SEISMOGRAPH RECORDS
For the Month of _____January_____, 192 2.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29°\,51'\,N$, $\lambda = 31°\,20'\,E$, $h = 115$ m.

Director H. Knox-Shaw.

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = $12^s\!\cdot\!0$.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 1922.	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
January 1	P	20	6	22			
	M	21	18		18	± 10	
	F	22	54	±			Seismograph out of order
6	eP	14	30	20			from $5^d\,6^h$ to $6^d\,6^h$
	L	15	9	±			
	M	15	17	5	18	± 45	
	F	17	25	±			
6	e	20	19	15			
	M	20	28		20	± 11	
	F	21	17	±			Seismograph out of order
17	P	4	3	33			from $7^d\,14^h$ to $9^d\,7^h$
17	PR	4	6	0			
	S	4	8	12			
	M_1	4	13	30	7	± 45	
	M_2	4	17	58	8	— 60	
	M_3	4	18	2	8	+ 51	
	M_4	4	20	24	8	+ 42	
	M_5	4	20	36	8	— 53	
	M_6	4	22	13	10	— 86	
	M_7	4	22	18	10	+ 108	
	M_8	4	22	38	10	— 93	
	F	7	15	±			
17	e	11	33				

(Form No. 620, F.C.)

SEISMOGRAPH RECORDS
For the Month of ___January___ , 192 2 .

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29°\ 51'\ N$, $\qquad \lambda = 31°\ 20'\ E$, $\qquad h = 115$ m.

*Director*___ H. Knox-Shaw. ___

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12^s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 1922.	PHASE.	TIME. h. m. s.	PERIOD. s.	AMPLITUDE A_E. μ	REMARKS.
January 17	M	11 43	14	± 3	
	F	11 58			
19	e	18 0 20			
	L	18 18			
	M	18 20 30	18	± 8	
	F	19 16 ±			
19	e	22 18 15			
	L	22 53 35			
	M	23 8	20	± 23	
20	F	1 5			
22	P	3 43 57			
	L	4 38			
	M	4 55	19	± 8	
	F	6 4 ±			
22	e	15 11			
	M	15 20	18	± 6	
	F	15 36			
22	P	21 4 29			No well determined max.
	L	22 7			$A_E < 10$
	F	23 32			
23	eP	16 32 20			
	eS	16 34 0			
	M	16 34 30	3	± 18	✓

(Form No. 620, F.C.)

SEISMOGRAPH RECORDS

For the Month of ~~January~~ , 192~~2~~ .

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' \text{ N}$, $\lambda = 31° 20' \text{ E}$, $h = 115 \text{ m}$.

Director ~~H. Knox-Shaw.~~

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = 12^s·0.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 192~~2~~ .	PHASE.	TIME. h. m. s.	PERIOD. s.	AMPLITUDE A_E. μ	REMARKS.
January 23	F	17 18 ±			
28	P	10 42 30			
	S	10 46 29			
	M	10 53	9	± 28	
	F	11 26 ±			
28	P	19 4 35			
	iS	19 8 41			
	M	19 15	9	± 30	
	F	19 50 ±			
/ 31	e	13 36			
	M	14 18	30	± 100	
	F	17 24 ±			

SEISMOGRAPH RECORDS

For the Month of ___February___, 192 2.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29°\ 51'\ N$, $\qquad \lambda = 31°\ 20'\ E$, $\qquad h = 115$ m.

*Director*___ H. Knox-Shaw.

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = $12^s \cdot 0$.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 1922.	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
February 5	iP	4	3	8			
	S	4	3	36			
	M	4	3	41	7	– 7	
	F	4	50	±			
February 14	eP	12	55	0			This interpretation is
	S	13	2	50			doubtful. There are signs
	L	13	20				of tremors from $12^h\ 25^m$
	M	13	22		16	± 12	onwards which may be con-
	F	15	25				nected with this shock.
February 16	e	3	37				
	L	4	8				
	M	4	14	30	22	± 13	
	F	5	44				
February 17	iP	11	35	32			
	S	11	39	7			
	M	11	44	40	11	± 25	
	F	12	25				
February 18	P	6	49	5			
	S	6	51	45			
	M	6	54	37	10	± 11	

SEISMOGRAPH RECORDS

For the Month of ~~February~~ , 192~~2~~.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director ~~H. Knox-Shaw.~~

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = $12^s{\cdot}0$.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 192$_2$.	PHASE.	TIME.	PERIOD.	AMPLITUDE A_E.	REMARKS.
		h. m. s.	s.	υ	
February 18	F	7 23			

Smaller tremors were also recorded at $1^d\ 17^h$, $2^d\ 4^h$, $3^d\ 17^h$, $10^d\ 0^h$, $14^d\ 0^h$, $15^d\ 5^h$, $15^d\ 8^h$, $15^d\ 15^h$, $16^d\ 11^h$, $17^d\ 14^h$, $18^d\ 10^h$, $18^d\ 20^h$, $19^d\ 22^h$, $24^d\ 13^h$, $26^d\ 9^h$.

During ~~the~~ January the following small·tremors were recorded in addition to those measured. At $1^d\ 12^h$, $3^d\ 21^h$, $10^d\ 14^h$, $21^d\ 0^h$.

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SEISMOGRAPH RECORDS
For the Month of ___March___, 1922.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director H. Knox-Shaw.

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12^s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 1922.	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
March 1	eP	9	16	55			
	S	9	20	35			
	M	9	25	42	.4	± 6	
	F	9	55	±			
1	P	11	45	39			
	S	11	49	13			
	M	11	54	50	10	± 12	
	F	12	40	±			
4	iP	13	19	54			
	iS	13	29	54			Doubtful whether this is S
	M	13	30	1	10	+ 30	
	F	15	50	±			
8	eP	17	35	55			Period of S waves only 2^s.
	S	17	37	20			
	M	17	43	35	8	± 5	
	F	18	11				
10	P	17	11	22			
	M	17	44	55	8	± 4	
	F	19	10	±			✓

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SEISMOGRAPH RECORDS

For the Month of ___March___, 192 2 .

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

*Director*___H. Knox-Shaw.___

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = $12^s\cdot0$.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 1922.	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
March 12	e	17	12	5			
	L	17	53	30			
	M	18	7	0	20	± 70	
	M	18	10	15	18	± 60	
	F	20	50	±			
15	e	3	22	55			
	M	3	27	10	6	− 20	
	F	4	30	±			
16	eP	15	2	22			
	S	15	6	37			
	M	15	10	10	10	± 8	
	F	15	55				
21	iP	17	0	8			
	S	17	3	22			
	M	17	9	8	8	+ 45	
	M	17	9	12	8	− 40	
	F	18	3	±			
28	eP	4	16	37			possibly e at $4^h 12^m$.
	S	4	22	38			

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SEISMOGRAPH RECORDS

For the Month of ___March___, 192 2 .

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director ___H. Knox-Shaw.___

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = $12^s \cdot 0$.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 192 2.	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
March 28	L	4	55	$\pm$			
	M	5	6	10	18	$\pm$ 30	F after $6^h 20^m$ only

Smaller tremors were also recorded at $2^d 10^h$, $2^d 14^h$, $6^d 21^h$, $7^d 23^h$, $10^d 12^h$, $24^d 3^h$, $24^d 12^h$, $25^d 22^h$, $26^d 15^h$, $29^d 8^h$, $30^d 10^h$.

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SEISMOGRAPH RECORDS
For the Month of ___ April ___, 192 2.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director ___ H. Knox-Shaw. ___

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = $12^s \cdot 0$.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 192 2.	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
April 8	P	20	51	4			
	S	20	58	2			
	M	21	14	20	20	± 30	
	F	23	45	±			
" 16	e	13	14	8			
	S	13	19	39			
	M	13	27	27	8	+ 47	
	F	15	32	±			
" 20	iP	10	25	0			Local shock felt in Cairo Maximum amplitude uncertain but about 5 mm. on paper.
	M	10	25	6±			
	F	10	38	±			
" 26	iP	4	12	3			Clock stopped between 22^d 15^h and 23^d 7^h.
	? PR	4	22	33			
	? S	4	28	30			
	L	4	55	30			
	M	5	2	39	17	± 14	
	F	6	24				

Smaller tremors were also recorded at 2^d 0^h, 2^d 19^h, 3^d 10^h, 3^d 19^h, 5^d 10^h, 6^d 3^h, 6^d 8^h, 7^d 16^h, 8^d 3^h, 9^d 10^h, 11^d 0^h, 11^d 4^h, 11^d 8^h, 20^d 7^h, 23^d 21^h, 25^d 5^h, 25^d 21^h, 26^d 1^h, 28^d 8^h, 29^d 14^h.

SEISMOGRAPH RECORDS

For the Month of_____May_____, 1922.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

*Director*___H. Knox-Shaw.___

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = 12s·0.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 1922.	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
May / 2	e	11	24	53			
	? S	11	29	22			
	M	11	52	16	16	± 10	
	F	12	50	±			
/ 4	iP	9	25	43			
	S	9	36	7			
	L	10	8				
	M	10	10	40	17	± 14	
	F	12	29	±			
/ 9	P	14	3	37			
	S	14	14	0			
	M	14	14	35	8	- 14	
	F	15	31	±			
/ 12	P	18	59	0			
	? S	19	2	43			
	L	19	54				
	M	20	2	58	21	± 15	
	F	22	23	±			

Smaller tremors were also recorded at $3^d 16^h$, $5^d 0^h$, $5^d 2^h$, $6^d 12^h$, $10^d 9^h$, $11^d 1^h$, $15^d 20^h$, $16^d 8^h$, $21^d 16^h$, $22^d 18^h$, $26^d 9^h$, $28^d 15^h$.

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SEISMOGRAPH RECORDS

For the Month of _____ June _____, 192 2.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director ___ H. Knox-Shaw. _____

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

DATE 192 2.	PHASE.	TIME.			PERIOD.	AMPLITUDE $A_E.$	REMARKS.
		h.	m.	s.	s.	μ	
June 2	iP	20	24	55			
	S	20	35	20			
	M₁	20	35	55	6	± 8	
	M₂	21	13	30	22	± 14	
	F	23	4				
" 3	P	4	15	58			
	S	4	17	10			
	M	4	17	15	2	± 12	
	F	4	35	±			
" 5	iP	4	33	17			
	S	4	34	55			
	M	4	38	25	2	± 11	
	F	5	23	±			
" 18	eP	19	39	21			
	S	19	39	36			
	M	19	39	50	2	± 7	
	F	19	46				Clock stopped from 22^d 19^h to 23^d 10^h and from 24^d 6^h to 25^d 10^h.

Smaller tremors were also recorded at 5^d 14^h, 10^d 4^h, 12^d 5^h, 12^d 11^h, 12^d 15^h, 19^d 0^h, 20^d 10^h, 27^d 14^h, 30^d 16^h.

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(FORM No. 620, F.C.)

SEISMOGRAPH RECORDS

For the Month of ___July___, 192_2_.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director___H. Knox-Shaw.___

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = 12^s·0.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 192 2.	PHASE.	TIME. h. m. s.	PERIOD. s.	AMPLITUDE A_E. μ	REMARKS.
July 2	e	13 49 40			
	L	14 27			
	M	14 35	24	± 34	
	F	16 46			
" 3	P	5 38 27			
	? S	5 45 45			
	M	6 12	15	± 5	
	F	7 25 ±			
" 13	eP	5 11 5			
	S	5 22 0			
	M	6 0	19	± 5	End lost in changing paper.
" 22	P	16 29 1			
	S	16 30 31			
	M	16 36 28	12	± 15	

Smaller tremors were also recorded at 7^d 0^h, 9^d 15^h, 10^d 9^h, 11^d 14^h, 12^d 6^h, 13^d 11^h, 13^d 17^h, 19^d 13^h, 22^d 13^h, 23^d 22^h, 24^d 2^h, 28^d 9^h, 29^d 20^h (local shock)

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of ___August___, 192**2**.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\qquad \lambda = 31° 20' E$, $\qquad h = 115$ m.

Director **H. Knox-Shaw.**

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = $12^s \cdot 0$.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 192**2**.	PHASE.	TIME. h. m. s.	PERIOD. s.	AMPLITUDE A_E. μ	REMARKS.
Aug. / 8	iS ?	3 53 26			This seems to be S with P
	M	3 54	3	± 7	about 2ᵐ earlier but record
	F	4 20 ±			is confused by traces
					crossing each other.
/ 11	P	8 21 13			
	iS	8 22 23			
	M	8 30 56	14	−110	
	M	8 31 3	14	± 130	
	F	10 10 ±			
/ 13	iP	0 11 28			Felt throughout Egypt.
	iS	0 12 39			
	M	0 19	17	± 600	
	F	2 50 ±			
/ 13	P	12 47 44			
	S	12 48 50			
	M	12 51 50	5	−25	
	M	12 52 10	5	± 16	
	F	13 40 ±			

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SEISMOGRAPH RECORDS

For the Month of ___September___, 192 2.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

*Director*___ H. Knox-Shaw.

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = $12^s \cdot 0$.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 192 2.	PHASE.	TIME. h. m. s.	PERIOD. s.	AMPLITUDE A_E. μ	REMARKS.
Sept. 1	1P	19 28 8			
	S ?	19 38 5			
	M–	19 39 14	9	± 31	
	F	23 3 ±			
8	eP	14 22 46			
	M	14 48 35	16	± 6	
	F	16 14 ±			
11	e	15 0 25			
	S	15 8 0			
	M	15 40 45	20	± 10	
	F	16 12 ±			
14	eP	19 43 50			
	1S	19 53 41			
	M	20 20 44	17	– 36	
	F	22 34 ±			
16	eP	22 56 50			
	S	23 6 44			
	M	23 38 34	17	± 9	
	F	24 34 ±			

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SEISMOGRAPH RECORDS

For the Month of ~~September~~ , 192~~2~~.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director ~~H. Knox-Shaw.~~

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12^s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

Date 192**2**.	Phase.	Time.			Period.	Amplitude A_E.	Remarks.
		h.	m.	s.	s.	μ	
Sept. 17	eP	7	35	7			
	S	7	44	43			
	M	8	17	3	15	± 8	
	F	9	32	±			
17	P	10	11	25			
	S	10	21	18			
	M	10	53	33	15	± 10	
	F	12	4	±			

Smaller tremors were also recorded at $1^d 1^h$(local), $1^d 13^h$, $2^d 11^h$, $2^d 17^h$, $4^d 17^h$, $10^d 4^h$, $10^d 17^h$, $11^d 13^h$, $19^d 4^h$, $19^d 8^h$, $20^d 0^h$, $22^d 18^h$, $29^d 18^h$.

SEISMOGRAPH RECORDS
For the Month of ___October___, 192 2.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\qquad \lambda = 31° 20' E$, $\qquad h = 115$ m.

*Director*___ H. Knox – Shaw.___

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12^s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 192 2	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
October 10	eP	21	35	19			
	S	21	37	20			
	M	21	38	48	6	± 4	
	F	22	9	±			
11	eP	15	4	20			
	PR	15	8	45			
	S	15	14	49			
	M	15	53	35	23	± 176	
	F	18	1	±			
14	P	23	58	52			
	S	0	8	45			
	M	0	37	13	15	± 16	
	F	2	36	±			
16	iP	16	10	14			
	PR	16	12	8			
	S	16	17	20			
	M	16	36	32	14	± 7	
	F	17	18	±			

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SEISMOGRAPH RECORDS

For the Month of ___October___, 192 2.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\qquad \lambda = 31° 20' E$, $\qquad h = 115$ m.

Director ___H. Knox - Shaw.___

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = $12^s·0$.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 192 2.	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
October 24	iP	21	33	42			
	S	21	43	58			
	M_1	21	44	50	8	$\neq$ 47	
	M_2	22	18	5	17	$\pm$ 28	
	F	0	46	$\neq$			

Smaller tremors were also recorded at $5^d 5^h$, $9^d 9^h$, $12^d 9^h$, $14^d 1^h$, $17^d 6^h$, $17^d 10^h$, $17^d 15^h$, $21^d 9^h$, $27^d 14^h$. ✓

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SEISMOGRAPH RECORDS

For the Month of _____November_____, 1922.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director_____ H . Knox-Shaw._____

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = $12^s\cdot0$.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 1922.	PHASE.	TIME. h. m. s.	PERIOD. s.	AMPLITUDE A_E. μ	REMARKS.
Nov. 4	eP	4 23 6			
	P_R?	4 25 8			
	S°?	4 30 0			
	M	4 38 32	13	± 15	
	F	5 57 ±			
7	P	23 19 46			
	S ?	23 29 36			✱
	M	0 12 55	18	± 66	
	F	1 48 ±			
11	P	4 47 26			
	P_R	4 52 0			
	M	5 42	15 ±	(+800 ±	
	F	10 8 ±			
11	eP	18 29 3			
	S ?	18 38 48			✱
	L	19 14			
	M	19 15 9	20	± 30	
	F	20 54 ±			

SEISMOGRAPH RECORDS

For the Month of __November__, 192₂.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director ____ H. Knox-Shaw.

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = $12^s\cdot0$.

Times are expressed in Greenwich Civil Mean Time.

Govt. Press 7269-1921-500 ex.

DATE 1922.	PHASE.	TIME.			PERIOD.	AMPLITUDE A_E.	REMARKS.
		h.	m.	s.	s.	μ	
Nov. 17	P	11	22	40			
	S ?	11	32	23			* The records of these
	M	12	15	30	16	± 52	three shocks are similar
	F	14	41	±			in character.

Smaller tremors were also recorded at $2^d 8^h$, $3^d 13^h$, $3^d 18^h$, $6^d 0^h$, $7^d 18^h$, $8^d 23^h$, $10^d 6^h$, $11^d 21^h$, $11^d 23^h$, $12^d 0^h$, $12^d 7^h$, $12^d 18^h$, $13^d 5^h$, $14^d 5^h$, $20^d 4^h$(local), $20^d 16^h$, $24^d 5^h$(local), $26^d 13^h$.

SEISMOGRAPH RECORDS

For the Month of ___December___, 192 2 .

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\qquad \lambda = 31° 20' E$, $\qquad h = 115$ m.

*Director*___ H. Knox - Shaw. ___

Seismograph Milne-Shaw recording E—W motion.

Theoretical magnification = 250.

Period of undamped pendulum = $12^s \cdot 0$.

Times are expressed in Greenwich Civil Mean Time.

DATE 192 2 .2	PHASE.	TIME. h. m. s.	PERIOD. s.	AMPLITUDE A_E. μ	REMARKS.
/ Dec. 6	iP	14 1 58			
	M	14 16 40	7	∓ 18	
	F	15 51 ∓			
/ 7	e	16 25 54			
	S	16 29 0			
	M	16 33 42	10	_ 10	
	F	18 37 ∓			
/ 8	P	22 45 48			
	M	22 56 50	10	± 7	
	L	23 26			
	F	24 5 ∓			
/ 17	iP	0 57 42			
	M	1 5 52	9	∓ 6	
	F	2 3 ∓			
/ 31	P	7 32 55			
	P_R	7 43 13			
	M	8 16 25	17	± 22	
	F	10 30 ∓			✓

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SEISMOGRAPH RECORDS

For the Month of ___December___, 192_2_.

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29°\ 51'\ N$, $\lambda = 31°\ 20'\ E$, $h = 115$ m.

*Director*___ H . Knox - Shaw.

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12^s·0.
Times are expressed in Greenwich Civil Mean Time.

DATE 192 **2**	PHASE.	TIME.	PERIOD.	AMPLITUDE A_E.	REMARKS.
		h. m. s.	s.	μ	

Smaller tremors were also recorded at 2^d 0^h, 2^d 4^h, 2^d 19^h, 5^d 8^h, 6 14, 8^d 2^h, 8^d 16^h, 15^d 0^h, 15^d 13^h, 17^d 23^h, 18^d 13^h, 19^d 18^h, 23^d 17^h, 23^d 22^h, 25^d 3^h, 26^d 15^h, 28^d 13^h, 29^d 12^h.

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