

RATHFARNHAM CASTLE.

BULLETIN OF SEISMOLOGICAL OBSERVATORY, RATHFARNHAM CASTLE



DUBLIN, IRELAND.

JANUARY-MARCH 1936.

Lat. 53 17' 55" N. Long. 6 16' 57" W. Altitude 52m.

Foundation: Boulder clay resting on limestone.

Instruments:

1. Milne-Shaw Seismometer. (E.W.)

 Period. Damping Ratio. Magnification.
 12s. 20:1. 260.

2. O'Leary Seismometer. (1700kgs. NS.,EW.)

 Date. Phase. G. M. T. Per. Dist. Remarks.

January h. m. s. sec. km.
 14 L 06 30 35 Heavy wind-movements
 M 34 09 masked early phases.
 M 39 14

20 i(P) 08 14 17
 i 31
 e 34
 i(S) 17 30 (1845)
 i 18 11
 L 32
 M 21

20 iP 17 21 43
 i 23 20
 ePP 24 34
 i 48
 e 25 09
 iPPP 47
 e 27 14
 e 28 19
 i 30 29
 iS 59 7810
 i 33 00
 SS 36 05
 i 37 09
 i 40 46

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DUBLIN, IRELAND.

JANUARY-MARCH 1936.



 Date. Phase. G. M. T. Per. Dist. Remarks.

Jan.

20 L 17 47 27
 (cont.) M 55 39
 M 59 38

FEBRUARY.

7 iP 09 17 21
 e 24 26 5920.
 iS 57
 M 37 30

15 Earthquake recorded 13h. Minute-marks failed.

e 13 03 45
 e 08 20
 e 19 30
 M 59 30

.22 eP 03 51 35 5490.
 e 55 20
 eS 58 47

22 e 05 15 20
 e 19 50
 e 21 35
 L 06 04
 M 14
 M 15

MARCH.

1. iP 04 31 02
 i 16 $\frac{1}{2}$
 i 52
 e 33 06
 e 35 12
 iS 41 388 9555
 i 45 14
 i 47 05
 i 51 10
 M 05 06 15

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DUBLIN, IRELAND.

JANUARY - MARCH 1936.

Date. Phase. G. M. T. Per. Dist. Remarks.

March.

1. i 11 31 37
 e 36 17
 e 37 17
 L 43 05
 M 45
 M 48 30

4. e 12 03 13
 e 08 36
 i 10 06
 i 15 23
 i 21 18
 26 41
 e 30 36
 i 35 56
 e 37 16
 i 39 17

.....Traces badly crossed.

10 iP 20 58 52
 iS 21 07 24
 M 23
 6900

25 eP 08 45 18
 iS 48 56
 M 49 45
 M 50 18 12 2155

25 iP 09 02 23
 iS 05 36
 M 07 25 15 1890

25 e(P) 11 35 35
 e(S) 39 13
 M 41 2155

16th. April 1936.

J. J. McAsey, S. J.

Director.

RATHFARNHAM CASTLE.

BULLETIN OF SEISMOLOGICAL OBSERVATORY RATHFARNHAM CASTLE.



RATHFARNHAM, DUBLIN, IRISH FREE STATE.

APRIL-JUNE 1936.

Lat. 53 17' 55" Long. 6 16' 57" W. Altitude 52m.

Foundation: Boulder clay resting on limestone.

Instruments:

1. Milne-Shaw Seismometer, (E.W.)

Period.	Damping Ratio	Magnification.
12s.	20:1.	260.

2. O'Leary Seismometer. (1700kgs. NS.,EW.)

Date.	Phase.	G.	M.	S.	Per.	Dist.	Remarks.
April		h.	m.	s.	sec.	kms.	
1	eP	02	23	51			
	i		28	37			
	i		34	23			
	iS		36	09		12255	
	iP3		37	43			
	i		44	12			
	i		48	55			
	L		57				
	M	03	12	27			
2	e	08	25	44			
	e		59	49			
	i		34	29			
	i		39	22			
	iS		41	28			
	L		51	32			
	L		56	29			
	M	09	13	15			
12	i	21	07	43			
	e		11	20			
	e		21	27			
	e		27	01			
	i		27	18			
	i		28	01			

BULLETIN OF SEISMOLOGICAL OBSERVATORY RATHFARNHAM CASTLE.

APRIL-JUNE 1936.



Date	Phase	G.	M.	T.	Per.	Dist.	Remarks.
April							
12 (cont.)	L	21	42	10			
	L		45	20			
	M		48	37	55		
	M	22	02	45	17		
	M		05	30	17		

19	Quake from about 05 20 time-marks failed.						

19	e	09	15	42			
	e		20	02			
	e		23	08			
	iS		27	25		10890	
	i		33	08			
	M		56	50			
	M	10	00	00			

27	e	0	20	51			Microseisms mask
	L		38	09			early phases.
	M		43	40			

May							
16	e	07	22	48			
	e		31	22			
	e		40	52			
	e		43	20			
	e		44	23			
	M		49	30	22		
	M		50	10	20		

20	e	03	28	15			
	eS		35	12			
	e		48	00			
	e		51	08			
	L	04	10	58			
	M		20	10	22		
	M		26	10	18		

27	eP	06	30	07			
	ePP		32	38			
	ePPP		34	04		7410	
	iS		39	05			
	ePS		39	35			
	e		40	12			
	eSSS		47	22			
	L		52	30			
	M	07	03	30			

APRIL JUNE 1936.



Date	Phase	G.	H.	T.	Per.	Dist.	Remarks.

May							Traces badly crossed.
28	eL	13	19	48			
	eL		27				
	L		28				
	F		40	30			

28	i	19	13	07			
	i		18	57			
	L		30	40			
	L		34				

June							
3	eP	09	26	43			
	c		31	22		8010	
	oB		36	54			
	L		50				
	K		59	15			

10		03	27	00			
			30	15			
		04	06	20			

Station closed from 17 June until 8 July

R.E. Ingram, S.J.,

Director.

8th. Aug. 1936.

RATHFARNHAM CASTLE.

BULLETIN OF SEISMOLOGICAL OBSERVATORY, RATHFARNHAM CASTLE.

RATHFARNHAM, DUBLIN, IRELAND.

JULY-SEPTEMBER 1936.

Lat. 53 17'55" N. Long. 6 16' 57" W. Altitude 52m.

Foundation: Boulder clay resting on limestone.

Instruments:

1. Milne-Shaw seismometer. (E.W.)

Period	Dampin _g -Ratio	Magnification.
12s.	20:1	150

2. O'Leary seismometer. (1700 kgs.)

Date	Phase	G.M.T.	Per.	Dist.	Remarks.
July		h. m. s.	sec.	Km.	
5	PR ₁	19 13 51			
	i	14 43			
	i	18 38			
	e	19 50			
	iS	21 37			
	L	50			
13	iP	11 25 43			
	i	26 04			
	sKS	36 3			
	iS	36 49			
	SS	37 03		10290.	
		43 29			
		47 18			
	L	50			
	L	57 31	(31)		
	L	59			
M	12 03 20	(22)			
16	i	07 33 37			
	e	38 35			
	eL	45 05			
	L	48 30	(17)		
26	iP	07 50 31			
	e	54 16		10410.	
	e	59 52			
	iS	08 01 42			
	L	20			
	m	28			
28	e	05 39 05			
	e	48 50			
	L	06 22			Minute marks failed.
	e	08 13 17			
	L	55			





Date.	Phase.	G. M. T.		Per.	Dist.	Remarks.
Aug. 8	L M	04	25 30			Very faint.
13	eP i e eS L L M M	20	17 22 23 31 53 59 21 08 13	36 26 10 05	12100	
22	iP e i bKS S PS L M M L M	07	04 05 08 14 15 16 35 46 53 11 53 12 00	44 00 25 58 32 48		(19) (19)
23	ip e e i iS e e i L M M	21	25 25 27 32 35 36 37 41 50 22 02 07	19 41 07 47 59 39 07 07	9680	(28) (28)
24	L M	23	40 55			Faint
Sept. 4.	e e e iS e L M	08	22 25 28 33 34 56 09 08	20 46 19 29 00		Exact time doubtful
6	e L M M	18	59 54 19 11 19 11	30		(16) (16)
12	e e L M	18	00 2 46 51	50 10 40		(17)

BULLETIN OF SEISMOLOGICAL OBSERVATORY RATHFARNHAM CASTLE,

RATHFARNHAM, DUBLIN, IRELAND.

JULY-SEPTEMBER 1936.



Date.	Phase	G. M. T.	Per.	Dist.	Remarks.
16(Sept.)	e	09 42 10			
	e	10 10 20			
	L	44			
	M	52			
19	iP	01 15 05			
	PR ₁	18 42			
	SKS	25 41			
	iS	26 09		10220.	
	i	27 10			
	i	27 40			
	i	32 29			
	L	39			
	M	53	(31)		
	M	02 09	(17)		
21	iP	11 46 58			
	iS	51 41		2990	
	e	52 46			
	M	56			
	iP	12 32 45			
	S	37 10			
i	i	38 15		2990	
	M	51			
25	L	13 22			
	M	28			Faint.

R. E. Ingram, S. J.,

Director.

10 Oct. 1936.

RATHFARNHAM CASTLE OBSERVATORY,

RATHFARNHAM, DUBLIN, IRELAND.

SEISMOLOGICAL BULLETIN FOR Oct.-Nov.

19 36



Lat. 53° 17' 55"N. Long. 6° 16' 57"W. Height above M.S.L. 52m.

Foundation : Boulder Clay resting on limestone.

INSTRUMENTS 1. O'Leary Seismometer. (1700 Kgs., N.S., E.W.)

2. Milne Shaw Seismometer. (E.W.)

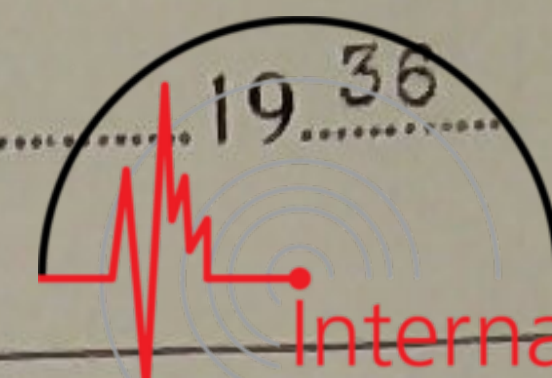
Period. Damping Ratio. Magnification.
12S. 20:1 260

DATE	PHASE	G. M. T.			PER	AMP.	DIST.	REMARKS.
		h.	m.	s.				
Oct. 3	i	00	23	47				
	e		34	57				
	L	1	07	00				
	M	1	19	00				
	L	07	04					
	M		13					
	iP	09	55	05				
	PP	10	05	45				
	i	10	09	33				
	I		12	26				
	L		12	57				
M		37						
			47					
13	i	07	25	20				
	L		30	00				
	F		50					
18	iP	03	13	43				
	i		13	59				
	i		14	39				
	i		15	03		1650	Felt in Northern Italy	
	i		15	07				
	iS		15	33				
	i		17	09				
	L		17	41				
	M		19	47	5			
19	L	13	03				Strong Wind Movements,	
	M		18					
	M		18	30				
22	i	23	58	09				
	iS		57	12				
	M	00	0	09				
23	i	00	06	54				
	iS		07	58				
	M		10	40				

Rathfarnham Castle Observatory, Dublin, Ireland.

SEISMOLOGICAL BULLETIN

OCT-NOV.



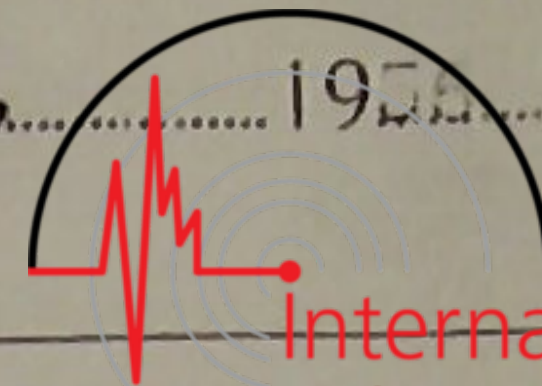
International
Seismological
Centre

DATE	PHASE	G. M. T.			PER	AMP.	DIST.	REMARKS.
		h.	m.	s.				
OCT. 23	iP	06	34	57	17		6950	
	i		36	58				
	i		39	11				
	i ^s		43	31				
	i		43	41				
			44	39				
			46	48				
			48	48				
	L		56					
	M	07	01					
	M		05					
26	iP	23	10	20	16		2145	
	i		10	42				
	i		13	57				
	L		14	40				
	M		13	30				
	M		19	00				
	M		20	30				
29	L	20	41					
	M	29	48					
30	L	19	27				Strong Wind Movements mask early Phases.	
	M	19	37					
Nov. 2	iP	15	09	59	22	26	9245	
	i	19	19	23				
			19	55				
	i ^s		20	20				
			24	02				
			28	23				
	e		38	10				
	L		39	30				
	M		51					
	iP	20	58	34				
	i		58	46				
	PP	21	01	47				
	i ^s		08	57				
	i		14	10				
	L		21	21				
M		28	30					
M		31	30					
M		40						
13	iP	12	41	43	15	100	7970	
	i		44	05				
	PP		45	17				
	i		46	20				
	i ^s		51	59				
	i		52	42				
	i ^s		56	44				
	L		59	50				
	M	13	04					
L		04	40					
18	L	16	07					
	M	16	08					

Rathfarnham Castle Observatory, Dublin, Ireland.

SEISMOLOGICAL BULLETIN

OCT. - NOV. 1955



International
Seismological
Centre

DATE	PHASE	G. M. T.			PER	AMP.	DIST.	REMARKS
		h.	m.	s.				
Nov. 19	iP	21	21	58				
	i		22	58				
	i		31	37				
	i		31	44			8310	
	i		35	13				
	SS		37	02				
			41	02				
	L M		47	56	18	72		
		56	30					
22	e	18	48	33				
	g		49	20				
	i		50	21				
	M	19	00		18	16		
26	i	02	19	51				
	i		22	02				
	L		41					
	M		47					

R. E. Ingram, S.J.,
Director.

19 DEC. 1955

RATHFARNHAM CASTLE OBSERVATORY,

RATHFARNHAM, DUBLIN, IRELAND.



SEISMOLOGICAL BULLETIN FOR

DEC.

19 36

Lat. 53° 17' 55"N. Long. 6° 16' 57"W. Height above M.S.L. 52m.

Foundation : Boulder Clay resting on limestone.

INSTRUMENTS 1. O'Leary Seismometer. (1700 Kgs., N.S., E.W.)

2. Milne Shaw Seismometer. (E.W.)

Period. Damping Ratio. Magnification.
12S. 20:1 260

DATE	PHASE	G. M. T.			PER s.	AMP.	DIST. Km.	REMARKS.
		h.	m.	s.				
8	e i L	04 05	59 08 19	50 02				
20	L M F	03	25 37 58					
21	e L M	19	30 34 44	16			Strong Microseisms mask early phases.	
25	e L M	20	40 45 52	09	17			
26 & 27	i e e e e L M	23	11 17 23 27 38 00 15	15 01 12 08 02				
29	i e i e e L M M	15	06 11 19 26 37 41 50 52	43 19 00 15 16	26 25	28 28	Clock correction doubtful	

R.E. Ingram S.J.

Director,

10 th. Jan. 1937