52	51				
	E	i	22	2	15			80°	
	E	iS		2	50			8890Km	
	E	i		15	39				
	E	eL		19	16				
	E	M_1		24	55	20	8		
	E	M_2		31	5	18	11		
		F	23	2	-				
May 30	E	e	01	54	40				
	E	iS		56	33			96° approx.	
	E	i		58	34			10700Km	
	E	iSS	02	3	32				
	E	M		24	27	20	4		
		F		29	-				
June 11	E	eS	14	37	-				
	E	eL	15	1	18				
	E	M		9	24	15	3		
		F		24	-				
June 12	E	iSKS	18	14	44				
	E	e		17	30				
	E	i		18	44				
	E	i		20	52				
		F	19	9	-				
June 14	E	e	01	10	12				Very slight
		F		26	-				
June 16	E	i	18	29	6				
	E	i		34	18				
	E	i		36	31				
	E	i		42	40				
		F	19	5	-				
June 19	E	e	12	46	30				
	E	M		47	32	20	3		
		F		48	30				

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
June 24/25	E	iPP	22	57	12				
	NE	eSKS	23	3	29			105°	
	E	iPPS	23	6	12			11650Km	
	E	e		9	34			approx.	
	E	iSSS		16	11				
	NE	eL		30	30				
	E	M		41	55	20	10		
	N	M		43	42	20	7		
		F	00	18	-				
June 25.	E	e	20	44	30				Very slight
		F		58	-				
June 26.	N	e	05	51	40				Very slight
	E	e		55	20				
		F	06	6	-				
June 26.	E	i	09	10	15				Early part lost during changing of chart
	NE	e		16	17				
	NE	eL		36	20				
	NE	M		45	3	E 22 6			
		F	10	8	-	N 23 4			
June 27	E	e	13	46	45				
	NE	i		55	39				
	E	M		58	29	16	4		
	N	M	14	0	30	16	3		
		F		5	-				
June 28	E	e	20	30	30				Very slight on N-S
	E	M		31	40	20	3		
		F		36	-				

Natural Philosophy Department,
Marischal College,
Aberdeen.

SEISMOLOGICAL BULLETIN.

No.1. July - September 1949.

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.	Ampl. μ	Δ km.	Remarks.
July 2	E	ePP	11	50	23				
	E	e	12	48	20				
	E	M	13	6	33				
		F		33	-				
July 2	E	iPP	20	15	25				
	E	i		21	16			103.2°	
	E	iSKS		21	43			11,450Km	
	E	iSKKS		22	45				
	E	iS		23	3				
	E	iPS		24	33				
	E	iSS		29	54				
	E	eSSS		34	28				
	E	eL		48	15				
	E	M		53	26	26	14		
	E	M	22	10	53	17	3		Surface waves by supplementary path.
		F	22	28	-				
July 4	E	iP	03	49	38				
	E	ePP		51	38			50.2°	
	E	i		55	25			5580Km	
	E	iS		56	49				T_o =3h 40m 51s. G.M.T.
	E	iSS	04	0	31				
	E	e		10	13				
	E	M		18	45	18	3		Persian Gulf Region
		F		48	-				
July 8	N	iP	18	21	36			15.2°	U.S.C.G.S.
	N	e		24	1			1690Km	T_o =18h 18m 6s. G.M.T.
	E	eS		24	19				
	N	eS		24	28				
	N	M		26	42	14	4		
	E	M		26	46	14	4		
		F		42	-				

SEISMOLOGICAL BULLETIN.

No.6.

July - September 1949.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
Sept.14 (Cont.)	NE	L		38	42				
	NE	M		46	6 →	E 32	79)		
	N	M_2	22	14	30	N 35	87)		
		F		19	-	16	2		
Sept. 16.	NE	e	20	10	35				Very slight.
		F		31	-				
Sept. 16.	N	e	21	4	35				No E-W record.
		F		45	-				
Sept. 18	N	e	00	16	45				No E-W record.
	N	M		25	24	18	2		
		F		49	-				
Sept. 19	N	e	22	38	30				
	E	e		39	40				
	NE	M		45	33	18	2		
		F	23	16	-				
Sept. 21	E	eP	13	7	0				
	E	iS		16	41				
	N	i		17	28				N-S 16m 45s.
	E	i		17	41			76.0°	
	NE	eSS		21	25			8445Km	T_o =12h 55m 22s
	E	L		27	15				
	E	M		33	30	32	15		
		F	14	0	-				
Sept. 24	NE	e	05	1	17				
	NE	e		30	20				
		F	06	11	-				
Sept. 27	NE	iP	15	41	15				
	E	ePP		43	40			63.0°	
	NE	eS		49	45			7000Km	
	NE	iSSS		56	13				T_o =15h 30m 54s
	E	L		59	27				
	N	L	16	0	0				
	N	M		8	16	19	67		
	E	M		8	24	16	38		
		F	17	39	-				
Sept. 27.	E	e	17	58	15				
	N	e	18	0	23				Perhaps a renewal of the previous shock.
	E	e		5	40				
	N	e		6	0				
	E	M		7	40	20	3		
	N	M		9	40	20	3		
		F		44					

SEISMOLOGICAL BULLETIN.

No.2. July - September 1949.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl.	Δ km.	Remarks.
July 10	NE	iP	04	2	21			49.1°	
	N	i		3	36			5455Km	
	N	iPP		4	16				T_o =03h
	N	iPPP		4	58				53m
	N	iP.S		6	45				42s G.M.T.
	N	i		8	43				
	N	iS		9	25				
	N	i		10	25				
	N	iSS		12	21				
	N	i		13	5				
	N	i		16	25				
	N	L		19	33				
	N	M		27	15	12	736		
		F	08	7	-				
July 10	N	e	11	11	16				
		F		43	-				Very slight
July 10	N	i	12	26	26				
		e		29	25				
		F		41	-				
July 10	N	e	14	25	17				
	N	i		33	0				
	N	i		39	45				
	N	eL		42	30				
		F		15	-				
July 10	N	ePP	15	29	28			49.4°	
	N	eS		34	38			5445Km	
	N	iSS		38	24				T_o =15h
	N	i		44	52				18m 54s
	N	L		46	5				G.M.T.
	N	M		49	58	15	10		
July 10	N	ePP	15	59	35			49.4°	
	N	iS	16	5	10			5490Km	
	N	i		7	55				T_o =15h
	N	iSS		8	32				48m
	N	i		15	35				57s G.M.T.
	N	L		17	5				
	N	M_1		20	38	18	44		
	N	M_2		22	50	16	47		
July 10	N	eP	16	32	45			49.2°	
	N	iPP		34	38			5465Km	
	N	iPPP		35	25				T_o =16h
	N	iS		39	50				24m
	N	i		43	41				05s G.M.T.
	N	iSSS		44	35				
	N	L		47	55				
	N	M_1		51	24	10	51		
	N	M_2		54	55	12	56		
		F	18	30	-				

SEISMOLOGICAL BULLETIN.

No.3.

July - September 1949.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
July 11	N	iP	16	23	19			79°	
	NE	iS		33	10			8780Km	
	E	eL		51	20				
	N	eL		53	20				
		F	17	53	-				
July 13	N	e	10	38	20				
	E	e		41	20				
	NE	M		45	27				
		F	11	5	-				
July 14	NE	e	11	18	2				
	NE	e		22	2				
		F		45	-				
July 18	E	e	00	59	40				
	N	e	01	1	38				
	NE	eL		26	30				
	E	M		34	43	25	4		
		F	02	1	-				
July 19	E	iP	17	51	3			52°	
	E	iPP		52	57			5780Km	N-S ePP 17h 53m 01s.
	E	eS		58	25				
	N	e	18	1	30				
	E	iSS		1	51				T_o =17h 42m 1s G.M.T.
	NE	i		9	33				
	N	M		13	20	13	5		
	E	M		13	39	12	3		
		F		45	-				
July 23	NE	i	10	45	59				
	NE	i		49	38				
	N	i		59	20				
	NE	L	11	7	22				
		F	12	22	-				
July 23	NE	iP	15	9	10			27.0°	
	NE	iPP		9	50			3000Km	T_o =15h 3m 35s G.M.T.
	NE	iS		13	50				
	E	i		14	50				
	NE	L		17	20				
	N	M		30	31	13	126		
	E	M		22	4	13	113		
July 27	NE	e	15	31	37				
	NE	e		34	39				
	N	i		41	57				
	NE	i		45	37				E-W e
	NE	e	16	11	42				
	NE	eL		28	-				
	N	M_1		32	42	20	4		
	E	M_1		33	42	20	6		Surface waves in supplementary direction.
	N	M_2	17	4	39	20	3		
	E	M_2		10	38	16	4		
		F		41	-				

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
July 30	E	e	17	57	37				
	NE	e	18	2	10				
		F		20	-				
			August.						
Aug. 5.	NE	iS	19	31	41				
	NE	i		34	31				
	N	e		43	39				
	E	L		49	2				Ecuador Earth-
	N	M		54	36	20	5		quake.
	E	M		55	44	20	8		
		F	20	24	-				
Aug. 6.	N	iPP	00	58	11				
	E	i	01	11	19			141.6°	
	NE	iSS		16	28			15740Km	
	NE	i		17	0			U.S.C.G.S.	
	NE	e		35	-				
	N	L		42	20				
	N	M		49	37	24	6		
	E	M		55	54	25	9		
		F	02	33	-				
Aug. 13.	E	e	18	52	41				
	N	e		55	20				
	N	i	19	1	39				
	E	i		4	32				
	N	e		4	48				
	NE	e		13	40				
	E	M		25	8	20	6		
	N	M		27	41	21	6		
		F		53	-				
Aug. 17.	N	iP	18	45	48				
Aug. 17.	NE	iP	18	50	47				
	NE	iPPP		51	59			32.4°	
	E	i		53	7			3600Km	
	NE	iS		56	5				
	NE	iSSS		58	17				T_o=18h
	NE	i	19	0	28				44m
	N	L		3	23				24s.
	E	L		3	44				
	N	M		5	56	19	149		
	E	M		6	58	17	104		
		F	21	23	-				
Aug. 18.	E	e	13	54	-				
	E	M	14	14	25	20	4		Very
		F		43	-				slight
									on N-S
Aug. 22.	NE	iP	04	11	38				
	NE	iPP		13	53			62.9°	
	NE	i		15	58			6990Km.	
									T_o=04h 01m 20s.

SEISMOLOGICAL BULLETIN.

No.5. July - September 1949.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl.	km.	Remarks.
Aug. 22 (cont.)	NE	iS		20	8				
	NE	iPPS		20	51				
	NE	iSS		24	19				
	NE	iSSS		26	38				
	E	L		31	8				
	N	L		31	48				
	N	M		35	13	20	1500		Deflection
	E	M		38	-	15	1043		off chart.
		F	08	42	-				
Aug. 23	E	e	20	15	50				Very slight
	E	M		20	-				Fore shock
		F		27	-				of the next
Aug. 23	NE	iP	20	35	4			64.2°	(U.S.C.G.S.)
	NE	iS		43	41			7135Km	T_o =20h 24m
	NE	i		48	39				37s
	NE	L		56	59				E-W e
	E	M	21	1	16	15	13		
	N	M		3	36	18	13		
		F	22	0	-				
Aug. 28	E	i	19	33	28				
	NE	i		36	58				
	NE	L		38	8				
	E	M		39	43	16	2		
	N	M		40	53	16	2		
		F		50	-				
		September.							
Sept. 5.	NE	eSKS	03	17	49				N-S 17m
	NE	iS		18	30				55s
	E	iSS		24	55				
	N	i		40	40				
	E	eL		40	56				
	N	eL		42	48				
	E	M		47	13	20	3		
	N	M		47	20	18	2		
Sept. 5.	E	eL	04	5	28				Renewal of
	N	L		5	41				the above
	N	M		11	33	20	3		shock
	E			11	42	20	3		
		F		36	-				
Sept.14.	N	e	02	14	-				Very slight
	E	e		22	-				
		F		35	-				
Sept. 14.	NE	iPP	20	9	16			108°	
	E	SKP		12	18			12000Km	T_o =19h
	NE	SKS		15	26				50m 30s
	N	iS		16	48				E-W 15m
	NE	iPS		18	36				20s
	NE	PSS		19	33				
	NE	e		24	43				
	NE	eSSS		28	28				
	E	e		32	12				

go back

SEISMOLOGICAL BULLETIN.

No.7. July - September, 1949.

King's College Observatory,
Aberdeen.

Date	Components	Phase	Time G.M.T. h.	m.	s.	Period secs.	Ampl. μ	Δ km.	Remarks.
Sept. 29	NE	e	05	16	10				
	E	i		19	33				Very slight
	N	e		20	15				
		F		27					
Sept. 30	N	e	05	21	30				
	E	e		22	0				No definite
	E	M		29	50	20	6		maximum on
		F	06	10					N-S.

Natural Philosophy Department,
Marischal College,
ABERDEEN.

SEISMOLOGICAL BULLETIN.

No.1. October - December, 1949.

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. μ	△ Km.	Remarks: Time of origin.
√Oct.4	N	eS	10 37 52				
	E	i	38 45			56°	
	E	PS	42 12			6220Km.	
	N	SSS	44 22				
	N	e	46 37				
	E	L	48 12				
	E	M	50 32	14	19		
	N	M	51 23	15	13		
		F	11 23 -				
√Oct.7	NE	iPP	12 20 13			103°	N 12h 20m 16s.
	NE	iSKS	27 3			11445Km	
	NE	i	27 13				
	NE	iPPS	30 34				N 12h 30m 31s.
	NE	eSS	35 40				
	NE	eL	53 50				T_o = 12h 2.1m.
	E	M	13 7 42	18	13		
	N	M	13 5	13	9		
		F	14 1 -				
Oct.7	N	e	14 4 50				Perhaps renewal of previous shock.
	E	e	6 40				
	E	e	17 40				
	N	eL	21 30				
	E	M	33 35	16	2		No definite maximum on N-S.
		F	54 -				
Oct.8	NE	i	03 18 25				E e
	E	M	26 25	13	3		
	N	M	30 27	10	2		
		F	42 -				
Oct.8	N	e	21 25 40				Slight surface waves.
	E	e	29 40				
		F	34 -				

SEISMOLOGICAL BULLETIN.

No.2. October - December, 1949.

King's College Observatory,
Aberdeen.

Date.	Components.	Phase.	Time G.M.T. h. m. s.	Period secs.	Amp.	Δ Km	Remarks: Time of origin.
Oct.19	N	i	21 30 24				Obscured by microseisms 125.2° U.S.C.G.S.
	E	iPS	31 26				
	E	e	37 14				
	N	iSS	39 14				
	N	eSSS	45 9				
	N	eL	48 44				
	E	L	51 45				
	E	M_1	56 31	33	77		
	N	M	22 5 18	29	52		
	E	M_2	6 22	25	43		
		F	23 27 -				
Oct.20	E	eSKKS	13 13 7				After shock of 19d 21h. No indication on N-S compt.
	E	e	20 35				
	E	eL	50 34				
	E	M	58 34	20	3		
		F	14 20 -				
Oct.21	E	e	22 54 12				
		F	23 5 -				
Oct.31	E	i	01 57 37				
	E	e	02 5 17				
	E	M	14 26	16	11		
		F	42 -				
Oct.31	E	e	18 24 -				Very slight.
		F	19 15 -				
Nov.1	E	i	13 38 44				Surface waves.
		F	49 -				
Nov.2	E	e	03 27 -				Surface waves. No trace on N-S compt.
		F	57 -				
Nov.7	E	i	06 56 51				
	NE	e	07 8 15				
	NE	e	15 50				
	N	M_1	30 36	20	5		
	E	M_1	30 46	24	20		
	N	M_2	08 0 26	20	8)		Perhaps due to a renewal of the shock.
	E	M_2	2 26	16	5)		
		F	13 -				
Nov.11	NE	e	16 32 6				Slight.
	E	M	33 24	20	3		
		F	36 -				
Nov.13	E	e	05 18 -				No trace on N-S compt.
	E	eL	21 40				
	E	M	28 25	17	4		
		F	44 -				
Nov.20	E	i	07 30 14				
	NE	i	31 20				
	E	e	42 10				Mainly surface waves.
	NE	eL	44 30				
	N	M	54 5	14	29		
	E	M	55 10	12	20		
		F	08 50 -				

SEISMOLOGICAL BULLETIN.

No.3. October - December, 1949.

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.
Nov.22	NE	PKP_1	01	11	34				Obscured by microseisms.
	E	i		12	18				
	N	i	01	12	57				
	E	i		13	35				
	N	iPP		15	48				
	E	iPPP		18	43				
	E	SKS		22	34				
	NE	PS		25	18				
	E	PPS		26	14				
	NE	i		32	1				
	NE	SS		35	32				E 35m 47s.
		F	02	47	-				
Nov.23	NE	e	17	6	0				Very slight.
		F		18	-				
Nov.27	N	iPP	09	4	35			140.4°	U.S.C.G.S.
	NE	i		5	19				
	NE	i		10	24				E e.
	NE	i		15	30				
	NE	eSS		23	0				
	E	e		35	20				
	N	e		40	40				
	NE	eL		50	40				
	E	M	10	6	56	19	8		
	N	M		7	29	16	9		
		F	11	0	-				
Dec.17	N	iPKP	07	13	4				
	NE	PP		14	25			118.8°	E e
	N	i		19	27			13,200 Km.	T_o = 06h 54m 11s G.M.T.
	N	iSKKS		21	11				
	NE	iPS		24	14				
	NE	iPPS		25	52				
	N	i		27	20				
	E	i		27	41				
	NE	iSS		31	23				
	NE	iSSS		35	44				
	E	i		39	0				
	N	i		40	4				
	E	L		44	18				
	NE	L		52	18				
	E	M	08	0	21	22	380		
	N	M		0	45	21	270		
		F	10	7	-				
Dec.17	N	iPP	15	28	25			121°	T_o = 15h 8m 9s G.M.T.
	N	iSKP		30	7			13,450 Km.	
	N	iSKS		34	32				
	NE	iPPS		39	23				
	NE	iSS		45	0				E 45m 8s.
	NE	iSSS		49	40				N 49m 44s.
	NE	i		58	52				
	N	L	16	5	44				
	E	L		6	22				
	N	M		10	21	29	388		

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.
Dec.17 (Cont).	E	M		15	51	24	204		
		F	18	5	-				
Dec.22.	N	S	09	52	49			71°	
	E	i		53	56			7890Km	
	E	SS		57	42				
	N	e	10	3	19				
	N	M		5	40	20	11		
	E	eL		7	29	.			
	E	M		11	54	23	25		
		F		25	-				
Dec.25/26	N	e	23	58	3				Very slight on E-W Compt.
	E	i	00	4	3				
	N	eL		7	8				
	E	e		10	26				
	N	M		14	8	18	9		
		F		37	-				
Dec.26	N	i	06	49	24				Obscured by microseisms.
	N	i		53	28				
	N	i		58	12				
	N	e	07	4	21				
	E	e		7	9				
	N	e		17	28				
	N	eL		25	0				
	N	M		40	29	19	25		
	E	M		52	4	20	16		
		F	08	55	-				
	Observations on 28d at 00h and on 29d at 03h doubtful through failure of time breaks.								
Dec.29.	E	i	18	14	4				
	E	i		16	16				
	E	e		22	0				
	E	M		39	16	17	4		
		F		55	-				

Natural Philosophy Department,
Marischal College,
Aberdeen.