

FORDHAM UNIVERSITY, NEW YORK CITY

Monthly Seismological Report

Latitude, 40° 51' 47" N. Longitude, 73° 53' 08" W. Elevation above sea, 26 meters.

Time: Mean Greenwich, midnight to midnight.

Instruments: { Milne-Shaw, Photographic.
 { Wiechert horizontal, 80 kg. Foundation: { Milne-Shaw pier, Stockbridge Dolomite.
 { Wiechert pier, Fordham Gneiss.

INSTRUMENTAL CONSTANTS

INSTRUMENT	PERIOD T ₀	MAGNIFICATION V	DAMPING RATIO ε	SENSITIVITY 1" ARC TILT	PAPER SPEED
Milne-Shaw				=	8 mm. per min.
N - S					
E - W	10	250	20:1	38	8 mm. per min.
Wiechert					
N - S	10	250	20:1	19	13 mm. per min.
E - W	6	80			13 mm. per min.

From January 1, 1927 to January 23, 1927 No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E μ	A _N μ		
2701	Jan. 1	Early phases obscured in micros.						Reported from Galapagos Islands.
		eN	03 28 37					
		eN	32 15					
		eN	33 30					
		eW	34 15					
		iN	34 40					
		i1N	35 20	13		25		
		M1E	35 20	12	7			
		M2N	36 40	8		7		
2702	Jan. 1	e	09 30 13					
		i	31 20					
		i1N	32 03	11		15		
		i1E	32 15	8	4			
		M1E	33 30	7		7		
		M2E	34 25	8	7			
2703	Jan. 19	M ₁ N	00 10 16	9		3		
		M ₁ N	00 13 51	9		3		
		eL ₁	01 36 31					
		M ₁ E	37 48	9		6		
		M ₁ N	01 56 11	8		1		
		eL ₁	02 42 29					
		M ₁ N	45 22	9		6		
	Jan 23	L wavvs continuing from 09 03 00 till 13 40 00						

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From Jan. 24 to Jan. 31 1927 No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E μ	A _N μ		
704	Jan. 24	O	01 06 00				13500	
		e	25 28					
		eH	28 05					
		eE	30 10					
		eI	32 40					
		e	39 10					
		eS _r l?	43 15					
		eL _l	57 00	60				
		M1N	02 07 40	18		23		
		M1E	08 40	18	50			
		M2N	10 00	16		32		
		M2E	15 40	18	53			
		M3N	17 50	16		30		
		M3E	19 10	16	60			
M4N	19 40	16		20				
705	Jan. 25	e _E	23 48 48					
		e _E	52 10					
		M1E	00 22 50	15	9			
		M2E	30 40	17	14			

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INSTRUMENTAL CONSTANTS

INSTRUMENT	PERIOD T ₀	MAGNIFICATION V	DAMPING RATIO ε	SENSITIVITY 1" ARC TILT	PAPER SPEED
Milne-Shaw				=	8 mm. per min.
N - S					8 mm. per min.
E - W	10	250	20:1	38	8 mm. per min.
Wiechert					13 mm. per min.
N - S	10	250	20:1	19	13 mm. per min.
E - W	6	80			13 mm. per min.

From..... to..... No.....

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE μ		DISTANCE km.	REMARKS
					A _E	A _N		
2705	Feb. 1	i	18 17 17					
		iE	17 44					
		eL	18 40					
		eN	20 27					
		eN	23 12					
		eE	23 52					
		eE	26 12					
		eE	28 00					
		iE	29 42					
		eN	29 52					
		eN	34 00					
		eN	35 07					
		eN	41 12					
		eE	43 12					
eE	43 12			30	20:1	38		
2707	Feb. 3	eL	04 45 17	30	25			
		eL	49 20	23	15			
		eL	50 25	13	10			
		eL	58 00	15	7			
		eL	05 47 00	23	13			
705	Feb. 1	i	18 17 17					
		iE	17 44					
		eL	18 40					
		eN	20 27					
		eN	23 12					
		eE	23 52					
		eE	26 12					
		eE	28 00					
		iE	29 42					
		eN	29 52					
		eN	34 00					
		eN	35 07					
		eN	41 12					
		eE	43 12					
eE	43 12			30	20:1	38		

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Monthly Seismological Report

From February 4 1927 to February 16 1927 No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E	A _N		
					μ	μ		
2708	Feb. 4	i ₁ eL ₁ eL ₁ eL ₁ e ₁	03 27 05 50 00 56 30 04 07 00 34 30					
2709	Feb. 11	eL eL	01 56 45 58 00					
2710	Feb. 12	e eL eL eL F	07 18 10 25 45 31 30 35 00 08 03 00	60				
	Feb. 14	L waves continuing until after 13 00 00 beginning at 03 20 00.						
2711	Feb 16	O eP iS iPS PPC SR ₁ N SR ₁ E SR ₂ N SR ₃ E i ₁ i ₁ i ₁ eL M ₁ M ₁ M ₂ M ₂ M ₃ M ₄ F ₄	01 35 22 47 51 53 14 53 56 59 34 02 03 07 04 19 07 40 09 50 10 57 12 21 13 15 14 19 20 14 21 24 26 13 26 19 29 14 34 30 05 50 00				Kurile Islands (Science Service)	
				15 12 18 17 15 14	12 42 43 40	15 45		
2712	Feb. 16	eL _e eL ₁ eL ₁ eL ₁	00 32 09 12 14 50 25 30 40 00					

FORDHAM UNIVERSITY, NEW YORK CITY

Monthly Seismological Report

From February 16 1927 to February 23 1927. No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E μ	A _N μ		
	Feb. 16	eL	14 55 00					
2713	Feb. 24	e _{EW}	04 04 28					
		e _{EW}	06 43					
		e _{EW}	10 34					
		e _{EW}	11 35					
		e _{EW}	16 23					
		e	20 20					
		e	23 50					
		e _{EW}	25 00					
		e _{EW}	26 40					
		eL _{EW}	30 48					
				13		12		
				13	12			
		L waves (T-23s; A-10μ) continuous on EW throughout the day						
2714	Feb. 25	e _{EW}	15 20 10					
		e	39 00					
		eL _{EW}	42 40					
2715	Feb. 26	e _{EW}	02 37 30					
		eL	43 50					
		eL _{EW}	03 09 45					
2716	Feb. 26	e _{EW}	03 47 00					
		e _{EW}	53 00					
2717	Feb. 23	eP	14 19 22					7167
		i _{EW}	20 04					
		P _{EW}	20 23					
		Sr ₁ _{EW}	32 17					
		Sr ₂ _{EW}	35 40					
		eL ₁ _{EW}	41 35					
		eL ₂ _{EW}	46 40	23	18			
		L waves continuing until 16 41 00.						

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 { Wiechert horizontal, 80 kg.

Foundation: { Milne-Shaw pier, Stockbridge Dolomite.
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INSTRUMENTAL CONSTANTS

INSTRUMENT	PERIOD T ₀	MAGNIFICATION V	DAMPING RATIO ε	SENSITIVITY 1" ARC TILT	PAPER SPEED
Milne-Shaw					
N - S	10	250	33	=	8 mm. per min.
E - W	10	250	10		8 mm. per min.
Wiechert					
N - S	3	30			13 mm. per min.
E - W	3	30			13 mm. per min.

From March 1 1927 to March 7 1927 No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E	A _N		
2718	Mar. 1	eN	03 12 36		μ	μ		
		eE	16 30					
		eE	20 15					
		eLE	21 17					
		eL	22 32	10	4			
		eL	24 30	14	2			
2719	Mar. 1	eL	23 02 00	to				
			24 01 00					
2720	Mar. 2	eL	01 14 00	Continuous all day.				
2720	Mar. 7	O	09 27 55				11000	
		ePN	41 17					
		ePr1	45 33					
		iE	49 00					
		iN	49 24					
		Pr3E	50 17					
		iN	51 49					
		iSE	52 57					
		iSN	53 04					
		iE	53 37					
		PSN	54 24					
		iE	54 54					
		iE	55 37					
		iN	55 39					
		iE	57 50					
		iN	57 54					
		iE	10 02 10					
		iE	06 54					
		Sr3	07 40					
		eL	09 57					
		M1E	20 40	19	89			
M1N	23 40	26		220				
M2E	24 25	15	88					

FORDHAM UNIVERSITY, NEW YORK CITY

Monthly Seismological Report

March 7 1927

March 31 1927.

From..... to..... No.....

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E	A _N		
2720 Cont.	Mar. 7	M ₂ N	10 28 00	19		198		
		M ₃ E	28 32	15	102			
		M ₄ E	31 21	15		81		
		M ₃ N	32 28	19		158		
		M ₄ N	34 53	15		64		
		F	13 +					
2721	Mar. 9	eN	16 25 37					
		e	25 43					
		Sr ₁ N	28 10					
		Sr ₂ N	29 30					
		L ₁ E	30 35					
		M ₁ E	32 05	22	30			
		M ₂ E	35 20	17	17			
		F	17 33 00					
2722	Mar. 21	i	15 23 04					
		i	29 09					
		iL ₁ E	16 13 25					
		M ₁ E	19 40	21	12			
		M ₂ E	22 30	18	13			
		M ₃ E	35 15	15	4			
M ₄ E	39 50	15	4					
2723	Mar. 22	i	01 18 58					
		eL ₁ E	36 00					
		M ₁ E	41 30					
		M ₂ E	44 00					
	Mar. 22	L ₁ E	08 46 50					
		L ₂ E	53 00					
2724	Mar. 23	eL	08 13 20					
		eL ₁ N	16 05	12		7		

double

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Milne-Shaw					
N - S	10	250	20:1	= 38	8 mm. per min.
E - W	10	250	20:1	19	8 mm. per min.
Wiechert					
N - S	6	50			13 mm. per min.
E - W	6	30			13 mm. per min.

From April 1 1927 to April 30 1927 No. _____

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS		
					A _E μ	A _N μ				
2725	April 1	eW	19 24 52							
		iS	30 10							
		iS	31 22							
		iS	32 12							
		eW	34 04			10				
		iS	36 37							
		eW	40 17							
		L waves obscured by tilt								
				iS	20 05 32	17	4			
				M2S	09 20	15	2			
		F	50 00							
Apr. 5 Regular long waves beginning at 06 hours, continuous all day. T - 30 sec. A - 130										
2726	Apr. 14	P	06 23 46							
		iP	35 00							
		iPcP	35 50							
		Pr1	38 00							
		iS	44 20							
		i	45 15							
		iSr1	49 05							
		iSr2	51 53							
		iSr3	53 55							
		eL	58 15	15		22				
F	09 36 00									
2727	Apr. 16	P	08 26 02							
		eS	34 50							
		iS	35 20							
		eL	44 10							
		M1N	52 15	18		33				
		M2N	58 58	15		28				

FORDHAM UNIVERSITY, NEW YORK CITY

Monthly Seismological Report

From May 18 1927

to June 15 1927.

No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E	A _N		
						μ	μ	
2732	May 22							Regret that excessive tilt renders an interpretation of this important record impossible.
2733	May 24 May 25	L	22 00 00 17 00 00	to				
2734	May 31	L	13 20 00					
2735	June 1	i	12 22 08	duration 25	sec.			Local: felt along New Jersey coast.
2736	June 3	O eP? iPr ₁ i Pr ₃ i PS PPS Br ₁ Sr ₃ eL M ₁ E M ₂ E F	07 17 00? 31 22 35 07 35 52 41 21 45 00 46 52 48 00 53 37 21 02 22 6 3 10 57 0 8 20 39 0 8 27 52 10 01 20					15500
				30				
				30		150		
				17		40		

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INSTRUMENTAL CONSTANTS

INSTRUMENT	PERIOD T_0	MAGNIFICATION V	DAMPING RATIO ϵ	SENSITIVITY 1" ARC TILT	PAPER SPEED
Milne-Shaw					
N - S	10	250	20:1	= 38	8 mm. per min.
E - W	10	150	20:1	19	8 mm. per min.
Wiechert					
N - S	6	30	undamped		13 mm. per min.
E - W	inoperative				13 mm. per min.

From June 15 1927 July 16 1927 No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A_E	A_N		
2737	June 20	eL _N	15 12 00		μ	μ 1-		
2738	June 26	eL _E	11 41 56			1-		
		eLe	12 00 00			1-		
		eL _E	04 00			1-		
	June 27	eL	09 11 00	60		1-		
2739	July 1	eP	08 30 34					
		eS	39 32					
		iS	40 02					
		e	44 02					
		e	47 10					
2740	July 13	eL	21 30 00					
2741	July 14	eL	13 13 20					
		eL	16 20					
		eL	20 15					
		M _{1N}	21 10	13		6		
		M _{1E}	21 10	13	3			
F	34 40							
2742	July 16	i _E	13 05 00					
		i _E	07 20					
		i _E	39 25					
		i _E	39 45					
		i _E	40 00					
		i _E	41 05	an exceedingly rapid vibration of trace amp. 1.0 mm, repeating itself at about ten second intervals until 13 47 08.				

FORDHAM UNIVERSITY, NEW YORK CITY

Monthly Seismological Report

From July 18 1927 to August 5 1927. No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E μ	A _N μ		
2743	July 18	e	11 40 07					
		e	47 10					
		50	50 02					
		e	56 04					
		eL _T	12 18 04					
2744	July 22	F	13 09 00	23				
		e	04 16 20					
		eL _N	06 10 00					
2745	July 28	eP	16 26 12					
		iS _E	33 54					
		e _E	36 01					
		e _N	40 01					
		e _E	42 04					
		eL _N	43 00					
		eL _E	46 00					
		M ₁	50 07					
		F	19 12 00					
		2746	Aug. 1					
e	17 07							
e _N	23 00							
e	25 27							
eL	38 07							
M _{1E}	42 00							
M _{2E}	47 00							
2747	Aug. 1			eP	18 46 00			
		e	19 05 40					
		eL	20 40					
		M	23 00					
2748	Aug. 2	eL	00 56 00					
		eL	01 04 00					
2749	Aug. 5	eP	21 26 15	15 18	24 36			
		e	30 04					
		e	35 00					
		e	36 42					
		iS	37 17					
		i	37 45					
		e	38 34					
		e	43 13					
		e	47 30					
		e	52 00					
		eL	53 13					
		M _{1E}	53 20					
		M _{2E}	22 08 00					

FORDHAM UNIVERSITY, NEW YORK CITY

Monthly Seismological Report

From August 5 1927 to August 21 1927. No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E	A _N		
						μ	μ	
750	Aug.6	eP iS i eSr ₃ eL M ₁ eL	24 23 22 31 02 33 05 39 32 40 10 43 20 43 10					611
751	Aug.8	e e iLE iLE F	17 04 40 05 30 08 00 09 30 25 15					
752	Aug 10	i Pr i Sr(?) L M ₁	01 42 15 43 38 47 58 49 45 51 50 55 00	30 28			120	
753	Aug;10	eP eN eN eN eN e eL M ₁ N M ₂ N M ₃ N M ₄ N F	11 59 20 12 03 00 10 00 11 30 13 00 20 00 24 40 31 20 45 00 48 10 51 00 55 00 15 - -	23 23 23 19			45 55 55 33	
754	Aug.13	e e e e M ₁ N M ₂ N	19 52 00 20 03 30 17 10 18 50 31 10 33 00	18 15			20 28	
755	Aug.21	iPE iPr ₁ iPr ₂ iPr ₃ iPr ₄ eN eN eE iS i iSr ₁ iSr ₂ iSr ₃ +	00 01 30 02 38 02 58 03 23 04 23 05 36 05 42 06 30 07 18 08 23 10 00 10 35 11 30					

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Monthly Seismological Report

From August 21 1927 to August 31 1927 No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E	A _N		
					μ	μ		
2755 cont.-	August 21	iL	00 12 28					
		M ₁ E	14 28	17	86			
		M _N	14 28	18	53			
		M ₂ E	15 30	17	122			
		M ₃ E	17 00	15	95			
		F	02 30 00					

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INSTRUMENT	PERIOD T_0	MAGNIFICATION V	DAMPING RATIO ϵ	SENSITIVITY 1" ARC TILT	PAPER SPEED
Milne-Shaw					
N - S	10	250	17:1	34	8 mm. per min.
E - W	10	250	16:1	32	8 mm. per min.
Wiechert					
N - S	5	80	undamped		13 mm. per min.
E - W	3	80			13 mm. per min.

From Sept. 1 1927 to Oct. 31 1927 No.

No.	DATE	PHASE	TIME h. m. s.	PERIOD s	AMPLITUDE		DISTANCE km.	REMARKS
					A _E	A _N		
						μ		
2756	Sept. 3		19 55 09					
		i	56 49					
		S	20 01 19					
		i	01 34					
		i	03 09					
		i	04 24					
		L	06 24					
		M _N	07 04	15		33		
		M _E	08 00	15				
		M ₂	09 04	15		15		
2757	Sept. 11	Clock contacts awry: Intervals measured as accurately as possible:						
		S-P	9 23					
		2-S	5 03					
		3-S	8 03					
		4-S	8 57					
		5-S	12 45					
		M-S	17 30					
2758	Oct. 24	O	15 59 30				4878	Alaska
		iP	16 07 51				(Science Service)	
		i	08 03					
		i	09 28					
		iS	14 13					
		Sr ₁ (?)	17 03					
		Sr ₂ (?)	18 03					
		M ₂	21 00	15		525		
		Remaining vibrations too rapid to record.						
		Record removed at 16 30 00.						

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Fordham University

New York, N. Y.

Two Milne-Shaw Horizontal Pendulums: Mag. 250; T₀ 10 sec. damping 20:1

MONTHLY REPORT

NOVEMBER - DECEMBER
1927

Station No.	Date	Time	Hour	Min	Sec	Station No.	Date	Time	Hour	Min	Sec	Notes
2759	Nov. 3	eL	18	26	00	2767	Nov. 21	eP _N	23	25	29	
		F	19	05	00			iS _N		36	03	
2760	4	iP _E	13	50	47			e		36	30	
		iE		58	21			e		38	33	
		iS _E	14	04	01			Sr ₁		42	30	
		iE		06	33			e		44	13	
		iE		07	15			eL		48	05	
		iE			35			i		49	03	
		iL _E		08	23	2768	24	M _N		51	30	
		M	ca	11	00			eL	02	56	30	local?
		F	17	30	00			eL	03	30	00	
2761	6	L	02	58	00	2769	25	eL	06	00	00	
2762	10	L	23	11	00			F	08	00	00	
		F	24	08	00	2770	25	eL	12	15	00	
2763	14	O	00	11	57			F	14	00	00	ca.
		P		23	11	2771	Dec. 11	eL	15	45	00	
		e		25	16			F	16	50	00	
		Pr ₁		25	41	2772	12	eL	17	24	00	
		Pr ₂		27	41			F	18	-	-	
		S		32	13	2773	28	i	18	32	12	
		L		47	06			i		32	35	
		M _N		52	00			iE		32	53	
		F _N	01	50	00			i		37	45	
2764		eP	05	07	33			iS		40	45	
		Pr ₂		12	11			e		41	05	
		e		13	14			e		41	25	
		S		16	26			Sr ₁		41	45	
		L		26	26			PS		42	18	
		M _N		35	00			Sr ₂		46	40	
		F _N	07	50	00			e		47	50	
2765	15	e		40	02			eL		50	15	
		i			05			M		58	45	
		L		58	40	2774	30	e	12	37	40	
		F	09	40	00			eL		41	50	
2766	21	eL _N	15	36	03	2775	31	F	13	38	00	
		eL _N	17	40	00			e	19	24	26	
								i		27	06	
								F	20	00	-	