From E.F.Baxter, 1, Fieldhouse Terrace, Durham.

DURHAM UNIVERSITY OBSERVATORY, READINGS FROM SEISMOGRAMS 1947

January 1st to June 30th

Readings from two Milne-Shaw (horizontal) seismograms recording North and East components respectively. T=12 secs., damping ratio 20: 1, magnification 250.

Position :- latitude 54°46' N, Longitude 01°35' W, height above M.S.L. 108 metres.

On many occasions and for a variety of causes either or both the records have been unserviceable.

Date. 1947	Phase and component	Time G.M.T.	Period secs.	Amplitude microns	Distance degrees.	Time of origin T$_o$.
Jan 3	iN	02.58.07				
	iE	02.58.40				
	iN	03.06.08				
	iE	03.12.17				
	iN	03.12.43				
	iE	03.13.48				
Jan.24	iE	17.32.23				
	iN	17.33.14				
	cE	17.34.00				
	iN	17.34.33				
	iE	17.38.10				
	iN	17.39.43				
	iE	17.40.13				
	iNE	17.43.31				
Jan.25	iN	04.28.33				
	iNE	04.30.25				
Jan.26	iPE	10.18.27				
	?ipPE	10.19.13				
	iPPE	10.21.22				
	iSE	10.28.01			74°7	10.06.49
	ME	10.54.	16	14		
Jan.29	iPE	08.30.22				
	cE	08.33.35				
	cE	08.33.45				
	iE	08.34.21				
	iN	08.40.03				
	iNE	08.40.06				
	iNE	08.44.02				
Feb. 7	ME	09.00.	20	7		
Feb.10	MN	04.42.	16	34		
Feb.12	iE	20.54.43				
	ME	21.04.	15	2		
Feb.18	iNE	13.52.12				
	iE	13.54.20				
	iN	13.54.30				
	iE	13.58.02				

International Seismological Centre From the ISC collection scanned by SISMOS

Date. 1947	Phase and component	Time G.M.T.	Period secs.	Amplitude microns	Distance degrees.	Time of origin G
Feb.21	iN	22.45.59				
	iE	22.46.46				
	ME	22.58.	12	6		
Feb.24	eN	17.48.17				
	iE	17.54.49				
	iNE	17.55.18				
	iE	17.56.26				
	MN	18.20.	21	16		
	ME	18.25.	18	12		
Mar. 2	iE	19.29.37				
	iN	19.49.57				
	MNE	20.16.	22	14		
Mar.10	iNE	02.09.55				
	iNE	02.12.15				
	iE	02.19.06				
Mar.17	iPE	08.37.40				
	iPPN	08.39.58				
	iSE	08.45.43			58.°5	08.27.47
	iN	08.47.27				
	MNE	08.59.	21	238N 338E		
Mar.25	iE	21.11.22				
	iE	21.30.48				
	ME	22.18.	20	32		
Mar.29	MN	08.00	7	7		
Apr. 2	eNE	06.00.02				
	iE	06.08.55				
	iNE	06.09.05				
	iNE	06.19.02				
	MN	06.47.	20	56		
	ME	06.50.	20	53		
Apr. 2	eNE	21.08.10				
	iNE	21.08.41				
	MNE	21.43.	14	15N 17E		
Apr. 4	iNE	01.56.41				
Apr.10	iNE	16.02.26				
	iNE	16.11.19				
	iNE	16.16.23				
	iNE	16.28.01				
	MN	16.36	16	10		
	ME	16.43.30	14	19		
Apr.11	NE	01.03.19				
Apr.11	iNE	14.53.07				
	iNE	14.53.30				
	MN	15.23.	20	14		
	ME	15.28.30	15	18		
Apr.12	eE	14.06.22				
	iNE	14.14.38				
	MNE	14.19.	11	7N 11E		

International Seismological Centre From the ISC collection scanned by SISMOS

Date. 1947	Phase and component	Time G.M.T.	Period Secs.	Amplitude microns	Distance degrees.	Time of origin T_o.
Apr.14	iNE	07.37.33				
	iNE	07.37.41				
	MNE	08.08.	21	81N 61E		
Apr.19	NE	20.42.27				
	iNE	20.42.47				
	ME	20.44	16	14		
Apr.24	iE	19.41.58				
	iNE	19.44.51				
	iE	19.52.28				
	iE	19.52.34				
	iNE	19.59.35				
	MN	20.01.	11	15		
	ME	20.03.30	12	30		
May 6	iNE	20.51.41				
	iNE	20.52.55				
	iNE	20.53.01				
	iE	21.09.03				
	iNE	21.09.11				
	LE	21.34.51				
	MN	21.41.	21	56		
	ME	21.47.	19	62		
May 11	iPE	06.37.12				
	E	06.40.35				
	E	06.40.46				
	iSE	06.40.52			19°.7	06.32.44
May 17	iN	07.31.43				
	iN	07.41.08				
	iN	07.41.28				
	iN	07.42.08				
	iN	07.45.42				
	iN	07.58.58				
	LN	08.36.33				
	M_1N	08.38.30	21	32		
	M_2N	09.01.	16	16		
May 27	iPN	06.19.10				
	?PPN	06.22.20				
	?PPPN	06.24.43				
	iN	06.27.52				
	iN	06.28.04				
	SN	06.30.12			91°.5	06.06.05
	?PSN	06.33.47				
	MN	07.01.	22	104		
June 4	iPN	00.34.52				
	iSN	00.38.57			22°.5	00.29.56
	iN	00.42.20				
	MN	00.46.	10	12		
June 7	iN	19.11.20				
	iN	19.20.38				
	MN	19.44.	20	33		
June 10	eN	11.49.13				
	eN	11.59.23				
	MN	12.09.	18	6		
June 10	eN	19.31.33				
	eN	19.50.34				
	MN	19.56.	10	4		

International Seismological Centre From the ISC collection scanned by SISMOS

Date. 1947	Phase and component	Time G.M.T.	Period secs.	Amplitude microns	Distance degrees.	Time of origin T,
June 12	eN	09.21.28				
	iN	09.22.11				
	iN	09.26.58				
	iN	09.27.42				
	iN	09.29.08				
	MN	10.08.	22	20		
June 13	eN	20.42.33				
	iN	20.42.41				
	eN	20.49.07				
	iN	20.49.13				
	iN	20.50.04				
	iN	20.51.40				
	MN	21.30.	18	18		
June 14	iN	00.10.05				
	iN	00.14.36				
	iN	00.17.03				
	MN	00.55.	18	11		
June 19	eN	07.52.31				
	iN	07.59.17				
	iN	07.59.53				
	iN	08.01.23				
	iN	08.06.37				
	MN	08.39.30	12	9		
June 20	eN	23.19.18				
	MN	23.24.30	9	4		
June 30	MN	09.46.30				

International Seismological Centre From the ISC collection scanned by SISMOS

DURHAM UNIVERSITY OBSERVATORY, READINGS FROM SEISMOGRAMS, 1947.

JULY 1st to DECEMBER 31st.

Readings from two Milne-Shaw (horizontal) seismographs recording North and East components respectively. T = 12 secs., damping ratio 20:1, magnification 250.

Position:- latitude 54°46' N, longitude 01°35' W, height above M.S.L. 103 metres.

On many occasions and for a variety of causes either or both the records have been unserviceable.

Date 1947	Phase and component	Time G.M.T.	Period, secs.	Amplitude, microns.	Distance, degrees.	Time of origin, T_o
July 3	NE	09.47.36				
	NE	09.54.27				
	NE	09.57.38				
July 3	E	14.31.40				
	N	14.32.00				
	E	14.32.47				
	NE	14.34.45				
July 7	SN	22.44.55				
	N	22.52.54				
July 10	iN	10.36.25				
	iN	10.48.41				
July 12	iN	02.20.39				
	iE	02.31.46				
	MNE	02.49.	20	1		
July 23	eE	17.40.31				
	ME	18.19.	17	4		
July 24	eE	12.36.41				
	MN	13.30.	20	4		
July 29	iE	13.54.32				
	iN	13.54.35				
	iPNE	13.54.43				
	iSN	14.03.43			68.5	13.43.41
	iNE	14.04.37				
	iE	14.05.00				
	iE	14.05.53				
	iNE	14.06.18				
	iN	14.13.03				
	ME	14.28	17	74		
	MN	14.31	16	160		
Aug. 4	eE	18.08.02				
	MNE	18.35	21	3		
Aug. 5	iPE	14.33.48				
	eN	14.33.55				
	iE	14.34.04				
	iP_cPNE	14.34.26				
	iE	14.35.56				
	iPPNE	14.36.00				
	iP_cSNE	14.38.31				
	iSNE	14.41.30			55.0	14.24.19
	iSSE	14.45.48				
	L(R)N	14.49.39				
	MNE	15.04	20	N 111 E 244		

International Seismological Centre From the ISC collection scanned by SISMOS

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Date 1947	Phase and component	Time G.M.T.	Period, secs.	Amplitude, microns.	Distance, degrees.	Time of origin, T_o
Aug. 6	eSSE	09.54.38				
	eN	09.54.46				
	MNE	09.59	16	10		
Aug. 6	MN	10.29	13	2		
	ME	10.32	10	2		
Aug. 7	ePE	00.51.04				
	iE	00.51.09				
	iSNE	00.59.43			65.0	00.40.26
	iPSE	01.00.03				
	iPPSNE	01.00.28				
	iS_cSE	01.01.00				
	iN	01.01.06				
	ME	01.18.	18	15		
Aug. 7	eNE	12.34.33				
	eN	12.35.21				
	eE	12.35.29				
	eE	12.37.34				
	iN	12.38.23				
	iE	12.38.39				
	ME	12.41	16	6		
	MN	12.42	15.	7		
Aug. 9	SNE	03.06.21				
	?iLN	03.15.49				
	LN	03.18	12	7		
Aug.14	ME	03.03.	30	12		
Aug.14	MN	04.35	11	5		
	LE	04.36	11	6		
Aug.24	iPN&ePE	11.54.04				
	iN	11.56.22				
	eSE	11.58.31			25.2	11.48.43
	LNE	12.06.	9	N 10 E 9		
Aug.27	eE	13.57.28				
	iE	14.02.37				
	iE	14.02.47				
	iE	14.13.15				
	iE	14.22.58				
	ME	15.17.	20	16		
Aug.28	MNE	07.40	N 24 E 14	N 23 E 6		
Aug.28	iSNE	14.50.09				
	iE	14.50.29				
	iN	14.50.37				
	iNE	14.51.04				
	iE	14.59.09				
	iE	15.01.14				
	LNE	15.20.	15	N 7 E 5		
Aug.28	PNE	20.12.39				
	SNE	20.24.28			103.7	19.58.39
	ME	20.48.	19	3		
Aug.30	iPNE	22.27.08				
	iNE	22.31.34				
	iSNE	22.31.39			25.7	22.21.43
	iNE	22.31.43				
	[illegible]	[illegible]	11	32		
			10	21		

International Seismological Centre From the ISC collection scanned by SISMOS

Contd.

Date 1947	Phase and component	Time G.M.T.	Period. secs.	Amplitude. microns.	Distance. degrees.	Time of origin, T_o
Sep. 2	eNE	15.00.22				
	iN	15.01.39				
	iN	15.07.08				
	iNE	15.13.35				
	iNE	15.15.18				
Sep. 3	E	19.18.08				
	N	19.18.23				
	NE	19.19.08				
	NE	19.19.23				
	ME	20.16	22	6		
	MN	20.18.	19	5		
Sep. 4	eN	00.53.26				
	MN	01.49	20	2		
Sep.10	MN	00.30.	20	7		
Sep.13	MN	20.27.	24	8		
Sep.23	eN	12.36.16				
	N	12.37.06				
	iPN	12.38.16				
	iP_cPN	12.38.36				
	P_cSN	12.43.28				
	N	12.44.39				
	SN	12.46.48			63.5	12.27.47
	PSN	12.46.54				
	MNE	13.03.	14	N 62 E 66		
Sep.26	MN	00.39	20	22		
Sep.26	iPN	16.14.38				
	iPPNE	16.18.18				
	iPPPNE	16.19.02				
	iSNE	16.24.50			81.5	16.02.21
	iPSNE	16.25.12				
	iPKKPN	16.31.40				
	ME	16.50	30	105		
Sep.27	MN	00.20.	33	16		
Oct. 3	iPE	06.22.52				
	ipPE	06.23.10				
	iPPE	06.24.32				
	iPPPE	06.25.02				
	iSN	06.29.08			42.5	06.15.03
	isSN	06.29.26			(h= .007R)	
	iSSN	06.31.41				
	iNE	06.43.09				
	MN	06.45.	14	7		
	ME	06.53.	20	17		
Oct.3-4	iPE	23.44.18				
	PPE	23.47.12				
	iSNE	23.54.23			80.3	23.32.07
	iNE	23.54.31				
	SSNE	23.59.15				
	iE	00.00.22				
	MN	00.08.	14	7		
	ME	00.13.	36	31		
Oct. 5	eNE	19.01.27				
	eNE	19.06.53				
	MNE	19.45.	20	N 23 E 21		

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International Seismological Centre From the ISC collection scanned by SISMOS

Date 1947	Phase and component	Time G.M.T.	Period, secs.	Amplitude, microns.	Distance, degrees.	Time of origin, T_o
Oct. 6	ME	15.55.	10	2		
Oct. 6	iPNE	20.00.47				
	iNE	20.00.57				
	iPPNE	20.01.16				
	iP_cPN	20.05.01				
	iSN	20.05.16			25.5	19.55.23
	iN	20.05.52				
	iSSN	20.06.01				
	MNE	20.11.	20	N 320 E 355		
Oct. 9	MN	08.24.	16	11		
Oct. 9	MN	15.47.	20	10		
Oct.16	iPNE	02.19.45				
	ipPNE	02.19.54				
	iPPN	02.22.04				
	iPPPN	02 23.32				
	iSNE	02.27.53			60.0	02.09.39
	isSN	02.28.19				
	iSSNE	02.31.47				
	MN	02.44.	19	144		
Oct.20	MN	02.18.	19	30		
Oct.27	ME	10.42	11	3		
	MN	10.44.	11	3		
Nov. 1	iPNE	15.11.55				
	iN	15.12.16				
	iE	15.17.16				
	iSKSE	15.22.21				
	iNE	15.22.32				
	iSNE	15.22.41			88.0	14.59.07
	iSSE	15.28.39				
	ME	15.48.	17	54		
	MN	15.52	20	94		
Nov. 4	iN	00.30.55				
	MNE	00.53.	20	N 67 E 92		
Nov. 9	iPKPN	05.17.37				
	iN	05.18.02				
	iN	05.18.56				
	iN	05.24.47				
	iN	05.31.29				
Nov.10	MNE	04.09.	11	5		
Nov.21	MN	04.46.				
Nov.22	MN	10.57.				
Nov.23	MNE	10.25.	12	11		
Nov.29	iNE	10.23.25				
	MNE	10.28.				
Dec.19	eE	04.58.07				
	eE	05.02.18				
	iN	05.06.09				
	iN	05.07.04				
	iN	05.07.16				
	MN	05.13.	11	3		

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