

$\phi = 40^{\circ} 51' 47''$  N  
 $\lambda = 73^{\circ} 53' 8''$  W  
 $h = 24$  m  
 $a = +.210$   
 $b = -.726$   
 $c = +.654$

# FORDHAM UNIVERSITY NEW YORK CITY

## Instrumental Bulletin of the Seismic Observatory

*Instruments:*  
 Wiechert  
 Galitzin-Wilip  
 Milne-Shaw  
 Wood-Anderson  
 (Short Period)  
*Foundation:*  
 Fordham Gneiss

JANUARY 1932.

Jan. 5	eP NZ	02 <sup>h</sup> 05 <sup>m</sup> 57 <sup>s</sup>	$\Delta 76^{\circ}3$
	eS NE	02 15 49	USCGS 27°S 112°W
	eSR <sub>1</sub> N	02 20 52	JSA 25°S 115°W
	eSR <sub>2</sub> N	02 24 50	
	eL	02 32+	
Jan. 9	iP'Z	10 40 09	New Hebrides (JSA)
	iPR <sub>1</sub> EZ	10 41 59	
	i NE	10 43 19	
	i NE	10 46 40	
	e NE	10 58 10	
Jan. 24	e EZ	04 05 06	
	e E	04 12 06	
	e E	04 22 26	
	e E	04 25 15	
	eL	04 45+	
Jan. 27	e N	19 45 10	
	e E	19 47 20	
	e NE	19 52 40	
	L	19 57+	
Jan. 29	ePR <sub>1</sub> EZ	14 02 00	$\Delta 125^{\circ}$
	ePSN	14 12 15	USCGS 7°S 155°E
	eSR <sub>1</sub> N	14 19	JSA 7°S 156°E
	eSR <sub>2</sub> N	14 24	
	eL	14 37+	

### MICROSEISMIC RECORD - JANUARY 1932.

Day	Max. Amp. (mm)	Approx. Time	Period (s)	Day	Amp.	Time	Period
				17	1.8	1	5.0
1	3.3	1	6.0	18	1.2	3	5.0
2	3.7	23h-24h	4.0	No record		18d 19h-20d 14h	
3	5.1	14h	4.6	20	1.9	34	5.2
4	3.9	00h-01h	4.8	21	1.6	01h	5.2
5	1.3	1234	5.5	22	1.0	1	irreg.
6	1.2	12	5.5	23	1.4	3	4.0
7	1.1	234	3.5	24	1.1	34	irreg.
8	1.2	01h	3.4	25	1.5	4	5.0
9	.8	1	3.5	26	2.6	08h30m	6.0
10	3.7	4	5.0	27	(1.4)	1	5.5
11	3.0	02h	4.8		(2.4)	22h40m	4.0
12	2.3	08h 36m	5.5	28	2.7	01h30m	4.5
13	2.2	2	5.5	29	(2.8)	01h40m	4.8
14	1.19	12	5.8		(3.5)	18h06m	5.6
15	1.5	1234	5.8	30	2.4	00h40m	5.5
16	1.9	4	4.5	31	3.4	06h00m	4.0

1 = 00h to 06h  
 2 = 06h to 12h  
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 (Short Period)  
 Foundation:  
 Fordham Gneiss

FEBRUARY 1932.

Feb. 3	iP		06 <sup>h</sup>	20 <sup>m</sup>	43 <sup>s</sup>	$\Delta 22.7^{\circ}$
	iPR <sub>1</sub> Z		06	21	10	USCGS 19.3°N 76.0°W
	iS <sub>N</sub>		06	24	42	JSA 19.2°N 76.0°W
	iSR <sub>1</sub>		06	25	38	
	iL		06	27		
Feb. 3	eP	Z	12	41	27	$\Delta 22.8^{\circ}$
	iP	N	12	41	30	
	eS	NE	12	45	30	
Feb. 16	e	E	14	15	16	$\Delta_{\text{meas.}} 110^{\circ}$
	eSR <sub>1</sub>		14	23	45	USCGS 14°S 179°W
	eL	E	14	43		
	M		14	49+		
Feb. 17	eP	NZ	16	12	56	$\Delta 30^{\circ}$
	eS	N	16	17	49	
	eSR <sub>1</sub>		16	19	19	
	eL	E	16	21.5		
	eL	N	16	23.5		
	eL	Z	16	24		

## MICROSEISMIC RECORD - FEBRUARY 1932.

Day	Max. Amp. (mm)	Approx. Time	Period (s)	Day	Amp.	Time	Period
1	1.8	1234	6.0	17	(No record)	00 <sup>h</sup> -14 <sup>h</sup>	
2	1.6	1	5.0	18	.6	34	3.0
3	1.4	4	5.0	19	2.1	3	3.5
4	1.8	12	5.0	20	1.8	123	irreg.
5	5.2	4	4.5	21	2.4	4	5.2
6	5.5	00 <sup>h</sup> 30 <sup>m</sup>	4.5	22	3.0	01 <sup>h</sup> 20 <sup>m</sup>	5.0
7	2.8	4	6.3	23	1.4	12	5.0
8	2.2	1	5.8	No record		22 <sup>d</sup> 14 <sup>h</sup> -23 <sup>d</sup> 18 <sup>h</sup>	
9	3.4	05 <sup>h</sup> 40 <sup>m</sup>	3.8	24	1.5	4	irreg.
10	1.7	4	5.0	25	1.9	00 <sup>h</sup> -04 <sup>h</sup>	5.0
11	1.4	1	5.0	(No record)		04 <sup>h</sup> -14 <sup>h</sup>	
12	.8	1234	3.6	26	2.9	3	6.2
13	.8	1234	3.6	27	3.6	12 <sup>h</sup> 04 <sup>m</sup>	6.5
14	1.2	1	3.3	28	2.0	00 <sup>h</sup> -01 <sup>h</sup>	6.0
15	.9	12	3.3	29	1.3	23	6.2
16	.7	1234	irreg.	28	1.2	4	5.5
				29	1.2	1234	4.2

1 = 00<sup>h</sup> to 06<sup>h</sup>  
 2 = 06<sup>h</sup> to 12<sup>h</sup>  
 3 = 12<sup>h</sup> to 18<sup>h</sup>  
 4 = 18<sup>h</sup> to 24<sup>h</sup>

J.J.L., S.J.

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 (Short Period)  
*Foundation:*  
 Fordham Gneiss

MARCH 1932.

Mar. 14	eS N	04h 18m 28s	$\Delta_{\text{meas.}} 36.7^\circ$
	e N	04 20 10	JSA $20.5^\circ\text{N } 110^\circ\text{W}$
	e N	04 21 00	
	eL NZ	04 24+	
Mar. 14	iP NZ	22 49 28	$\Delta 33.5^\circ$
	iPR <sub>2</sub> NZ	22 50 58	USCGS $7^\circ\text{N } 73^\circ\text{W}$
	iS N	22 54 46	
	eL NZ	22 59+	
Mar. 26	iP Z	00 07 23	$\Delta 51.3^\circ$
	iPR <sub>1</sub> NZ	00 09 30	USCGS $63^\circ\text{N } 155^\circ\text{W}$
	iS N	00 14 39	JSA $61^\circ\text{N } 151^\circ\text{W}$
	iPS <sub>N</sub>	00 14 52	
	eSR <sub>1</sub> Z	00 18 32	
	eL Z	00 23	
	M <sub>1</sub> Z	00 26	
Mar. 26	e Z	10 11 45	
	e Z	10 14 45	
	i N	10 15 22	
	i N	10 18 56	
	e N	10 33.6	
	eL N	10 57+	
	M	11 08+	
Mar. 28	e(P)Z	00 55 12	
	e N	01 18	
	eL?N	01 49	

### MICROSEISMIC RECORD - MARCH 1932.

Day	Max. Amp. (mm)	Approx. Time	Period (s)	Day	Amp.	Time	Period
1	2.2	4	5.0	16	1.9	12	4.8
2	2.4	1	5.0	No record		16 <sup>d</sup> 16h-18 <sup>d</sup> 16h	
3	3.7	18h32m	5.6	18	1.2	4	4.5
4	3.1	1	5.6	19	1.2	1234	4.5
5	1.7	1	5.4	20	1.3	3	5.5
6	3.5	23h-24h	5.6	21	1.3	3	5.0
7	(6.7)	04h-		22	1.1	3	3.6
	(No record)	4h30m-14h50m		23	2.4	12	4.5
	(7.5)	14h54m	5.6	24	(No record)	03h-14h	
8	5.7	02h35m	6.4	(.9)	20H-24h	9.0	
9	3.8	4	6.0	25	1.4	1234	9.0, 7.5
10	4.3	04h17m	7.0	26	1.0	1234	6.5
11	2.0	12	4.8	27	.9	12	irreg.
12	1.4	1234	6.0	28	3.3	23h23m	3.8
13	1.4	1234	6.0	29	6.2	06h25m	4.8
14	1.4	1	6.2	30	1.7	04h04m	5.0
15	2.0	2	4.8	31	.8	1234	irreg.

1 = 00h to 06h  
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Instrumental Bulletin of the Seismic Observatory

APRIL 1932.

*Instruments:*  
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 Wood-Anderson  
 (Short Period)  
*Foundation:*  
 Fordham Gneiss

Apr. 4	e NZ	19 <sup>h</sup> 34 <sup>m</sup> 10 <sup>s</sup>	
	e N	19 39 49	
	e	19 42.2	
Apr. 8	e Z	23 02 06	
	e N	23 02 13	
	eL N	23 05+	
Apr. 22	e NZ	05 17 40	
	e NZ	05 20 52	
	eL?N	06 12	
	L N	06 19	
Apr. 24	e N	06 23 18	
	e N	06 25 23	
	eL N	06 27.7	
	M N	06 31.7	
Apr. 26	eP N	08 05 32	$\Delta 65.2^{\circ}$
	eS N	08 14 18	
	eL N	08 26.4	
Apr. 29	iP NZ	18 29 18	$\Delta 64.5^{\circ}$
	eS N	18 38 00	
	eL	18 50.6	
Apr. 30	eP?Z	01 17 56	
	e N	01 27 27	
	eL N	01 41.6	

## MICROSEISMIC RECORD - APRIL 1932.

Day	Max. Amp. (mm)	Approx. Time	Period (s)	Day	Amp.	Time	Period
1	1.7	23	3.6	16	1.0	34	4.8
2	.9	1234	4.8	17	1.7	1234	5.0
3	1.4	2	3.4	18	1.7	1	4.6
4	2.4	2	3.6	19	.7	1	4.0
5	1.0	12	irreg.	20	.5	4	4.0
6	.7	1234	4.8	21	.8	12	4.2
7	.7	1234	4.8	22	.5	1234	5.0
8	.5	1234	4.6	23	.7	34	irreg.
9	.9	23	7.4	24	1.0	34	6.4
10	1.7	21 <sup>h</sup> 14 <sup>m</sup>	4.0	25	1.4	34	5.6
11	1.1	12	3.6	26	1.1	1	5.4
12	1.5	34	4.0	27	1.1	234	3.0-7.0
13	2.0	12	4.8	28	.8	12	4.0
14	1.3	12	4.6	29	.5	1234	4.0-6.0
15	.7	134	irreg.	30	.6	1	5.8

1 = 00<sup>h</sup> to 06<sup>h</sup>  
 2 = 06<sup>h</sup> to 12<sup>h</sup>  
 3 = 12<sup>h</sup> to 18<sup>h</sup>  
 4 = 18<sup>h</sup> to 24<sup>h</sup>

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JUNE 1932.

June 3	eP NZ	10 <sup>h</sup> 43 <sup>m</sup> 40 <sup>s</sup>	$\Delta_{\text{meas}} 36^{\circ}$	June 16	e Z	01 <sup>h</sup> 38 <sup>m</sup> 18 <sup>s</sup>	
	iP	10 43 58	16°N		e	01 40 39	
	iPR <sub>2</sub>	10 45 33	104°W		e	01 47 25	
	iS	10 49 33	(JSA)		eL	02 28	
June 3	eP?NZ	17 46 49		June 18	eP	10 18 34	$\Delta_{\text{meas}} 33.9^{\circ}$
	e N	17 50 36			iP	10 18 56	19.5°N
	eS N	17 52 44			i E	10 20 21	104°W
					iS	10 24 15	(CGS)
					i Z	10 24 19	
June 5	e N	09 11 14		June 20	eP	09 08 10	P, S in min.
	e N	09 17 02			eS	09 13 10	mks. 13°N
	e N	09 19 14			eL	09 23+	88.5°W
	iL	09 23					(JSA)
June 6	iP Z	08 51 40	$\Delta_{\text{S-P}} 37.8^{\circ}$	June 20	e	09 35+	44°N
	iP N	08 51 44	42°N		e	09 40	126°W
	i Z	08 51 54	123°W		eL	09 47	(JSA)
	i Z	08 52 11	(USCGS)	June 22	eP NZ	13 06 17	
	iS N	08 57 28			e	13 06 33	19.5°N
	iPS	08 57 34			e	13 07 03	104°W
	eSR <sub>1</sub>	08 59 58			eS?	13 12 15	(CGS)
	iL	09 02+			i	13 12 50	
June 6	eP NZ	11 54 44	$\Delta_{\text{meas}} 22^{\circ}$		iL	13 17+	
	eS	11 58 44	18.6°N	June 26	e	19 31 13	Time correc-
	eL	12 01	77.1°W		e	19 40 35	tion uncerta-
			(JSA)		e	19 41 35	
June 8	e	08 03 40			eE	20 00	
	e	08 09 00					
	e	08 12 39					
	eL	08 18					
June 9	e	04 43 34					
	e	04 50 34					
	eL	04 53					
June 14	e	06 19 29					
	e	06 25 00					
	e	06 25 40					
	eL	07 01					

### Earthquake of May 26, 1932

#### Revised readings.

eP	16 24 04	$\Delta_{\text{meas}} 116^{\circ}$
epP	16 26 02	
ePR <sub>1</sub>	16 28 35	
ipPR <sub>1</sub>	16 30 53	
iSKKS	16 35 03	
iS	16 36 10	
isS	16 39 52	

### MICROSEISMIC RECORD - JUNE 1932.

Day	Max. Amp. (mm)	Approx. Time	Period	Day	Amp.	Time	Period
1	.5	123	4.6	16	.9	4	4.4
2	.3	1234	4.6	17	1.6	12	5.2
3	.2	12	3.8	18	.8	1	5.0
4	0			19	.4	1234	4.8
5	.2	1234	4.2	20	.3	1234	4.6
6	.4	123	4.6	21	.5	12	6.0-7.0
7	.3	4	3.0	22	.3	12	4.5
8	.4	12	3.0	23	.2	12	4.0
	No record	8d13h-9d13h.		24	.6	2	3.4
9	.2	34	3.8	25	.2	1234	3.4
10	.2	12	4.0	26	.2	1234	3.4
11	0			27	.2	1234	3.6
12	.7	4	4.4	28	.3	1234	4.2
13	.7	1234	4.6				
14	.6	12	4.6				
		2	4.4				

N.B. 1 = 00h-06h      3 = 12h-18h  
 2 = 06h-12h        4 = 18h-24h

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JULY 1932.

July 6 e N 15<sup>h</sup>11<sup>m</sup>55<sup>s</sup>  
           e NZ 15 12 04  
           e E 15 15 49  
           e N 15 15 57  
           eL 15 17.5

July 14 e Z 09<sup>h</sup>12<sup>m</sup>01<sup>s</sup>  
           e Z 09 13 47  
           e N 09 23 45  
           e N 09 30 30  
           L? 09 50

July 7 eP Z 16 22 49  $\Delta 34.8^\circ$   
           e EZ 16 24 06  $28^\circ$ N  
           i Z 16 24 32  $113.5^\circ$ W  
           i Z 16 25 10 (JSA)  
           eS NE 16 28 17  
           i 16 30 26  
           iL 16 32+

July 20 e LZ 20 26 02  
           e Z 20 27 12  
           e NE 20 30 54  
           e 20 33 06  
           eL 20 56

July 9 e 13 21  
           e 13 24 21  
           e 13 32 50  
           eL 13 47

July 25 e N 08 41 54  
           e 08 43 48  
           e 08 47 48  
           eL 08 57.5

July 12 eP NZ 19 30 49  $\Delta 33^\circ$   
           i Z 19 30 55  $25^\circ$ N  
           i Z 19 32 15  $110^\circ$ W  
           iS N 19 36 13 (CGS)  
           iSRL 19 38 17  
           L 19 40+

July 25 eP Z 09 19 34  $\Delta 34.2^\circ$   
           i NE 09 20 43  $18.5^\circ$ N  
           i Z 09 20 46  $103.5^\circ$ W  
           iS?N 09 25 18 (CGS)  
           i 09 25 37  
           i 09 26 55  
           iL Z 09 32

July 13 e 04 18 00  
           e 04 20 00  
           L 04 23+

July 27 e Z 21 39 35  
           e 21 43.5  
           L 22 00

### MICROSEISMIC RECORD - JULY 1932.

Day	Max. Amp. (mm)	Approx. Time	Period (s)	Day	Amp.	Time	Period
				17	.2	1234	4.5
				18	.2	12	4.0
				19	.1	1234	3.5-4.0
				20	0		
				21	0		
				23	0		
3	.6	34	4.4	24	.1	1234	4.2
4	.7	34	irreg.	25	.1	1234	3.4
5	.7	1234	"	26	.1	12	4.0
6	.6	1	"	27	.1	12	3.8
7	.5	23	4.6	28	.2	234	4.0
8	.3	12	4.4	29	.3	12	4.0
9	.2	1234	irreg.	30	(.3)	2	2.8
10	.2	1234	4.2	(.3)	34	4.6	
11	.2	12	3.5	31	.3	123	4.4
12	.2	23	3.0				
13	.1	123	3.5				
14	.1	234	4.0				
15	.2	12	4.4				
16	.3	1234	4.6				

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 Foundation:  
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AUGUST 1932.

Aug. 2 e Z 04<sup>h</sup>46<sup>m</sup>01<sup>s</sup>  
 e N 04 47 31  
 e ZN 04 48 32  
 eL 05 36

Aug. 11 e E 10 00 27  
 e E 10 12 27  
 eL E 10 14.5

Aug. 12 eP<sup>?</sup>N 03 34 28  $\Delta 60^{\circ}$   
 eS N 03 42 31  $52^{\circ}$ N  
 iS N 03 42 40  $167^{\circ}$ W  
 i Z 03 42 46 (JSA)  
 i E 03 47 26  
 L 03 55  
 M 04 02.5

Aug. 13 e Z 21 15 53  
 e Z 21 18 45  
 e Z 21 19 40  
 e N 21 28 02  
 eL Z 22 02+

Aug. 14 e N 04<sup>h</sup>58<sup>m</sup>51<sup>s</sup>  $\Delta_{PR1-0111^{\circ}}$   
 ePR<sub>1</sub>Z 04 59 00  $27^{\circ}$ N  
 i N 05 04 34  $103^{\circ}$ E  
 i N 05 05 38 (CGS)  
 i E 05 06 18  
 iPSZ 05 08 10  
 i N 05 08 57  
 i Z 05 09 02  
 eSR<sub>1</sub> 05 14.5

Aug. 17 eP NZ 08 53 00  $\Delta_{S-P29.2^{\circ}}$   
 e 08 53 11  
 e 08 53 22  
 eS N 08 57 57  
 eL<sup>?</sup> 09 01  
 L 09 05

Aug. 21 e N 04 43 00 Absolute  
 e Z 04 47 47 time  
 eL Z 05 01 uncertain.

Aug. 25 e E 08 13 41  
 e 08 18 17  
 e 08 21 13  
 e 08 22 04  
 M 08 26

## MICROSEISMIC RECORD - AUGUST 1932.

Day	Max. Amp. (mm)	Approx. Time	Period (s)	Day	Amp.	Time	Period
				16	.1	12	4.0
1	.1	1234	4.0	17	0		
2	.1	1234	4.0	18	.1	4	3.0
3	.2	2	4.5	19	.2	1234	3.2
4	.1	234	3.0	20	.2	12	3.2
5	.1	12	3.0	21	.2	1	3.4
6	.1	234	3.5	22	.2	4	4.0
7	.1	1234	3.5	23	.5	1234	5.0
8	.1	1234	3.5	24	.8	1234	5.4
9	.1	1234	3.5	25	.3	4	4.2
10	.1	12	4.0	26	.5	23	4.5
11	.2	34	3.0	27	.2	123	4.2
12	.1	12	3.6	28	.2	1234	irreg.
13	.1	234	3.0	29	.2	1234	Y
14	.2	12	4.5	30	.2	234	4.2
15	.2	1234	3.5	31	.5	34	irreg.

1 = 00<sup>h</sup> to 06<sup>h</sup>  
 2 = 06<sup>h</sup> to 12<sup>h</sup>  
 3 = 12<sup>h</sup> to 18<sup>h</sup>  
 4 = 18<sup>h</sup> to 24<sup>h</sup>

J. J. L. S. J.

$\phi = 40^\circ 51' 47''$  N  
 $\lambda = 73^\circ 53' 8''$  W  
 $h = 24$  m  
 $a = +.210$   
 $b = -.726$   
 $c = +.654$

# FORDHAM UNIVERSITY NEW YORK CITY

## Instrumental Bulletin of the Seismic Observatory

*Instruments:*  
 Wiechert  
 Galitzin-Wilip  
 Milne-Shaw  
 Wood-Anderson  
 (Short Period)  
*Foundation:*  
 Fordham Gneiss

SEPTEMBER 1932.

Sep. 3	eP NZ i NZ e N eS NE ePS e e eL	12 <sup>h</sup> 12 <sup>m</sup> 00 <sup>s</sup> 12 12 16 12 22 34 12 23 00 12 24 05 12 24 28 12 30 12 41	P, S in hr mk Absolute time uncertain	Sep. 15	eP'Z ePR <sub>1</sub> eSR <sub>1</sub> L	14 <sup>h</sup> 14 <sup>m</sup> 02 <sup>s</sup> 14 16 14 33+ 14 53+	About 123°
Sep. 14	iP NZ e eS E eS N e eL	08 52 33 08 54 25 08 59 12 08 59 18 09 03 14 09 07+	$\Delta 46.5^\circ$ $61^\circ$ N $149^\circ$ W (CGS) Time uncertain	Sep. 26	eP E eP N eS N iS N i N eL	19 31 58 19 32 03 19 41 08 19 41 14 19 41 30 19 52+	$\Delta_S - p 68.8^\circ$  $39.5^\circ$ N $24^\circ$ E (CGS)
Sep. 15	e Z e Z e E eL?	11 35 16 11 36 21 11 52 30 12 08		Sep. 29	eP NZ iS N eL	04 08 34 04 17 40 04 29	$\Delta_S - p 68^\circ$
				Sep. 29	eS? eL	14 07 37 14 21	
				Sep. 29	eP NZ eS E iS N eL?	17 59 00 18 09 15 18 09 19 18 28	$\Delta_S - p 81^\circ$

### MICROSEISMIC RECORD - SEPTEMBER 1932.

Day	Max. Amp. (mm)	Approx. Time	Period (s)	Day	Amp.	Time	Period
1	.4	1234	irreg.	15	.7	1	5.6
2	.4	123	4.4	16	6.9	4	4.5
3	.6	4	6.0	17	7.3	1	4.5
4	.7	1 3	6.0	18	2.0	1	4.8
No record 4d18h to 5d14h				19	.5	1234	5.0
5	.5	34	5.0	20	.7	1234	4.8
6	.7	4	5.6	21	.6	12	5.2
7	2.1	4	5.0	22	.5	1234	4.4
8	5.7	34	5.0	23	.6	1234	4.0-5.0
9	5.5	1	5.0	24	.5	12	4.5
10	5.0	2	5.2	25	.5	34	5.0
11	3.3	1	5.0	26	.8	2	5.2
12	1.8	1	5.0	27	.6	2	5.0
13	.9	12	4.8	28	.5	1	5.0
14	1.0	12	5.2	29	.5	1234	3.0-4.0
				30	1.0	34	irreg.

1 = 00h to 06h  
 2 = 06h to 12h  
 3 = 12h to 18h  
 4 = 18h to 24h

J. J. L. S. J.



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 Fordham Gneiss

OCTOBER 1932.

Oct. 2	iP	03 <sup>h</sup> 05 <sup>m</sup> 34 <sup>s</sup>	$\Delta$ PR <sub>1</sub> -P33.5°
	iPR <sub>1</sub>	03 06 37	
	iPR <sub>2</sub>	03 06 58	(12°N
	e	03 10 41	(86°W USCGS
	iS <sub>N</sub>	03 10 47	
	iS <sub>E</sub>	03 11 02	
	eL	03 15+	
Oct. 3	e(P)	04 45 58	
	e(S)	04 52 35	
	eL	04 58.5	
Oct. 11	eSR <sub>1</sub>	19 22 25	$\Delta$ SR <sub>1</sub> -0 32.7°
	e	19 24 20	
	eL	19 26	( 24°N
	M	19 27	(110°W USCGS
Oct. 16	iP	12 17 33	$\Delta$ 53.2°
	iS	12 25 18	( 55°N
	eL	12 34+	(155°W JSA
Oct. 30	eP	20 56 35	$\Delta$ 54.6°
	iS	21 04 20	
	iPS	21 04 35	( 54°N
	eL	21 15+	(155°W JSA

### MICROSEISMIC RECORD - OCTOBER 1932.

Max. Approx.							
Day	Amp. (mm)	Time	Period	Day	Amp.	Time	Period
				15	1.7	4	5.0
1	.8	1234	irreg.	16	1.0	2	5.0
2	.8	234	irreg.	17	.9	23	5.2
3	.7	1	5.0	18	.9	1234	irreg.
4	.6	1	5.6	19	1.5	4	irreg.
5	.3	1234	irreg.	20	3.0	2	8.0
6	.7	4	irreg.	21	2.0	1	7.0
7	1.8	23	4.0	22	2.3	4	5.6
8	.7	123	4.2	23	4.0	4	6.2
9	.5	1234	4.4	24	4.7	12	6.6
10	.5	234	4.5	25	1.9	1	6.0
11	1.9	3	7.2	26	.7	12	5.4
12	(.8	1	irreg.	27	.5	1234	5.4, 3.0
	(1.0	4	4.5	28	1.1	34	4.0
13	2.0	34	5.0	29	1.0	234	4.6
14	2.5	2	6.0	30	1.8	4	5.0
No record		14 <sup>d</sup> 13 <sup>h</sup> -15 <sup>d</sup> 13 <sup>h</sup>		31	3.3	2	6.0

1 = 00h - 06h  
 2 = 06h - 12h  
 3 = 12h - 18h  
 4 = 18h - 24h

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NOVEMBER 1932.

Nov. 2	eP	11h 15m 04s	Time approximate.
	iS	11 24 28	( 23°S
	iPS	11 24 51	(111°W
	iSR <sub>1</sub>	11 29 17	
Nov. 13	iP	04 58 20	Approximate - no minute
	i	05 09 16	marks.
	i	05 09 44	( 45°N
	i	05 09 58	(137°E USCGS
Nov. 17	eP	06 09 47	$\Delta 35.2^{\circ}$
	e	06 10 50	
	eS	06 15 27	( 18°N
	e	06 17.5	(104°W JSA
	L	06 22	
Nov. 26	eP	04 37 00	$\Delta P-0 96^{\circ}$
	i	04 37 13	
	i	04 37 17	( 41°N
	iSKS	04 47 25	(135°E JSA
	iS	04 47 48	
	iPS	04 48 52	
	i	04 49 21	
	eL	05 07	
Nov. 29	iP	11 22 26	$\Delta 70.6^{\circ}$
	iS	11 31 47	
	i	11 32 26	( 32°S
	eSR <sub>1</sub>	11 36 46	( 72°W USCGS
	eL	11 45+	

°-°

### MICROSEISMIC RECORD - NOVEMBER 1932.

Max. Approx.

Day	Amp. (mm)	Time	Period	Day	Amp.	Time	Period
1	1.8	1	6.2	16	1.1	1	5.4
No record		1d21h-2d16h		17	.5	4	irreg.
2	1.2	4	4.2	18	1.5	234	4.4
3	2.3	4	5.2	19	1.7	1	4.8
4	3.4	12	5.8	20	1.8	123	irreg.
5	2.3	12	7.0	21	1.1	1	4.6
6	1.1	1 34	7.0, 5.0	22	1.6	12	3.6
7	1.1	1	5.4	23	1.2	4	4.8
8	4.5	4	4.5	24	1.3	1-34	4.8
9	4.0	1	4.5	(No record 06h-16h)			
10	2.7	123	irreg.	25	.9	1	4.8
11	2.2	12	irreg.	26	1.8	4	4.0
12	1.2	1	6.2	27	2.8	123	5.0
13	1.0	1234	irreg.	28	2.66	1	5.8
14	2.3	34	5.8	29	1.5	1234	irreg.
15	1.6	12	6.0	30	2.9	34	5.4

1 = 00h - 06h  
 2 = 06h - 12h  
 3 = 12h - 18h  
 4 = 18h - 24h

$\phi = 40^{\circ} 51' 47''$  N  
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## Instrumental Bulletin of the Seismic Observatory

DECEMBER 1932.

Dec. 4 iP' ? 08h30m35s  
           e 08 33 09  
           e 08 33 14  
           i 08 34 10  
           e 08 40 03  
           e 08 57  
           eL 09 18  
           M 09 31.2

Dec. 4 e 10 52 20  
           e 10 55 46  
           i 10 55 49  
           i 10 56 05  
           e 11 12 57  
           eL 11 40

Dec. 7 eP 16 28 58  $\Delta p=0$   $34^{\circ}$   
           iPR<sub>1</sub> 16 30 00  
           e 16 30 06 (  $18^{\circ}$ N  
           i 16 30 10 (  $103^{\circ}5'$ W  
           i 16 30 25 USCGS  
           i 16 30 59  
           i 16 34 22  
           iS? 16 34 40  
           L 16 41.4  
           M 16 45

Dec. 9 eP 08 44 29  $\Delta$   $60.8^{\circ}$   
           eS 08 52 09  
           iS 08 52 14 (  $20.2^{\circ}$ S  
           e 08 54 06 (  $73.5^{\circ}$ W  
           eL 09 02.5 JSA

Dec. 21 eP 06 16 49  $\Delta$   $33^{\circ}$   
           e 06 16 56  
           iS 06 22 14 (  $38.7^{\circ}$ N  
           eSR<sub>1</sub> 06 24.2 (  $117.8^{\circ}$ W  
           L 06 27 USCGS

Dec. 25 eP 02 18 12  $\Delta_{meas}$   $100^{\circ}$  ca.  
           e 02 21 24  
           i 02 21 41 (  $38^{\circ}$ N  
           i 02 22 18 (  $96^{\circ}5'$ E  
           i 02 24 01 USCGS  
           i 02 24 13  
           i 02 24 56  
           i 02 28 19  
           i 02 29 00  
           i 02 30 56  
           e 02 31 49  
           eSR<sub>1</sub> 02 37  
           L 02 51+  
           M 03 03

### MICROSEISMIC RECORD - DECEMBER 1932.

Max. Approx.							
Day	Amp. (mm)	Time	Period	Day	Amp.	Time	Period
1	1.5	12	5.0	16	1.5	23	5.6
2	.8	12	4.8	17	1.6	34	5.6
3	2.1	23	7.5	18	2.2	2	4.2
4	1.1	2	5.0	19	2.0	1	5.0
5	(.7)	1	5.5	20	1.2	12	6.0
	(.8)	4	4.2	21	1.4	4	6.6
6	1.5	4	4.6	22	1.9	4	6.8
7	2.6	2	4.6	23	1.8	1	7.0
8	1.5	23	3.4	No record 23 <sup>d</sup> 14h-24 <sup>d</sup> 14h.			
9	1.4	23	4.4	24	2.5	4	5.2
10	1.1	1	4.8	25	1.9	1	5.0
11	1.6	34	irreg.	26	.8	1234	irreg.
12	1.6	1	irreg.	27	1.5	34	5.6
13	2.7	4	5.4	28	1.3	1	6.0
14	3.0	1	5.6	29	.3	1234	5.0
15	1.5	23	irreg.	30	.5	4	5.0
				31	1.5	3	7.5

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